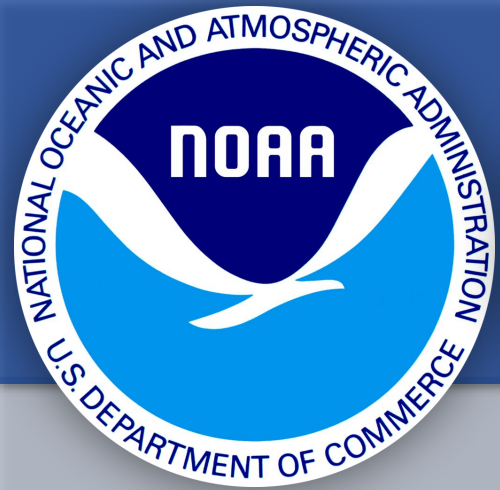


Item available for public inspection in the Clerk's office during regular business hours (Monday – Friday, 9 AM – 5 PM)

November 12, 2024 Regular Meeting

**Item #7a. -
Updated
Presentation**



NWS Reno 2024-25 Winter Outlook

Who Has a Crystal Ball Handy?

weather.gov/reno

Weather Forecast Office

Reno, NV

Tuesday, November 12

775-673-8100



Dawn Johnson

Warning Coordination

Meteorologist

National Weather Service

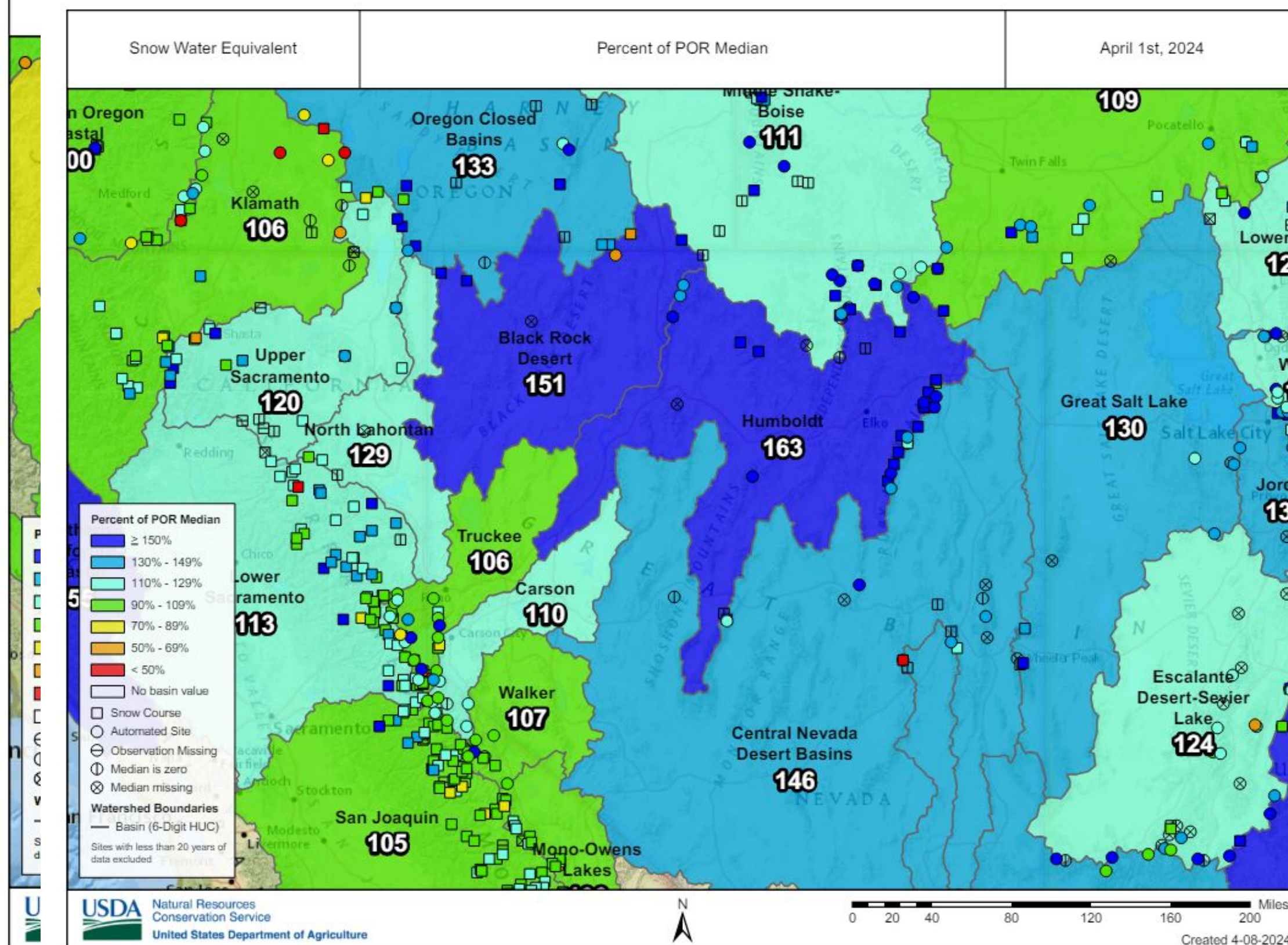
Reno, Nevada

dawn.johnson@noaa.gov



Look Back at '23-24: An Average Year of Extremes

Weather Forecast Office
Reno, NV
Tuesday, November 12



December



January



February



March

March is the new December.

