

Mid-Atlantic Flood Potential

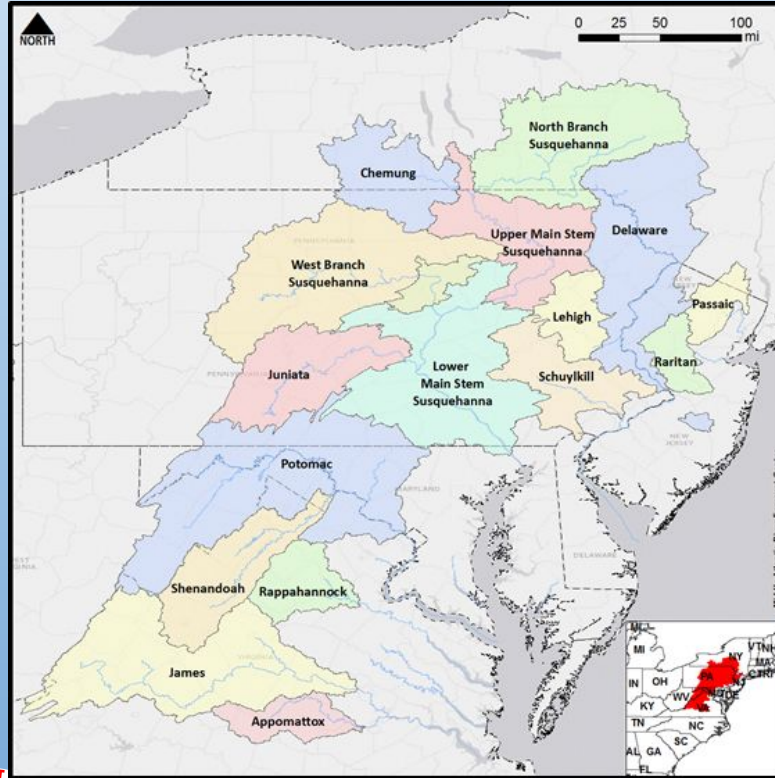
Robert Shedd

Service Coordination Hydrologist

NWS - Middle Atlantic River Forecast Center

State College, Pennsylvania

Middle Atlantic River Forecast Center



Approximately 175 forecast locations

87,000 square miles

River Systems include

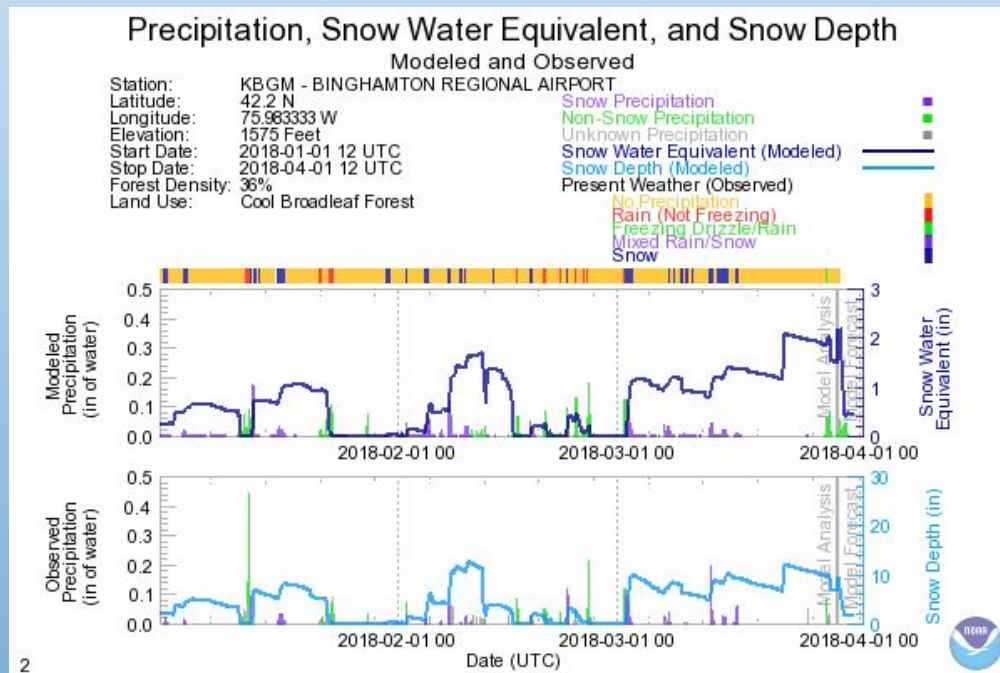
- Susquehanna
- Delaware
- Potomac
- James

