



National Weather Service Winter Outlook 2021/2022



Lake Tahoe 10/14 – GeorgeRose.com



National Weather Service Winter Outlook 2021/2022

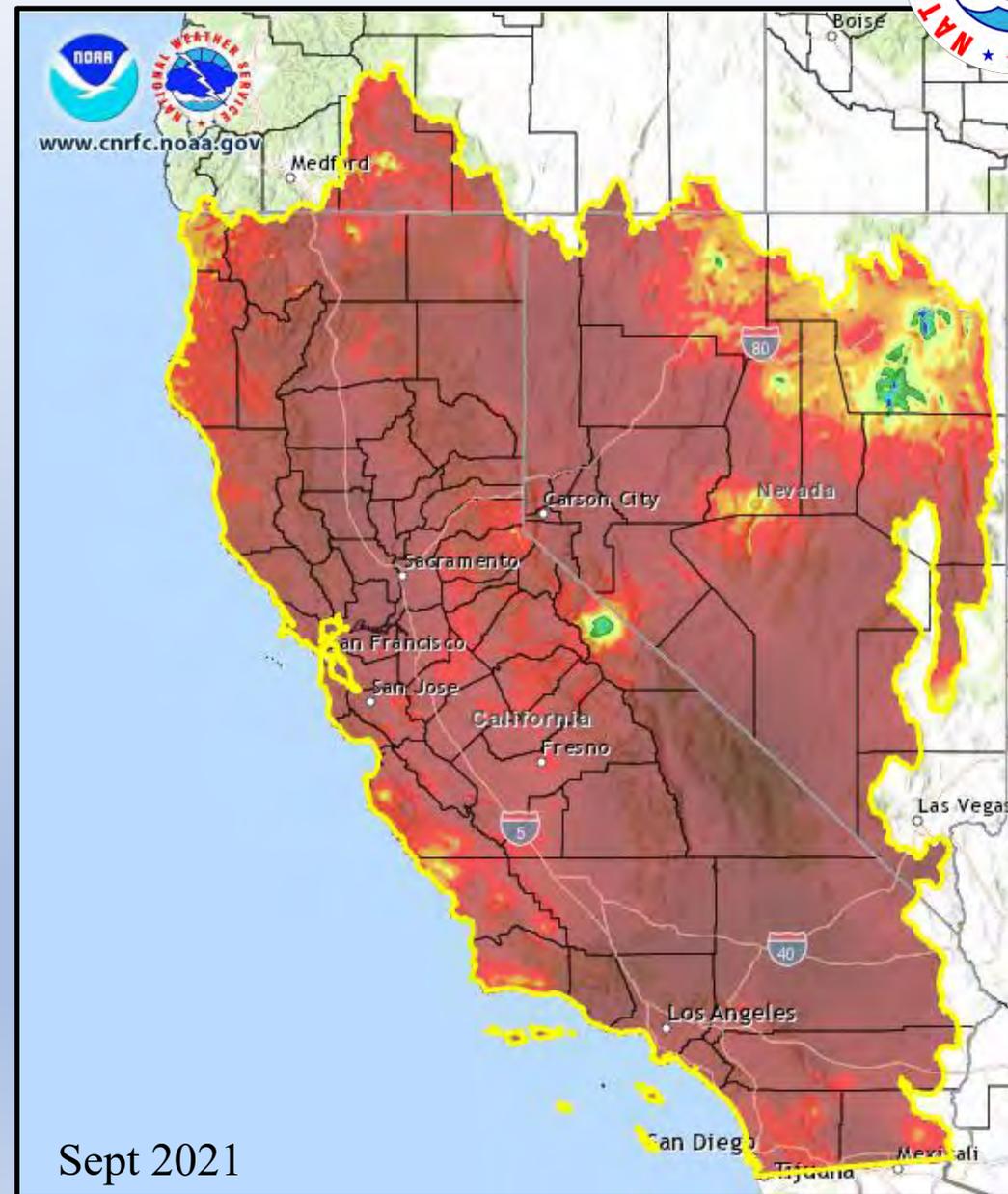
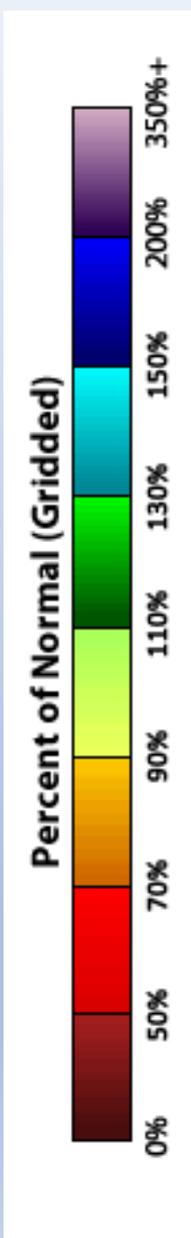
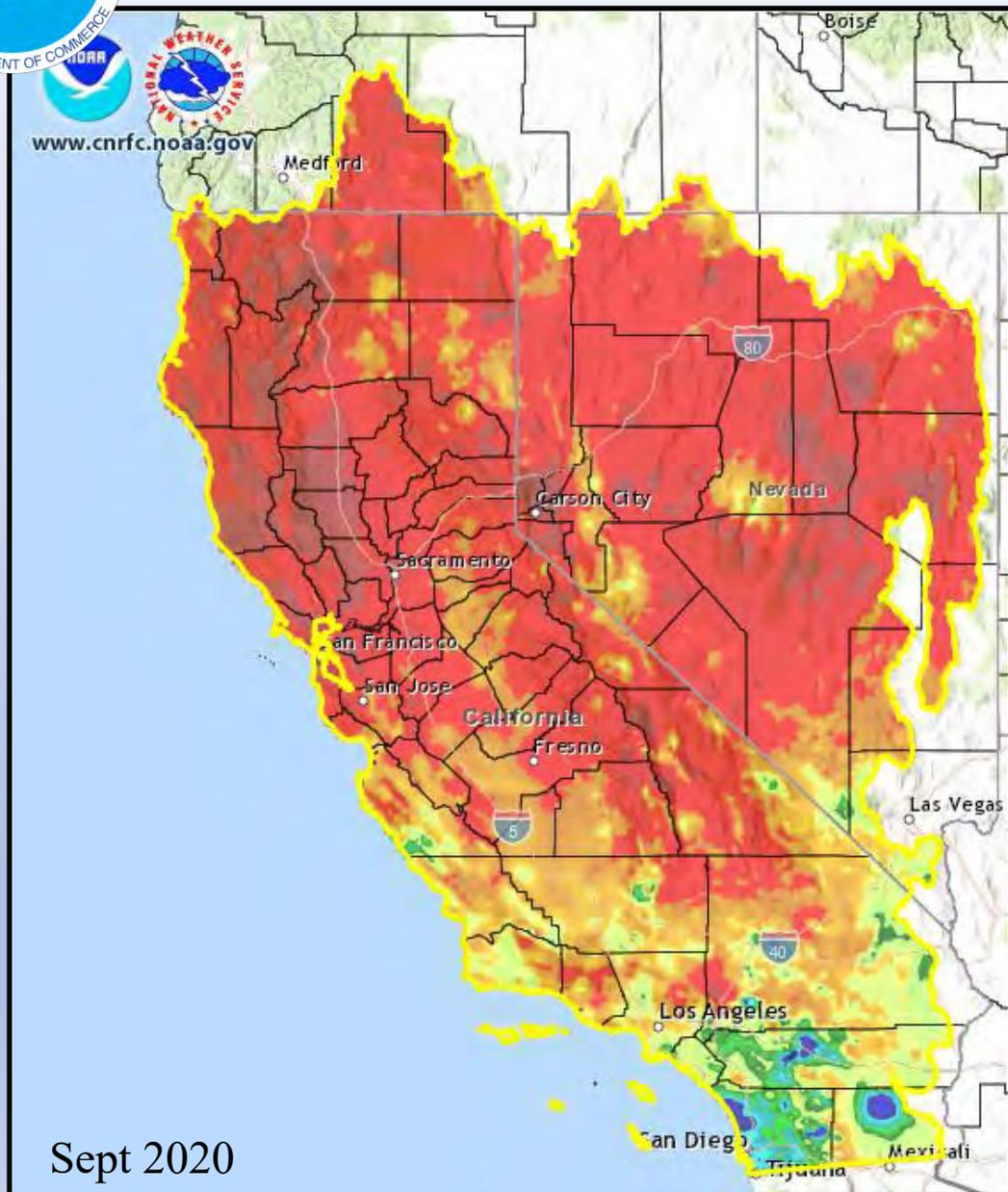


Topics

- Winter 2020 / 2021
- Drought – current and forecast
- Burn Scars
- Winter Outlook
- Tools to Use



Water Year's 2020 and 2021





Drought: Current

U.S. Drought Monitor California

November 23, 2021
(Released Wednesday, Nov. 24, 2021)
Valid 7 a.m. EST



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

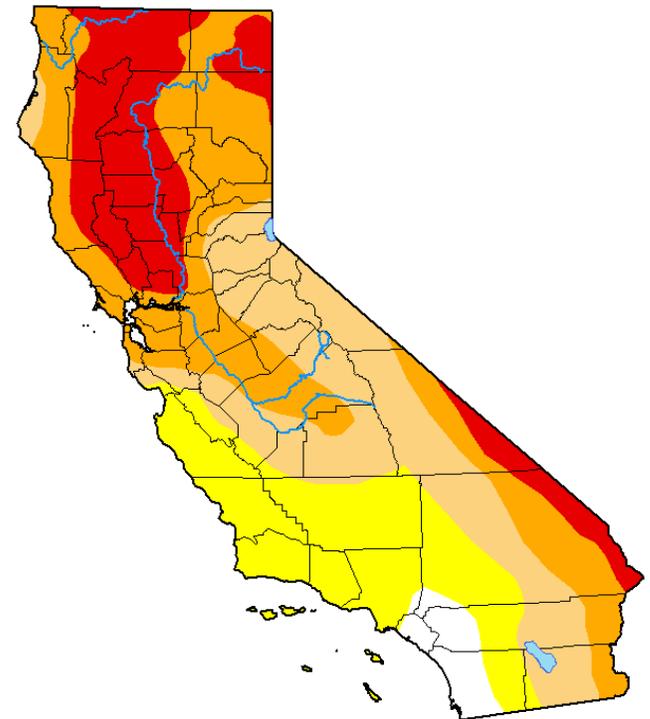
Author:

