

Flood Event of 2/14/1984 - 2/16/1984

Appomattox

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Matoaca	10.00	2/16/1984	12.63	16,200	Minor	Appomattox	Appomattox River	Chesterfield	Chesterfield
Mattoax	21.00	2/15/1984	22.10	6,230	Minor	Appomattox	Appomattox River	Amelia	Amelia

Chemung

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chemung	16.00	2/15/1984	18.20	61,200	Minor	Chemung	Chemung River	Chemung	Chemung
Mansfield	12.00	2/14/1984	14.68	9,490	Major	Chemung	Tioga River	Tioga	Tioga

Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cooks Falls	10.00	2/15/1984	10.25	10,400	Minor	Delaware	Beaver Kill	Delaware	Delaware

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bent Creek	16.00	2/15/1984	16.11	64,400	Minor	James	James River	Nelson	Appomattox
Buchanan	17.00	2/14/1984	19.10	46,700	Minor	James	James River	Botetourt	Botetourt
Cartersville	20.00	2/16/1984	22.42	86,800	Minor	James	James River	Goochland	Cumberland
Holcomb Rock	22.00	2/15/1984	22.63	61,800	Minor	James	James River	Bedford	Bedford

Lick Run	16.00	2/14/1984	17.30	27,800	Minor	James	James River	Botetourt	Botetourt
Palmyra	17.00	2/15/1984	24.42	22,800	Minor	James	Rivanna River	Fluvanna	Fluvanna
Richmond	12.00	2/16/1984	17.27	91,700	Moderate	James	James River	Henrico	Independent City

Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Huntingdon	12.00	2/15/1984	13.51	26,400	Moderate	Juniata	Juniata River	Huntingdon	Huntingdon
Lewistown	23.00	2/15/1984	27.40	-9,999	Moderate	Juniata	Juniata River	Mifflin	Mifflin
Newport	22.00	2/15/1984	23.21	90,500	Minor	Juniata	Juniata River	Perry	Perry
Spruce Creek	8.00	2/14/1984	10.17	9,770	Moderate	Juniata	Little Juniata River	Huntingdon	Huntingdon
Williamsburg	12.00	2/15/1984	15.38	11,300	Major	Juniata	Frankstown Branch Juniata River	Blair	Blair

Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	2/15/1984	10.78	5,590	Moderate	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Conowingo	23.50	2/16/1984	28.08	501,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Harford	Cecil
Harper Tavern	9.00	2/15/1984	9.20	7,160	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Harrisburg	17.00	2/16/1984	20.74	426,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Dauphin	Dauphin
Hogestown	8.00	2/15/1984	12.50	16,800	Major	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Marietta	49.00	2/16/1984	53.49	458,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Lancaster	Lancaster

Meshoppen	27.00	2/16/1984	32.91	179,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Wyoming	Wyoming
Monroeton	14.00	2/14/1984	15.22	22,100	Minor	Upper Main Stem Susquehanna	Towanda Creek	Bradford	Bradford
Penns Creek	8.00	2/15/1984	11.73	13,300	Moderate	Penns Creek	Penns Creek	Snyder	Snyder
Shermans Dale	9.00	2/14/1984	16.10	20,300	Major	Lower Main Stem Susquehanna	Sherman Creek	Perry	Perry
Sunbury	24.00	2/16/1984	26.96	332,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Snyder	Northumberland
Towanda	16.00	2/15/1984	21.69	146,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Bradford	Bradford
Wilkes-Barre	22.00	2/16/1984	29.01	186,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Luzerne	Luzerne

North Branch Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cumberland	10.00	2/14/1984	10.80	13,100	Minor	North Branch Potomac	Wills Creek	Allegany	Allegany

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chenango Forks	10.00	2/15/1984	11.80	29,300	Minor	North Branch Susquehanna	Chenango River	Broome	Broome
Conklin	11.00	2/15/1984	15.48	36,700	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	2/15/1984	11.05	8,530	Moderate	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Rockdale	11.00	2/16/1984	11.48	13,000	Minor	North Branch Susquehanna	Unadilla River	Chenango	Chenango
Sherburne	8.00	2/15/1984	9.59	6,640	Moderate	North Branch Susquehanna	Chenango River	Chenango	Chenango
Waverly	11.00	2/16/1984	18.03	93,100	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Bradford	Tioga