Season - to - Date

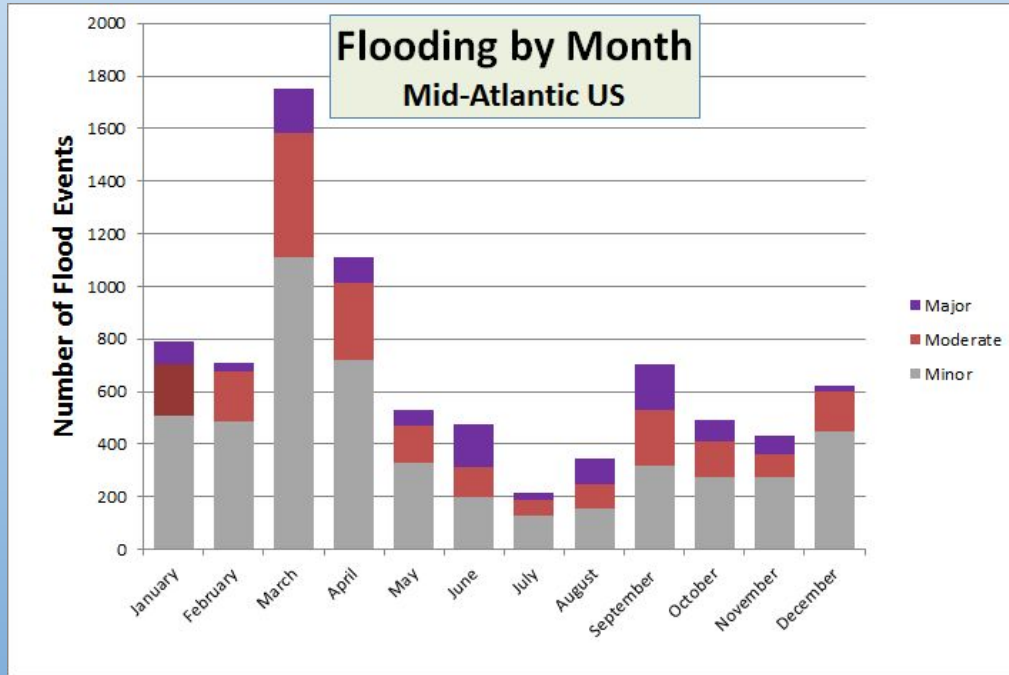
Several melt and accumulation periods

Significant ice jam flooding in January