Richard Heim
NCEI/NOAA



droughtmonitor.unl.edu

November 24, 2020

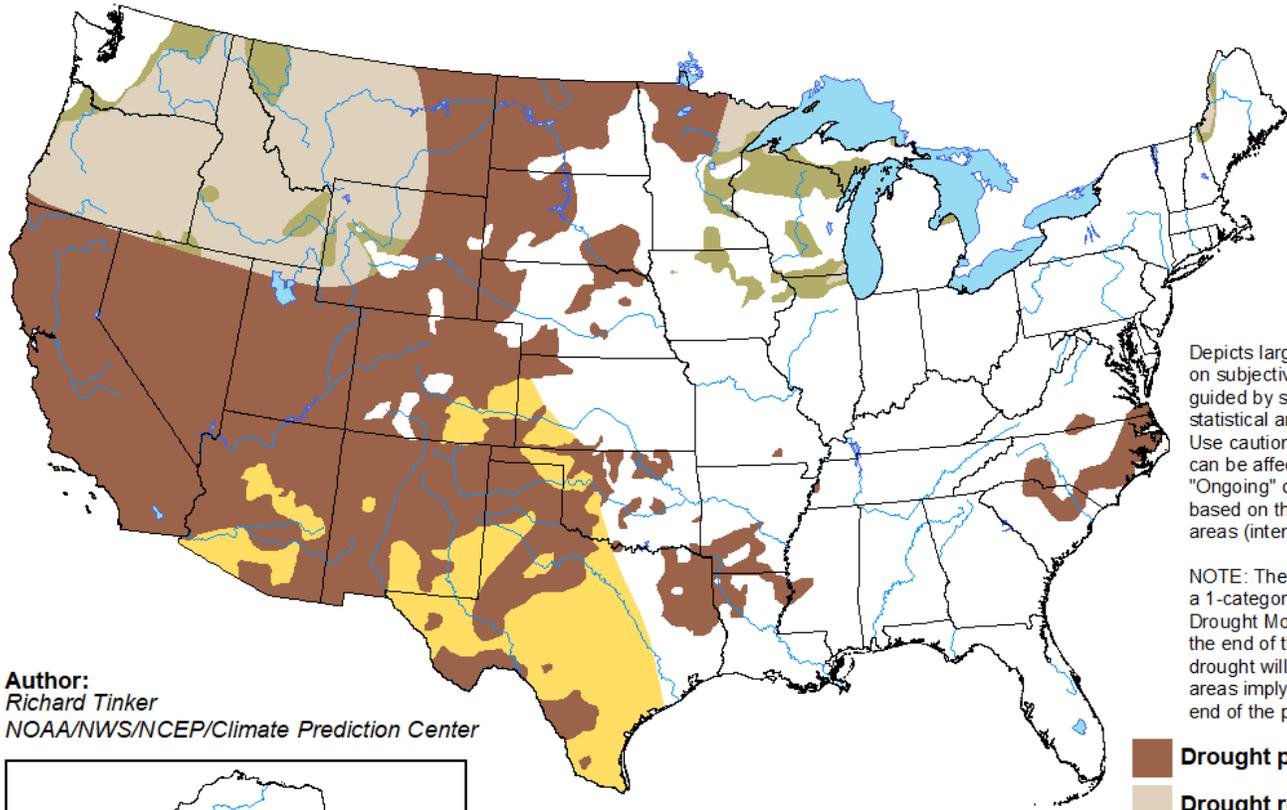




Drought: Forecast

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for November 18, 2021 - February 28, 2022
Released November 18, 2021

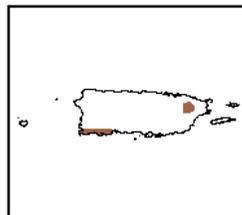
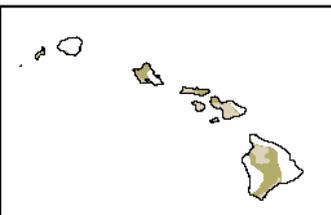
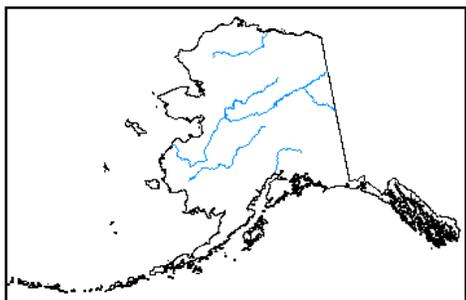


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Richard Tinker
NOAA/NWS/NCEP/Climate Prediction Center

