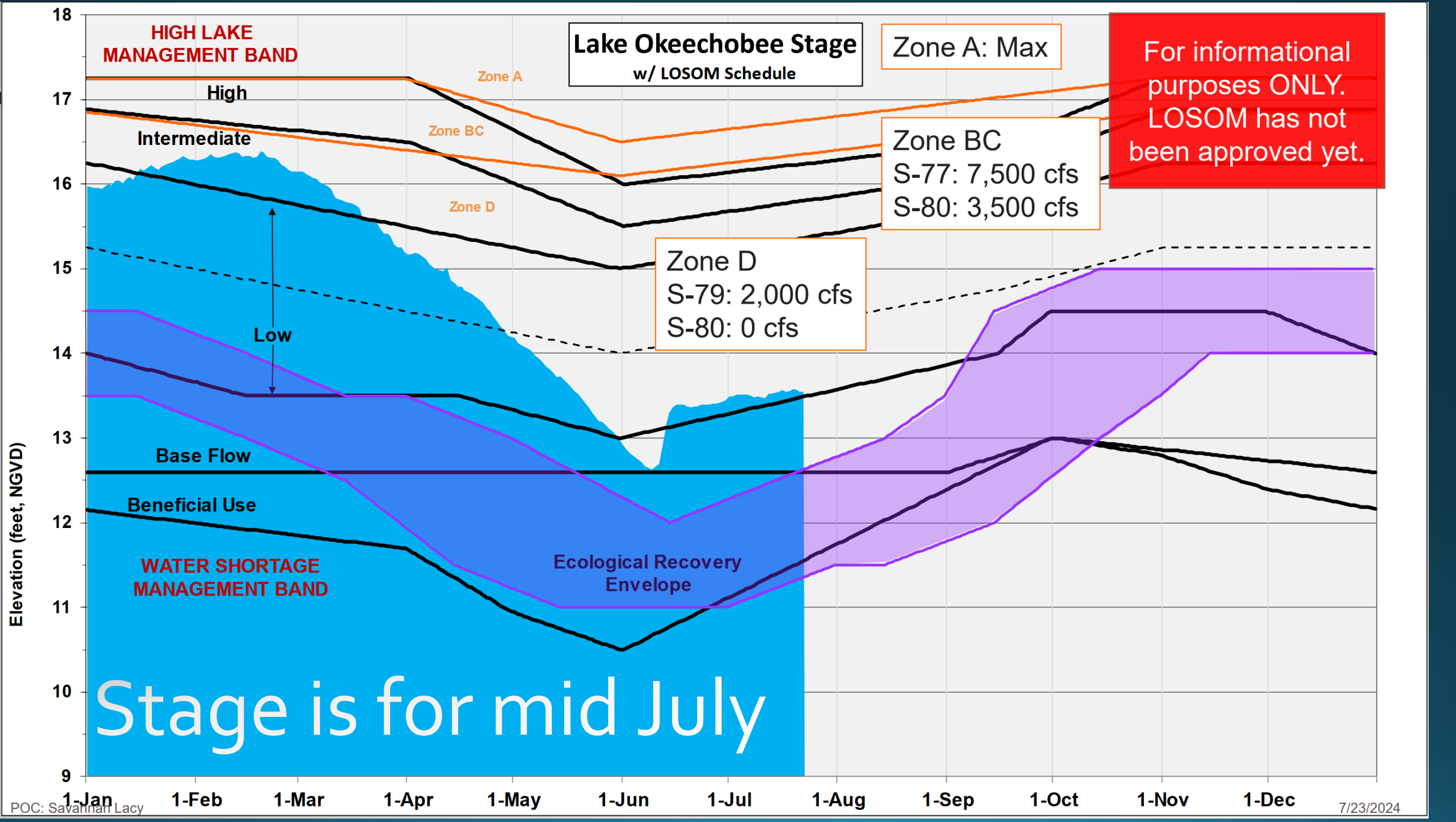
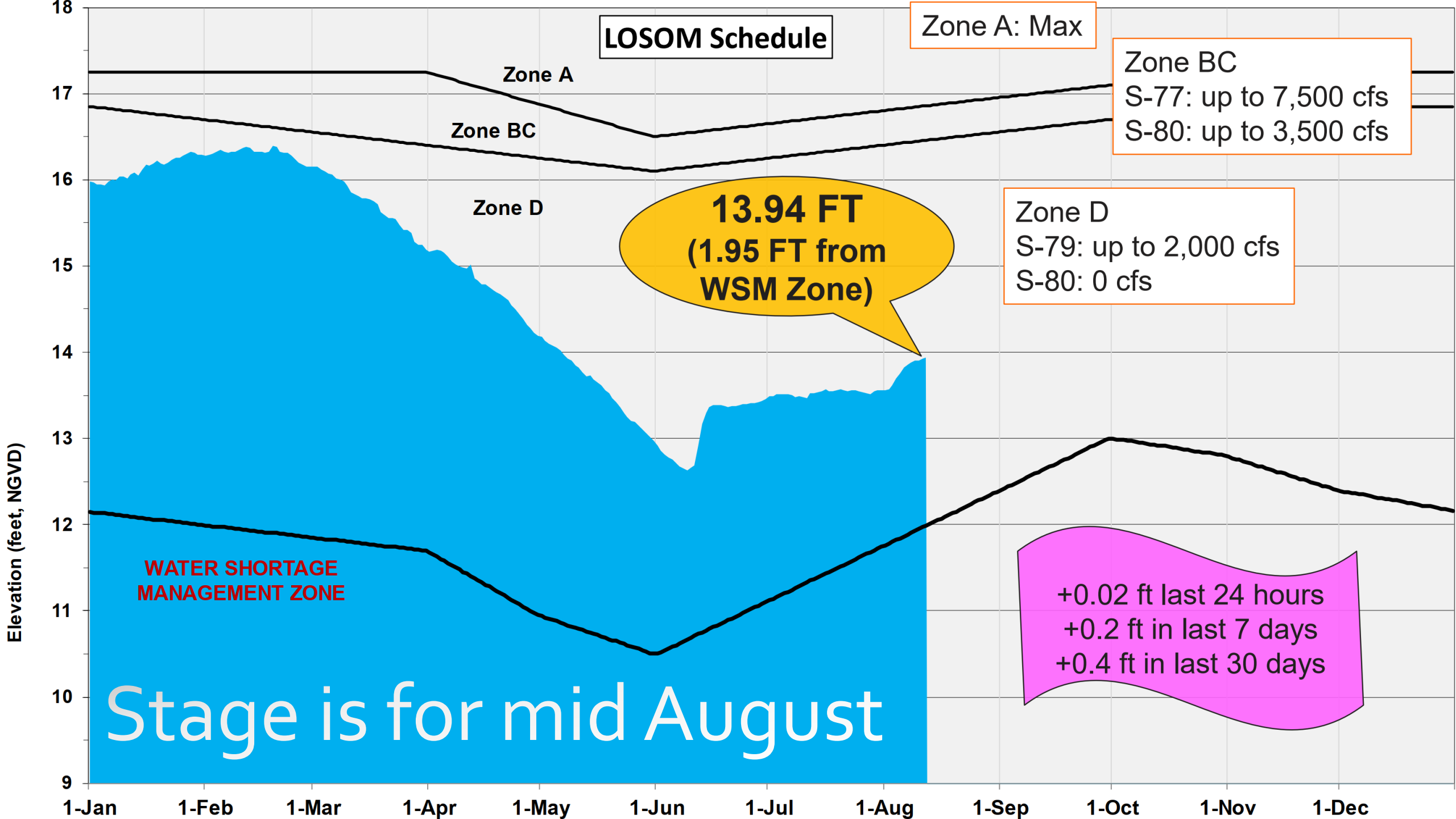