Minor flooding in February primarily in New York and Virginia



Flood Climatology

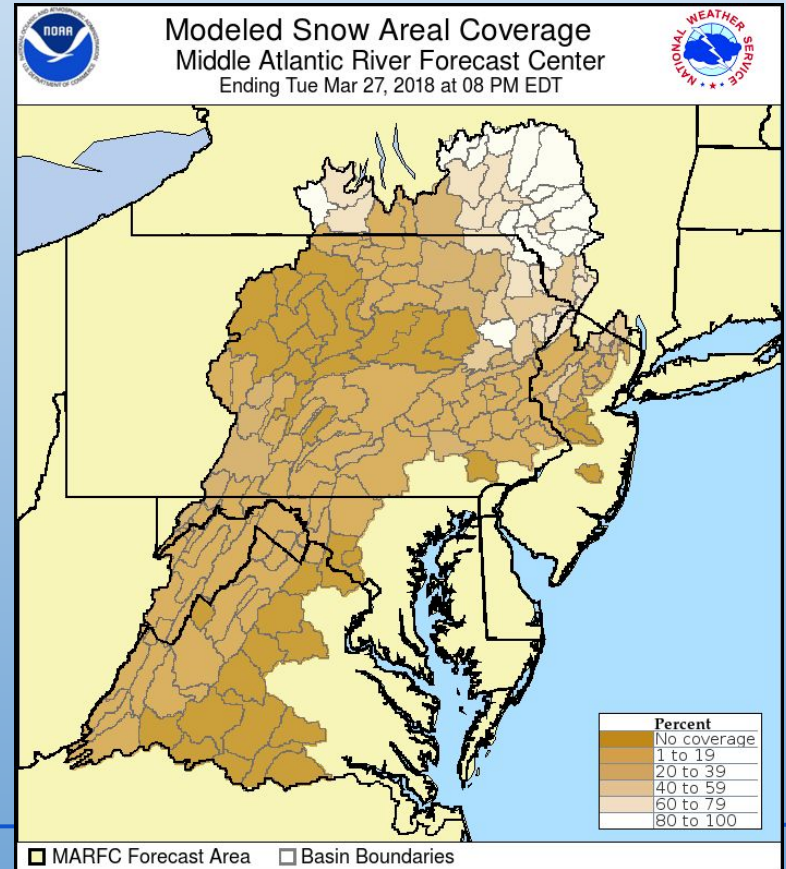
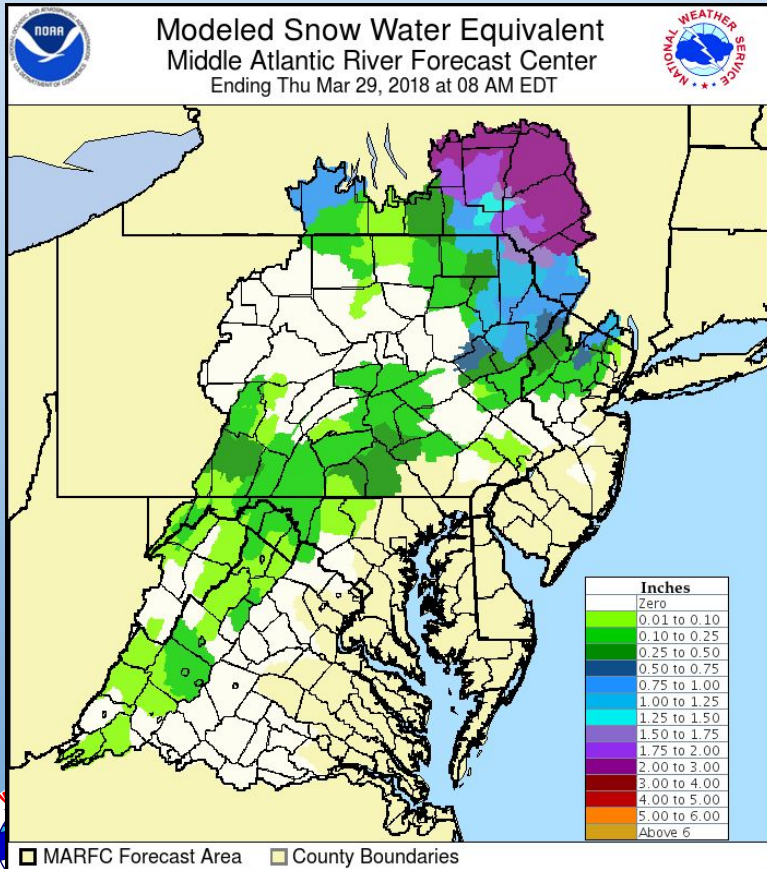


