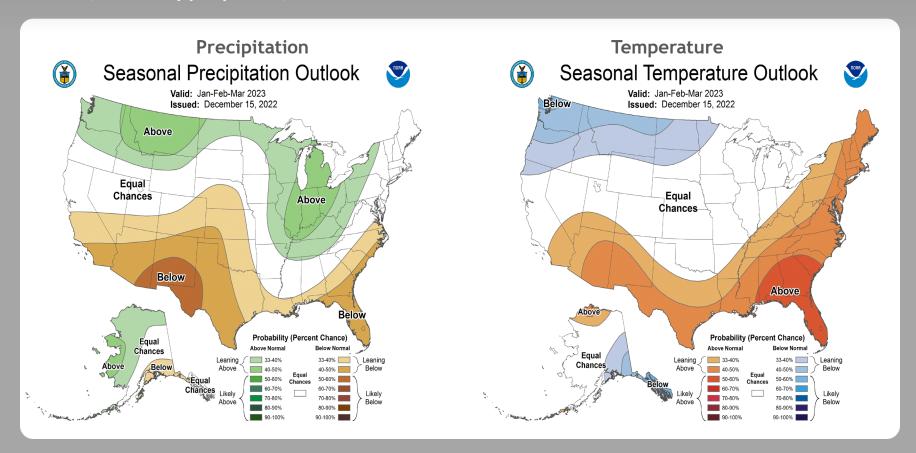
Extended Hydrologic Outlook January 10, 2023

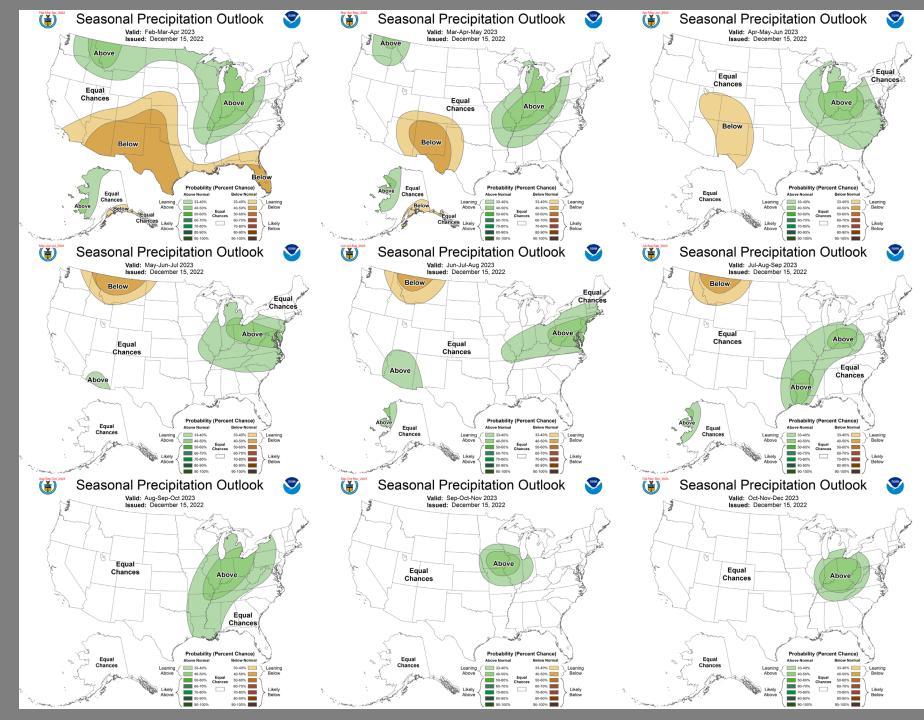
- The Climate Prediction Center (CPC) is forecasting <u>below</u> normal rainfall for <u>January through March</u>.
- La Niña is present and is expected to continue into the winter, with equal chances of La Niña and ENSO-neutral during January-March 2023. In February-April 2023, there is a 71% chance of ENSO-neutral.
- Atlantic Multidecadal Oscillation (AMO) is <u>currently in the</u> warm phase:
 - Average annual inflow to Lake Okeechobee is nearly 50% greater during the warm phase compared to the cold phase

U. S. Seasonal Outlooks

January - March 2023

The seasonal outlooks combine the effects of long-term trends, soil moisture, and, when appropriate, ENSO.





Teleconnections to South Florida

Climate anomalies being related to each other at large distances:

El Niño Southern Oscillation (ENSO)

El Niño increases the chances of a wetter-than-normal dry season and decreased tropical activity, La Niña increases the chances of a drier-than-normal dry season and increased tropical activity (both have most influence in south Florida from November through March)

Pacific Decadal Oscillation (PDO)

Increases variations in south Florida dry season rainfall, positive leads to more El Niño events, negative leads to more La Niña events

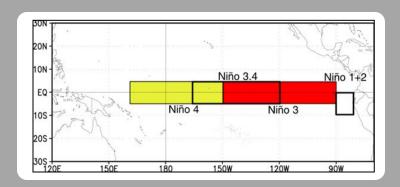
Atlantic Multidecadal Oscillation (AMO)