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZ73>

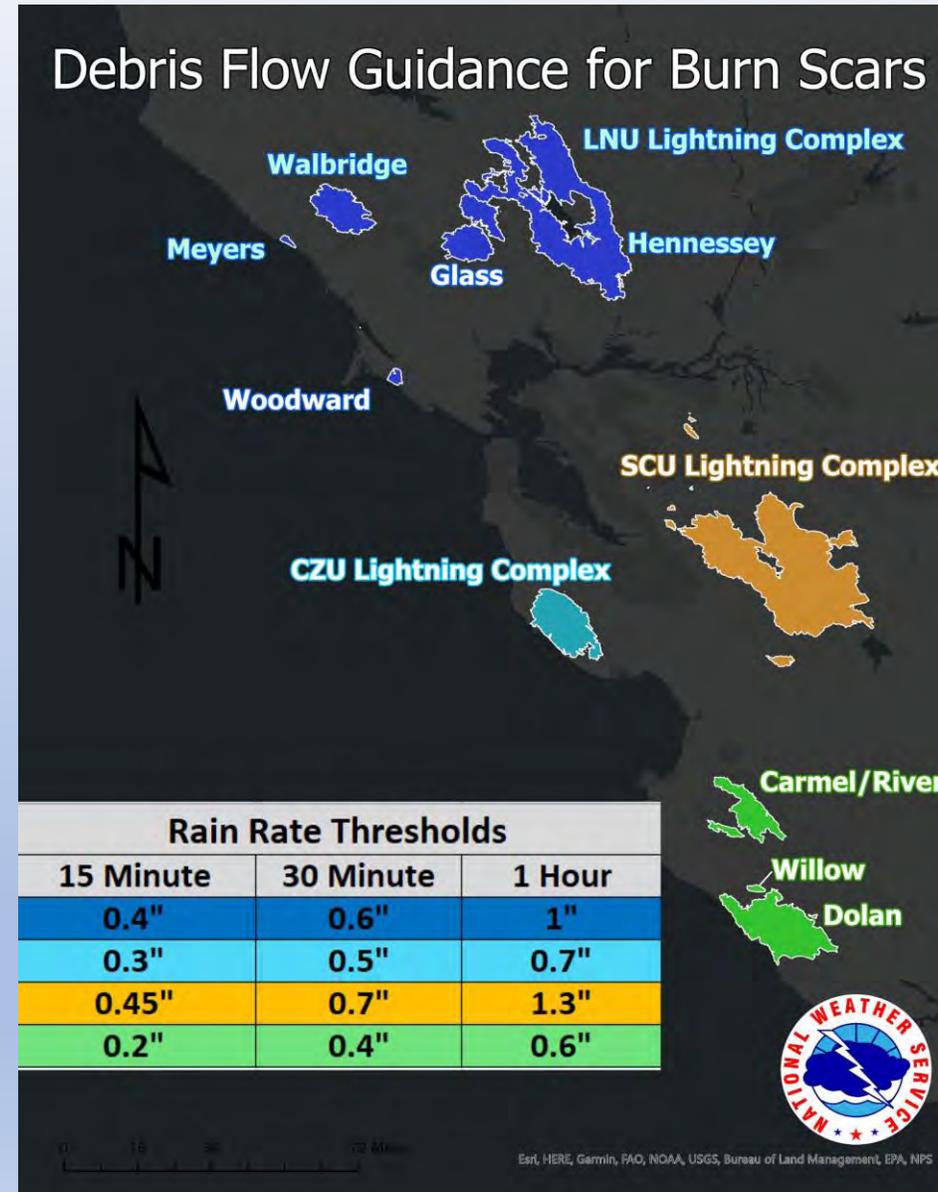


Burn Scars – Post Wildfire Debris Flows





Burn Scars – Post Wildfire Debris Flow Thresholds

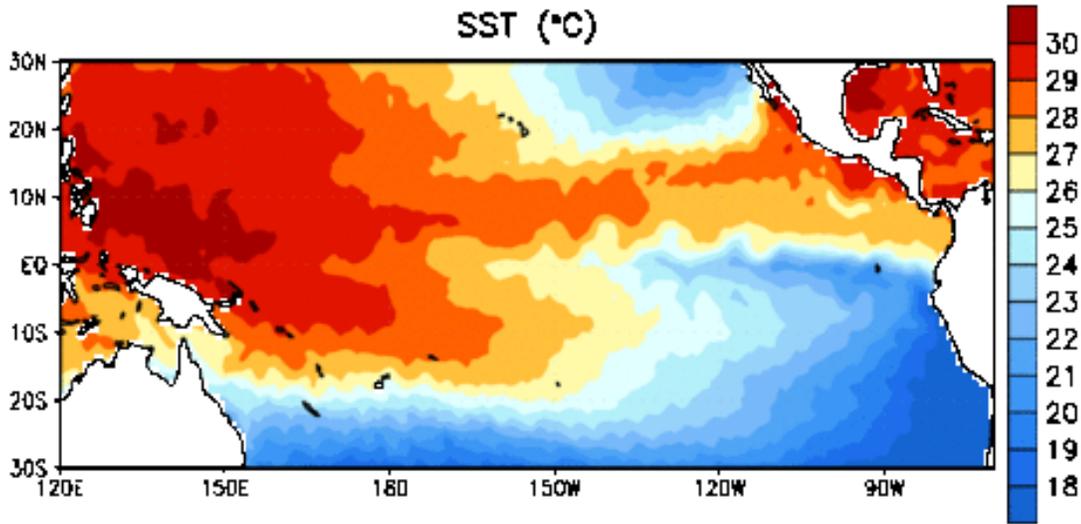




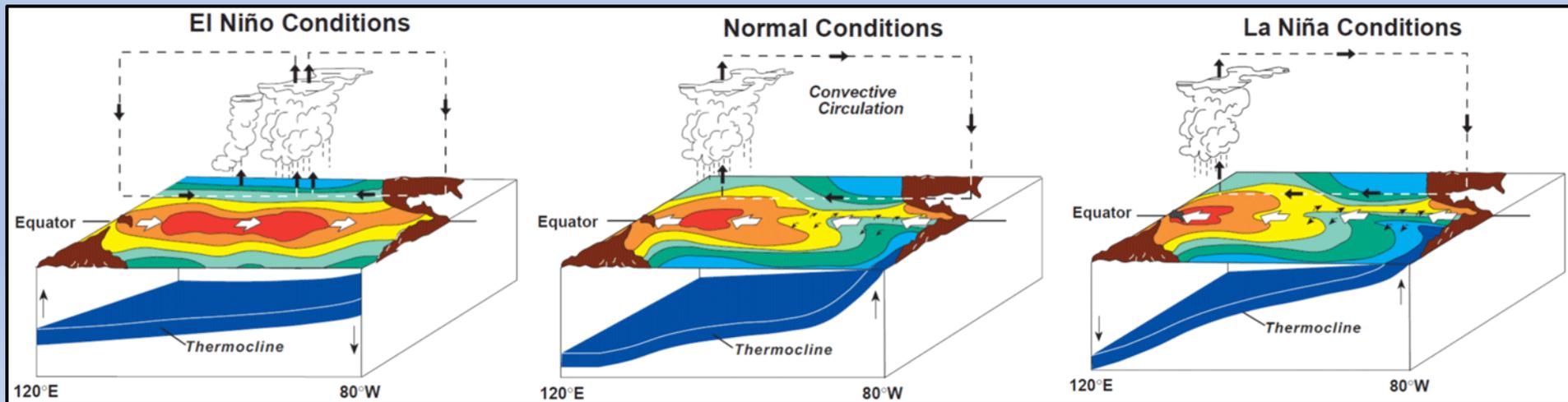
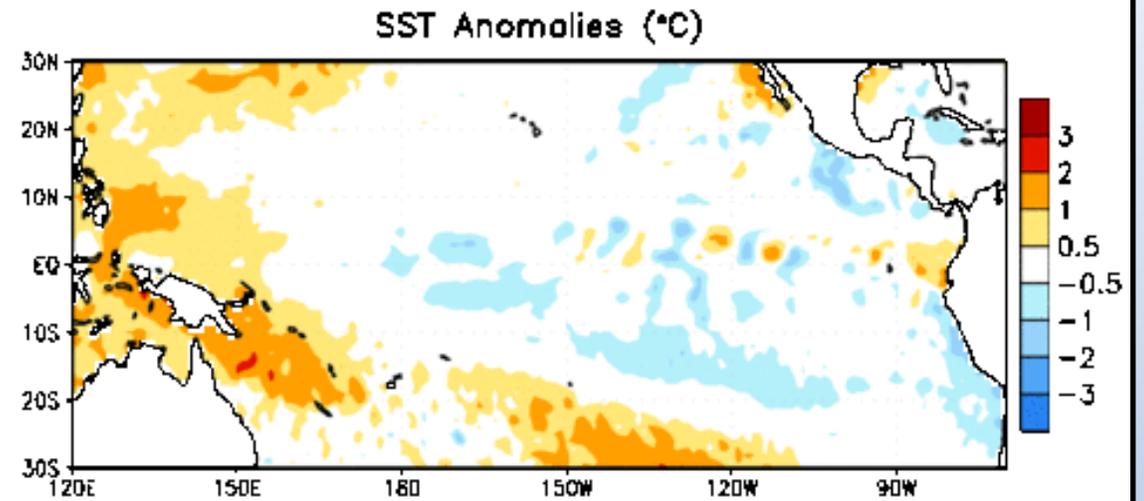
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Week centered on 01 SEP 2021
SST (°C)

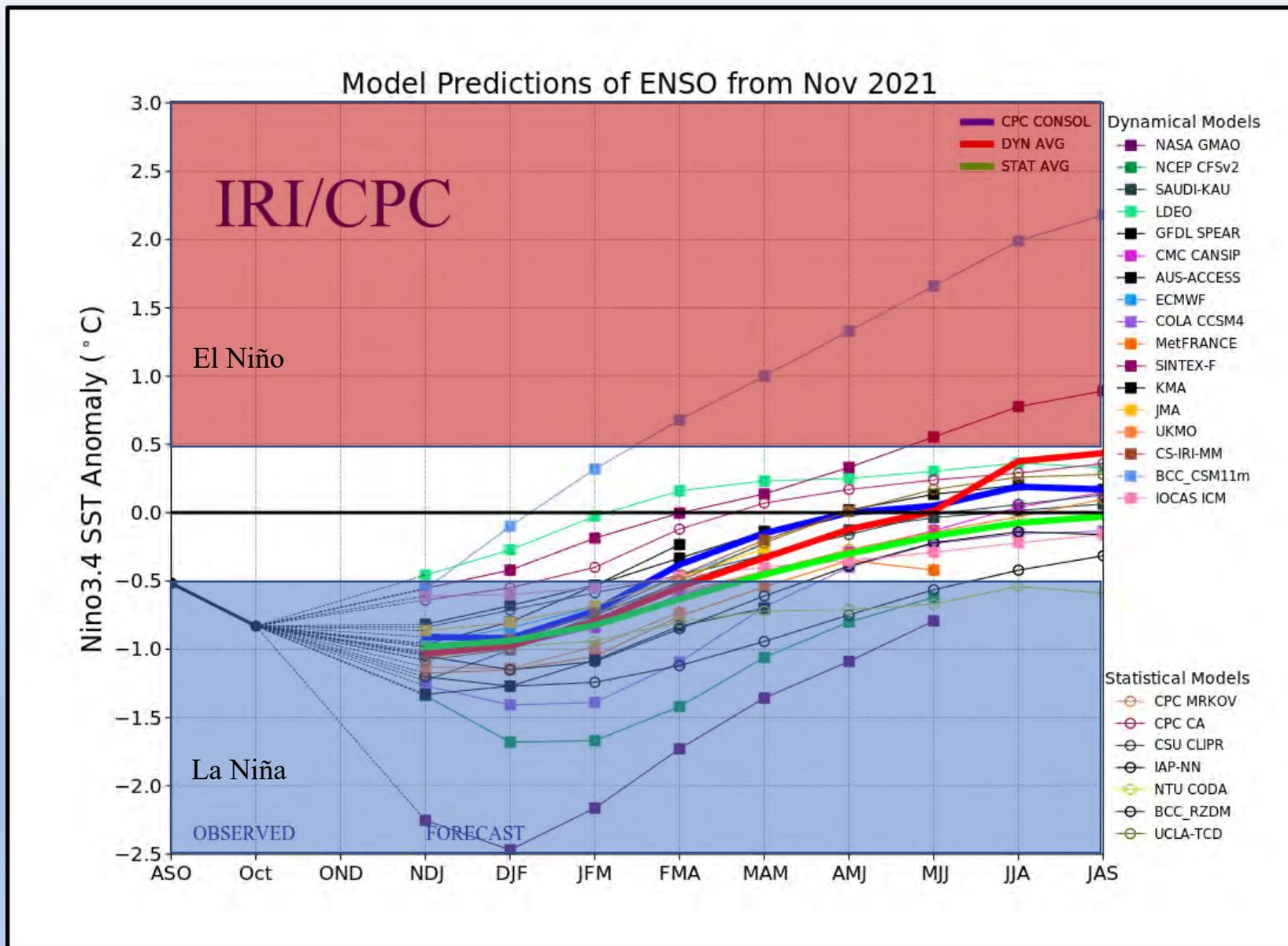


Week centered on 01 SEP 2021
SST Anomalies (°C)