Flooding is possible any time of year

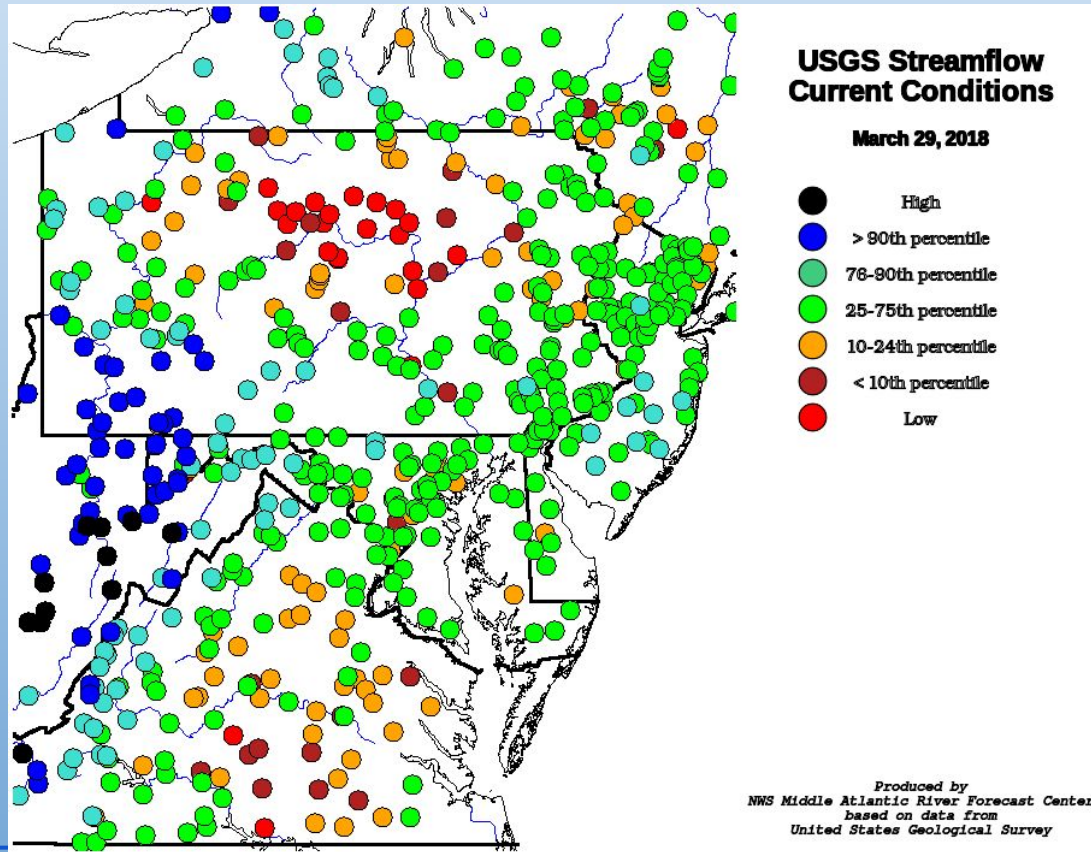
Most likely time is March/April spring runoff

General scenario is 1-2 inches of rain on top of snow pack.
Back-to-back rains result in more significant flooding

Current Snowpack Conditions



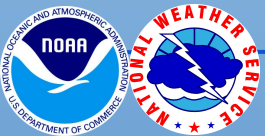
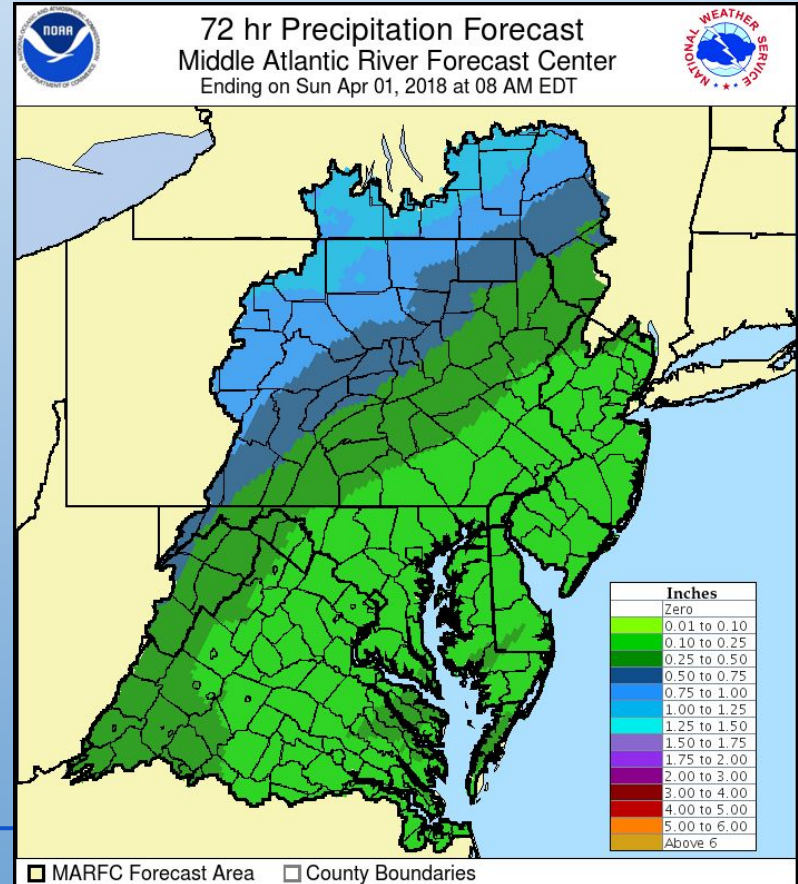
Current Streamflow Conditions