**LOSOM Signed into Effect  
Look at Lake Okeechobee Level &  
Useful Tools  
and  
Hurricane Origin Location by Month**

Paul Linton, PE

Palm Beach County (PBC) Water Resources Manager







U.S. ARMY

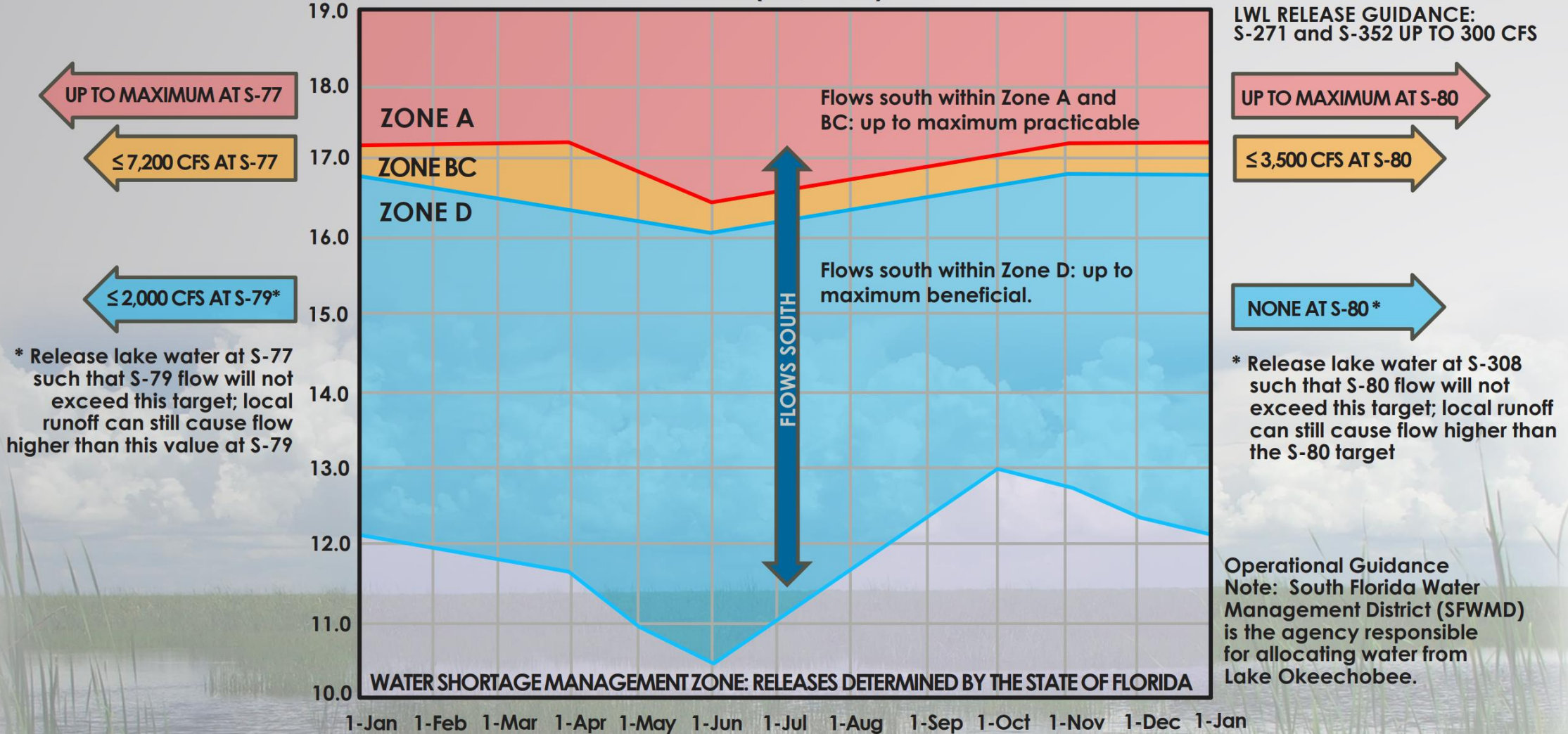
# THE LOSOM REGULATION SCHEDULE



TO THE CALOOSAHATCHEE RIVER ESTUARY (CRE)

TO THE ST. LUCIE ESTUARY (SLE) AND LAKE WORTH LAGOON (LWL)

LAKE LEVELS (FEET, NGVD)



TO THE GREATER EVERGLADES



# USACE Historical Data

Search for “USACE Jacksonville” and click on the



US Army Corps of Engineers, Jacksonville District (.mil)