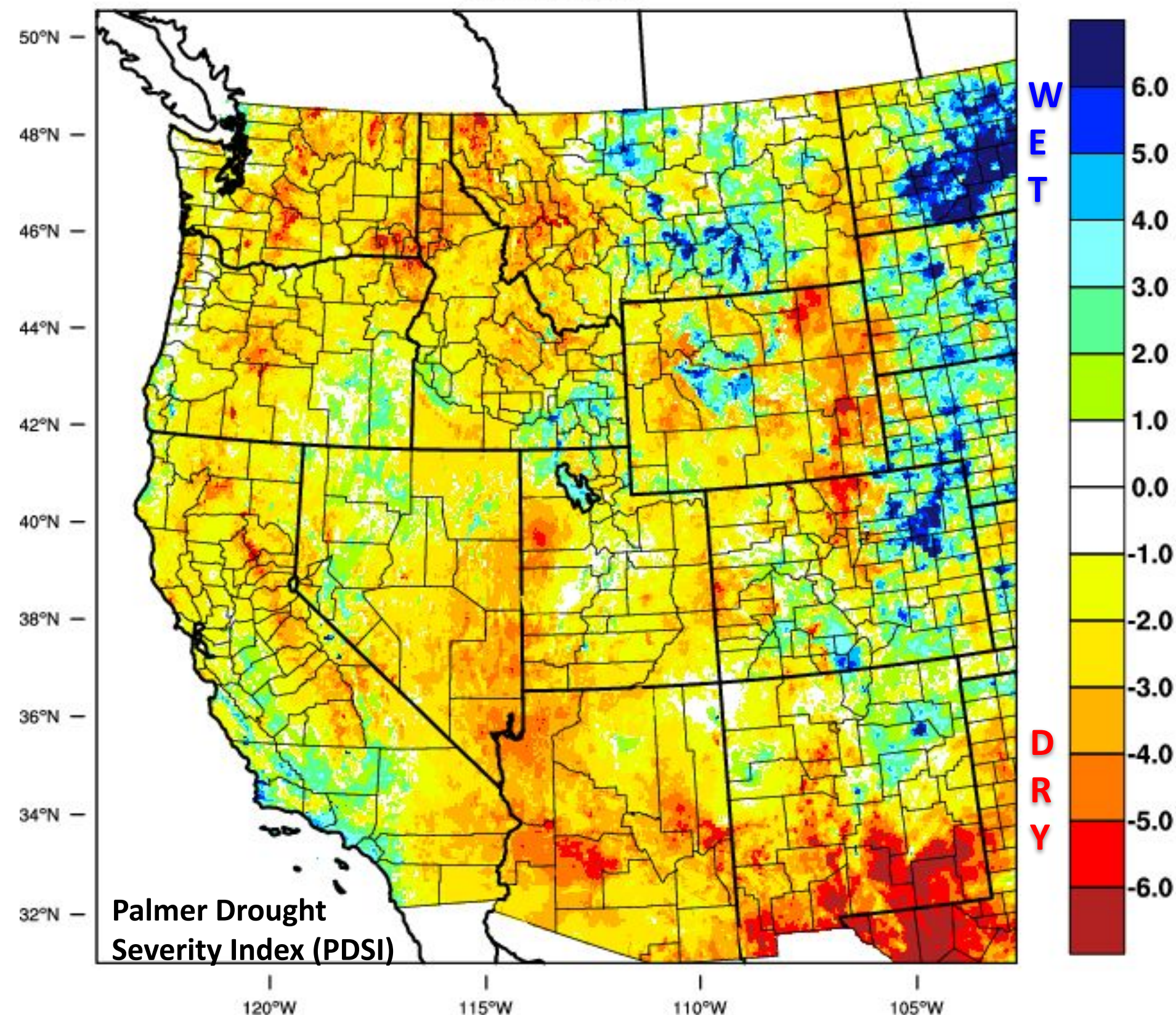


Drought Creeping Back In

Weather Forecast Office
Reno, NV
Tuesday, November 12

Western United States - PDSI

October 2024

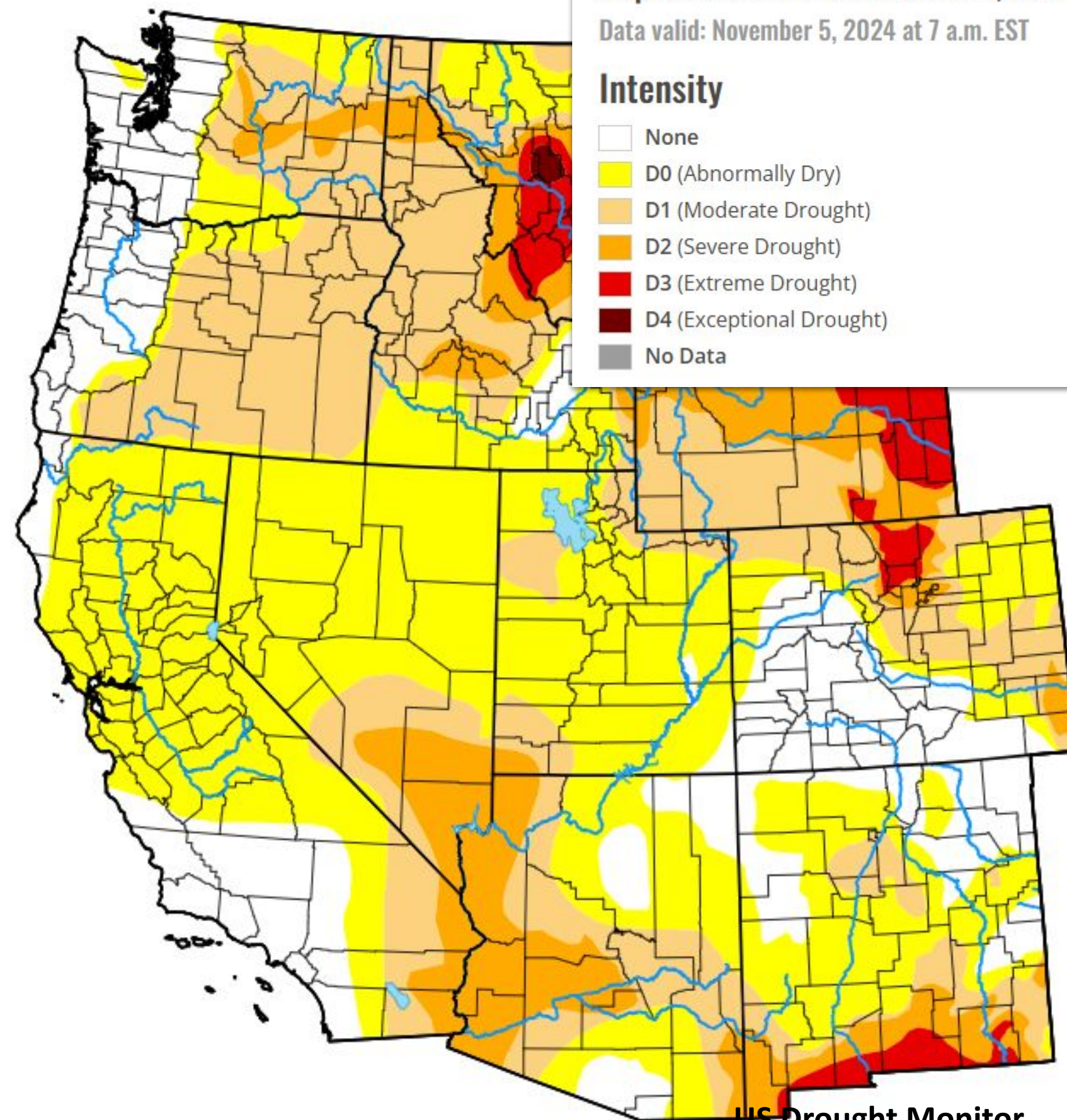


Map released: Thurs. November 7, 2024

Data valid: November 5, 2024 at 7 a.m. EST

Intensity

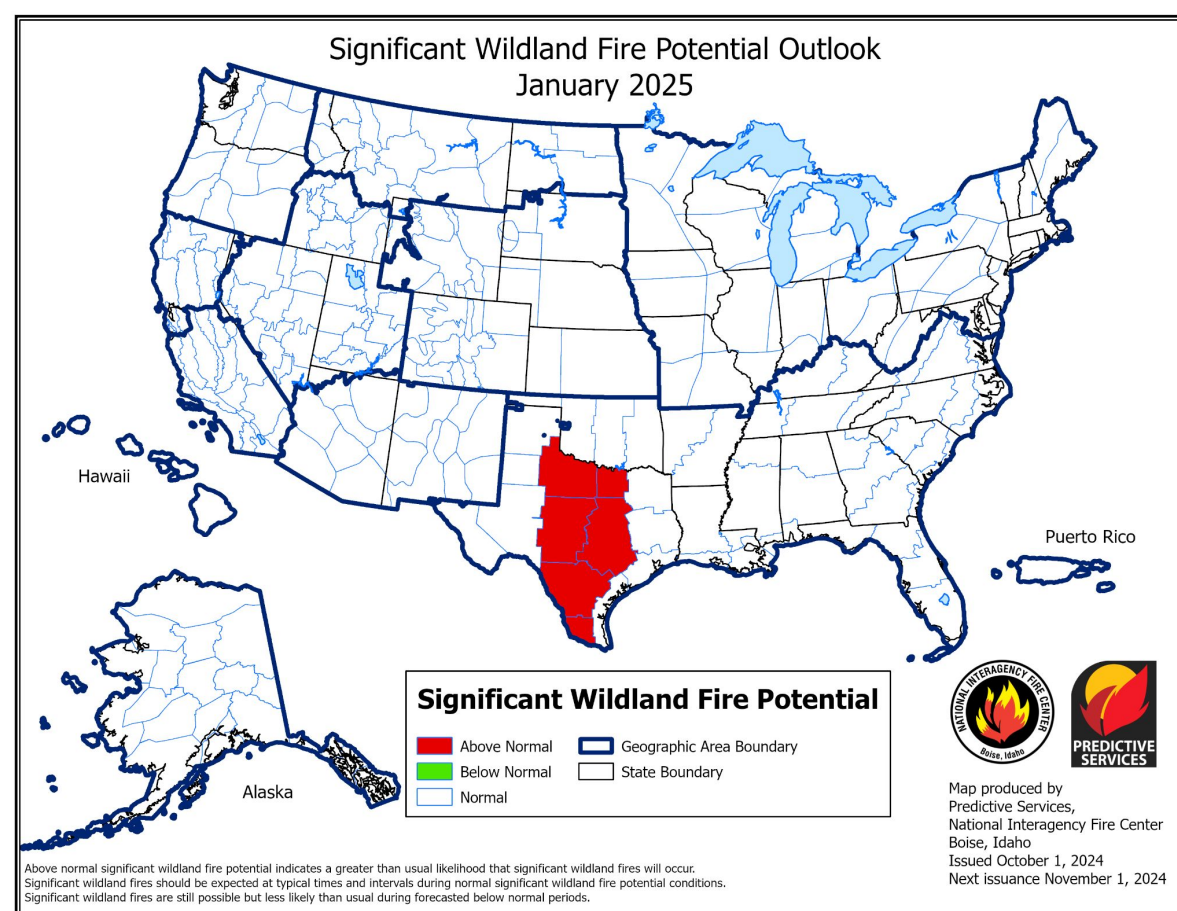
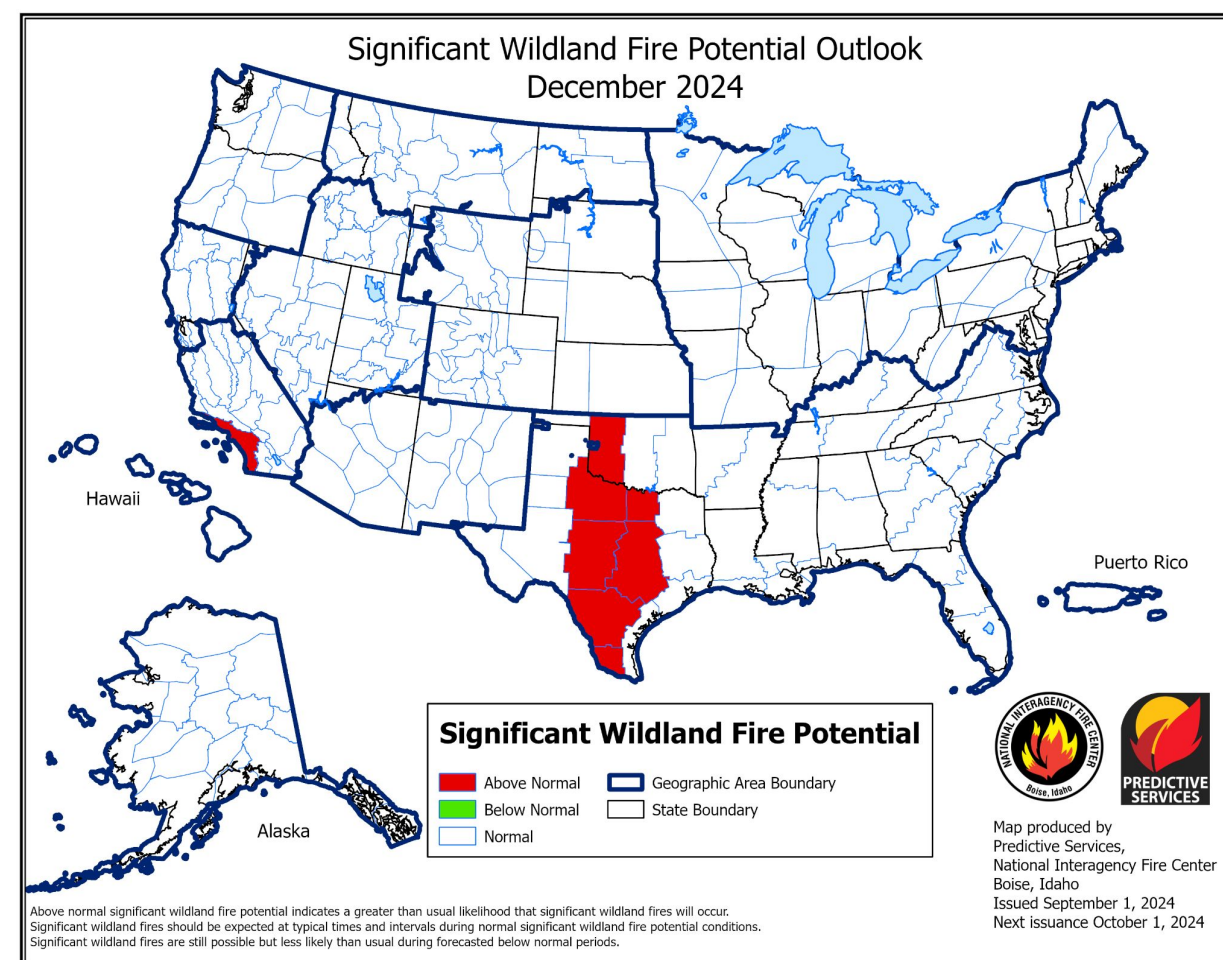