Shorter Term Rainfall

Up to about an inch of rain expected in the Susquehanna headwaters

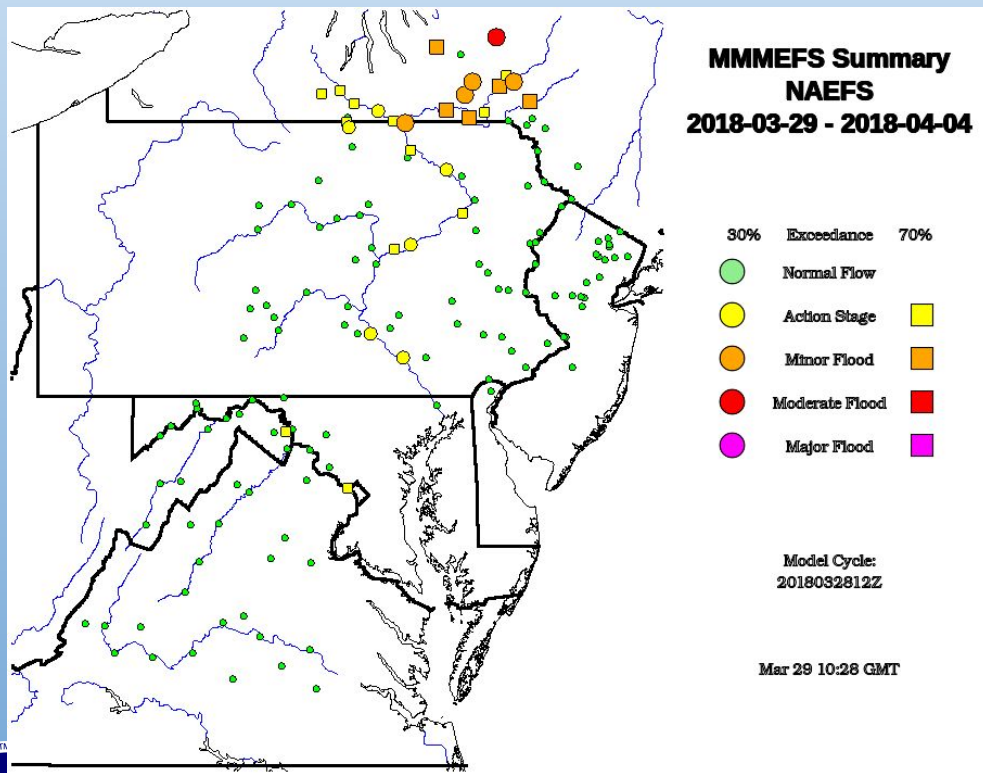
Most of the rain will be between now and Friday morning



Middle Atlantic River Forecast Center

MMEFS Outlook

<http://www.weather.gov/erh/mmeefs>



Chance of minor flooding in
Susquehanna and Delaware
headwaters into this weekend

High water continuing down the
mainstem Susquehanna into early
next week



Middle Atlantic River Forecast Center

10 to 30+ day outlooks

Data found on AHPS forecast pages at $\frac{2}{3}$ of our forecast points



30 Day River Level Probabilities
Used to Estimate the Range of Possible River Levels
[without ENSPOST (Experimental)]

Caution: Official forecast may be updated after this graph is generated.
For the latest official forecast, go to <http://water.weather.gov/ahps>

Susquehanna River at Vestal, NY (VSTN6)