<https://www.saj.usace.army.mil>



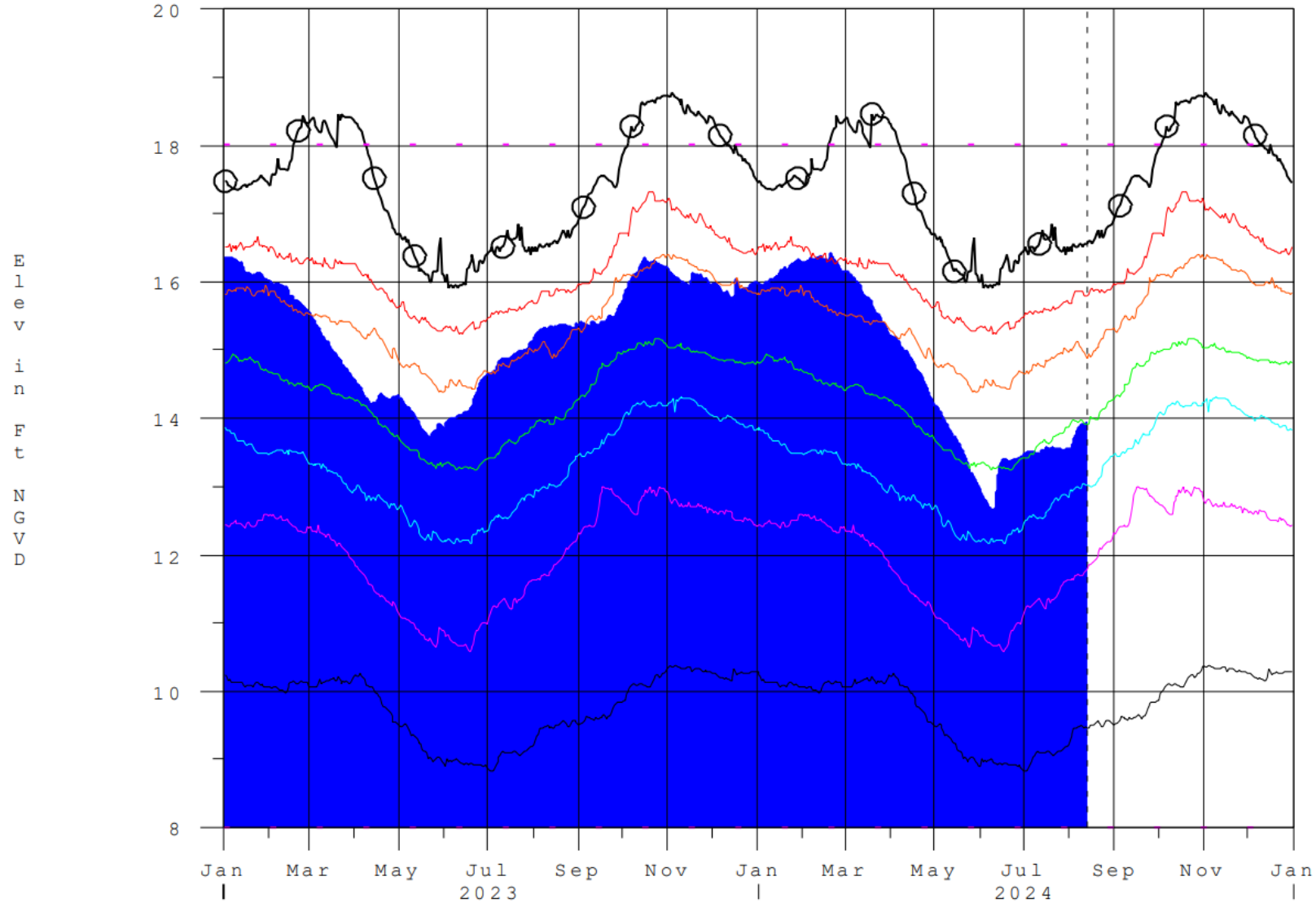
Jacksonville District, U.S. Army Corps of Engineers

On the right side of the web page click on the Water Management Icon in the Quick Links Section.

Click on the “Graphical Plot” link (blue text) then click on the “Lake Okeechobee Stats (1931-2016)” link (red text)

# Lake Okeechobee Compared to 1931-2020 Exceedance Statistics

13AUG24 14:30:25



— Okeechobee Avg Elev.  
— 90% Exceed Value  
— 75% Exceed Value  
— 50% Exceed Value

— 25% Exceed Value  
— 10% Exceed Value  
— Min Exceed Value  
— Max Exceed Value

# SFWMD Position Analysis

Go to the SFWMD.GOV web page and select “OPERATIONAL PLANNING” in the “SCIENCE AND DATA” pull down menus in the gray bar along the top.

Select the most recent DPA or CPA result in the “Position Analysis Results box along the west side of the page.