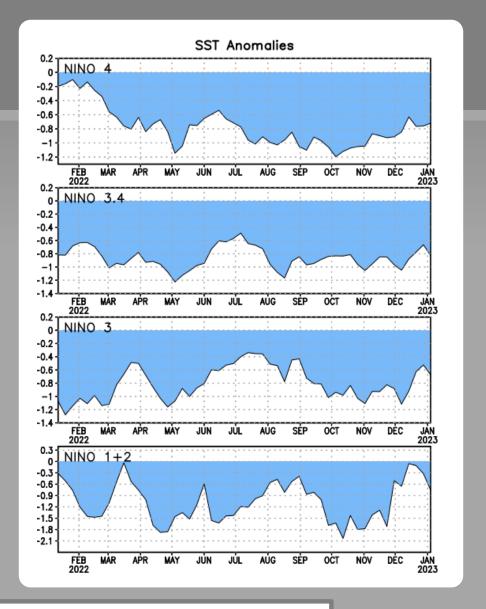
Average annual inflow to Lake Okeechobee is nearly 50% greater during the warm phase compared to the cold phase of the AMO, easterly flow toward south Florida affected by phase

Niño Region SST Departures (°C) Recent Evolution

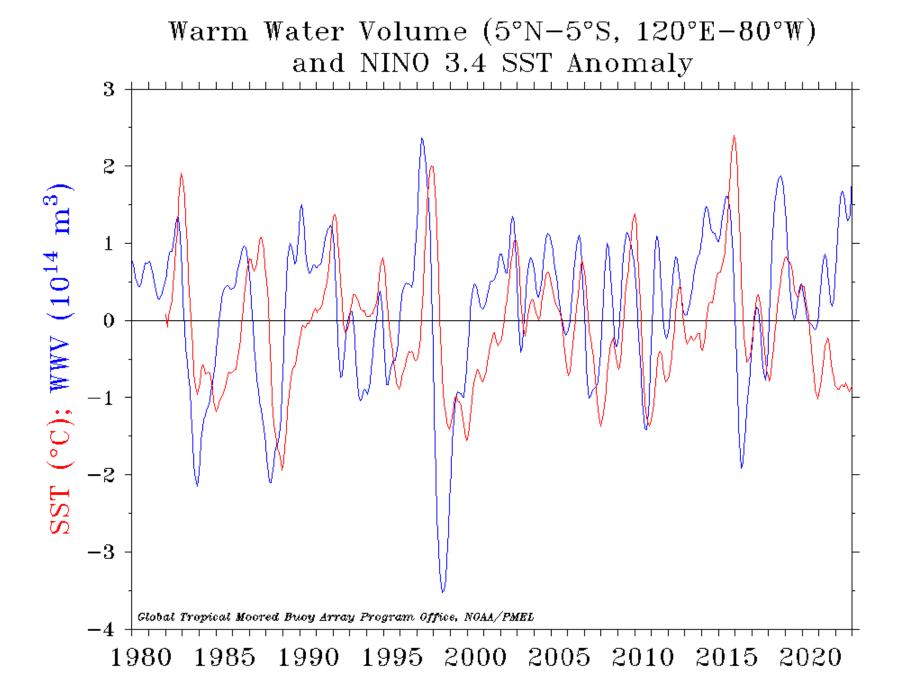
The latest weekly SST departures are:

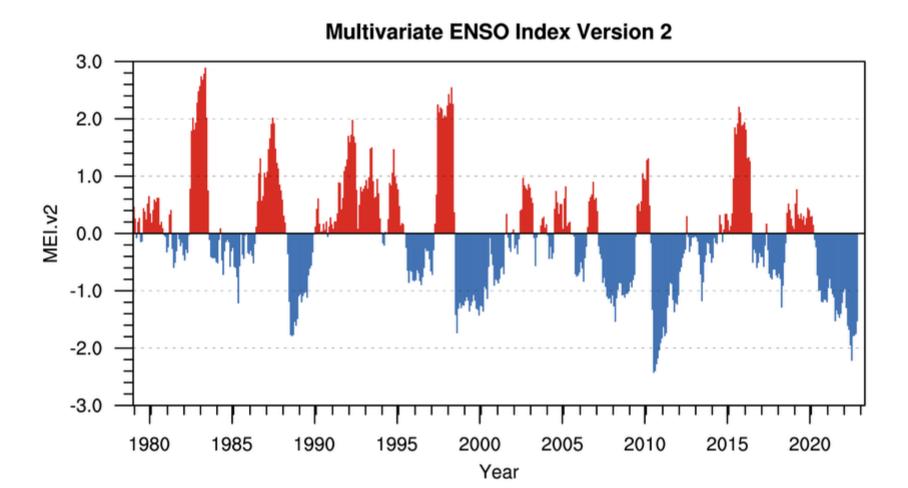
Niño 4 -0.7°C Niño 3.4 -0.8°C Niño 3 -0.7°C Niño 1+2 -0.8°C





This weekly sea surface temperature data is based on OISSTv2.1 (Huang et al., 2021).





Prepared by: NOAA Physical Sciences Laboratory

MEI.v2 Evolution of Current ENSO Event in Historical Context