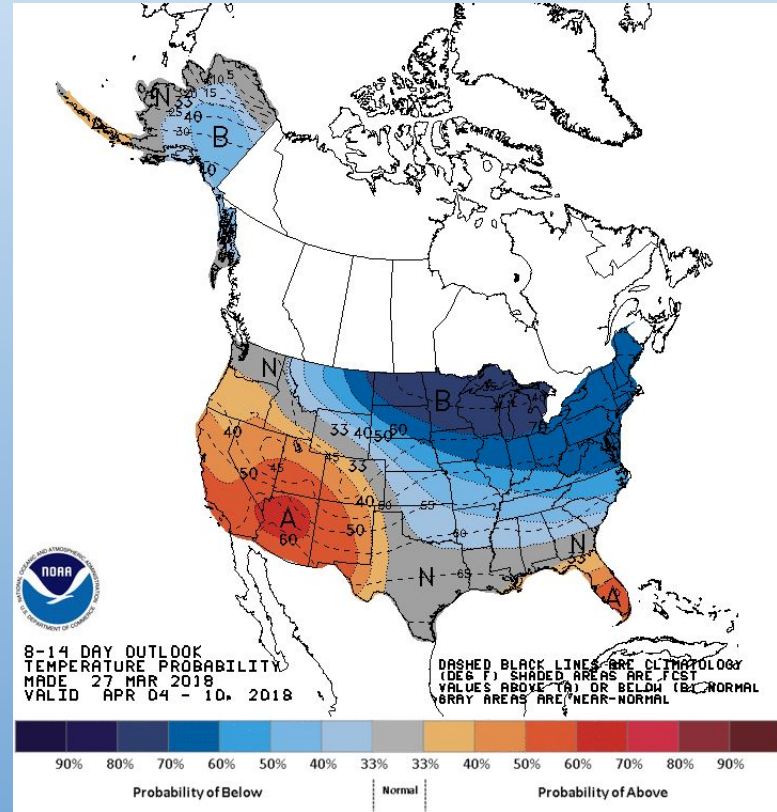
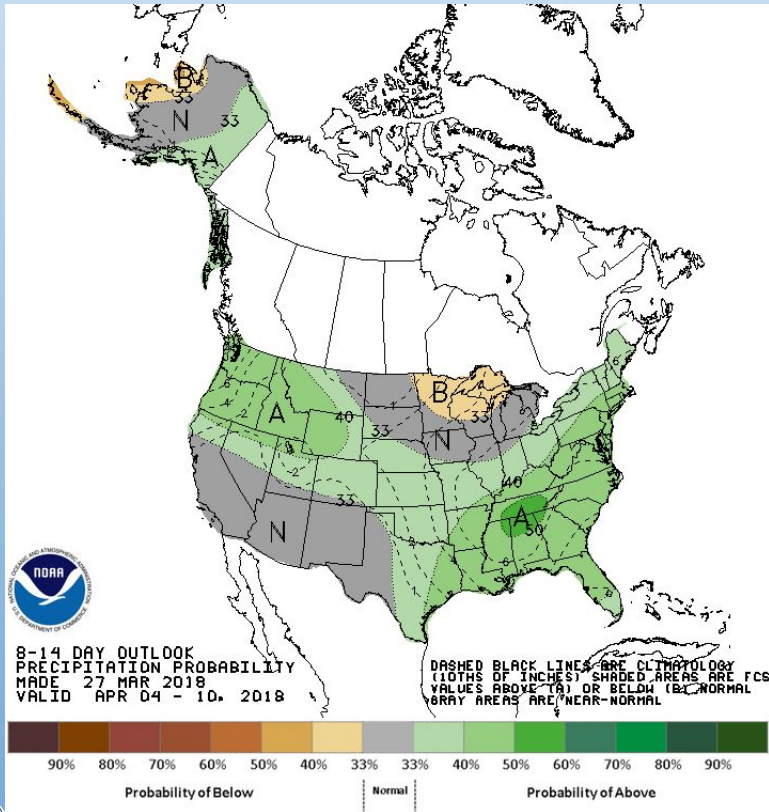
River Level (feet)

River Flow (cubic feet per second)

Time and Day (EDT)

Model runtime: 08:00 AM EDT Mar 27 2011
Middle Atlantic River Forecast Center

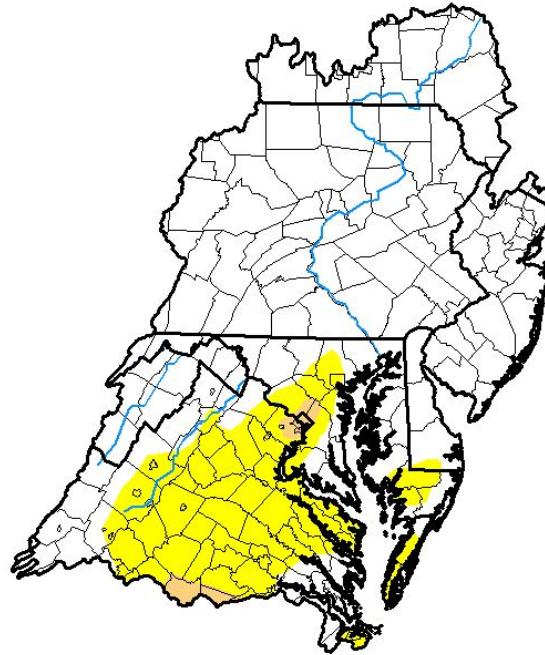
Two Week Precipitation & Temperature



Drought Monitor

U.S. Drought Monitor Middle Atlantic RFC

March 27, 2018
(Released Thursday, Mar. 29, 2018)
Valid 8 a.m. EDT



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

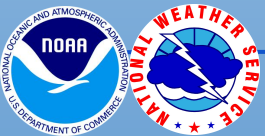
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Chris Fenimore
NCEI/NESDIS/NOAA