DPA = Dynamic Position Analysis

CPA = Climate (adjusted) Position Analysis

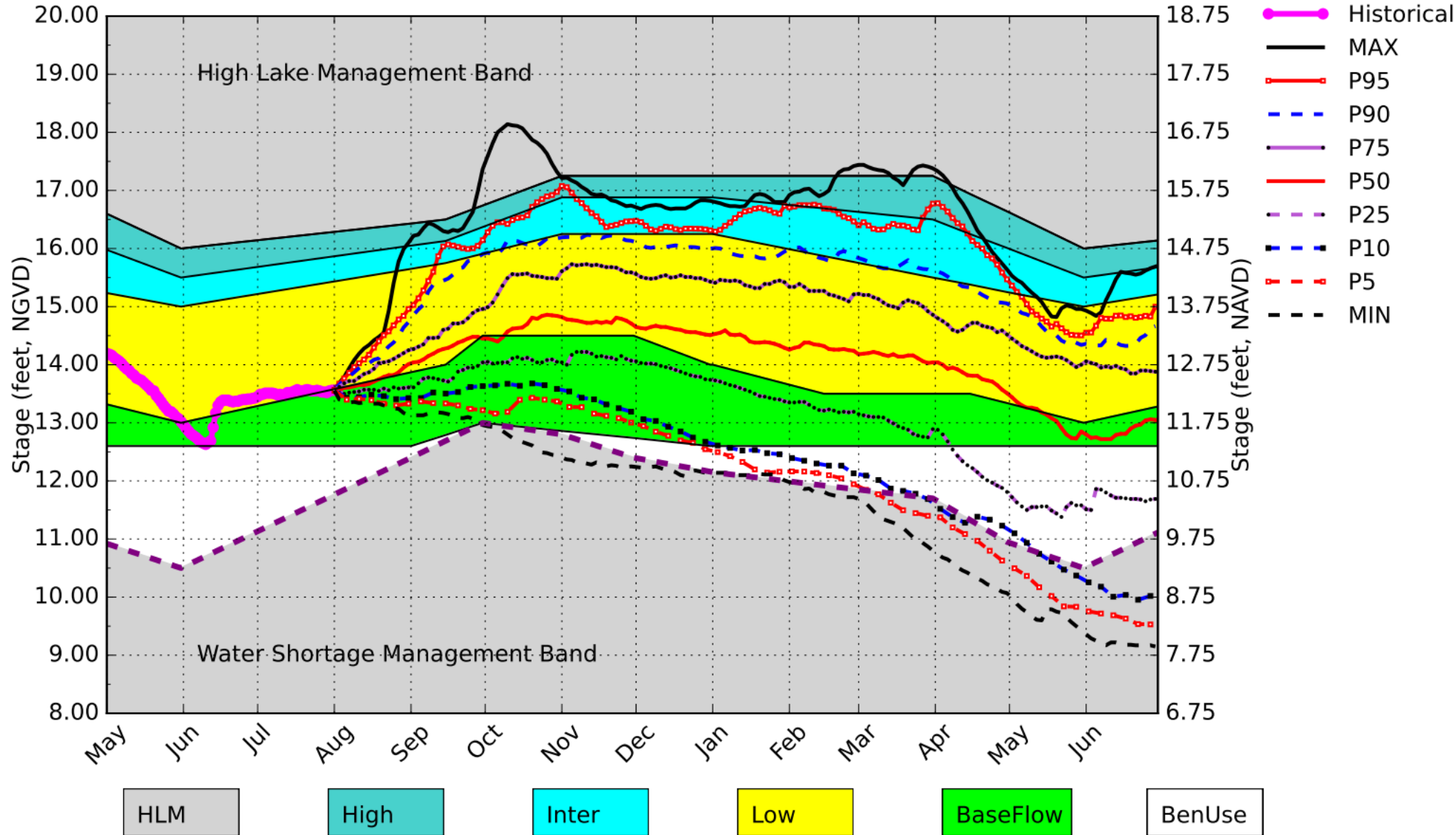
Based on historical climatic conditions 1965-2016

Currently uses the Lake Okeechobee Regulation Schedule (LORS2008).

Was following median but Ernesto rain increase stage to upper quartile

# Lake Okeechobee SFWMM August 2024 Position Analysis

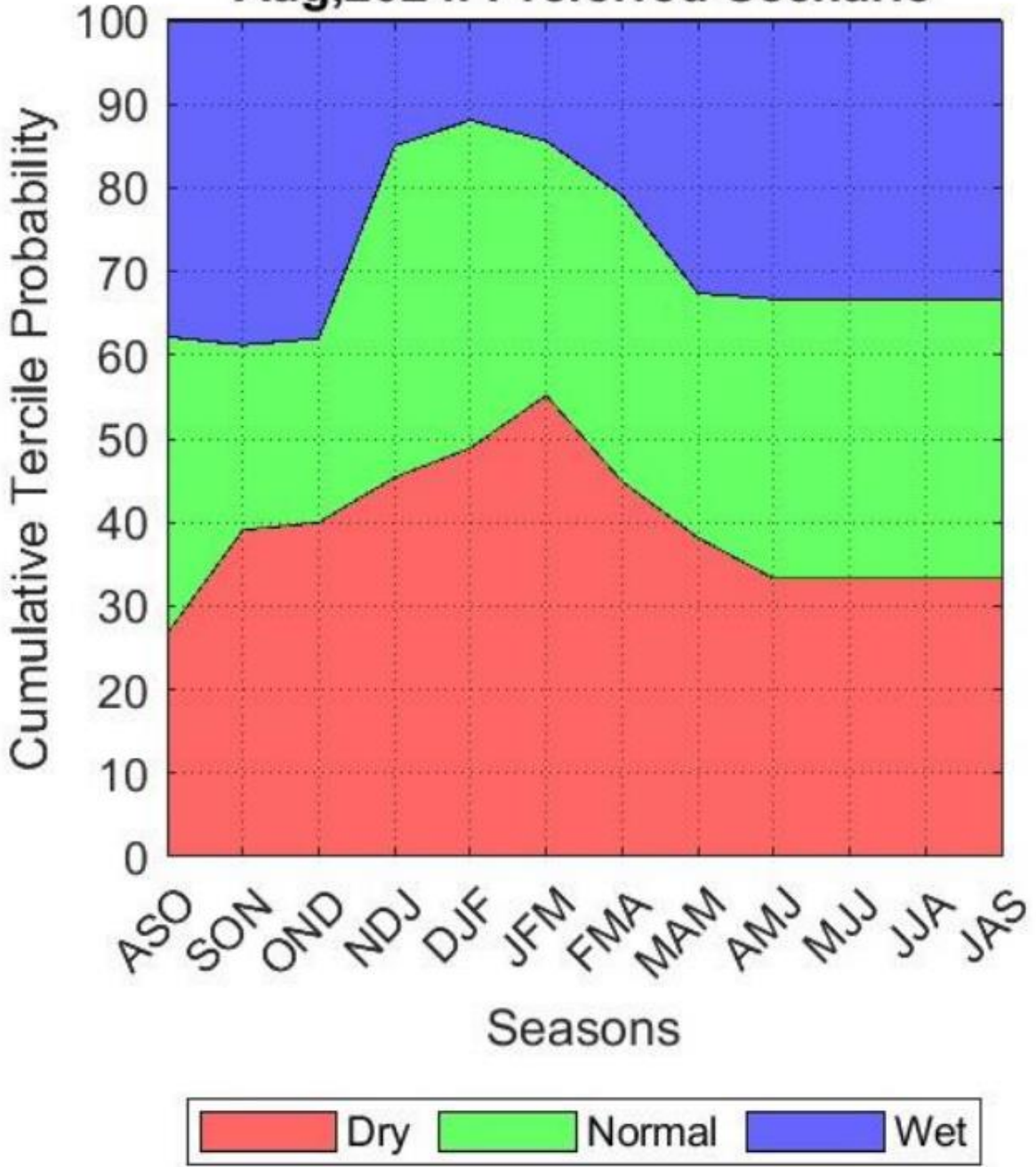
Percentiles PA



(See assumptions on the Position Analysis Results website)