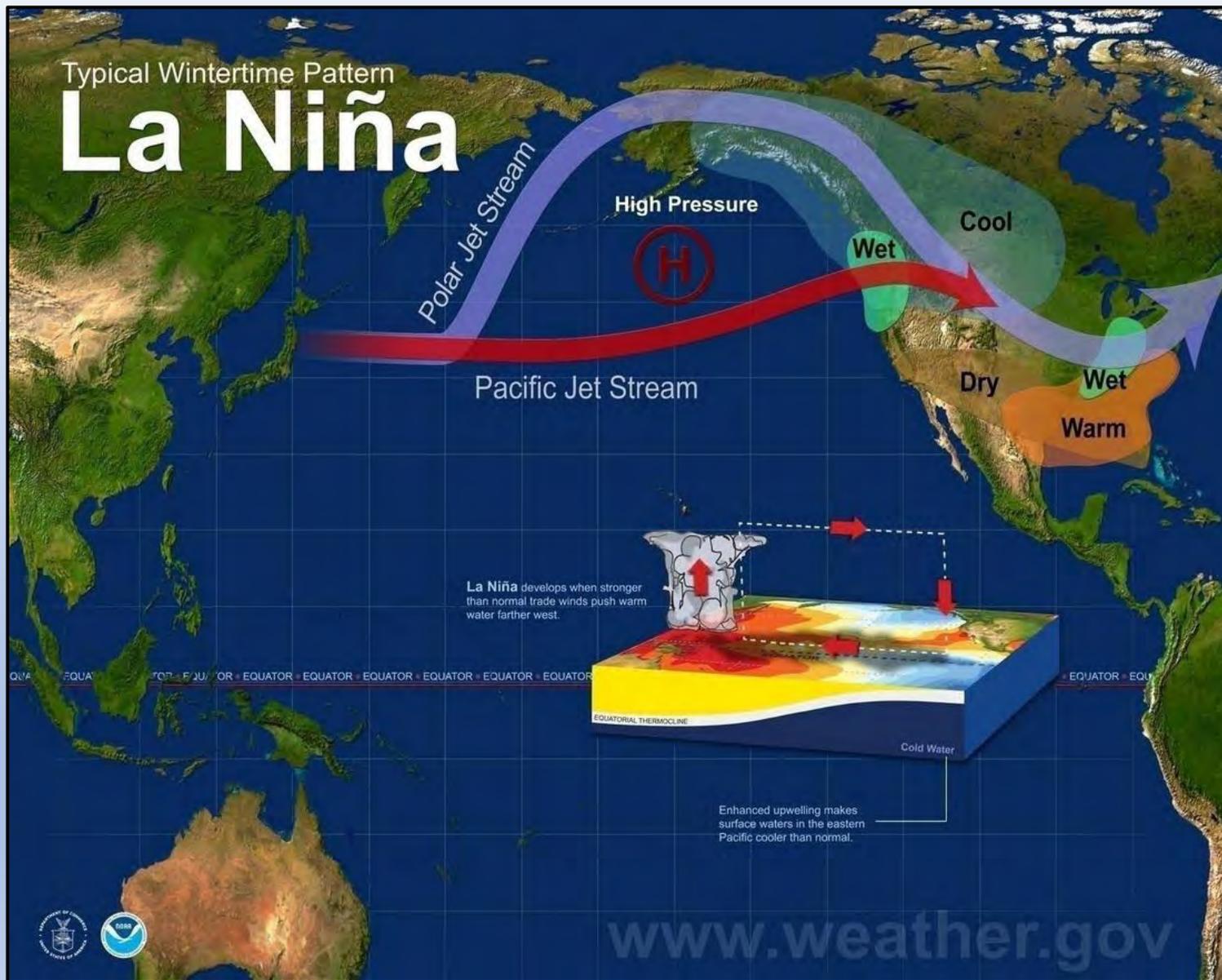
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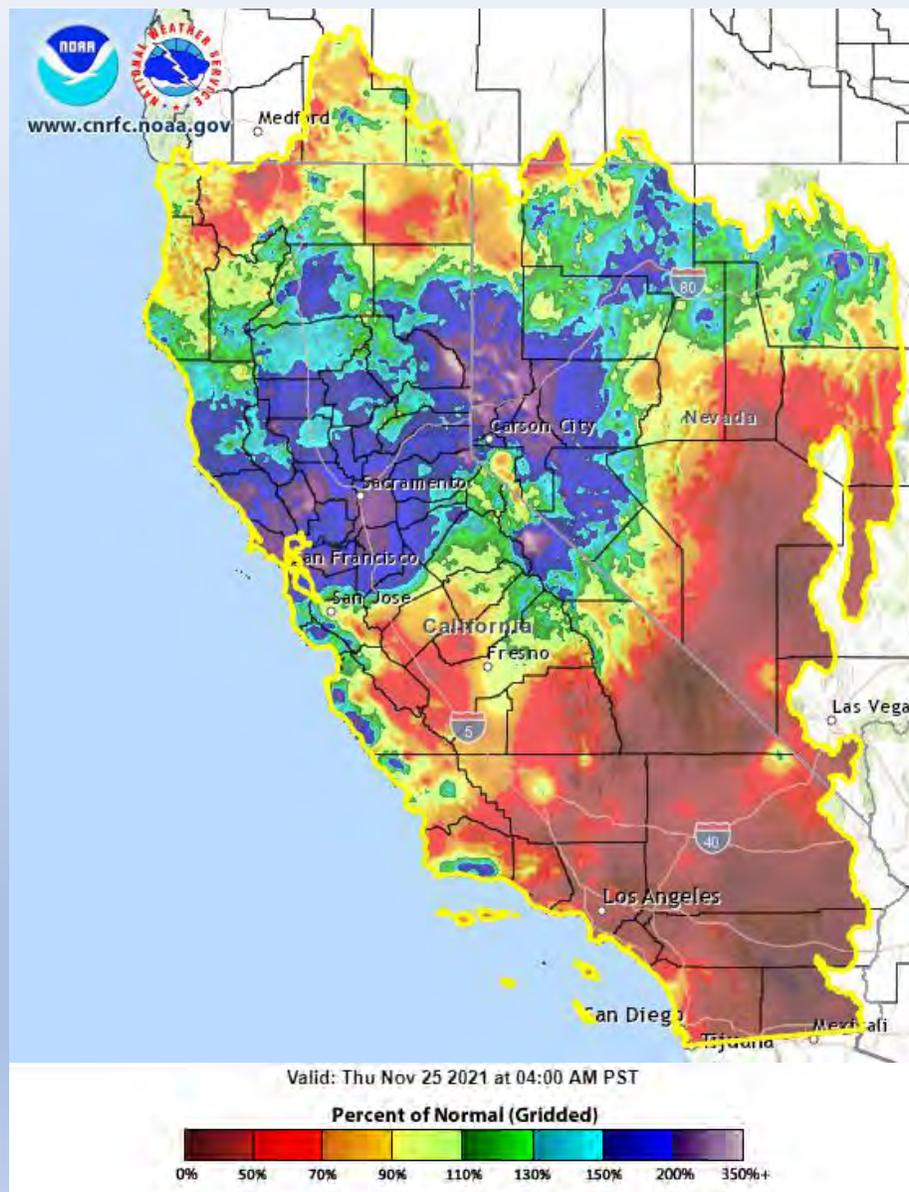
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La Niña Advisory





Water Year 2022...so far





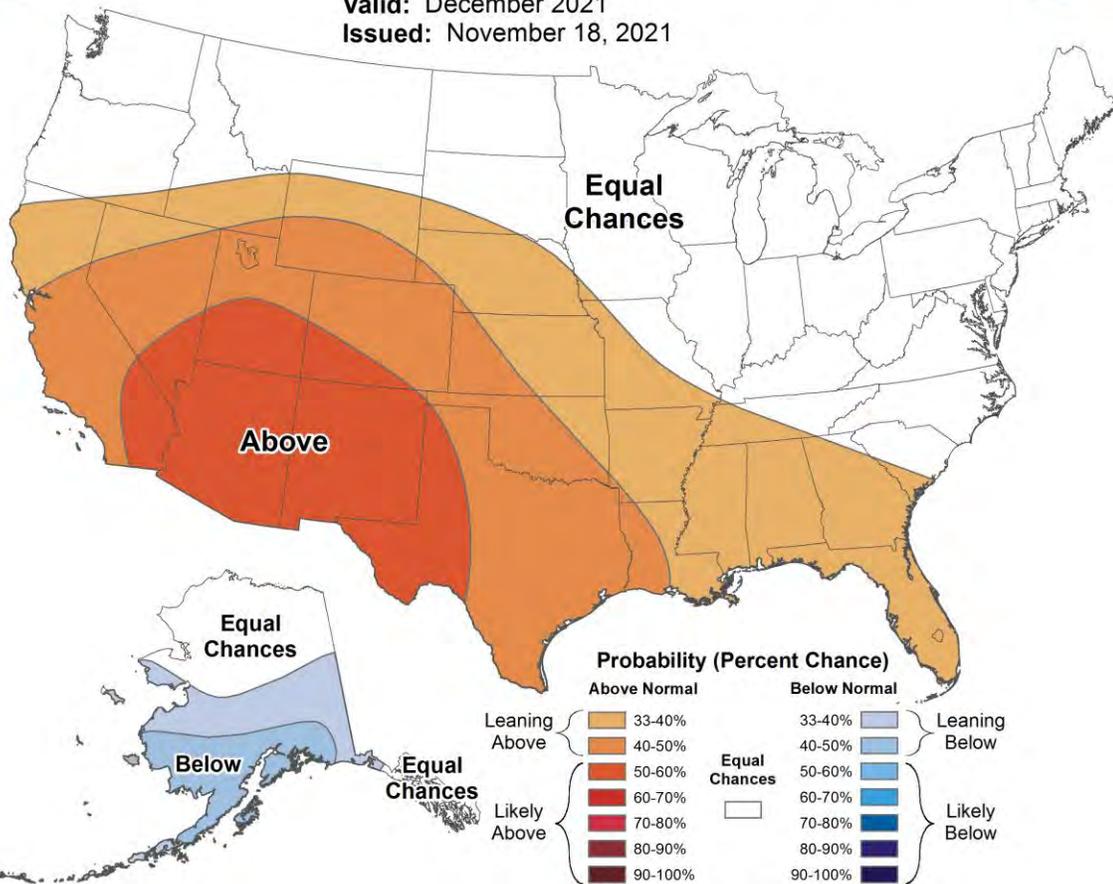
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Monthly Temperature Outlook