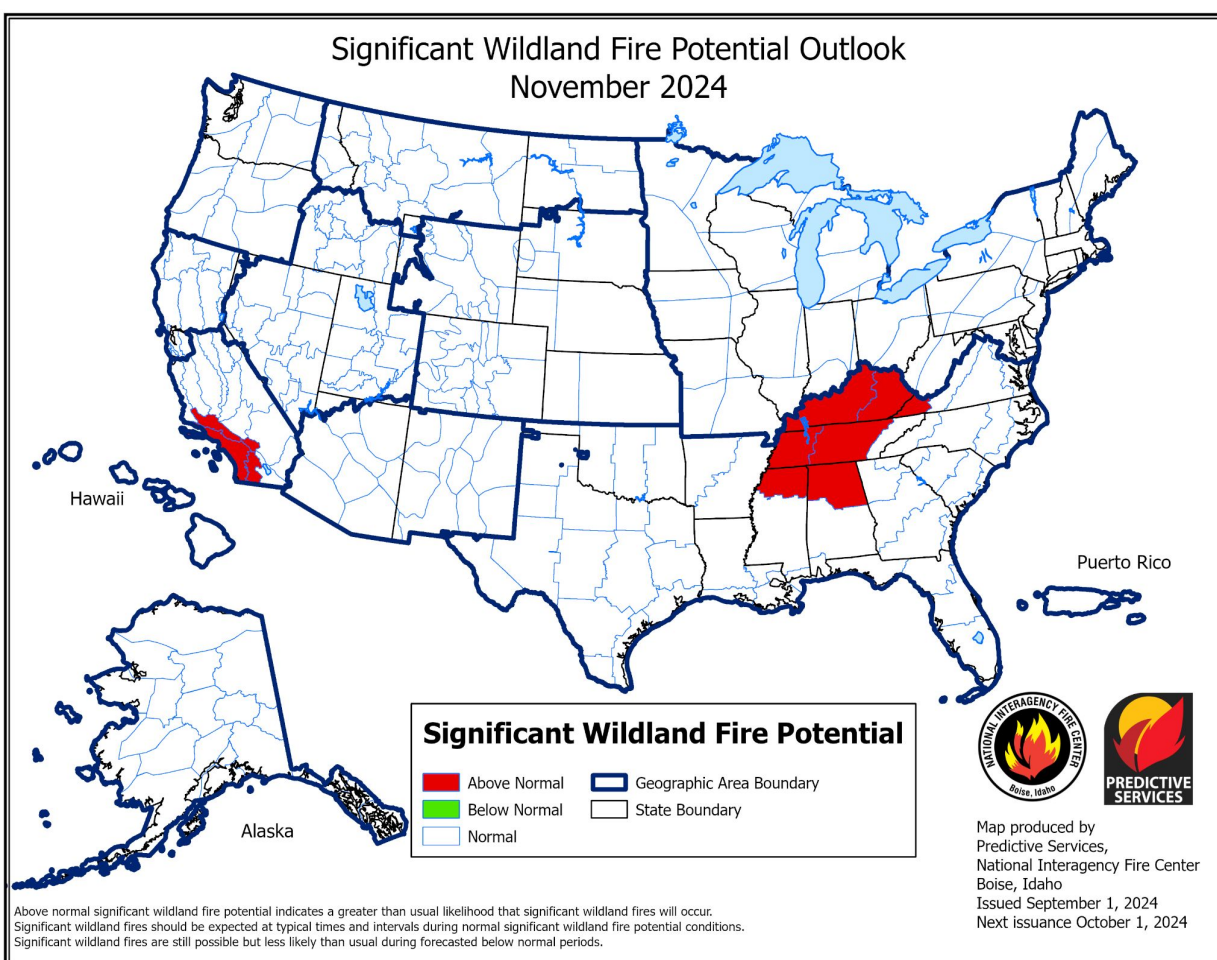
- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data





Fire Concerns Going into Fall

Weather Forecast Office
Reno, NV
Tuesday, November 12



The expectation is for normal risk both at the higher and lower elevations as we head into fall/winter.

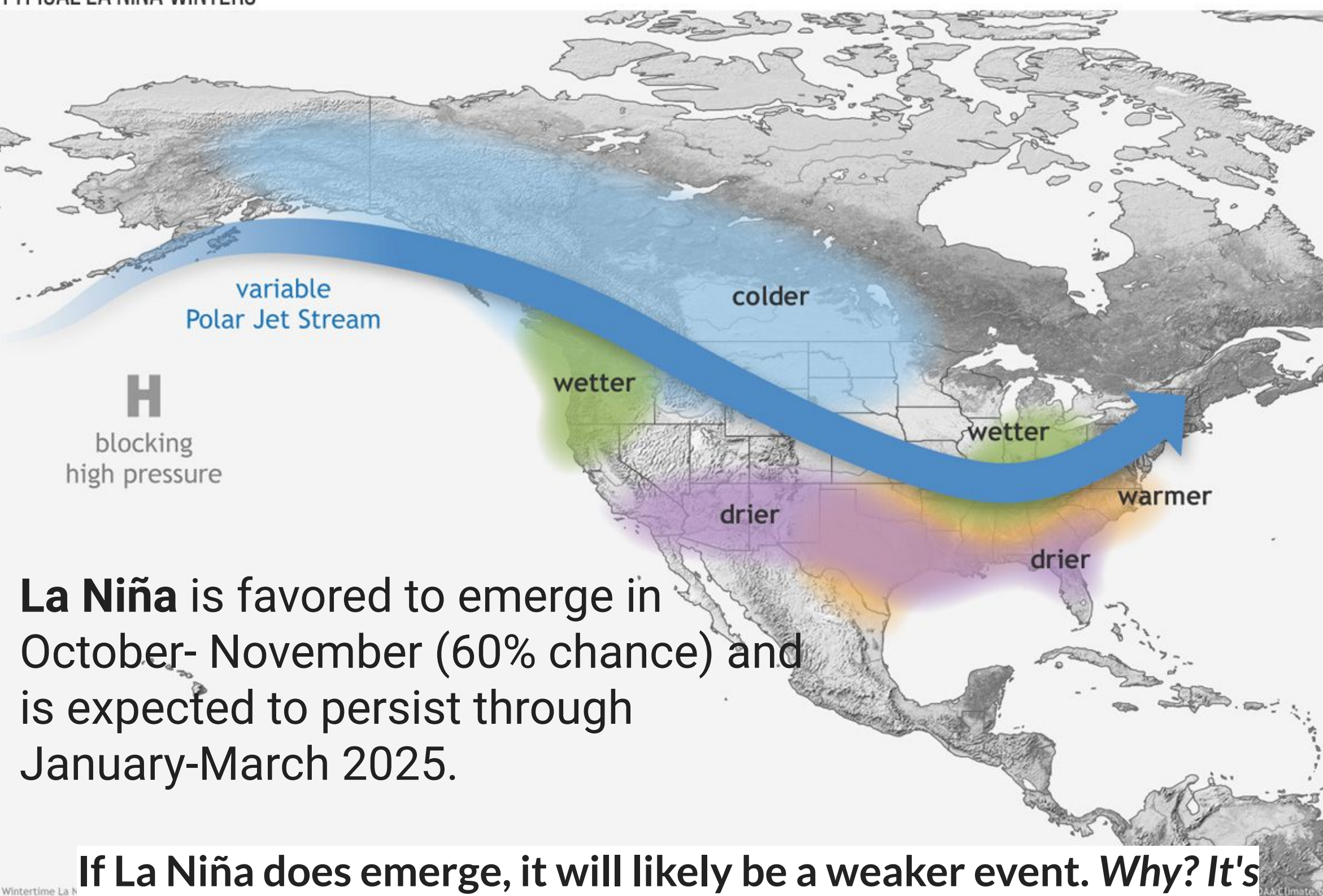
- To keep it real: How this fall evolves with rain/snow will determine the risk.



