





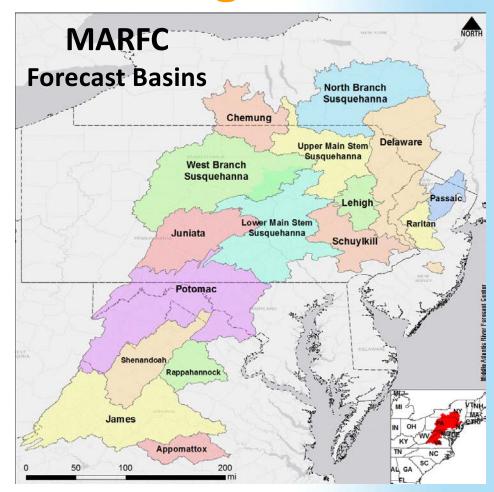
# 2019 Spring Flood Outlook for the Mid-Atlantic Region

March 28, 2019

NOAA Eastern Region
Climate Services Monthly
Webinar Series

NWS Middle Atlantic River Forecast Center (MARFC)

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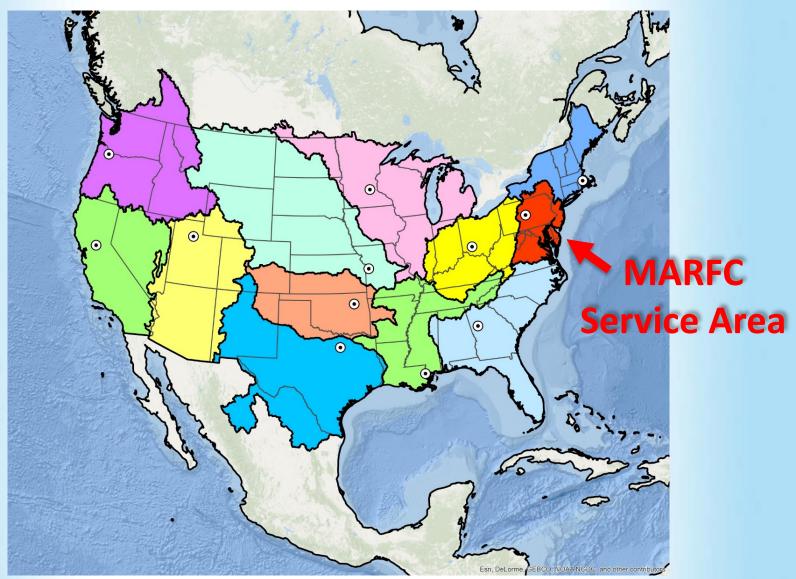








#### **Service Areas of the 13 NWS River Forecast Centers**







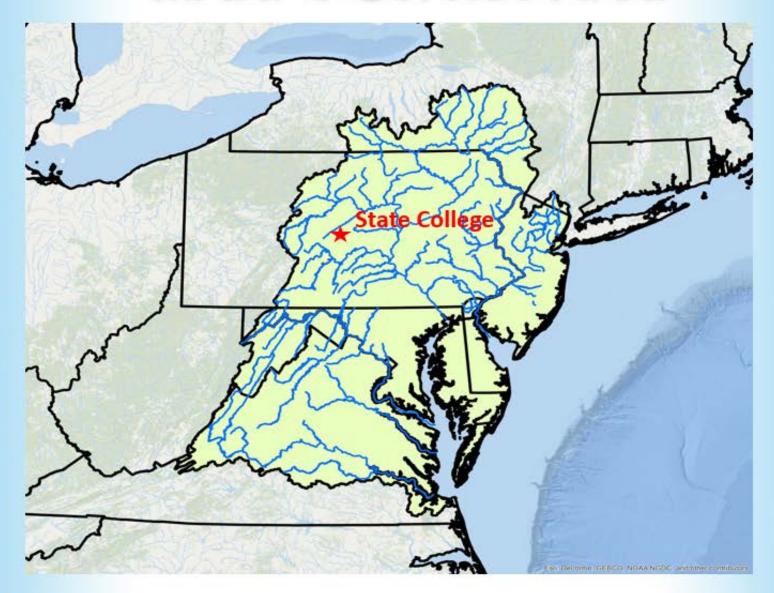








# **MARFC Service Area**















# **Spring River Flood Potential Factors**

- Existing River Flooding
  - Recent Precipitation
    - Snow Conditions
      - River Ice
- Streamflow Conditions
- Soil Moisture Conditions
- Groundwater Conditions
  - Reservoir Conditions
- Future Weather Conditions