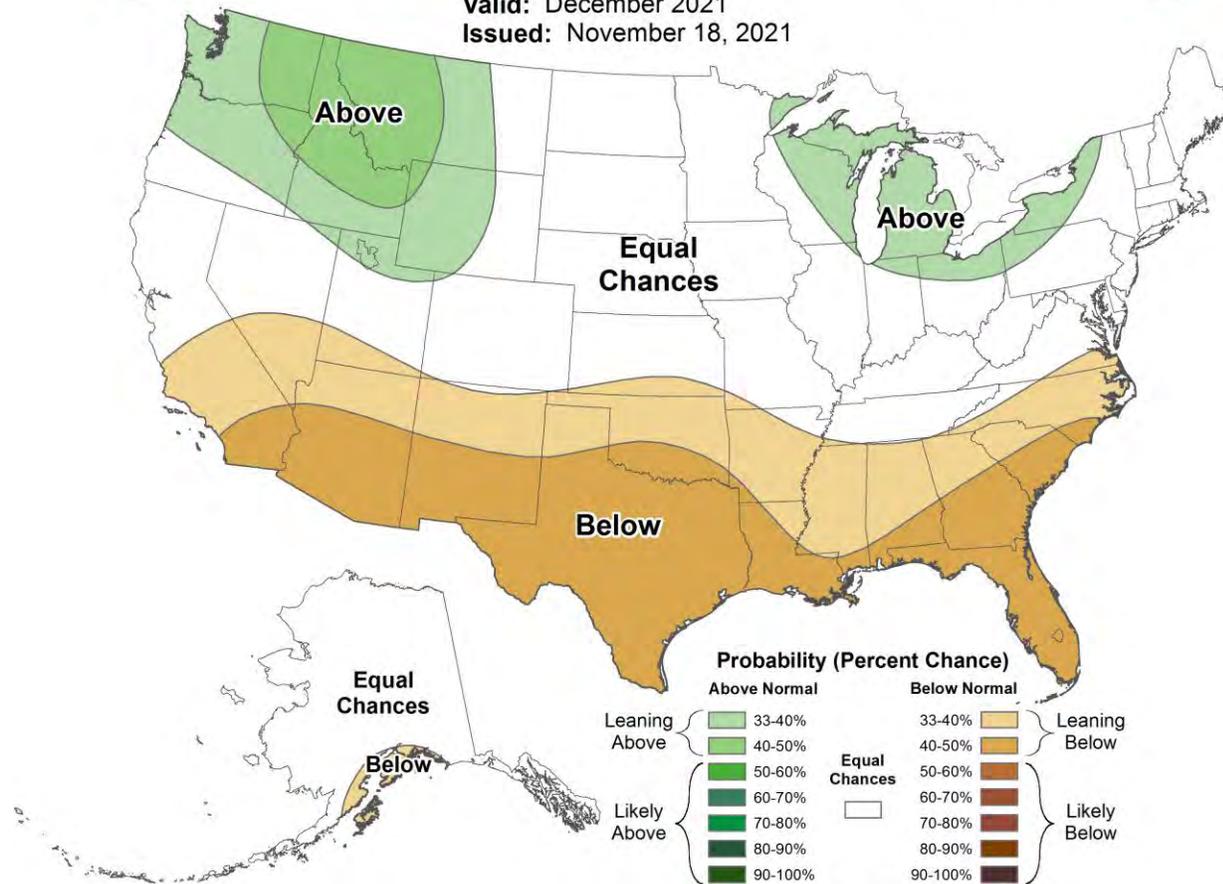
Valid: December 2021
Issued: November 18, 2021



Monthly Precipitation Outlook



Valid: December 2021
Issued: November 18, 2021





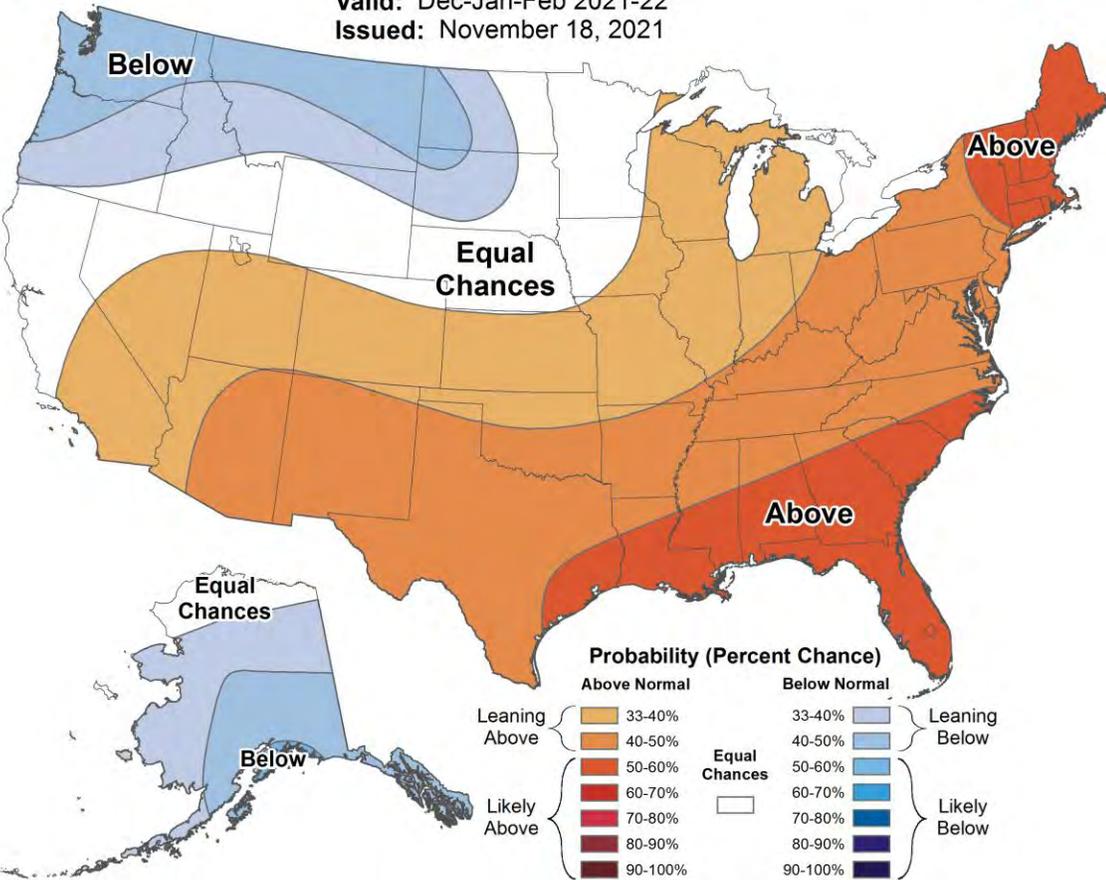
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Seasonal Temperature Outlook



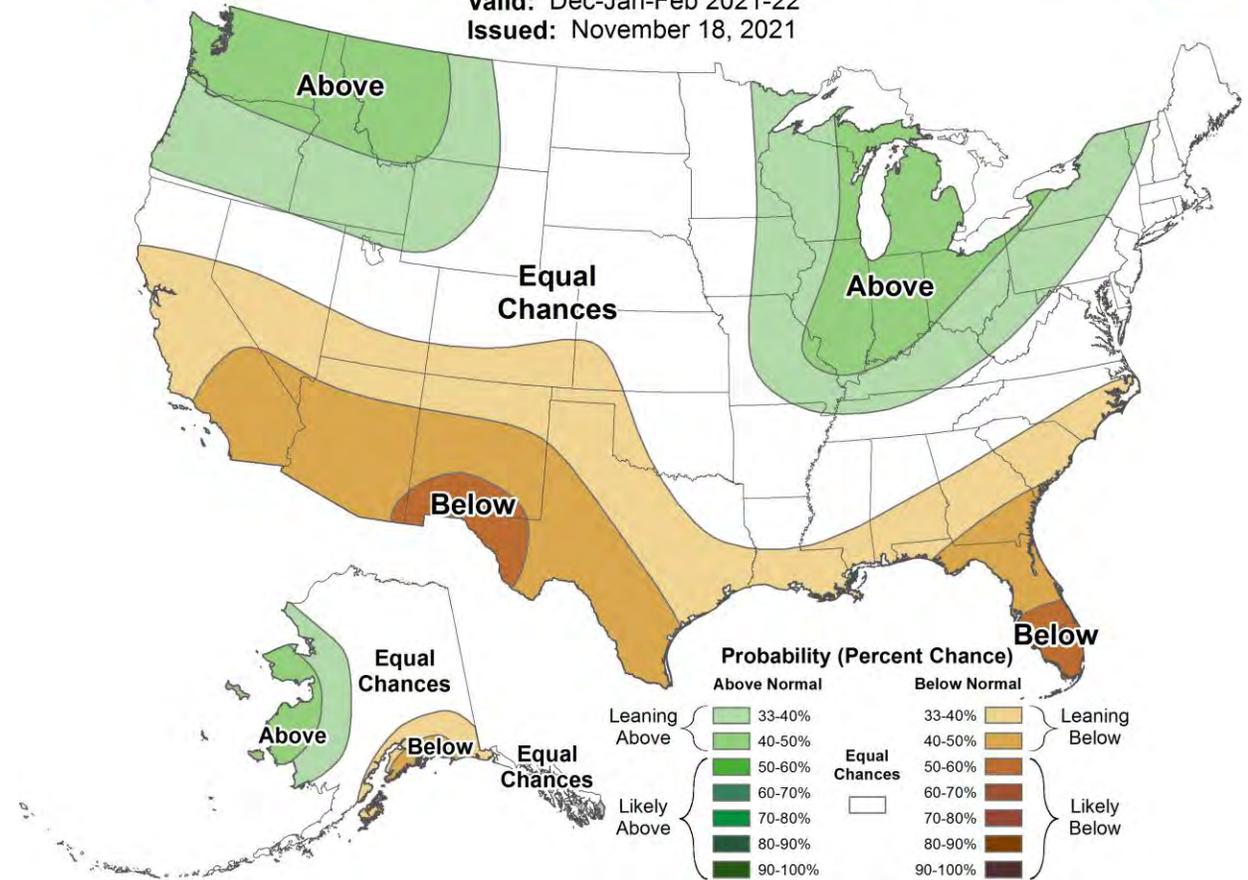
Valid: Dec-Jan-Feb 2021-22
Issued: November 18, 2021



Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2021-22
Issued: November 18, 2021





