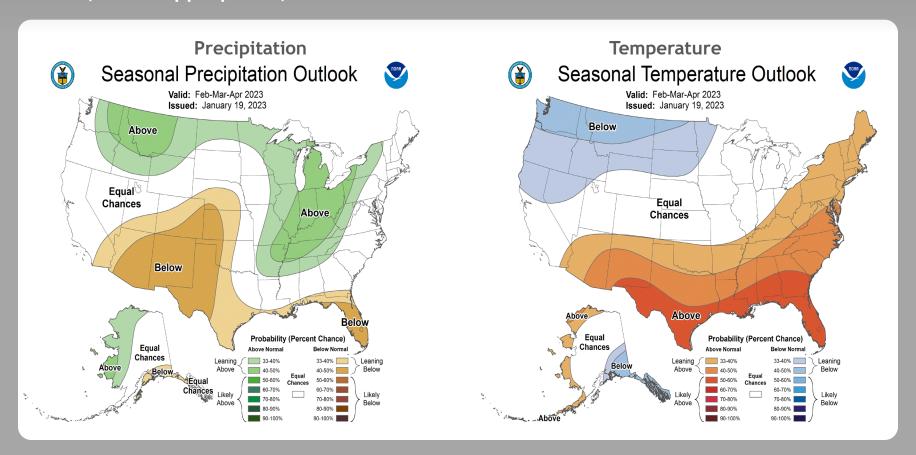
# Extended Hydrologic Outlook February 7, 2023

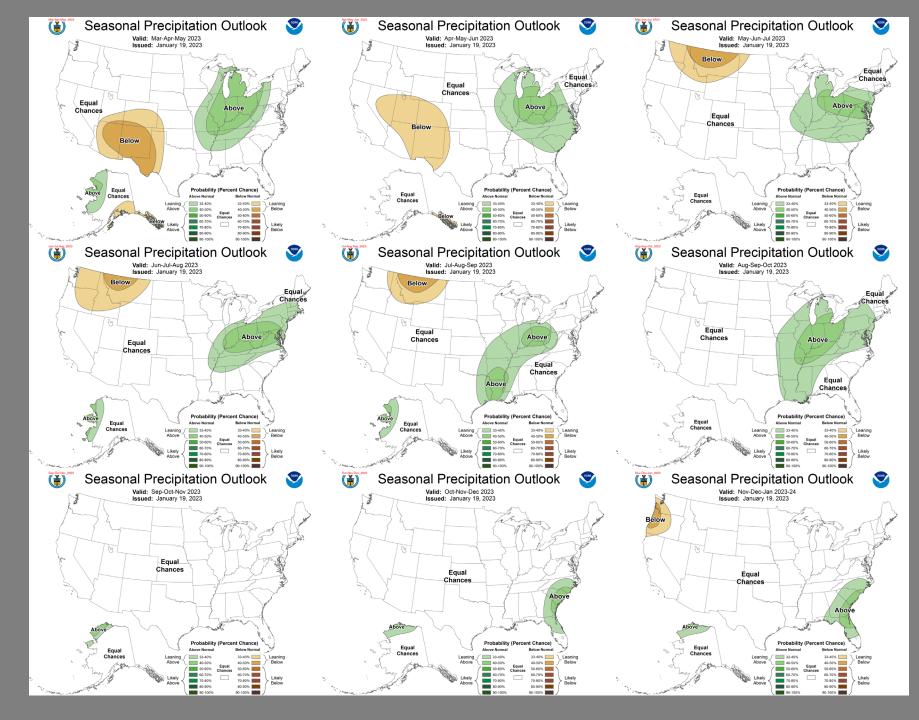
- The Climate Prediction Center (CPC) is forecasting <u>below</u> normal rainfall for <u>February through April</u>.
- La Niña is present. A transition from La Niña to ENSOneutral is anticipated during the February-April 2023 season. By spring (March-May 2023), the chance for ENSOneutral is 82%.
- Atlantic 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

#### February - April 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

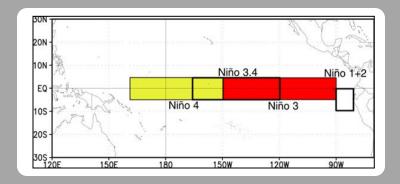
#### **Atlantic Multidecadal Oscillation (AMO)**