La Niña Is [Likely] Making a Return

Weather Forecast Office
Reno, NV
Tuesday, November 12

TYPICAL LA NIÑA WINTERS



La Niña is favored to emerge in October- November (60% chance) and is expected to persist through January-March 2025.

If La Niña does emerge, it will likely be a weaker event. *Why? It's getting late and it hasn't formed yet, meaning it doesn't have the positive feedbacks it needs from the ocean and atmosphere, needed for growth.*

Is is a low pressure system?



Is it an atmospheric river?



A series of atmospheric rivers?



DJF

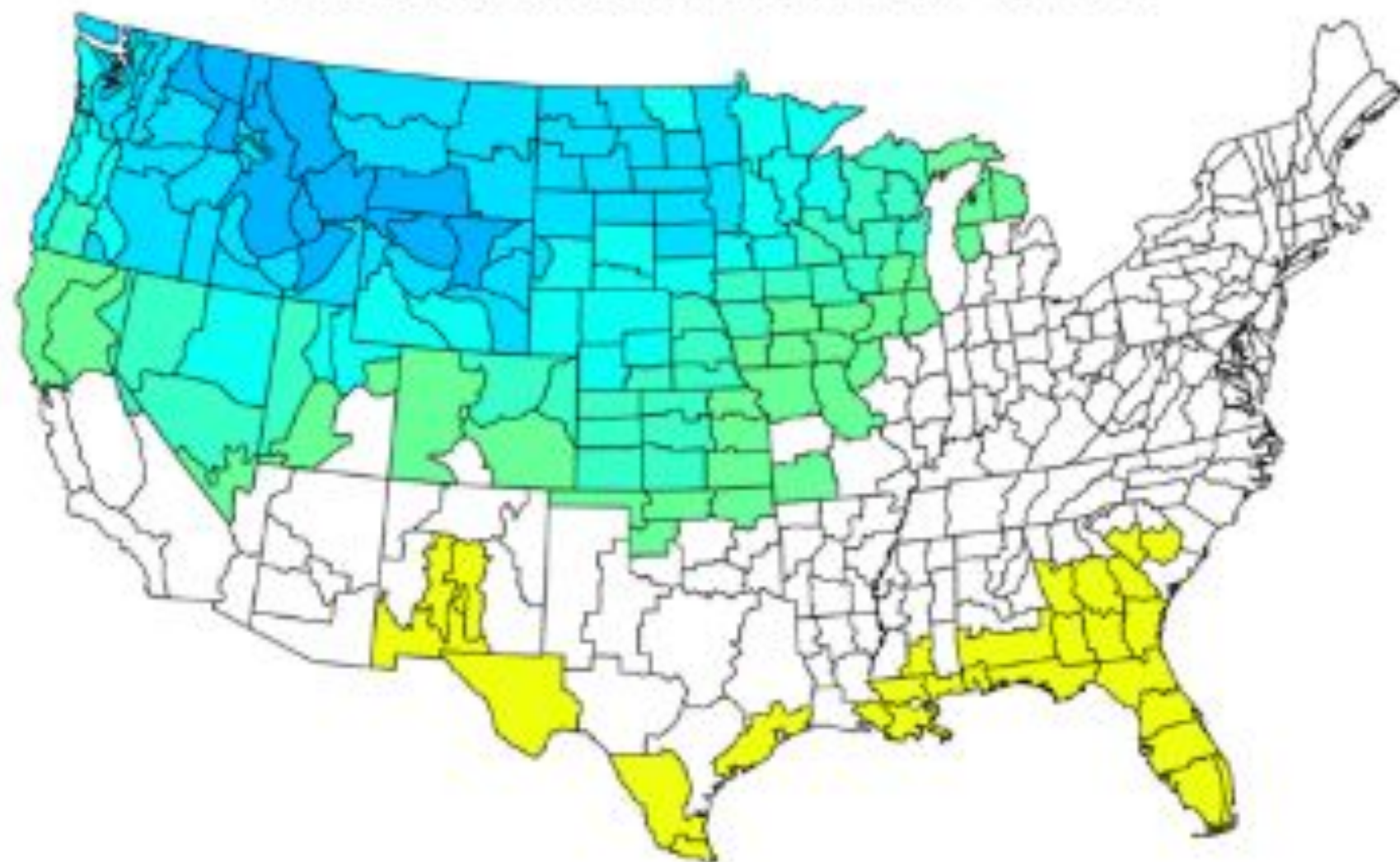
1991-2023 period only

15 seasons

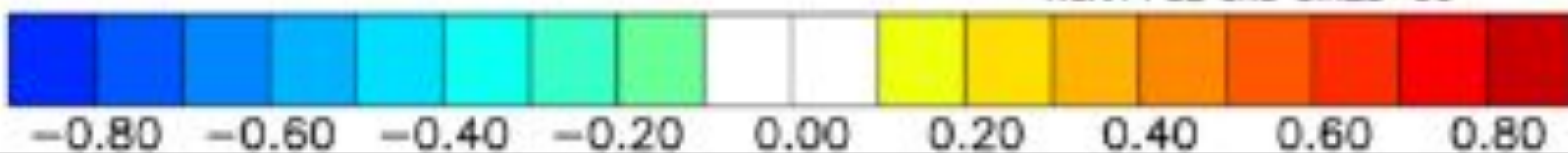
ENSO Neutral and Weak La Nina combined

NOAA/NCEI Climate Division Composite Standardized Temperature Anomalies
Versus 1991-2020 Longterm Average

Dec to Feb 1992-93, 1993-94, 1996-97, 2001-02, 2003-04, 2012-13, 2013-14, 2016-17,
2019-20, 1995-96, 2000-01, 2005-06, 2008-09, 2017-18, 2022-23,