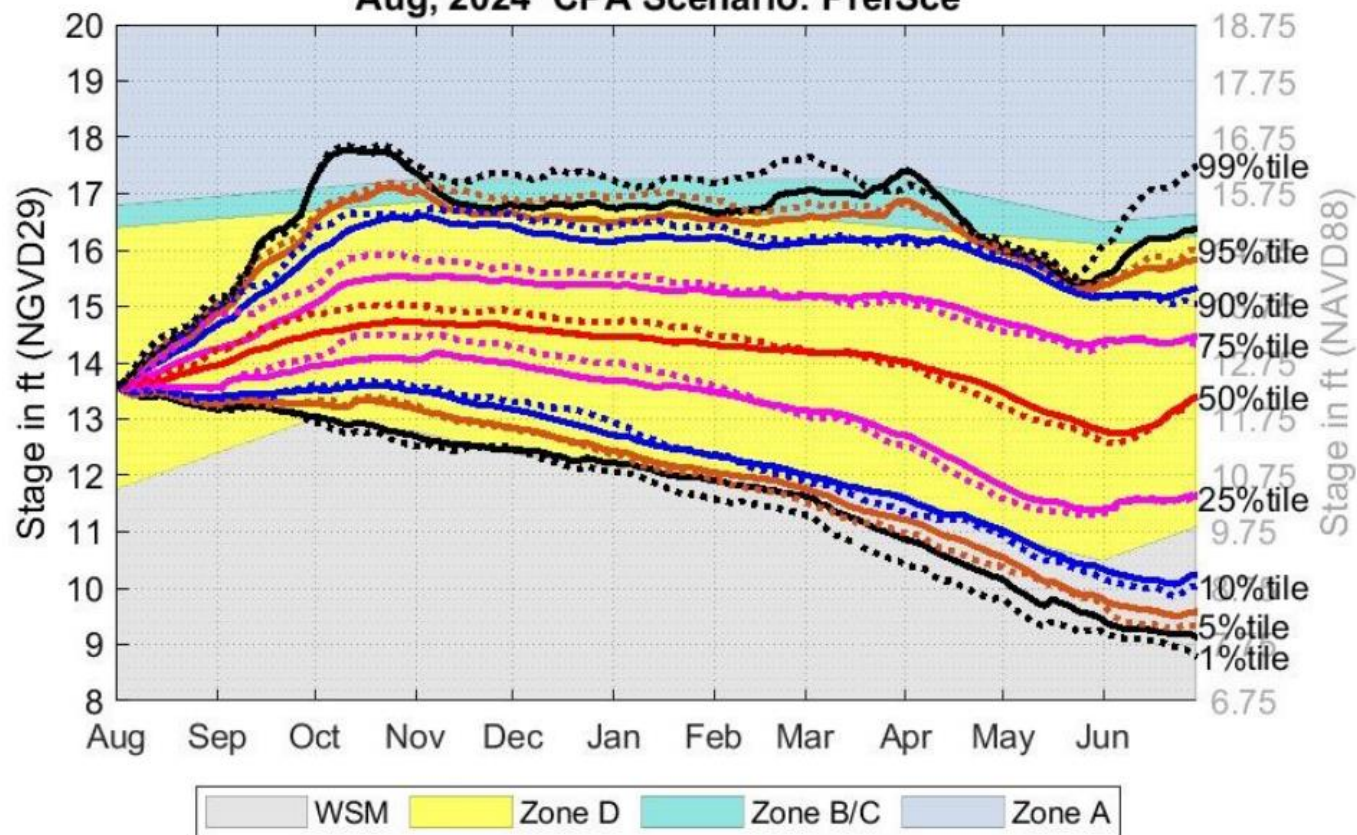
### Aug,2024: Preferred Scenario



Following CPA Example is for conditions the LOSOM Regulation Schedule

Solid lines are without expected effects of Seasonal rainfall probabilities from El Nino  
 dashed lines are with expected effects.

