Great Basin
Seasonal Outlook
October 2022 – January 2023

Basil Newmerzhycky   Shelby Law
Gina Palma
10 Hour Fuel Moisture

Obs. or Computed 10-Hour FM: 30-Sep-22

LEGEND
- Reporting Weather Stations
- 1-2%
- 3-4%
- 5-6%
- 6-10%
- 11-15%
- 16-20%
- 21-25%
- >25%
- Water

(WFAS-MAPS Graphics  FIRE BEHAVIOR RESEARCH  MISSOULA, MT)
100 Hour Fuel Moisture

Obs. 100-Hour FM: 30-Sep-22

LEGEND

- ▲ Reporting Weather Stations
- <= 5% - Red
- 6-10% - Orange
- 11-15% - Yellow
- > 15% - Green
- Water - Blue

(WFAS-MAPS Graphics  FIRE BEHAVIOR RESEARCH  MISSOULA, MT

(Inv. Dist. Interp.)
Predictive Service Areas

87 / 87 (100%) of graphs loaded
Projected Pounds Per Acre, Annual Herbaceous Component

Projected Pounds Per Acre
50 lbs/ac  1500 lbs/ac
Soil Moisture

Calculated Soil Moisture Anomaly (mm)
SEP 29, 2022

[Map of the United States showing soil moisture anomalies with color gradients indicating moisture levels.]
Drought Monitor and Outlook

Drought Monitor
September 29th, 2022

Drought Outlook
October 1st – December 31st, 2022

U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid for October 1 - December Released September

Consistency adjustment based on Monthly Drought Outlook for October 2022

KEY:
- Drought persists or intensifies
- Drought remains but improves
- Drought removal likely
- Drought development likely

Legend:
- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
Drought, Weather Fuels, Snowpack: What Happens From Here?
La Nina? El Nino? La Nada?

La Nina  El Nino

TOPEX/Poseidon 1997

Jason-2 2015

Sea Surface Height Anomalies in Millimeters
La Nina has been dominating the weather this winter, and this pattern is very close to what we’ve been observing the last 3 months, minus not as much wetness in the Pac NW.
NOAA CPC 8-14 Day Outlook (October 8th – 14th)

**Temperature**

**Precipitation**

[Temperature Map]

[Precipitation Map]
Predictive Services 4 Month Outlook: September - December 2022

- OCT
- NOV
- DEC
- JAN

TEMP ANOM

PRECIP ANOM

Cooler Periods
Putting the Pieces Together
Questions?

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