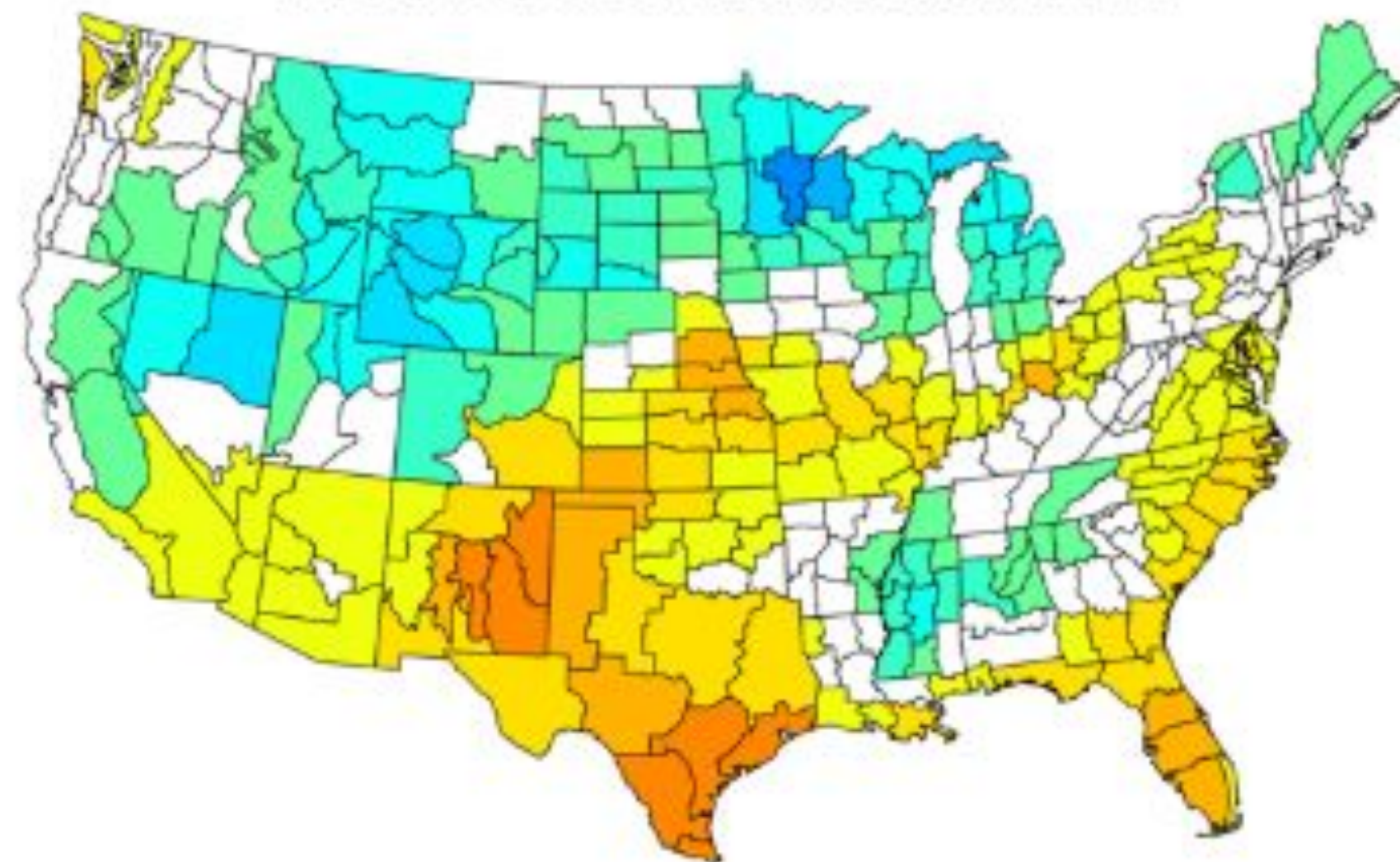


NOAA PSL and CIRES-CU

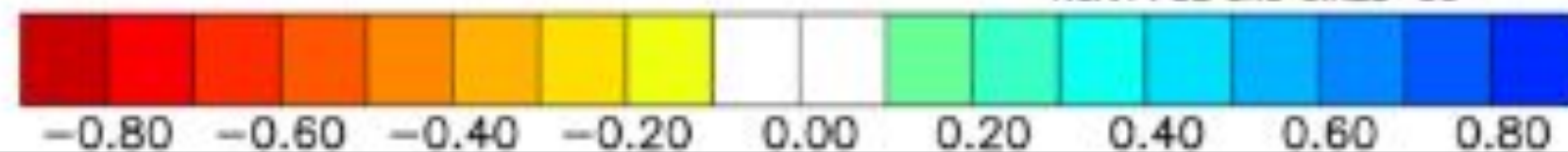


NOAA/NCEI Climate Division Composite Standardized Precipitation Anomalies
Versus 1991-2020 Longterm Average

Dec to Feb 1992-93, 1993-94, 1996-97, 2001-02, 2003-04, 2012-13, 2013-14, 2016-17,
2019-20, 1995-96, 2000-01, 2005-06, 2008-09, 2017-18, 2022-23,

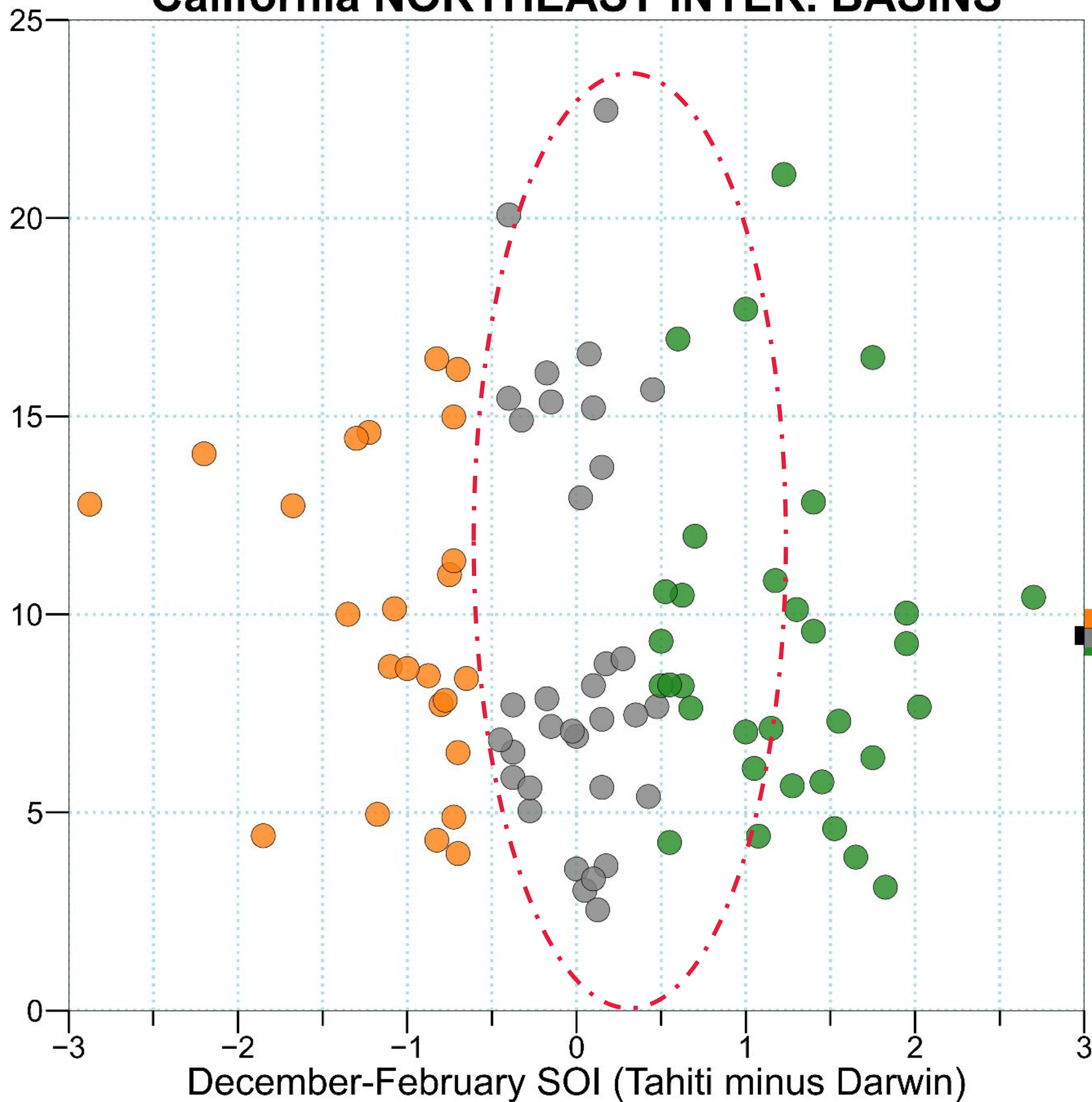


NOAA PSL and CIRES-CU



California NORTHEAST INTER. BASINS

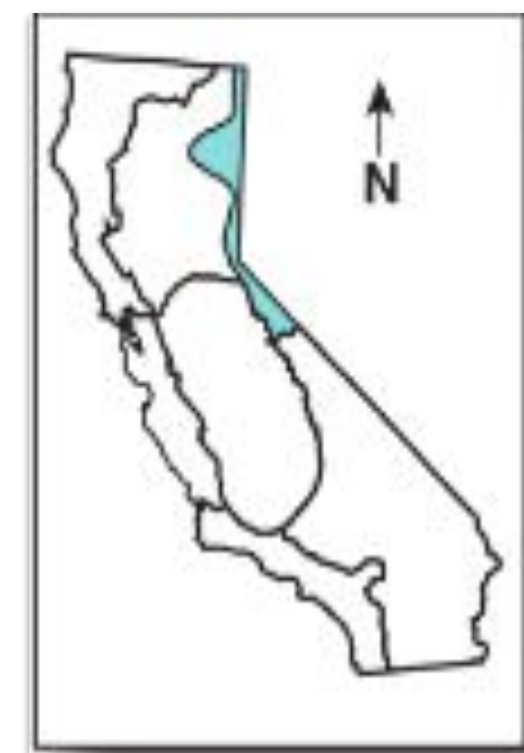
December-February Precipitation (inches)



Years:
1933/1934 - 2021/2022

$r^2 = 0.01$
Correlation = -0.11

- **Mean El Niño = 9.89**
- **Mean All = 9.46**
- **Mean Neutral = 9.40**
- **Mean La Niña = 9.19**





Analog Years - Rapid Transition (Nov-Mar)

Weather Forecast Office
Reno, NV
Tuesday, November 12

W
A
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R

Y
E
A
R

	Reno	Tahoe City	Bishop	Susanville
1964-65	Wet	Very Wet	Very Dry	Very Wet
1970-71	Slightly Wet	Near Normal	Dry	Very Wet
1973-74	Wet	Near Normal	Wet	Very Wet
1983-84	Slightly Wet	Near Normal	Dry	Wet
1988-89	Slightly Dry	Slightly Wet	Very Dry	Wet
1995-96	Wet	Wet	Dry	Very Wet
1998-99	Dry	Slightly Wet	Very Dry	Slightly Dry
2005-06	Wet	Very Wet	Very Wet	Very Wet
2007-08	Near Normal	Very Dry	Very Wet	Dry
2010-11	Near Normal	Very Wet	Very Wet	Slightly Wet
2016-17	Record Wettest	Record Wettest	Very Wet	Very Wet



Strong El Niño last winter to a weak La Niña or ENSO Neutral this winter.

