February 16 - February 21, 2025 Preliminary Flood Summary

Appomattox	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Farmville, Virginia - (FRMV2)	Flood = 16.0	**19.17**	**7,910**	Flood = 16.0	16.0 (minor)	29.70
Appomattox River - (WFO AKQ)	2/16/2025	**February 16, 2025**		2/17/2025	20.0 (moderate)	33,100
Gage/Cumberland Co - Town/Prince Edward Co	5:55	**23:10 EST**		15:50	25.0 (major)	June 22, 1972
Matoaca, Virginia - (MTCV2)	Flood = 10.0	**10.63**	**11,639**	Flood = 10.0	10.0 (minor)	18.39
Appomattox River - (WFO AKQ)	2/16/2025	**February 18, 2025**		2/20/2025	13.0 (moderate)	40,800
Gage & Town/Chesterfield Co	16:45	**17:00 EST**		8:15	15.0 (major)	October 7, 1972
Mattoax, Virginia - (MTXV2)	Flood = 21.0	**24.57**	**7,159**	Flood = 21.0	21.0 (minor)	35.30
Appomattox River - (WFO AKQ)	2/16/2025	**February 19, 2025**		2/21/2025	25.0 (moderate)	35,000
Gage & Town/Amelia Co	1:30	**17:15 EST**		12:45	28.0 (major)	August 18, 1940
James	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Bent Creek, Virginia - (BECV2)	Flood = 16.0	**17.02**	**78,800**	Flood = 16.0	16.0 (minor)	30.76
James River - (WFO RNK)	2/16/2025	**February 17, 2025**		2/17/2025	22.0 (moderate)	226,000
Gage/Nelson Co - Town/Appomattox Co	20:00	**07:00 EST**		14:30	27.5 (major)	November 5, 1985
Buchanan, Virginia - (BNNV2)	Flood = 17.0	**22.71**	**51,302**	Flood = 17.0	17.0 (minor)	38.84
James River - (WFO RNK)	2/16/2025	**February 16, 2025**		2/17/2025	21.0 (moderate)	179,000
Gage & Town/Botetourt County	4:45	**20:45 EST**		11:30	26.0 (major)	November 5, 1985
Cartersville, Virginia - (CARV2)	Flood = 20.0	**22.69**	**84,718**	Flood = 20.0	20.0 (minor)	37.87
James River - (WFO AKQ)	2/16/2025	**February 17, 2025**		2/18/2025	23.0 (moderate)	362,000
Gage/Goochland Co - Town/Cumberland Co	15:30	**21:30 EST**		16:30	26.4 (major)	June 22, 1972
Holcomb Rock, Virginia - (HRKV2)	Flood = 22.0	**23.63**	**66,936**	Flood = 22.0	22.0 (minor)	42.15
James River - (WFO RNK)	2/16/2025	**February 17, 2025**		2/17/2025	24.0 (moderate)	207,000
Gage & Town/Bedford County	15:15	**00:15 EST**		13:15	28.0 (major)	November 5, 1985
Lick Run, Virginia - (LIRV2)	Flood = 16.0	**18.45**	**31,500**	Flood = 16.0	16.0 (minor)	33.00
James River - (WFO RNK)	2/16	**February 16, 2025**		2/16/2025	22.0 (moderate)	120,000
Gage & Town/Botetourt County	1:15	**8:15:00 EST**		21:00	25.0 (major)	November 24, 1877

Richmond, Virginia - (RMDV2)	Flood = 12.0	**17.23**	**92,800**	Flood = 12.0	12.0 (minor)	28.62
James River - (WFO AKQ)	2/16/2025	**February 18, 2025**		2/19/2025	15.0 (moderate)	313,000
Gage & Town/Independent City/Henrico County	2:30	**14:45 EST**		19:30	22.0 (major)	June 23, 1972
Richmond City Locks, Virginia - (RICV2)	Flood = 8.0	**14.62**	**M**	Flood = 8.0	8.0 (minor)	36.50
James River - (WFO AKQ)	2/16/2025	**February 18, 2025**		2/19/2025	19.0 (moderate)	not available
Gage & Town/Independent City/Henrico County	10:18	**13:42 EST**		16:48	28.0 (major)	June 23, 1972
Scottsville, Virginia - (SVEV2)	Flood = 20.0	**21.83**	**85,520**	Flood = 20.0	20.0 (minor)	34.02
James River - (WFO RNK)	2/16/2025	**February 17, 2025**		2/18/2025	22.0 (moderate)	301,000
Gage & Town/Albemarle County	19:45	**15:45:00 EST**		14:30	24.0 (major)	June 22, 1972