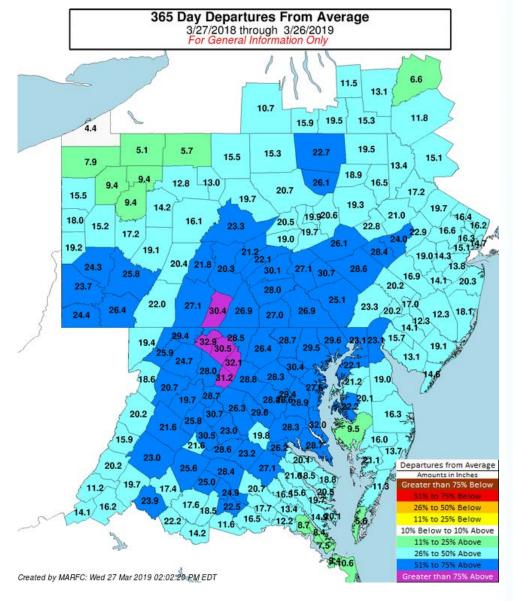








# **One-Year Precipitation Departures**







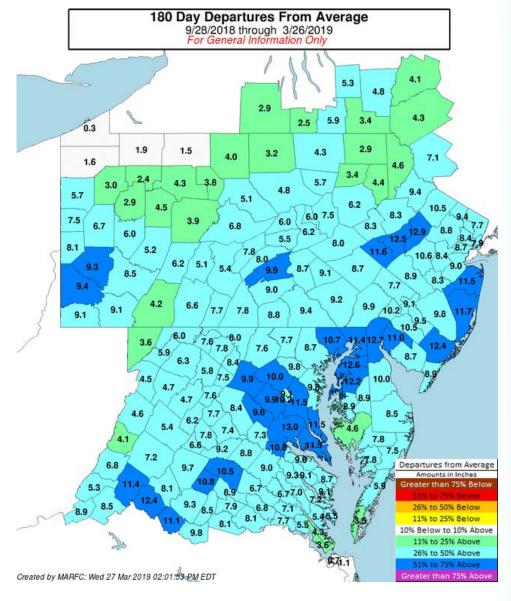








# **180-Day Precipitation Departures**







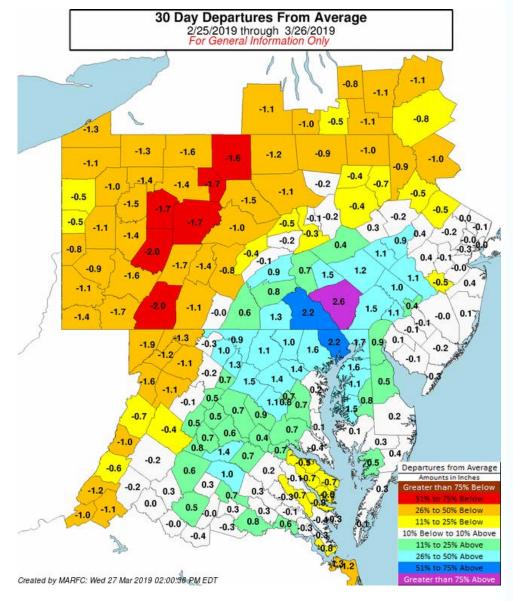








# **30-Day Precipitation Departures**





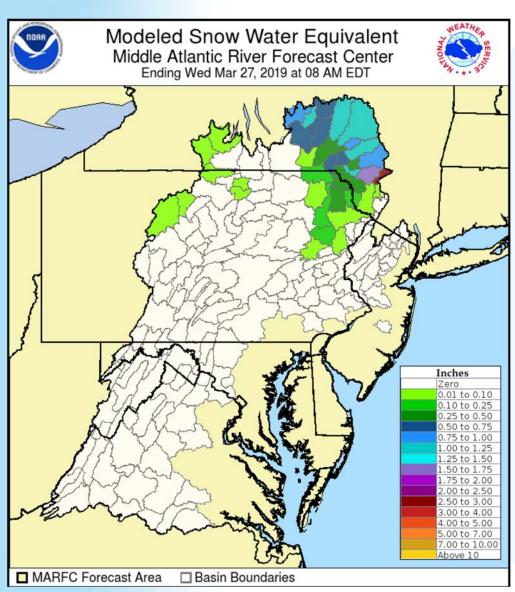








#### **Current Snow Conditions**



- ✓ Much of the remaining snow on the ground within the MARFC Service Area is hydrologically insignificant
- ✓ 1-2 inches (locally higher) of Snow Water Equivalent (SWE) remains in upper portions of the Delaware and Susquehanna River Basins in NY
- ✓ Higher elevations and forested areas are holding snow better than river valleys and open areas