<http://droughtmonitor.unl.edu/>

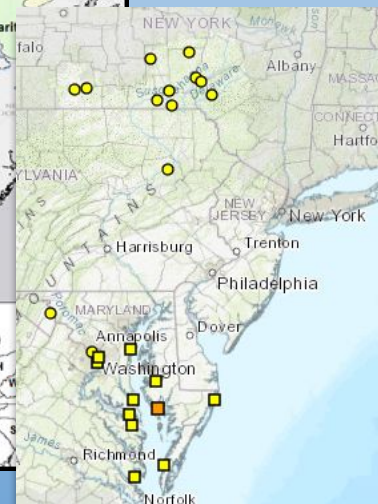
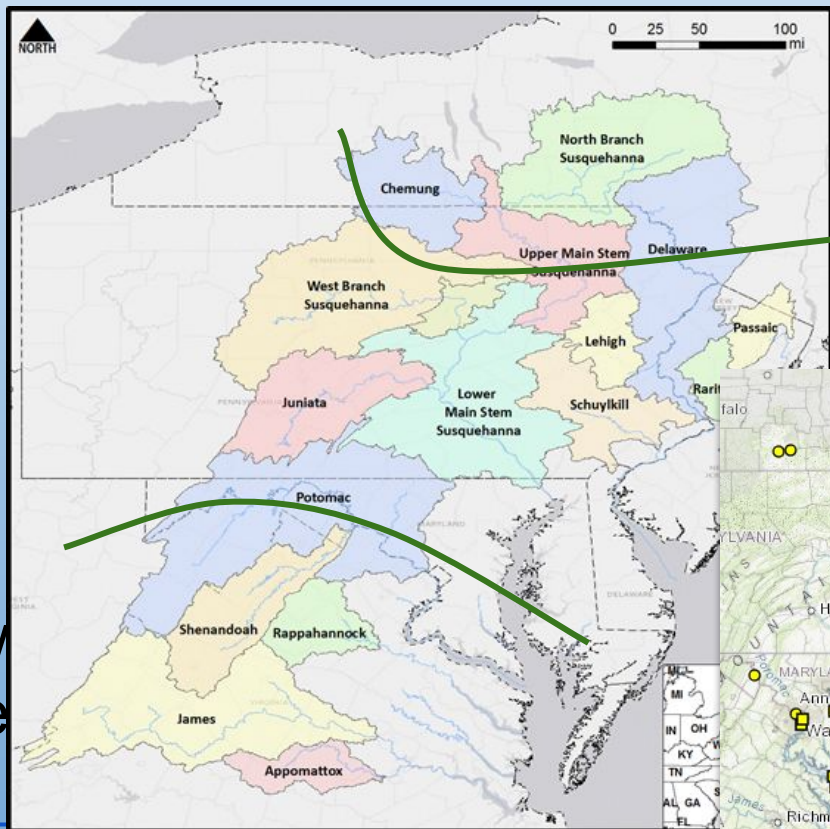


Mic

Overall Outlook

Above Average

Below Average



Middle Atlantic River Forecast Center

Water Resources Regions

- Probability and forecasts available
- Forecasts available

24 total gauges

[Show all locations in flood \(1\)](#)

- 0 Gauges: Major Flooding
- 0 Gauges: Moderate Flooding
- 1 Gauge: Minor Flooding
- 23 Gauges: Near Flood Stage
- 0 Gauges: No Flooding
- 0 Flood Category Not Defined
- 0 At or Below Low Water Threshold
- 0 Gauges: Forecasts Are Not Current
- 0 Gauges: No forecast within selected timeframe
- 0 Gauges: Out of Service

[Show all locations](#)

Last map update:
03/29/2018 at 09:06:45 am EDT
03/29/2018 at 13:06:45 UTC

[What is UTC time?](#)



Middle Atlantic River Forecast Center

Questions / Contact

Robert Shedd

Middle Atlantic River Forecast Center

(814) 231-2438

Robert.Shedd@noaa.gov

Facebook/Twitter: @NWSMARFC

<http://www.weather.gov/marfc>

