

An Overview of the Maryland Flood Tabletop Workshop – April 11, 2018

Kevin G. Wagner Coast Smart Council Meeting February 25, 2019

Purpose of Tabletop

 To see how state partners can work together before, during and after a significant flood event.



Target Audience

 Floodplain administrators, emergency management professionals, planners, engineers, public works officials, code enforcement officers, GIS staff and anyone else who may be involved in responding to or providing support for a flood disaster.



Key Partners

- FEMA Region III
- NOAA, National Weather Service
- Maryland Emergency Management Agency
- Maryland Resiliency Partnership
- Maryland Silver Jackets Team













Participants

Federal

- USACE, FEMA, USGS, NOAA

68 People Participated!

State

- MEMA, DNR, MDOT, SHA, MHT, DHCD, DoIT, MIA

Local

About 30 county/municipal officials

Nonprofit/Private

ESLC, NAPSG Foundation, Michael Baker Intl,
 Sharp Energy, The Craig Group



Agenda

8:30 AM Registration and Refreshments

9:00 Welcome and Introductions

9:15 Flood Module 1 – Tidal

10:45 Break

11:00 Flood Module 2 – Riverine

12:00 PM Lunch (provided)

1:00 Flood Module 2 – Riverine (continued)

1:30 Flood Module 3 – Coastal

2:30 Break

2:45 Flood Module 3 – Coastal (continued)

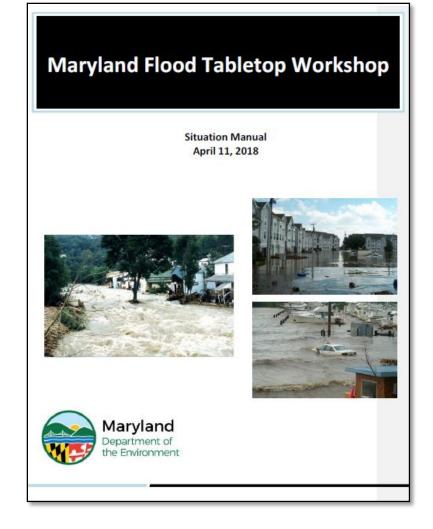
3:15 Lessons Learned

3:30 Adjourn



Situation Manual

 Gives officials, observers, and players from participating organizations the information necessary to observe or participate in the workshop.



Weather Scenario

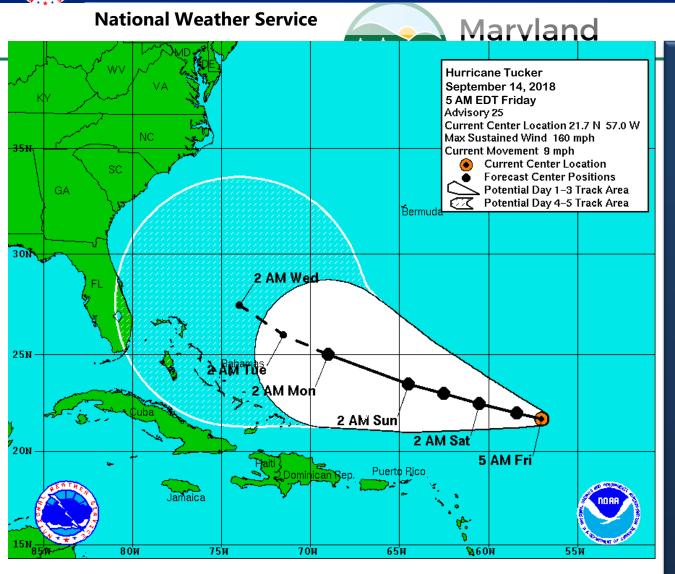
- Tropical Depression #20 developed in the Central Atlantic Ocean on September 8, 2018.
- The storm steadily intensified, becoming Tropical Storm Tucker the next day, September 9th.
- As the storm continued to move west-northwestward through a very warm Atlantic Ocean, it continued to steadily intensify, becoming a powerful Category 5 Hurricane by September 14th.