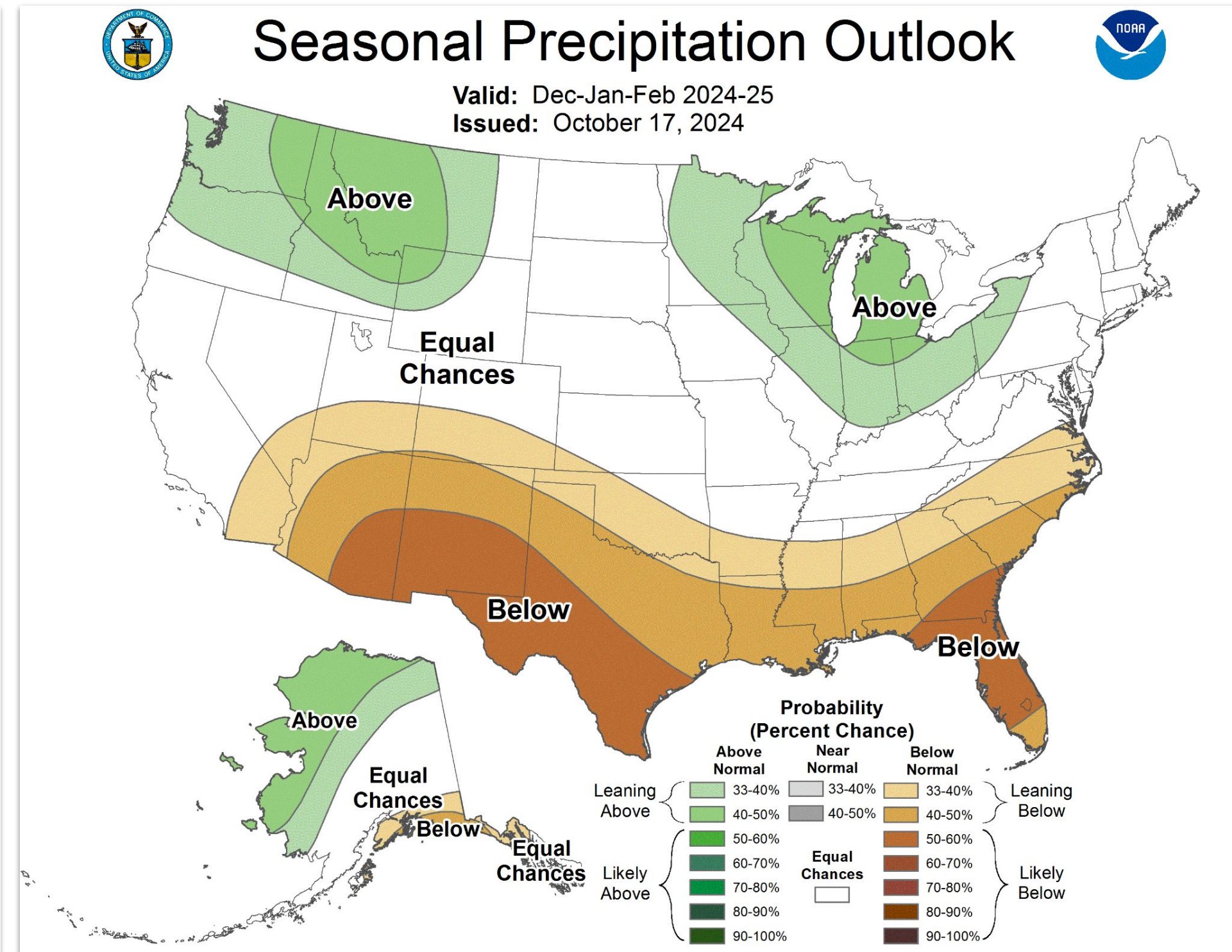
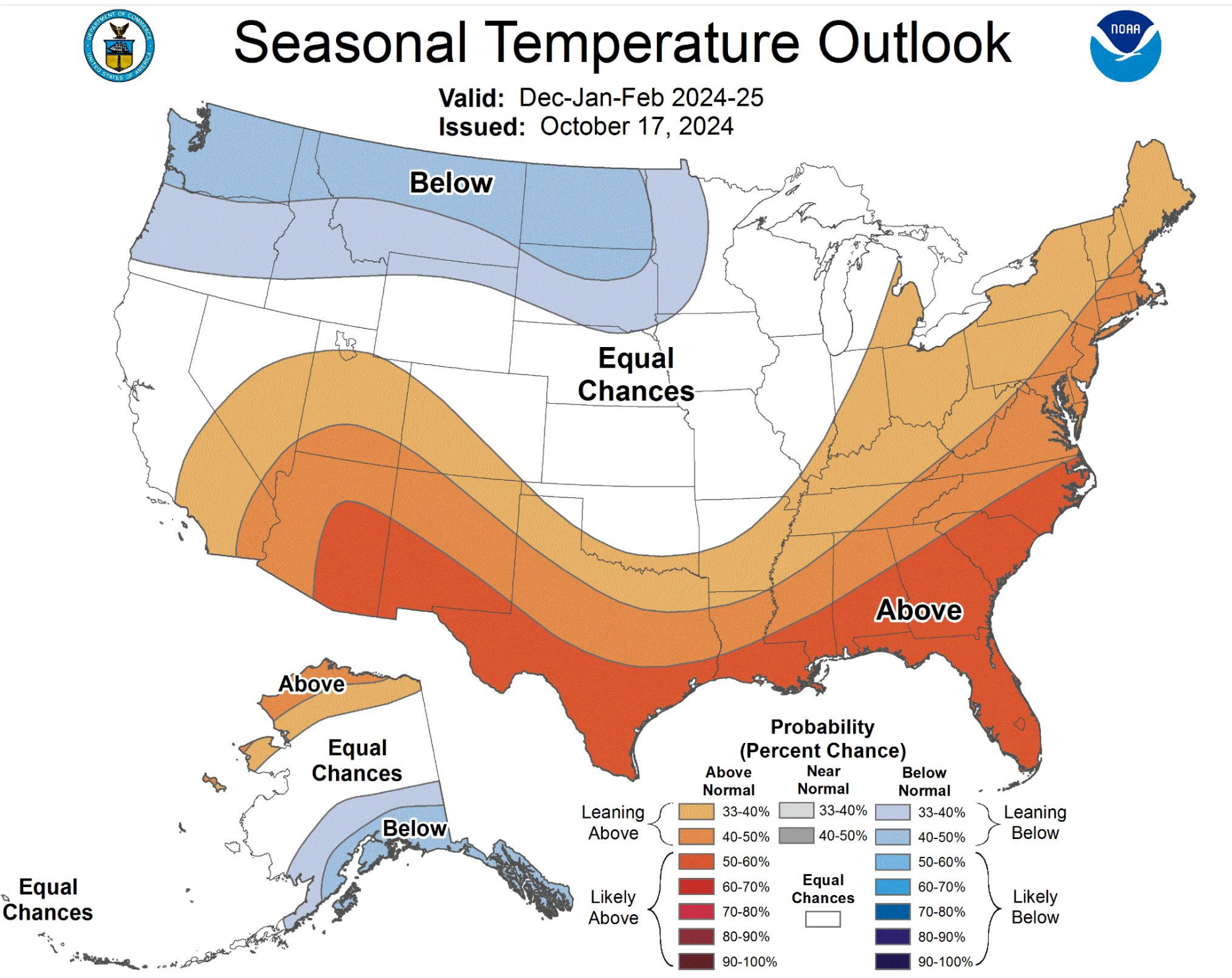
14 similar large shifts from EN to LN or neutral in historical record.