### Aug, 2024 CPA Scenario: PrefSce



# The Weather Wildcard is Tropical Events

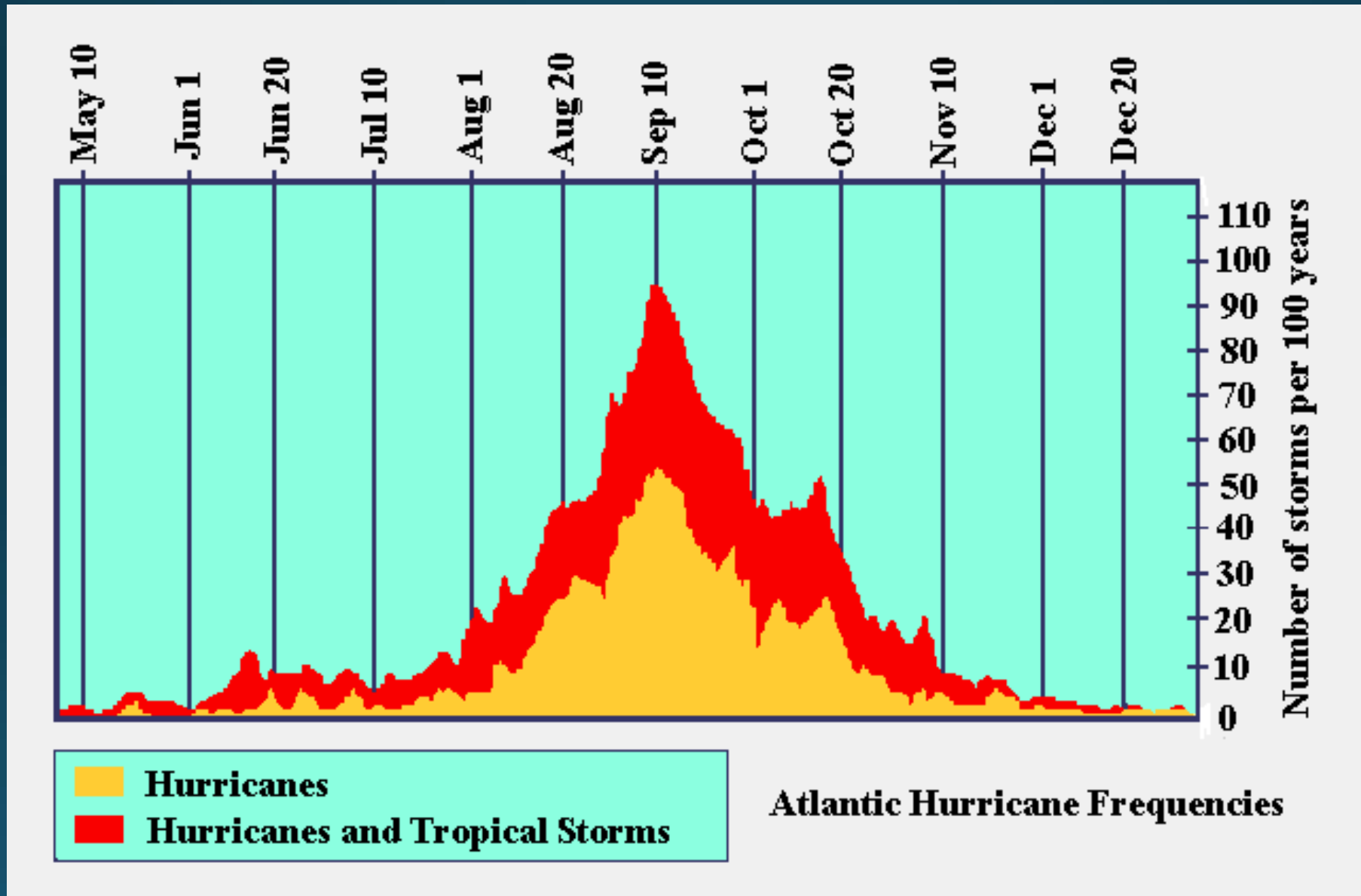
Go to the SFWMD.GOV web page and select “OPERATIONAL PLANNING” in the “SCIENCE AND DATA” pull down menus in the gray bar along the top.

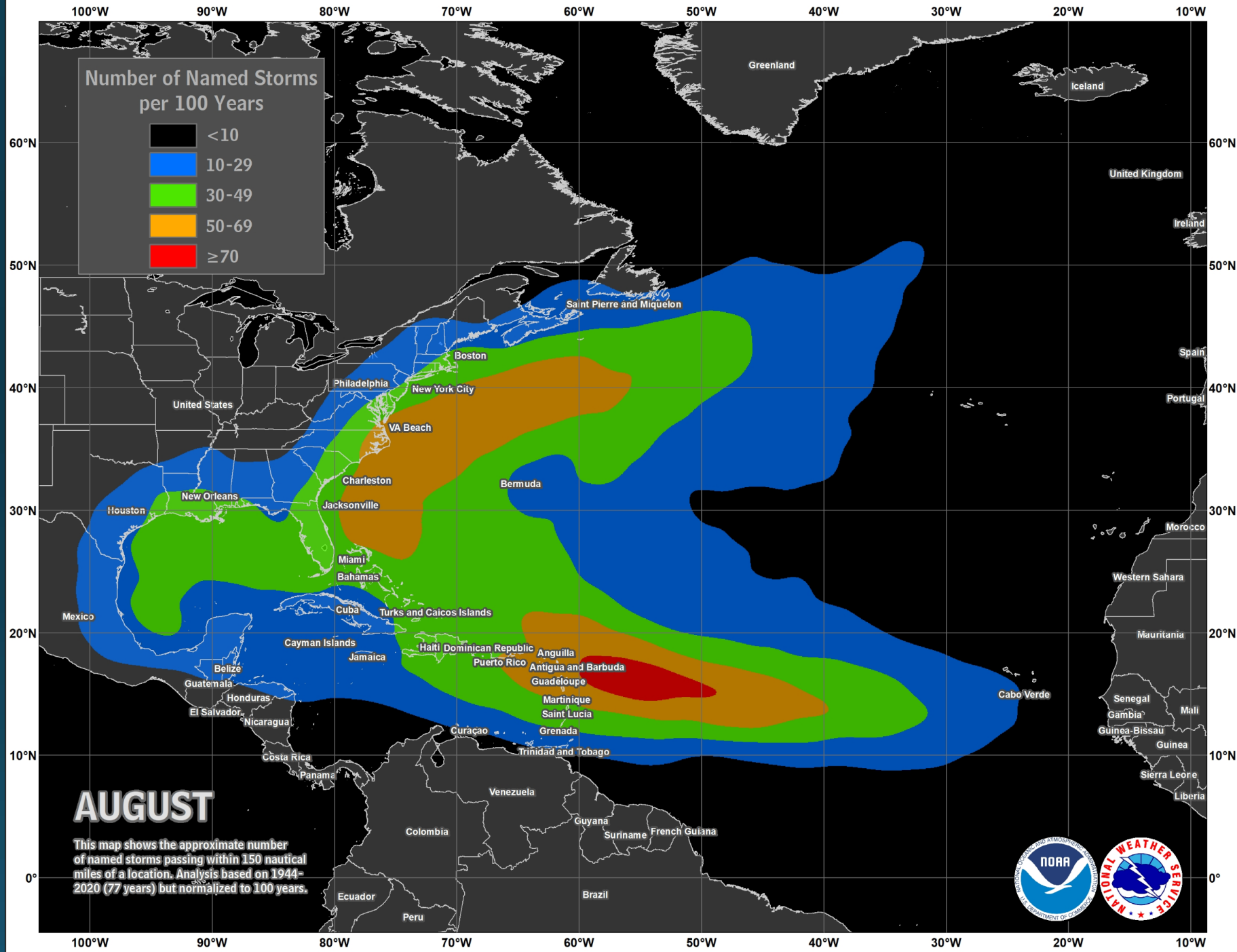
Select the most recent DPA or CPA result in the “Position Analysis Results box along the west side of the page.