# **Current River Ice Conditions**

**Current River Ice Conditions** 

- Zero
- Zilch
- Nada
- Nothing
- You get the idea...it's all gone





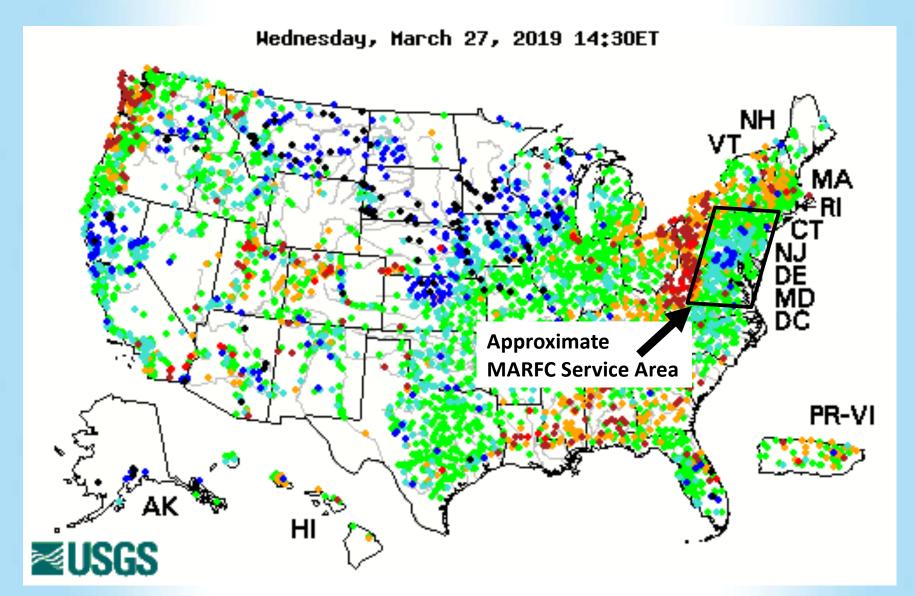








#### **Current USGS Streamflow Conditions**







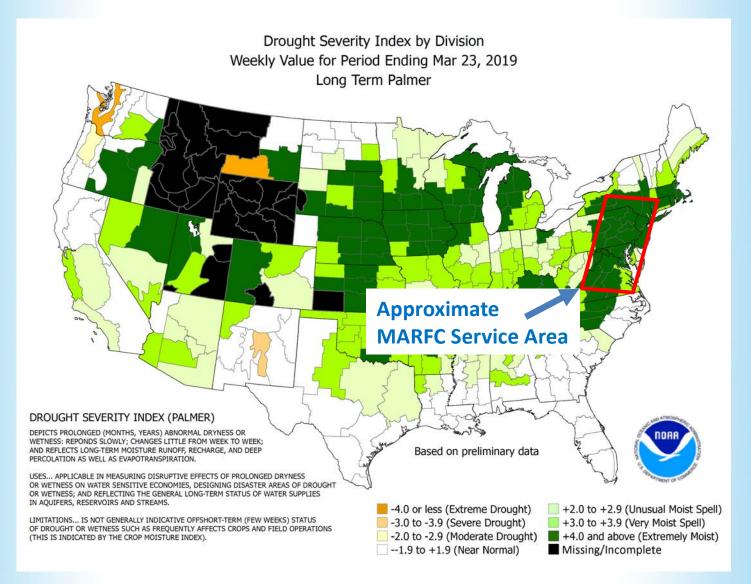








#### **Current Drought Conditions**





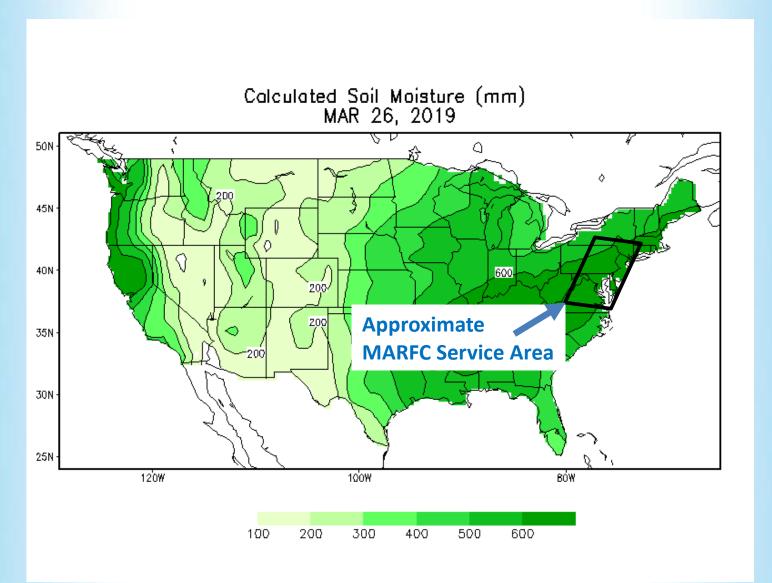