Crest Statistics

Flooding: 2/16/2025 - 2/21/2025

Crests: 2/16/2025 - 2/19/2025

Third flood of February, 2025

Third flood in 2025

Number of MARFC Forecast Points Flooding - **11 + 0 points flooding more than once = 11**

Number of Floods Cresting in **Minor** Range - **9**

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 - 19   (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)

Number of MARFC records - **0**

E = Estimated

Weather Summary

Heavy rain developed over the James and Appomattox basins during the afternoon and evening of February 15th. Waves of dying convection from the Ohio Valley moved east along a slow-moving warm front, bringing multiple rounds of heavy rain to the basins. The rain lifted north during the evening of the 15th as the warm front moved north. Another round of rain moved through during the morning of the 16th as a cold front moved west to east across the area. Overall precipitation amounts ranged from 1-2" over much of the James and Appomattox with localized amounts up to 3". This rainfall combined with wet antecedent conditions and snowmelt resulted in widespread minor flooding at several MARFC forecast locations and moderate flooding at Buchanan and Richmond.

TOP 72-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

2/15/2025 (12 Z) - 2/18/2025 (12 Z)

Amount Location State County

Amount	Location	State	County
3.28	Roanoke, VA 8N	VA	Roanoke
3.15	Roanoke, VA (Airport)	VA	Roanoke
3.05	Lynchburg, VA	VA	Campbell
2.18	Lewisburg, WV	WV	Greenbrier
2.05	Jetersville, VA	VA	Amelia
1.99	Bernards Township, NJ	NJ	Somerset
1.92	Lexington, VA	VA	Rockbridge
1.71	Westmoreland, NY	NY	Oneida
1.71	Cold Brook, NY	NY	Herkimer
1.69	Buena Vista, VA	VA	Rockbridge
1.67	Gathright Dam, VA	VA	Alleghany
1.64	Hanover County Airport, VA	VA	Hanover
1.60	Urbanna, VA	VA	Lancaster
1.59	Richmond, VA (Airport)	VA	Henrico
1.53	Cape Charles, VA	VA	Northampton

72 hr Estimated Precipitation
Middle Atlantic River Forecast Center
Ending on Tue Feb 18, 2025 at 07 AM EST

Inches
Zero
0.01 to 0.10
0.10 to 0.25
0.25 to 0.50
0.50 to 0.75
0.75 to 1.00
1.00 to 1.25
1.25 to 1.50
1.50 to 1.75
1.75 to 2.00
2.00 to 2.50
2.50 to 3.00
3.00 to 4.00
4.00 to 5.00
5.00 to 7.00
7.00 to 10.00
Above 10

☐ MARFC Forecast Area ☐ County Boundaries

Floods by MARFC Basins

MARFC Basins	Fcst Points	Minor	Moderate	Major	Unknown	Mod & Major
Appomattox	3	3	0	0	0	0
Chemung	0	0	0	0	0	0
Delaware	0	0	0	0	0	0
James	8	6	2	0	0	2
Juniata	0	0	0	0	0	0
Lehigh	0	0	0	0	0	0
Lower Main Stem Susquehanna	0	0	0	0	0	0
North Branch Susquehanna	0	0	0	0	0	0
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)	5	4	1	0	0	1
Binghamton, NY (BGM)	0	0	0	0	0	0
Brookhaven, NY (OKX)	0	0	0	0	0	0
Philadelphia, PA (PHI)	0	0	0	0	0	0
State College, PA (CTP)	0	0	0	0	0	0
Sterling, VA (LWX)	0	0	0	0	0	0
Wakefield, VA (AKQ)	6	5	1	0	0	1