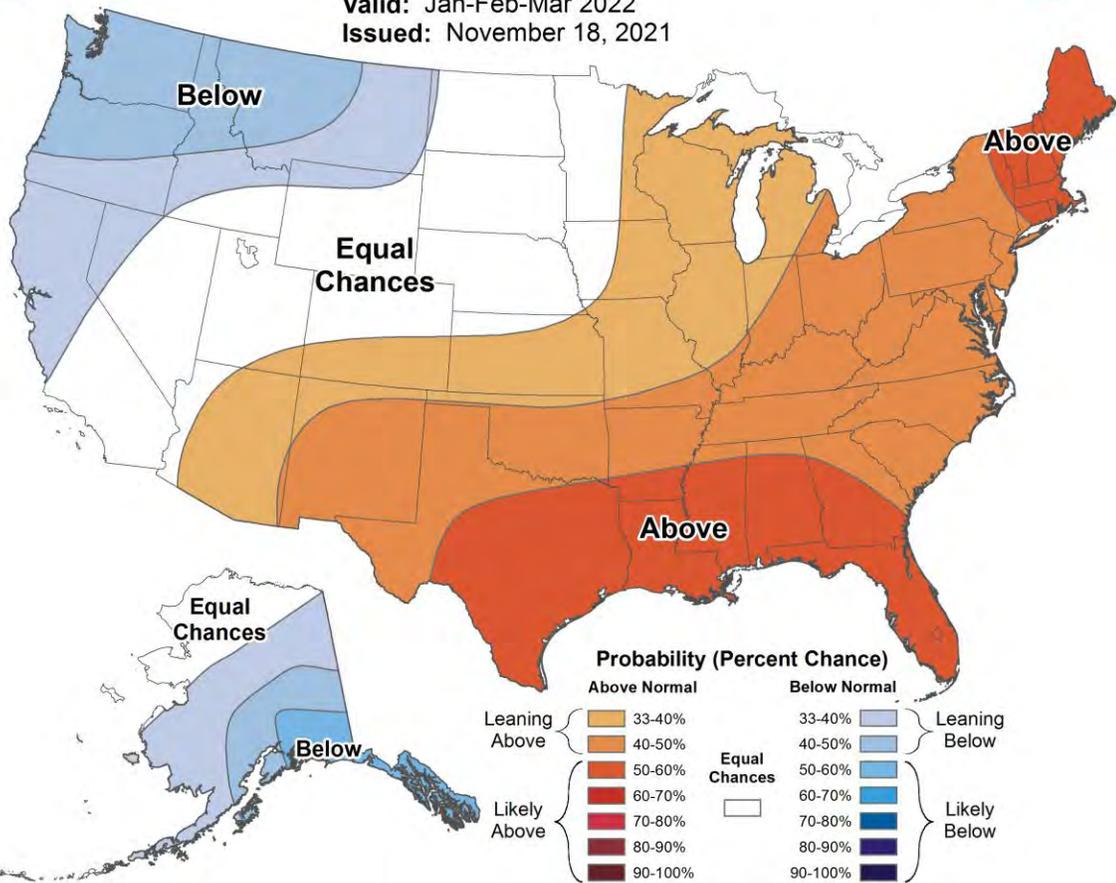
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Seasonal Temperature Outlook



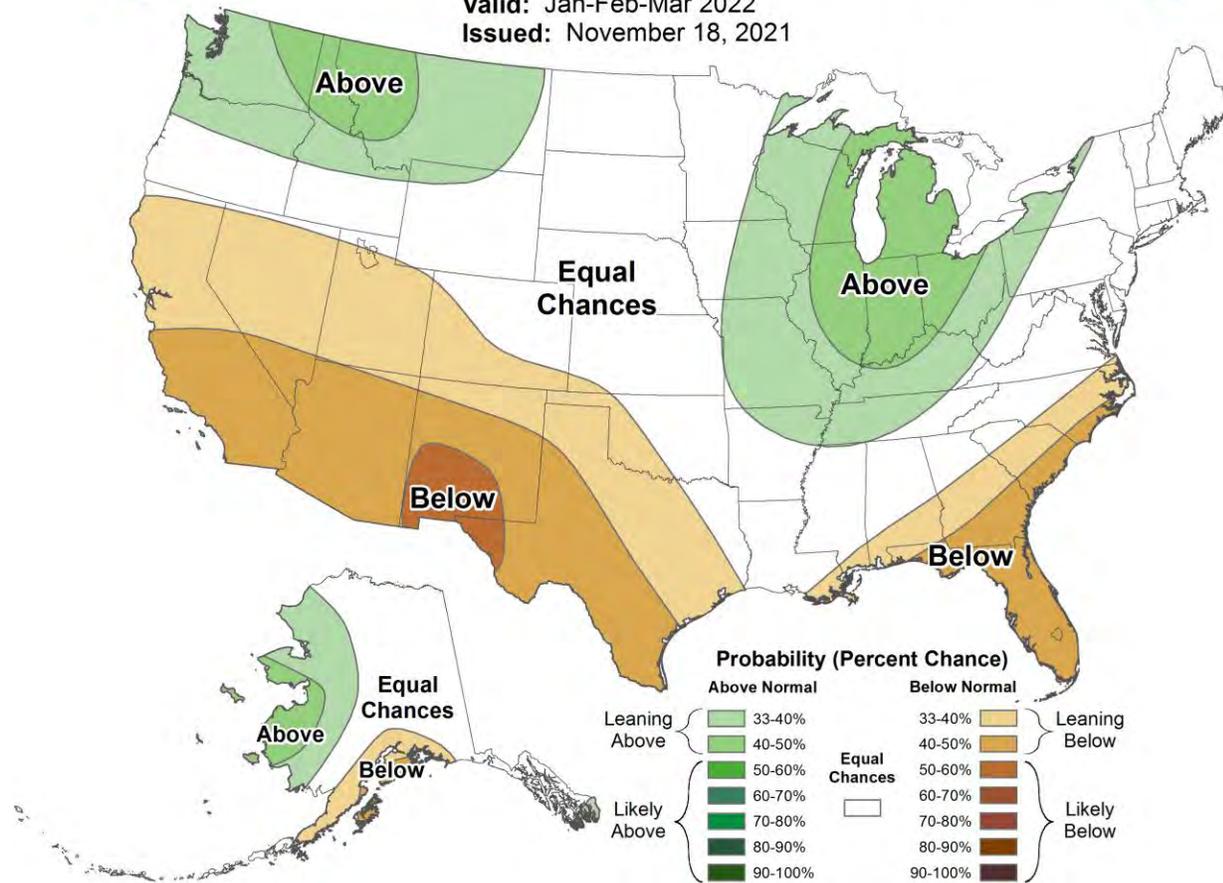
Valid: Jan-Feb-Mar 2022
Issued: November 18, 2021



Seasonal Precipitation Outlook



Valid: Jan-Feb-Mar 2022
Issued: November 18, 2021





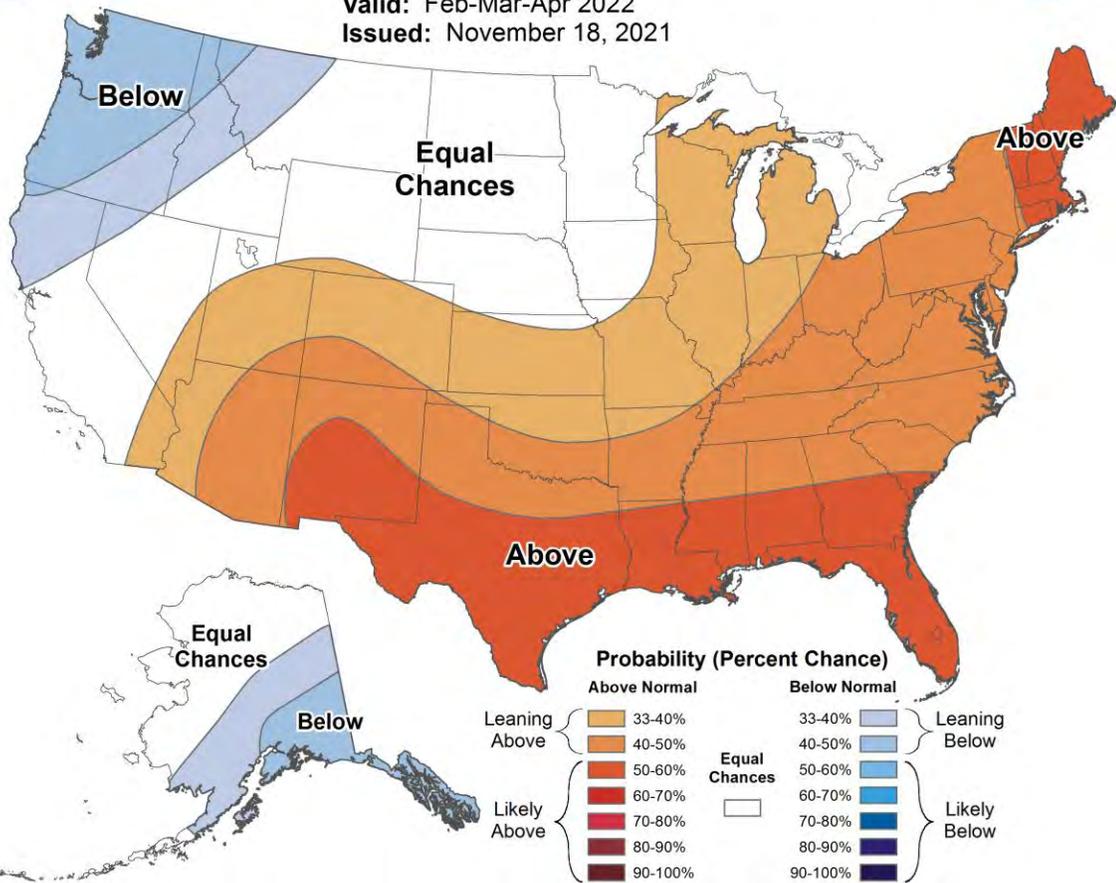
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Seasonal Temperature Outlook