#### **Current Soil Moisture Conditions**





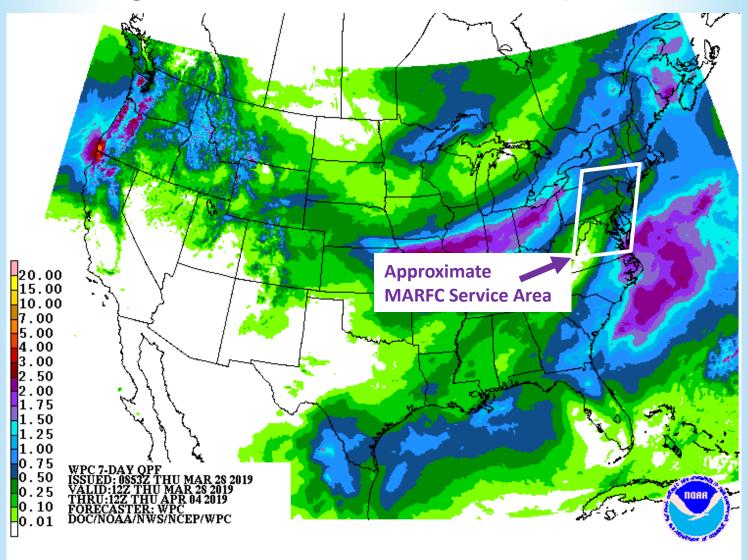








#### 7-Day WPC Predicted Precipitation





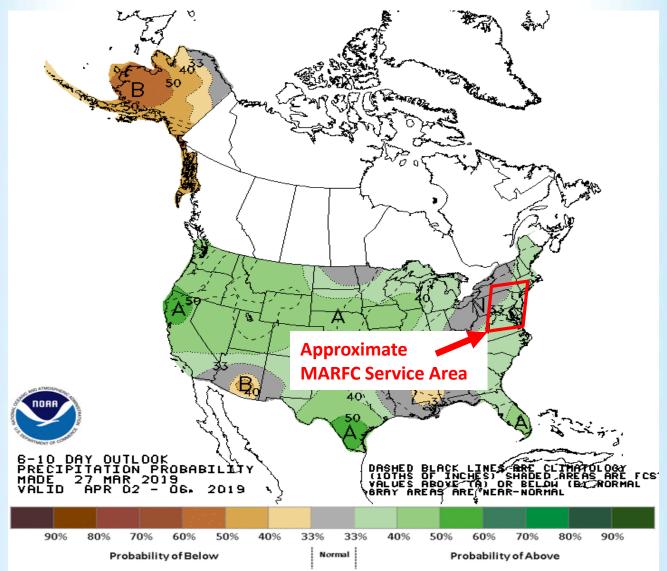








# 6-10 Day CPC Precipitation Outlook





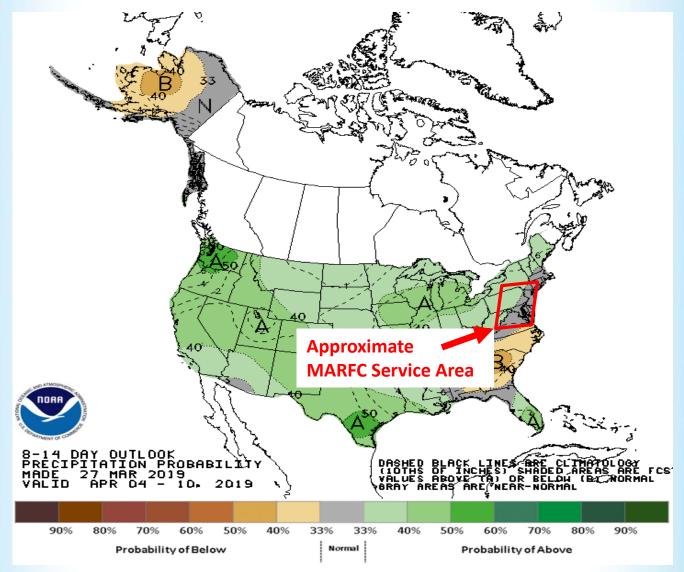








# 10-14 Day CPC Precipitation Outlook







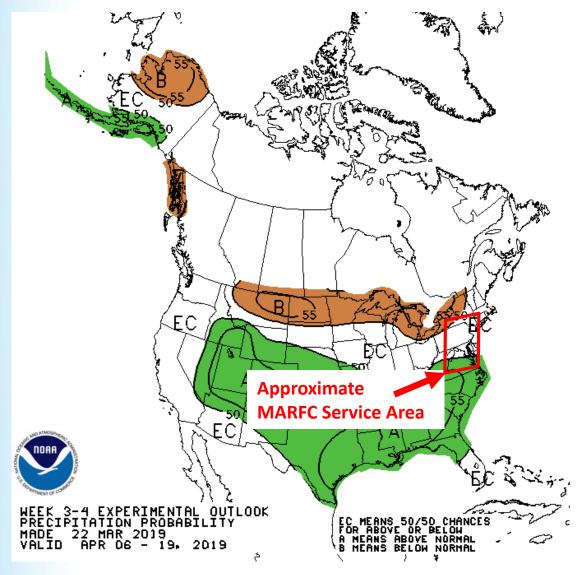