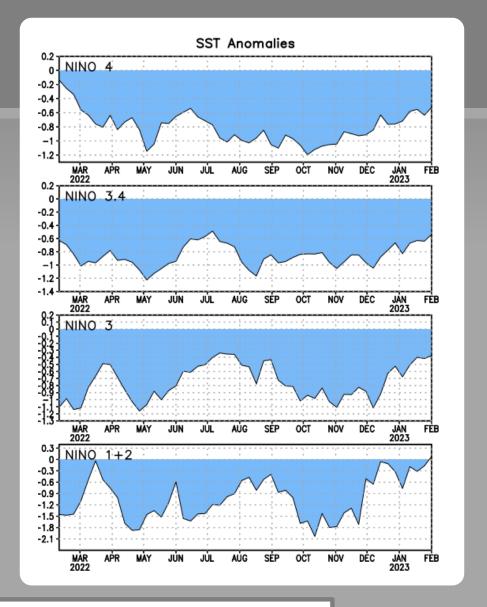
Average annual inflow to Lake Okeechobee is nearly 50% greater during the warm phase compared to the cold phase of the AMO, easterly flow toward south Florida affected by phase

### Niño Region SST Departures (°C) Recent Evolution

# The latest weekly SST departures are:

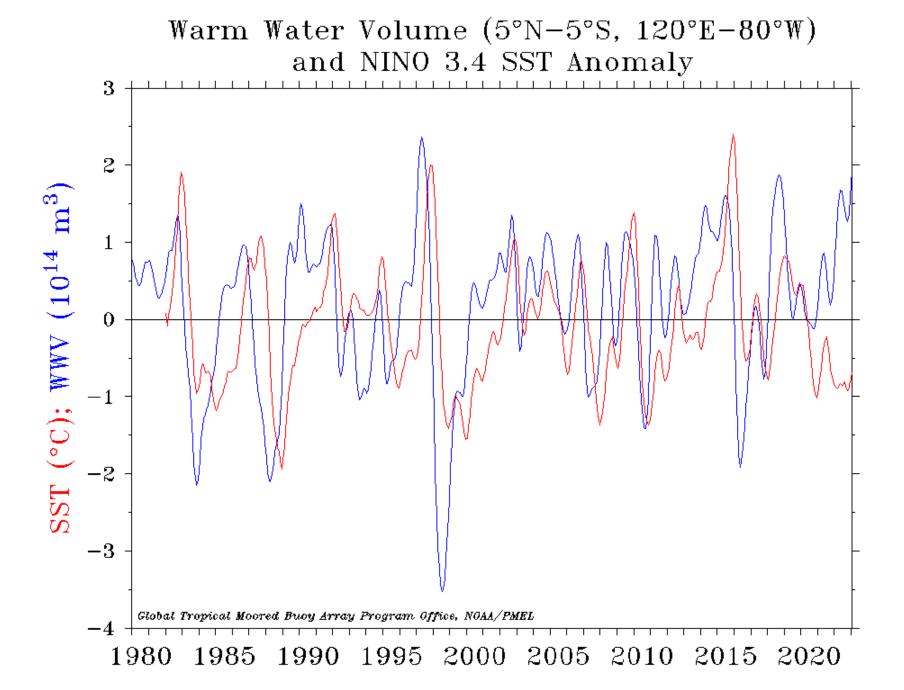
Niño 4 -0.5°C Niño 3.4 -0.5°C Niño 3 -0.4°C Niño 1+2 0.1°C

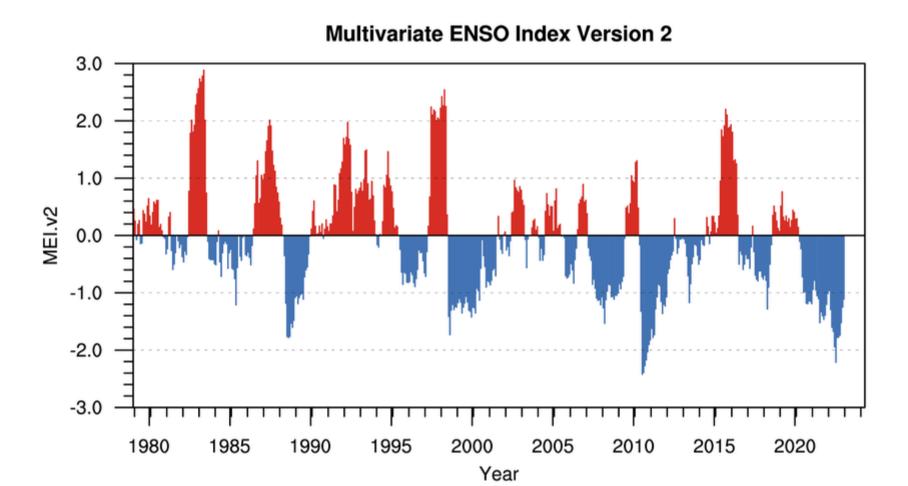




This weekly sea surface temperature data is based on OISSTv2.1 (Huang et al., 2021).

Prepared by: Climate Prediction Center/NCEP





Prepared by: NOAA Physical Sciences Laboratory

MEI.v2 Evolution of Current ENSO Event in Historical Context