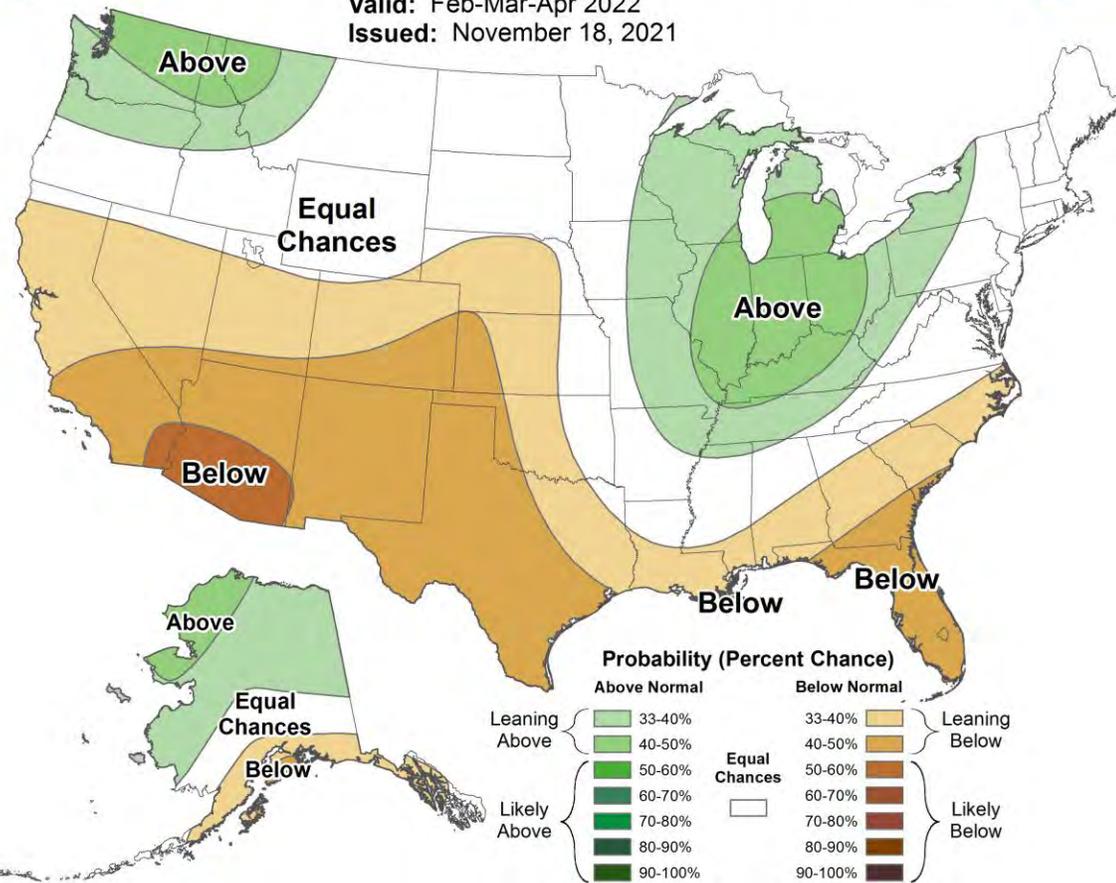
Valid: Feb-Mar-Apr 2022
Issued: November 18, 2021



Seasonal Precipitation Outlook



Valid: Feb-Mar-Apr 2022
Issued: November 18, 2021





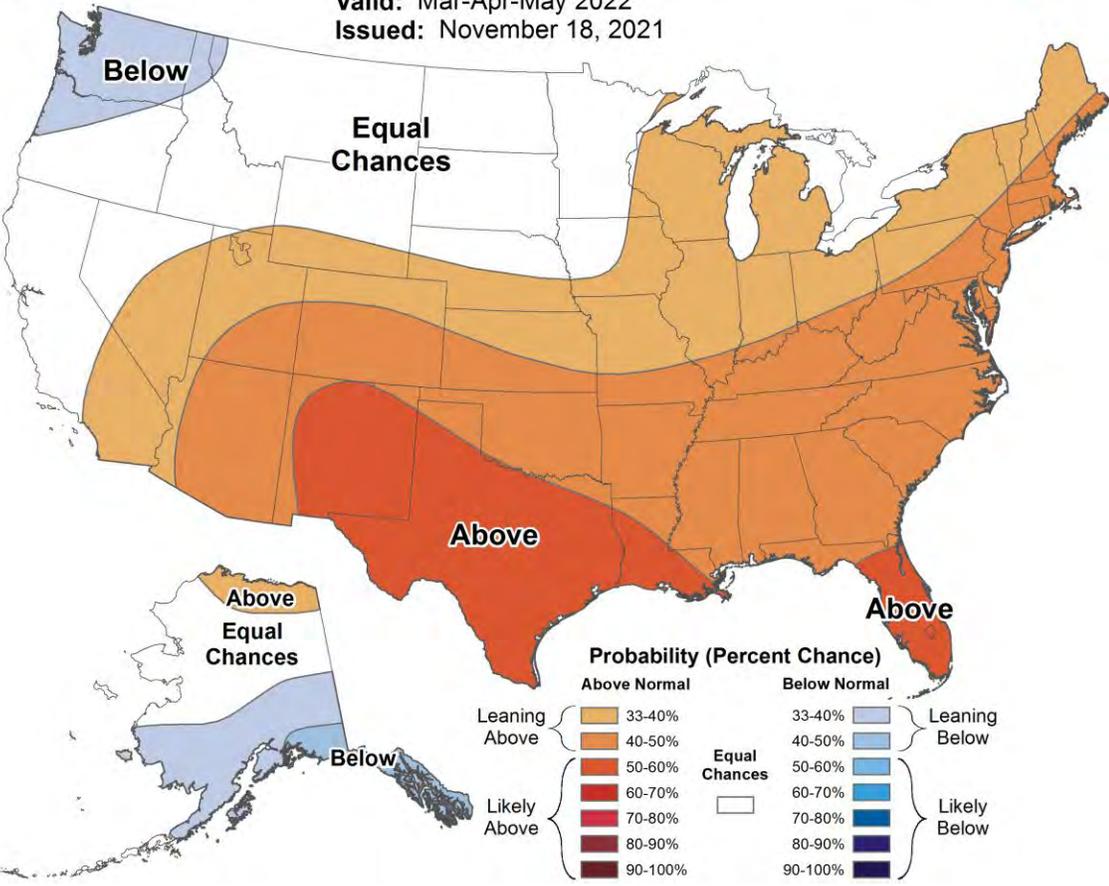
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Seasonal Temperature Outlook



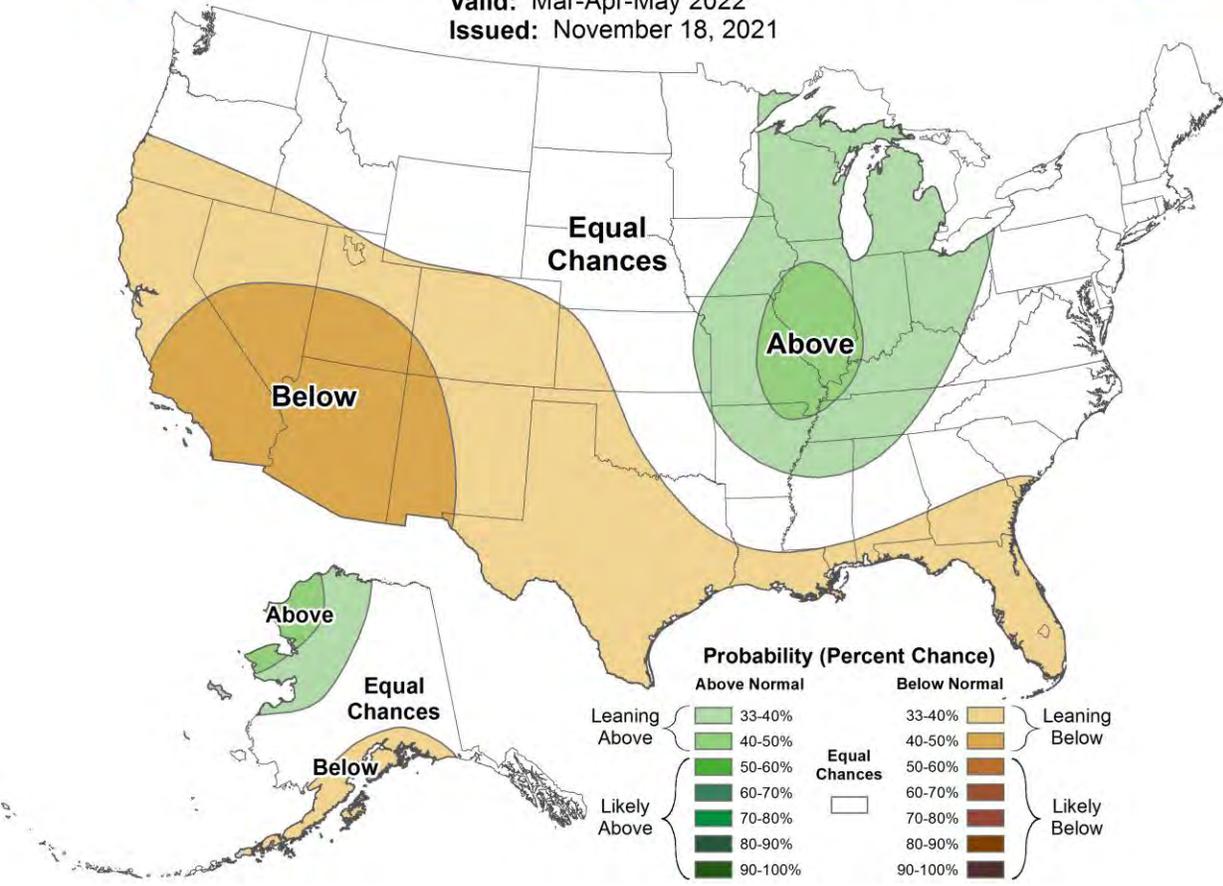
Valid: Mar-Apr-May 2022
Issued: November 18, 2021



Seasonal Precipitation Outlook



Valid: Mar-Apr-May 2022
Issued: November 18, 2021





National Weather Service Winter Outlook 2021/2022



Tools You Can Use

- NWS Webpages
- Social Media
- Email Briefings
- iNWS



Tools



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Wet Weather Pattern in the West; Severe Storms in the Eastern U.S.

A number of Pacific storm systems will bring excessive rainfall, strong winds, and mountain snow to the West U.S. These systems may cause burn scar flooding impacts. Severe thunderstorms may impact the Ohio/Tennessee Valleys into Central/Southern Appalachians, and a portion of west Texas on Thursday. [Read More >](#)

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San Francisco Bay Area, CA

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Click a location below for detailed forecast.