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Fairview	10.00	2/15/1984	17.97	21,500	Major	Potomac	Conococheague Creek	Washington	Washington
Frederick	15.00	2/15/1984	20.01	28,300	Major	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Great Cacapon	9.00	2/15/1984	15.01	20,100	Minor	Potomac	Cacapon River	Morgan	Morgan
Leesburg	12.00	2/15/1984	16.36	14,000	Moderate	Potomac	Goose Creek	Loudoun	Loudoun
Little Falls (Washington DC)	10.00	2/16/1984	13.73	222,000	Moderate	Potomac	Potomac River	Montgomery	Montgomery
Martinsburg	10.00	2/15/1984	14.99	11,600	Moderate	Potomac	Opequon Creek	Berkeley	Berkeley
Paw Paw	25.00	2/15/1984	27.54	59,000	Minor	Potomac	Potomac River	Allegany	Morgan
Point of Rocks	16.00	2/16/1984	28.14	199,000	Major	Potomac	Potomac River	Frederick	Frederick
Sharpsburg	8.00	2/15/1984	10.31	5,400	Moderate	Potomac	Antietam Creek	Washington	Washington
Shepherdstown	15.00	2/15/1984	26.07	131,000	Major	Potomac	Potomac River	Jefferson	Jefferson

Rappahannock

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Culpeper	14.00	2/15/1984	18.24	16,400	Moderate	Rappahannock	Rapidan River	Culpeper	Culpeper
Remington	15.00	2/15/1984	21.21	33,000	Moderate	Rappahannock	Rappahannock River	Fauquier	Fauquier

Shenandoah

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Front Royal	12.00	2/15/1984	15.85	38,500	Moderate	Shenandoah	Shenandoah River	Warren	Warren
Luray	14.00	2/14/1984	15.62	32,300	Minor	Shenandoah	South Fork Shenandoah River	Page	Page
Millville	13.50	2/15/1984	16.66	58,600	Moderate	Shenandoah	Shenandoah River	Jefferson	Jefferson

South Branch Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Petersburg	10.00	2/14/1984	13.10	20,700	Moderate	South Branch Potomac	South Branch Potomac River	Grant	Grant
Springfield	15.00	2/15/1984	18.63	32,800	Minor	South Branch Potomac	South Branch Potomac River	Hampshire	Hampshire

West Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Jersey Shore	26.00	2/15/1984	27.00	-9,999	Minor	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming
Lewisburg	18.00	2/15/1984	24.26	192,000	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Northumberland	Union
Lock Haven	21.00	2/15/1984	22.38	79,000	Minor	West Branch Susquehanna	West Branch Susquehanna River	Clinton	Clinton
Milton	19.00	2/15/1984	25.80	-9,999	Major	West Branch Susquehanna	West Branch Susquehanna River	Union	Northumberland
Montgomery	20.00	2/15/1984	27.10	-9,999	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming
Muncy	20.00	2/15/1984	27.10	-9,999	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming
Williamsport	20.00	2/15/1984	25.59	178,000	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming

Weather Summary

A strong closed low moved into the Great Lakes region on the 13th of February. The eastward moving fronts associated with the low, which stretched southward into the Gulf of Mexico, began affecting the Mid-Atlantic states by the 14th. As the low weakened while moving northeastward into Canada, a secondary low formed over the Carolinas along a cold front on the 14th. This low deepened as it slowly moved up the coast, before it finally moved past Cape Cod on the 17th. Temperatures remained above freezing for the majority of the region, which allowed for all of the precipitation to fall in the form of liquid rain. Much of region saw total rainfall accumulations of between 2.00 and 4.00 inches from these two lows, although there were locally higher amounts. This persistent heavy rain caused widespread flooding across five different states in the Mid-Atlantic region.

Crest Statistics and Flood Information

First flood of 2 that occurred in Feb, 1984

First flood of 11 that occurred in 1984

Number of Floods at MARFC Forecast Points - 61

Number of Floods Cresting in Minor Range - 22

Number of Floods Cresting in Moderate Range - 30

Number of Floods Cresting in Major Range - 9

Number of Floods Cresting in Missing Range - 0