Marvland

Affects Maryland September 20th – 22nd

Latest on Hurricane Tucker





SCENARIO

Key Messages

Current Location:
About 1600 miles SE of
Ocean City, MD

Current Strength: 160 mph (Category 5)

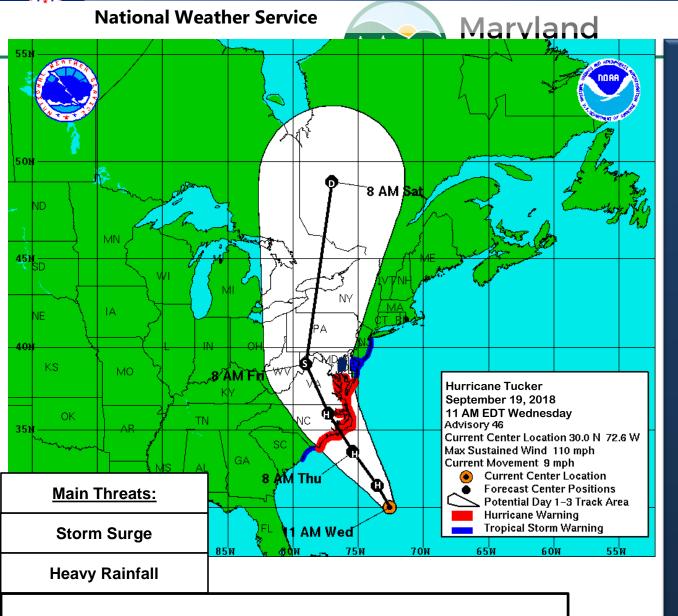
Expected to remain a major hurricane through the middle of next week.

Too soon to speculate on threats to the mainland United States.

Latest on Hurricane Tucker



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Thursday night & Friday

Greatest Risk Timing:

Impacts to Maryland looking very certain.

Key Messages

Current Location: About 600 miles S of Ocean City, MD

Current Strength: 110 mph (Category 2)

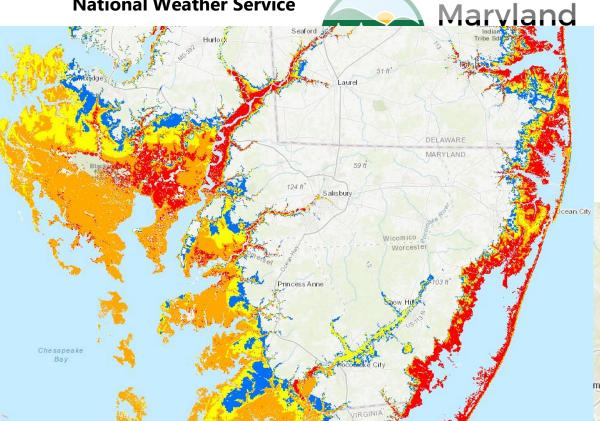
Landfall along the North Carolina coast looks likely on Thursday.

Storm Surge Potential



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Less than 3 feet above ground Greater than 3 feet above ground