DPA = Dynamic Position Analysis

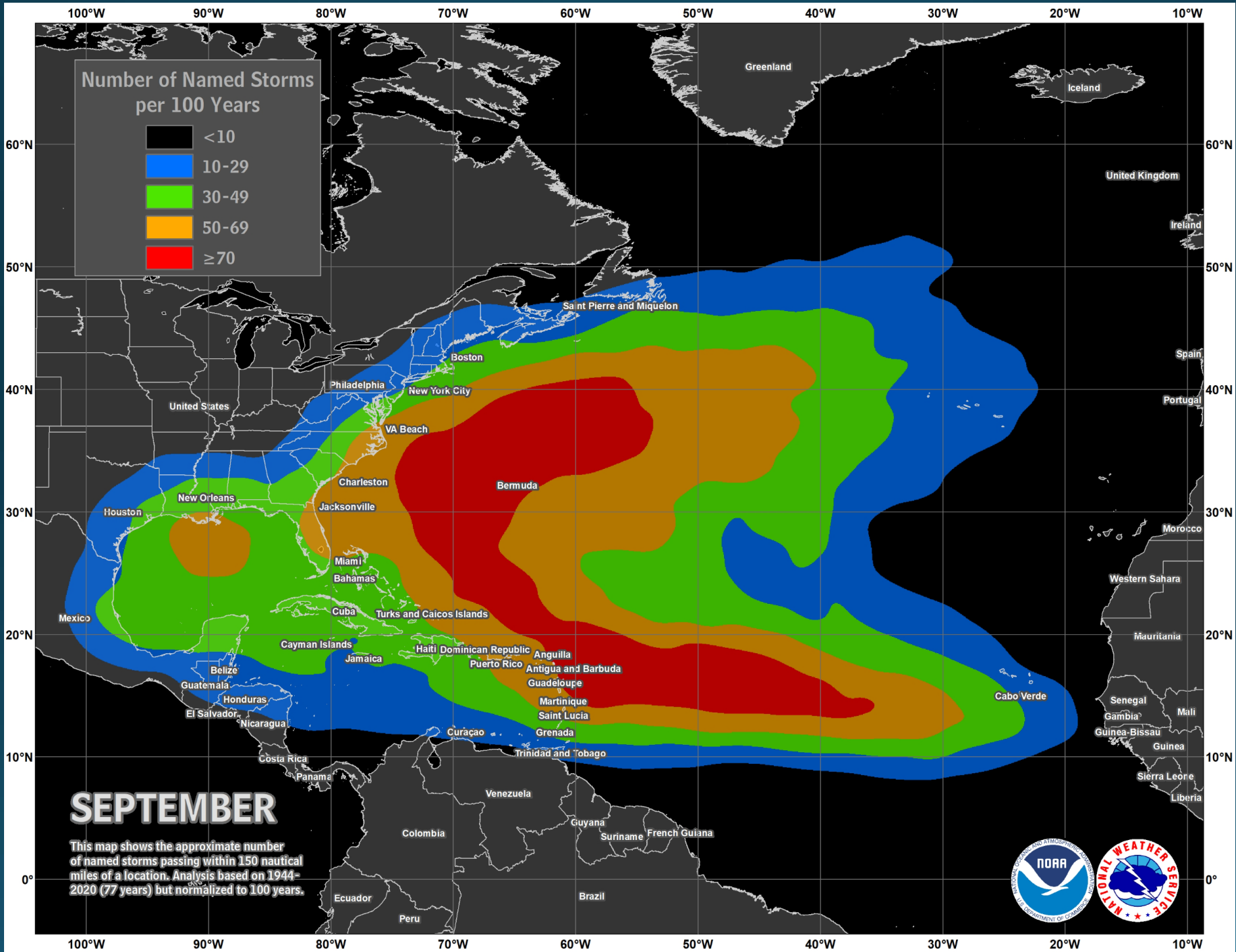
CPA = Climate (adjusted) Position Analysis