10 had well above normal water flow volumes on the Truckee, Carson & Walker Rivers



Main Course Outlook: Dec-Jan-Feb

Weather Forecast Office
Reno, NV
Tuesday, November 12





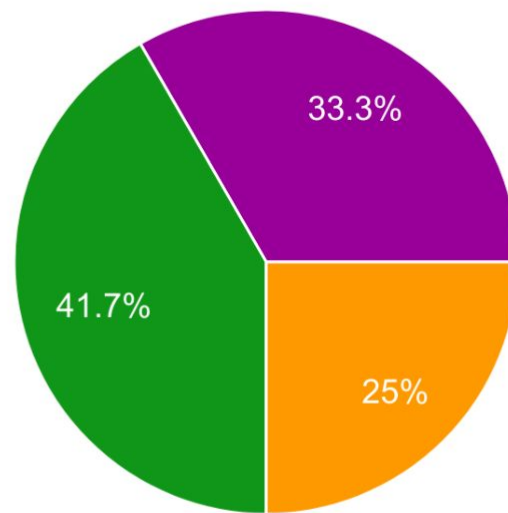
The “Very Scientific” NWS Reno Staff

Gut-Feeling Forecast

Weather Forecast Office
Reno, NV
Tuesday, November 12

How Wet Will The Winter Be in the Sierra and Western Nevada?

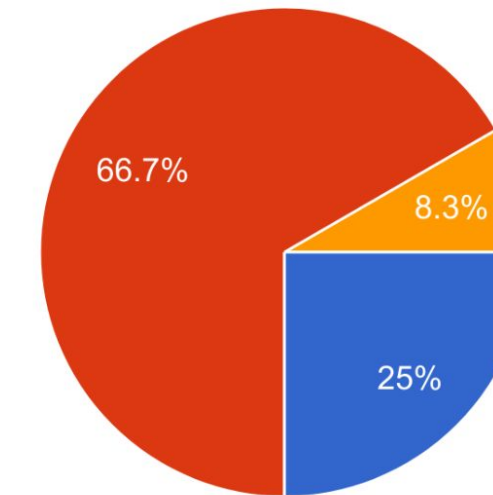
12 responses



- All Time Wettest Winter! Record Setting ARs.
- Crocodile Tears - Extremely Dry
- An Average Winter of Extremes
- Slightly Wet
- Slightly Dry

How About Wind?

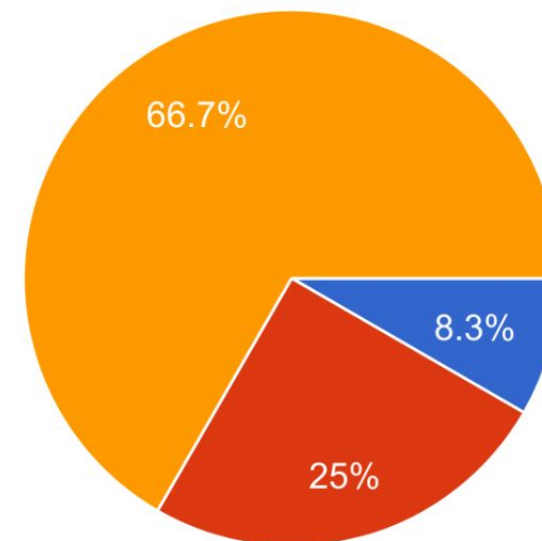
12 responses



- The Garbage Can Scale Returns and Many Are Lost
- The Usual
- Wood Burning Fire Alert: Calm Air and Inversion City

Winter Temperatures for the Sierra and Western Nevada?

12 responses



- This Winter will make the 2022-23 Winter Seem Warm (i.e. COLD!)
- Let's Be Real, In This Climate We're Just Warm
- Run of the Mill "Normal" Range



Bottom Line - Expect The Unexpected

Weather Forecast Office
Reno, NV
Tuesday, November 12

- **We have had both incredibly wet and incredibly dry La Niña Winters, as well as unremarkable ones.**
 - Larger scale climate signals such as ENSO haven't behaved as "typically" expected in more recent years
- **Wet or dry episodes are going to be dependent on location and strength of high pressure in the northern Pacific Ocean.**
- **Fall precipitation onset, while not everything, is important to set the stage for spring runoff. Late onset = drier soils and lessened runoff.**
- **We can still have: big snow storms, floods, cold spells, inside sliders, and wind storms even in a "drier than normal winter".**
- **Fires will continue to be a concern until we get a season-ending* precipitation event**

- **Seasonal outlooks DO NOT capture how wet or dry a winter will be**
 - **The state of the science is just not there yet and seasonal predictability is limited, esp early into the season**
- **Winters are defined by individual storms that occur throughout the season, and often the number of atmospheric river events we see at our latitude.**
 - **These storms are usually apparent in the 7-14 day forecast window and will be highlighted in partner emails and the Forecast Discussion**
 - **Any single storm can produce impacts and flooding , whether it be localized and/or on a regional scale.**



Changes to Cold Weather Products



On October 1, 2024, the NWS simplified its suite of cold weather products to improve messaging of these hazards and provide better decision support services.

Old

Extreme Cold Watch

Wind Chill Watch

Extreme Cold Warning

Wind Chill Warning

Wind Chill Advisory

New

Consolidated to →

Extreme Cold Watch

Consolidated to →

Extreme Cold Warning

Replaced with →

Cold Weather Advisory

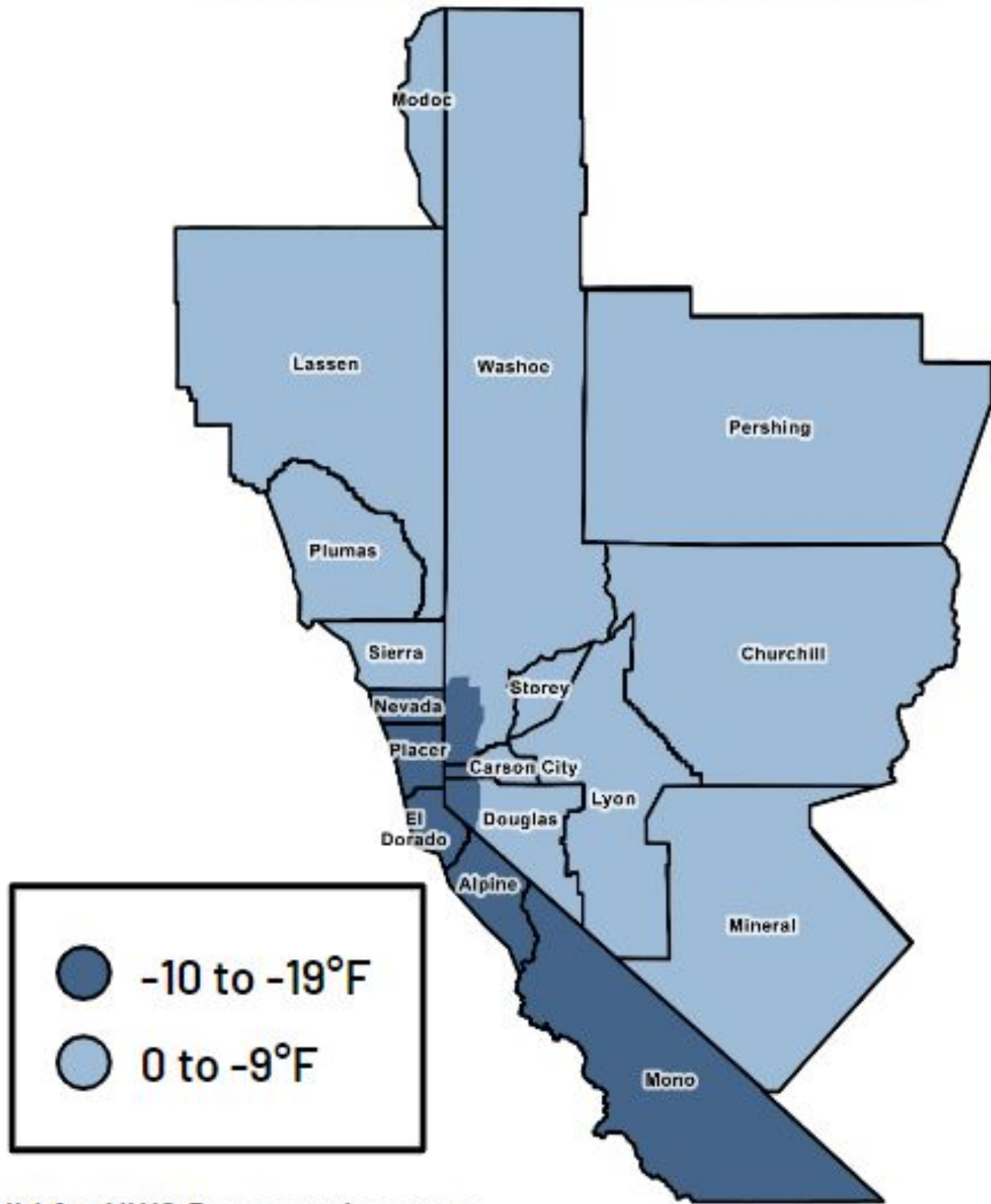
Wind Chill is not going away – Extreme Cold Watches/Warnings and Cold Weather Advisories are now based on the **Apparent Temperature**.