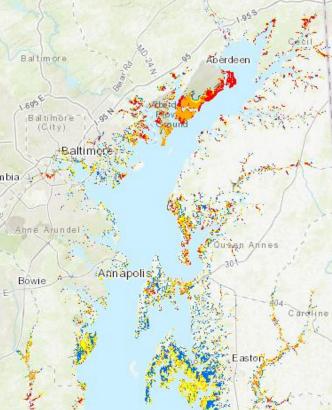
Greater than 6 feet above ground

Greater than 9 feet above ground

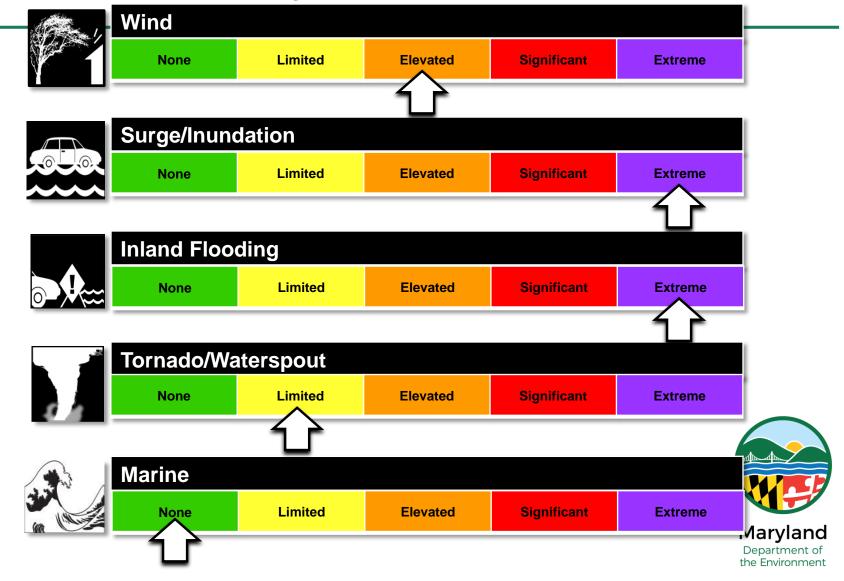
Key Point

This is the maximum possible storm surge for ANY Category 3 hurricane.

This does not factor in the current forecast path.



Summary of Greatest Impacts



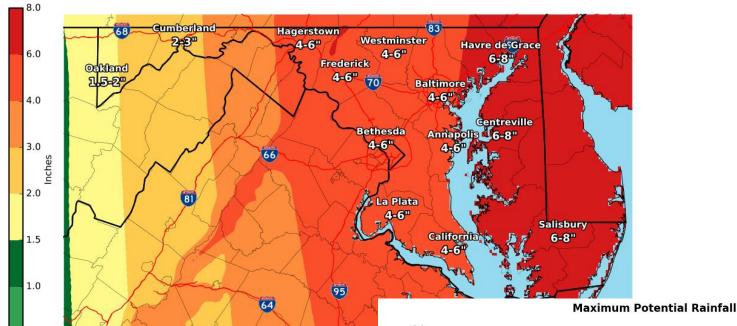
Rainfall Forecast

National Weather Service





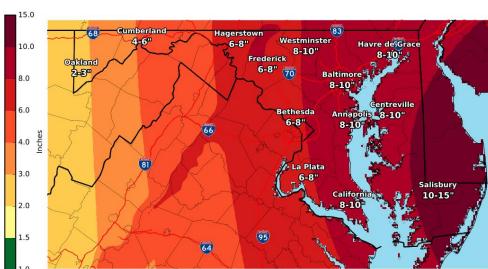




Key Messages

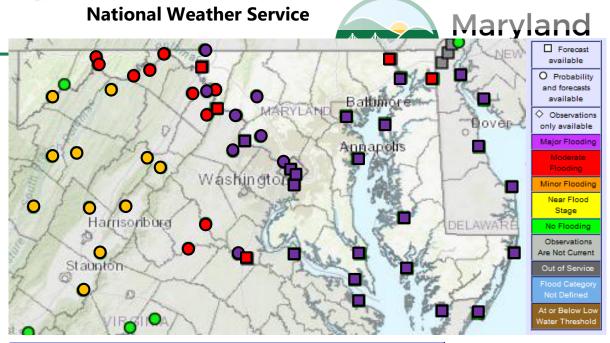
Heavy rain likely Thursday through Friday. Most of the state is likely to receive 3 inches or more of rain.

Worst case rainfall could exceed 10 inches on the Atlantic Coast.









POTOMAC RIVER AT POINT OF ROCKS										
Universal Time (UTC)										
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Location	Flood Stage	Max Forecast	When?
Cumberland	17 feet	22.5 feet	Friday
Paw Paw	25 feet	31.5 feet	Friday
Hancock	30 feet	34.5 feet	Friday
Shepherdstown	15 feet	32.5 feet	Saturday
Point of Rocks	16 feet	36.0 feet	Saturday
Little Falls	10 feet	19.0 feet	Sunday

Photos





Takeaways

Substantial Damage

 Information collected during response and recovery can help with determinations (ex. Damage assessments)

Permits

Still required, but process can be expedited and fees waived

Training

Indentify gaps, fill the need

Communication

Different tools, giving information at the right time



Questions?

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