# The Weather Wildcard is Tropical Events

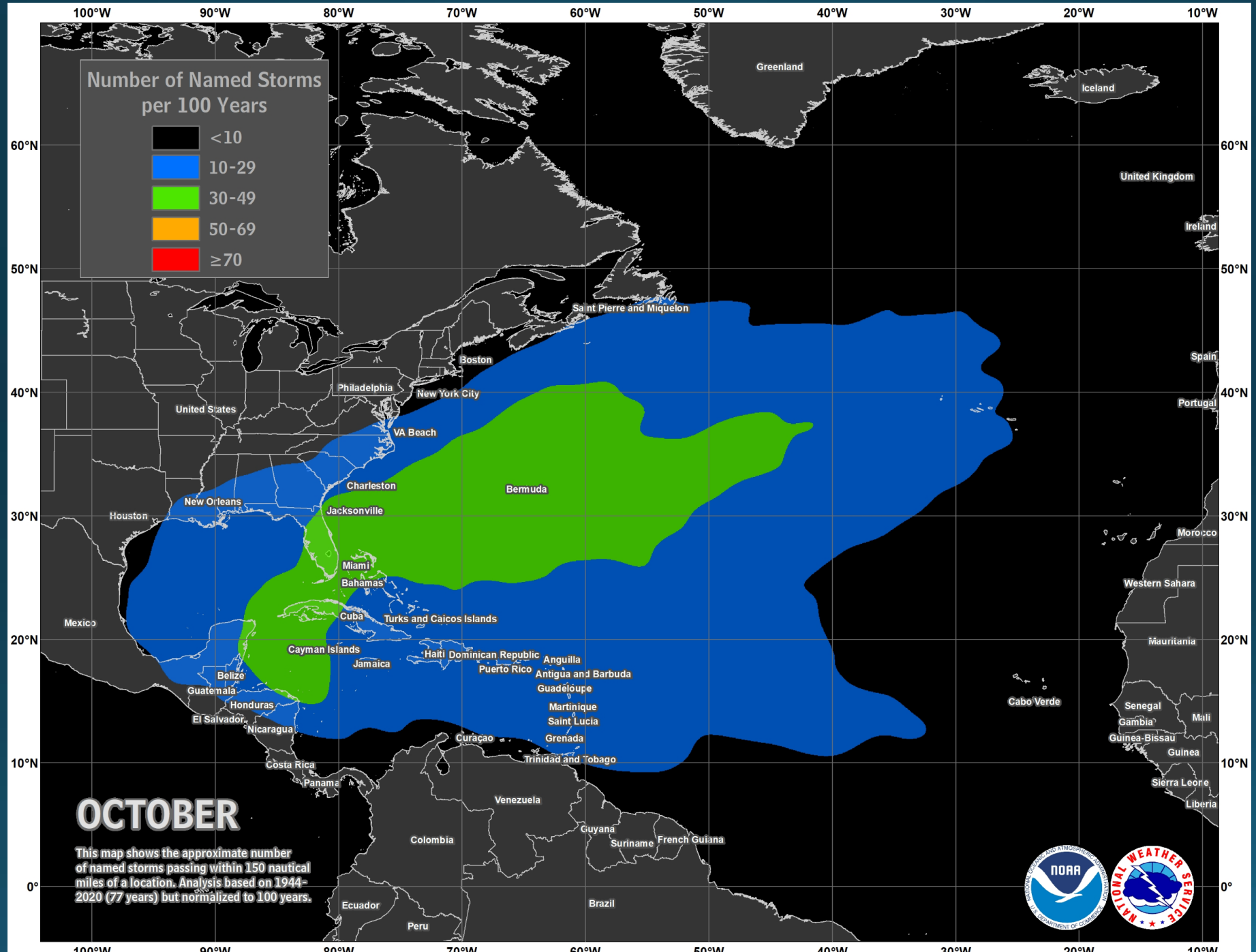
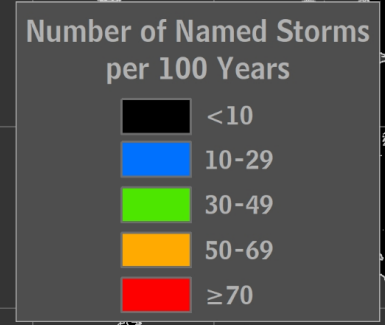








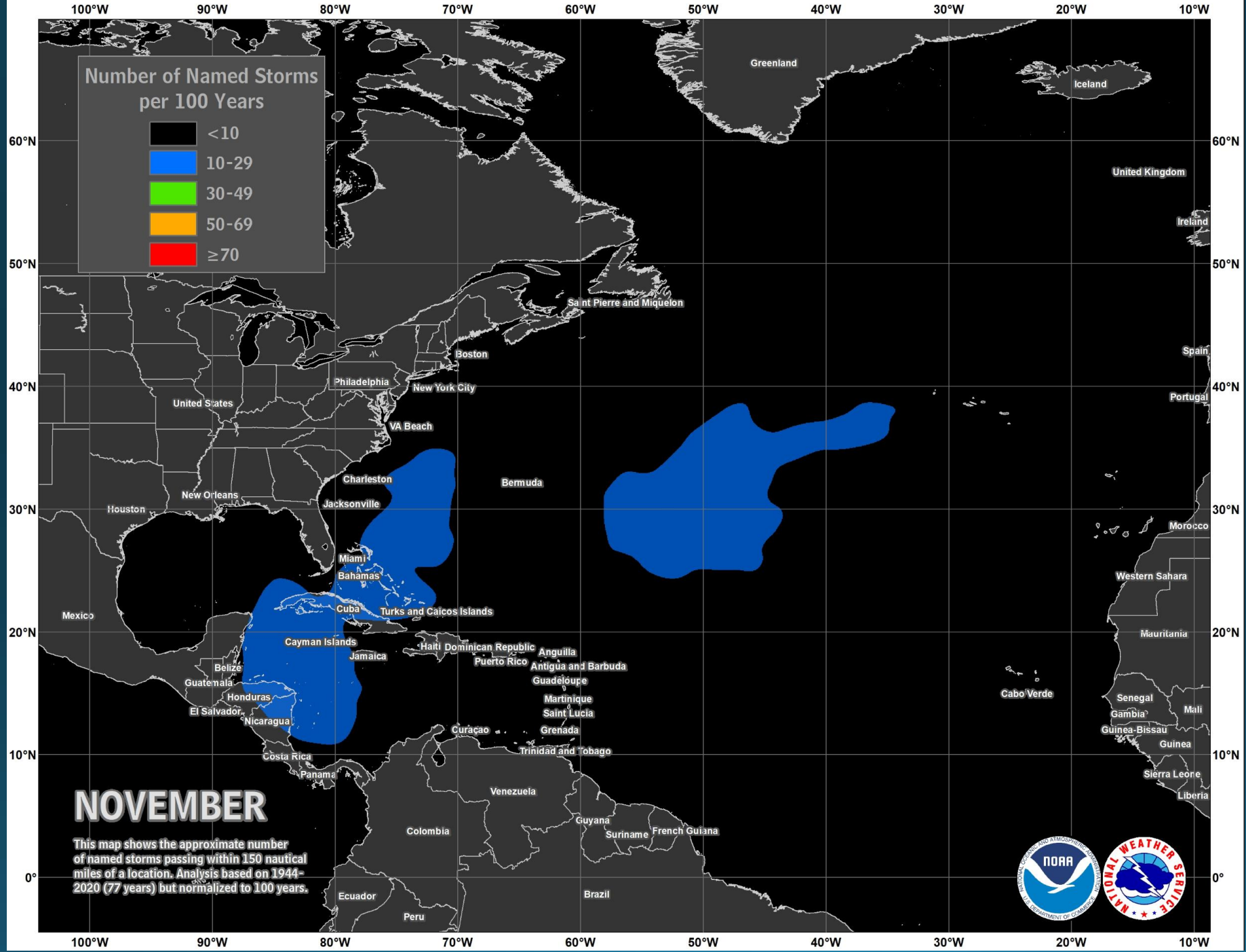




# OCTOBER

This map shows the approximate number of named storms passing within 150 nautical miles of a location. Analysis based on 1944-2020 (77 years) but normalized to 100 years.





Questions?

Thank you!