#### 3-4 Week (Experimental) CPC Precipitation Outlook





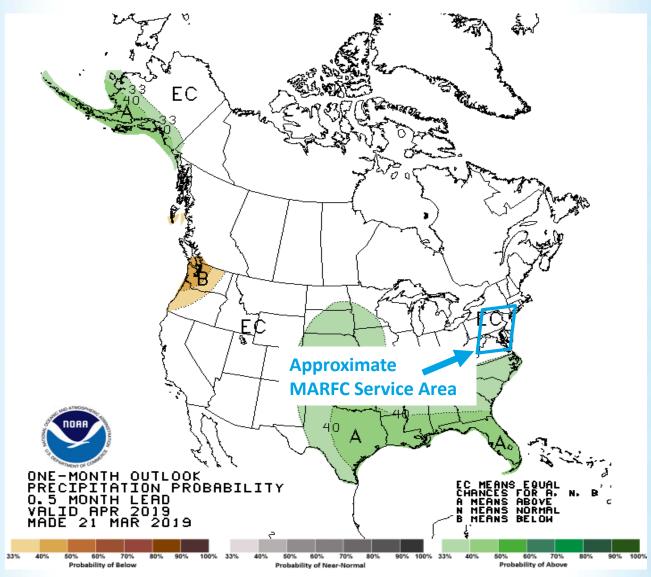








# **April CPC Precipitation Outlook**







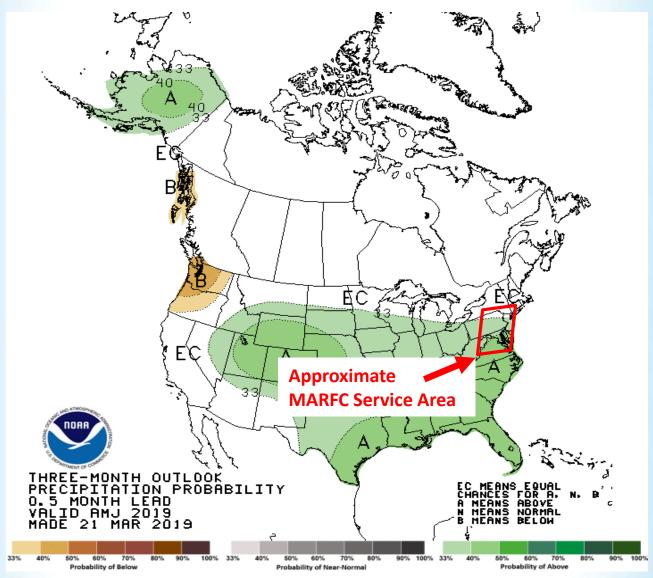








# **April-June CPC Precipitation Outlook**







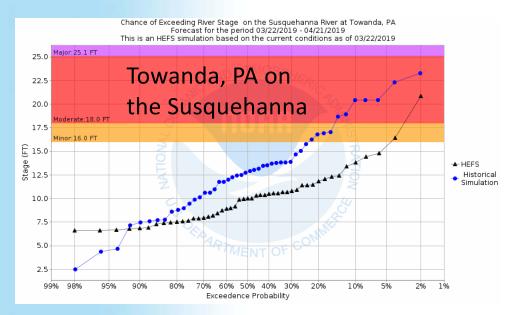


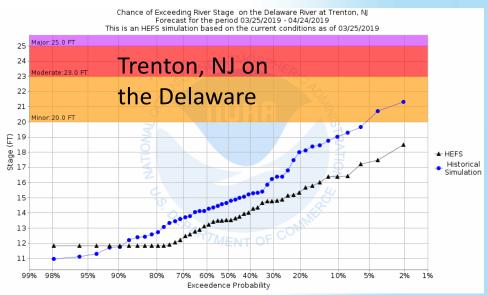


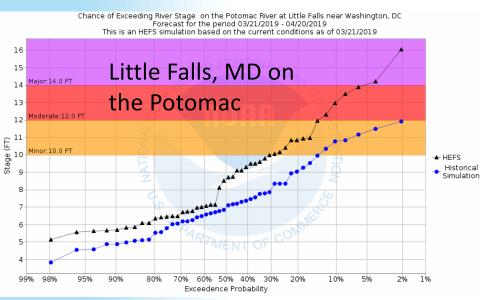


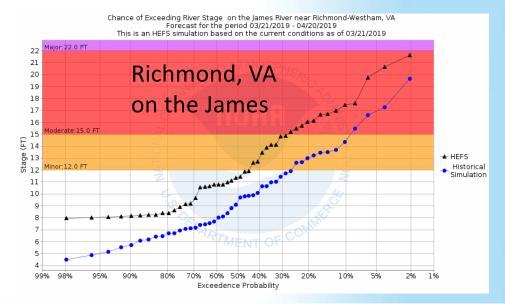


#### **30-Day HEFS Simulations**















Presentation Created 3/28/19 10:26 AM







#### **MARFC Contact Information**

#### **Briefing Webpage:**

https://www.weather.gov/marfc/self\_briefing













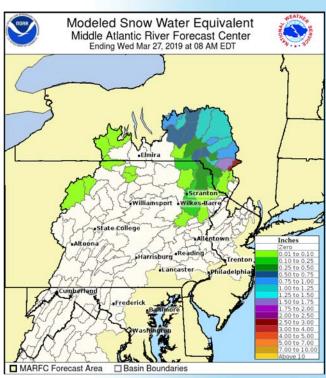






# March 26, 2019 MODIS Satellite Photo





Thank you, and have a wonderful, <u>hopefully</u> flood-free