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- [Flash Flood Watch](#) (Green)
- [Gale Warning](#) (Purple)
- [Small Craft Advisory](#) (Pink)
- [Special Weather Statement](#) (Yellow)

Last Map Update: Wed, Oct. 20, 2021 at 10:21:27 pm PDT



Tools



CALIFORNIA NEVADA RIVER FORECAST CENTER

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[2022 Tide Tables Available](#) - The 2022 tide tables are now available on our river forecast page.

[CNRFC Daily Briefing](#) - View a graphical summary of current & forecast weather & hydrologic conditions. Updated by 10 AM PT.

NORMAL

All River Guidance (Flood Forecast) Points Are Currently and Forecast to Remain Below Critical Stages

NORMAL

Recently-Issued CNRFC Text Products:

Text Product Description

(ID)

Date/Time Issued to Web



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CNRFC Boundary

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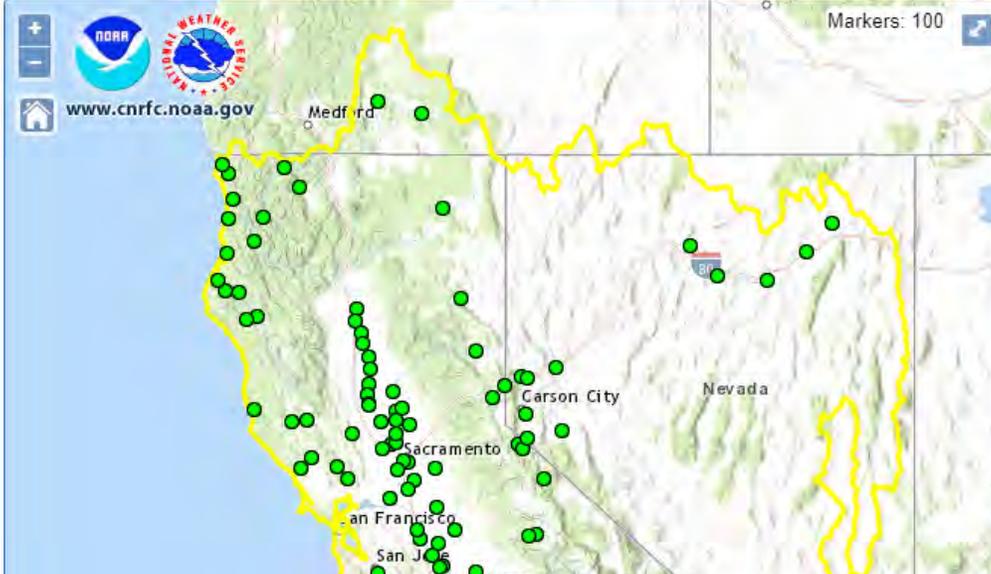
Rivers

Drainage Basins

National Parks

Burn Areas

2021 2020 2019 2018



- Rivers/Reservoirs
- Water Resources
- Snow Data
- Observed Precipitation (QPE)
- Forecast Precipitation (QPF)
- Observed Temperatures
- Forecast Temperatures
- Freezing Levels
- Flash Flood Guidance/Debris Flow
- Water Temperatures
- Climate/Drought
- QPF Verification
- Watches/Warnings/Advisories

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Tools



NWS Eureka ✓
@NWSEureka

Official Twitter account for the National Weather Service Eureka, California. Details: weather.gov/twitter

📍 Eureka, California 🌐 weather.gov/eureka 📅 Joined May 2012

210 Following 12K Followers

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NWS Bay Area ✓
@NWSBayArea

Official Twitter account for the National Weather Service San Francisco Bay Area. Details: weather.gov/twitter ✓

📍 San Francisco, CA 🌐 weather.gov/sanfrancisco/ 🕒 Born February 9, 1900 📅 Joined June 2012

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NWS Los Angeles ✓
@NWSLosAngeles

Official Twitter account for the National Weather Service Los Angeles. Details: weather.gov/twitter ✓

📍 Oxnard, CA 🌐 weather.gov/losangeles 📅 Joined June 2012

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Tools



Unsettled Weather Pattern Prevails

National Weather Service - SF Bay Area/Monterey

Issued: 3:00 PM PDT Tuesday, October 19, 2021

Point of Contact: NWS Operations (24/7) EM: 831-656-1717 | Media: 831-656-1724

KEY POINTS

- Wind Advisory from 8 pm tonight lasting until 4 am Wednesday for gusty southerly winds along the coastline and in the valley's of the North Bay and Bay Area.
- Next chance for rain is Tuesday night into Wednesday morning as the next front pushes through
 - Strong southerly winds with the chance for Gale Force gusts over the waters
- Secondary system with more rain arriving Thursday
- Potential Atmospheric River next Sunday

CHANGES FROM PREVIOUS BRIEFING

Second Issuance. Wind Advisory tonight for gusty southerly winds in lower elevations of the Bay Area and North Bay.

CONFIDENCE AND DETAILS

Tuesday Night into Wednesday

HIGH Confidence

- Strong and gusty southerly winds tonight along the coastline and around the valley's of the North Bay and Bay Area.
- Widespread rain from the North Bay down the Central Coast

MODERATE Confidence

- Timing: Rain will likely approach the North Bay late Tuesday night, reaching the Central Coast early Wednesday morning
- Higher rainfall totals compared to this past weekend's rain



Tools

inws.ncep.noaa.gov/

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National Weather Service Mobile Decision Support Services (MDSS)

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InteractiveNWS (iNWS) is the home of new mobile and desktop innovations of the National Weather Service. This application suite allows NWS partners to receive National Weather Service products in new and innovative ways, such as text messaging and mobile-enabled webpages. iNWS strives to fulfill our mission of protecting life and property by using technology to reach out to our customers.

Recent News

Note: If you are receiving alerts, but never signed up for them, they may be coming from a new FEMA public system called the Wireless Emergency Alerts (WEA). More information can be found at [Wireless Emergency Alerts Consumer Guide](#)

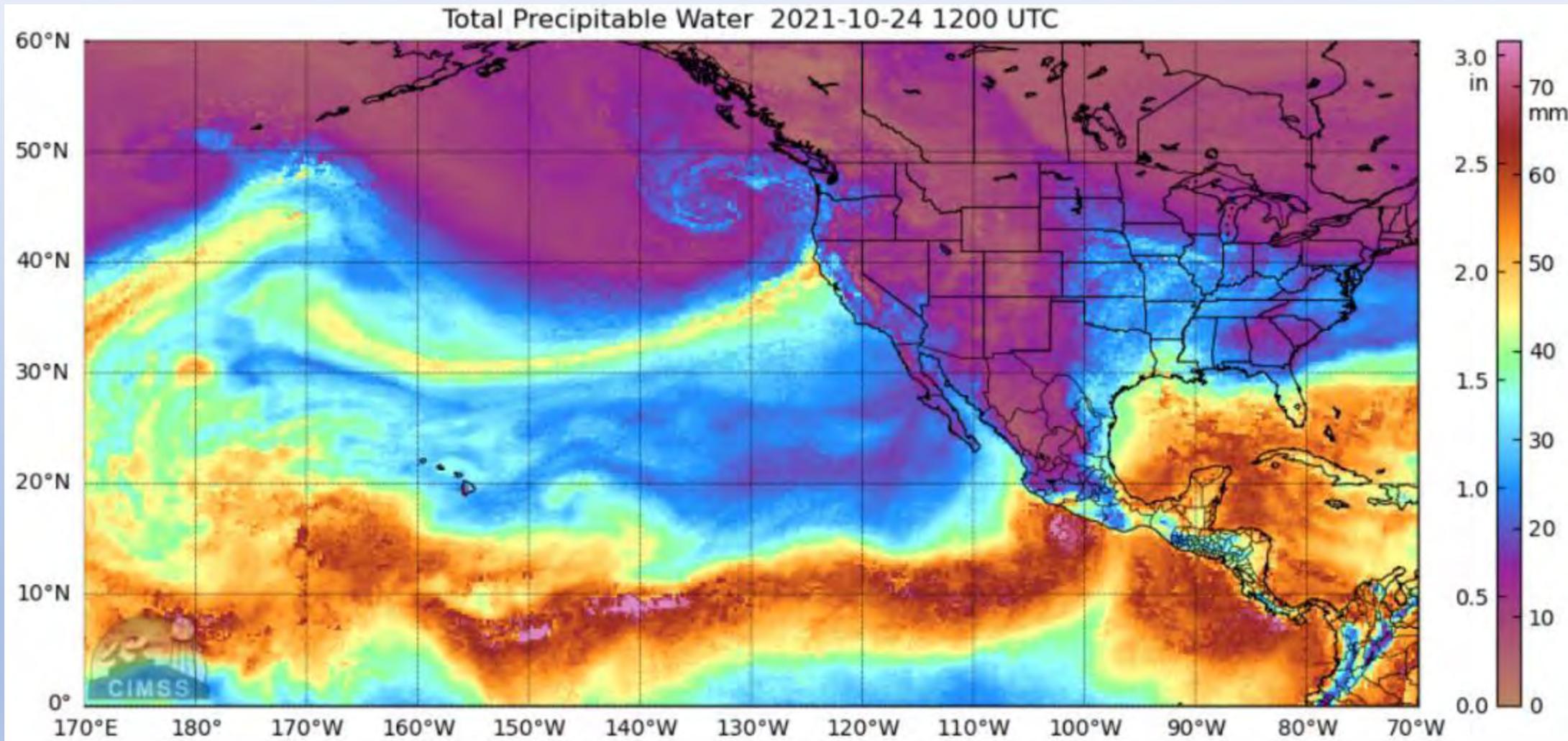
iNWS is an experimental service intended for NWS core partners: emergency managers, community leaders, other government agencies and the electronic media.

DOC | NOAA | National Weather Service - iNWS Version 6.5.2

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Atmospheric Rivers or Pineapple Express



Atmospheric Rivers



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Press Democrat