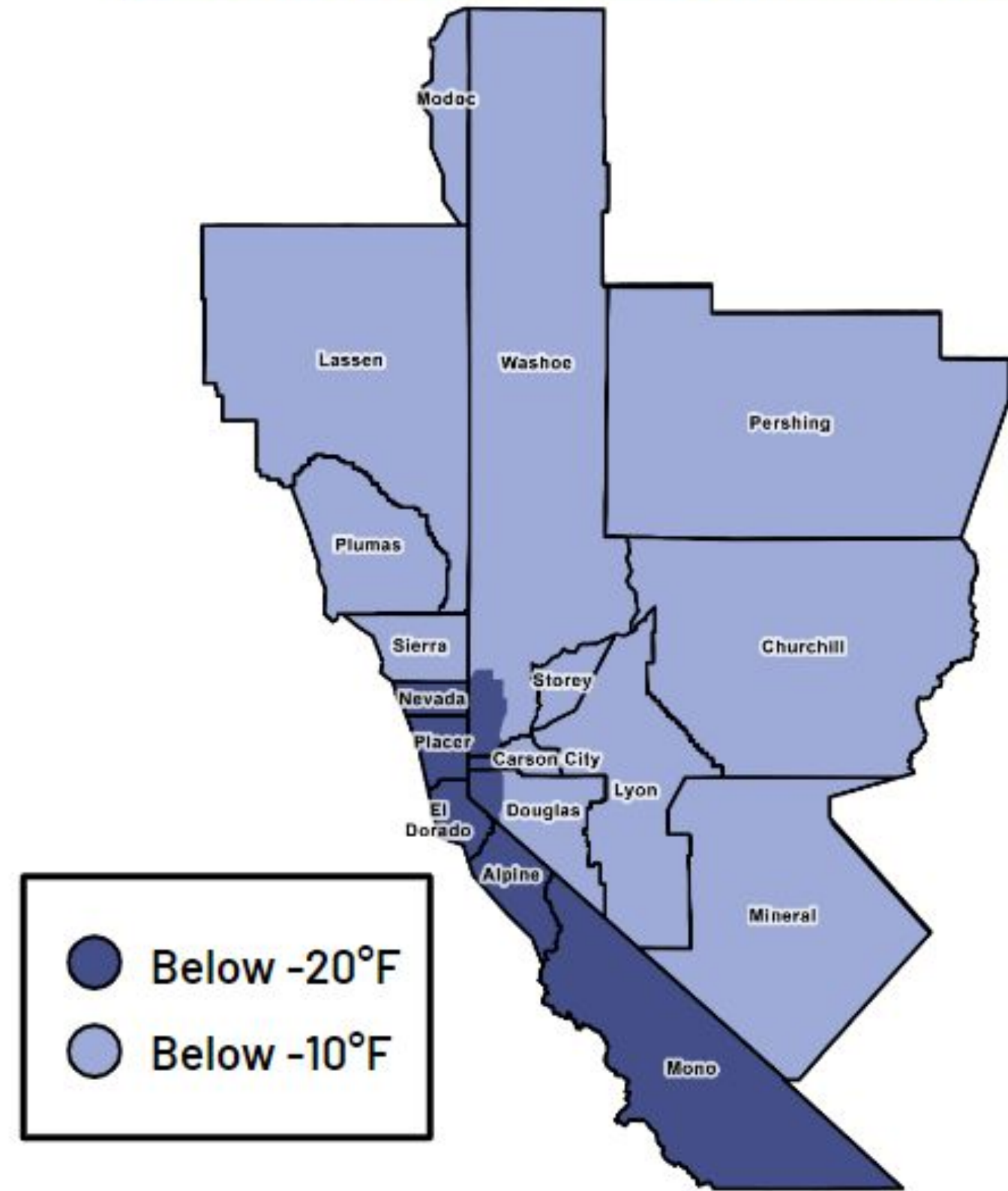
Cold Weather Product Criteria

Eastern Sierra & Western Nevada

Cold Weather Advisory



Extreme Cold Watch/Warning



* Criteria valid for NWS Reno service area

Watch/Warning/Advisory

Weather Forecast Office
Reno, NV
Tuesday, November 12

TYPE	DEFINITION	THREAT	ACTION
WARNING	Hazard is occurring, imminent, or very likely	Threat to life & property	Take protective action
WATCH	Conditions are <u>favorable</u> for hazard to occur	Threat to life & property	Have a plan of action
ADVISORY	Hazard is occurring, imminent, or very likely	Threat of significant inconvenience	Use caution



TACO WATCH



TACO WARNING

Ultimate value of
any weather
forecast...

...was it accurate enough
for you to make a good
decision?



Travel over I-80 in a winter storm....what could go wrong?



SO YOU'RE TELLING ME

THERE'S A CHANCE

Scenarios

“Most Likely” vs “Worst Case”
Being Prepared.

Confidence

Forecaster experience & what the models say.
High vs low confidence = different decisions.



What might be lurking ahead?

Probabilities

What weather is important to you and how
likely is that to happen?

7-14 Days

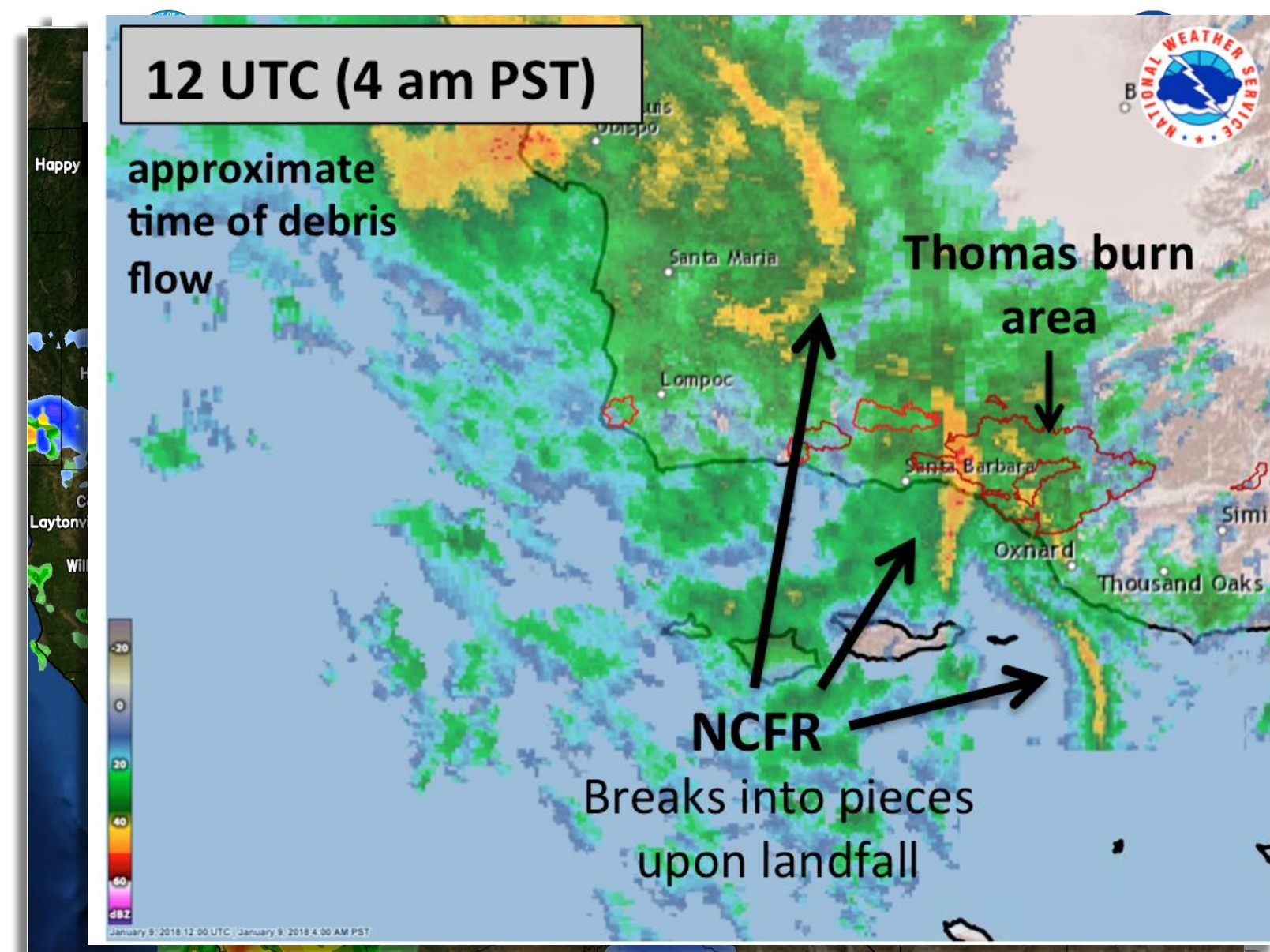
Broad trends: wetter vs drier, heavily probabilistic outlooks (e.g. lean wet).

2-5 Days

What kind of storm: flood vs blizzard vs high wind scenarios become clearer.

6-48 Hours

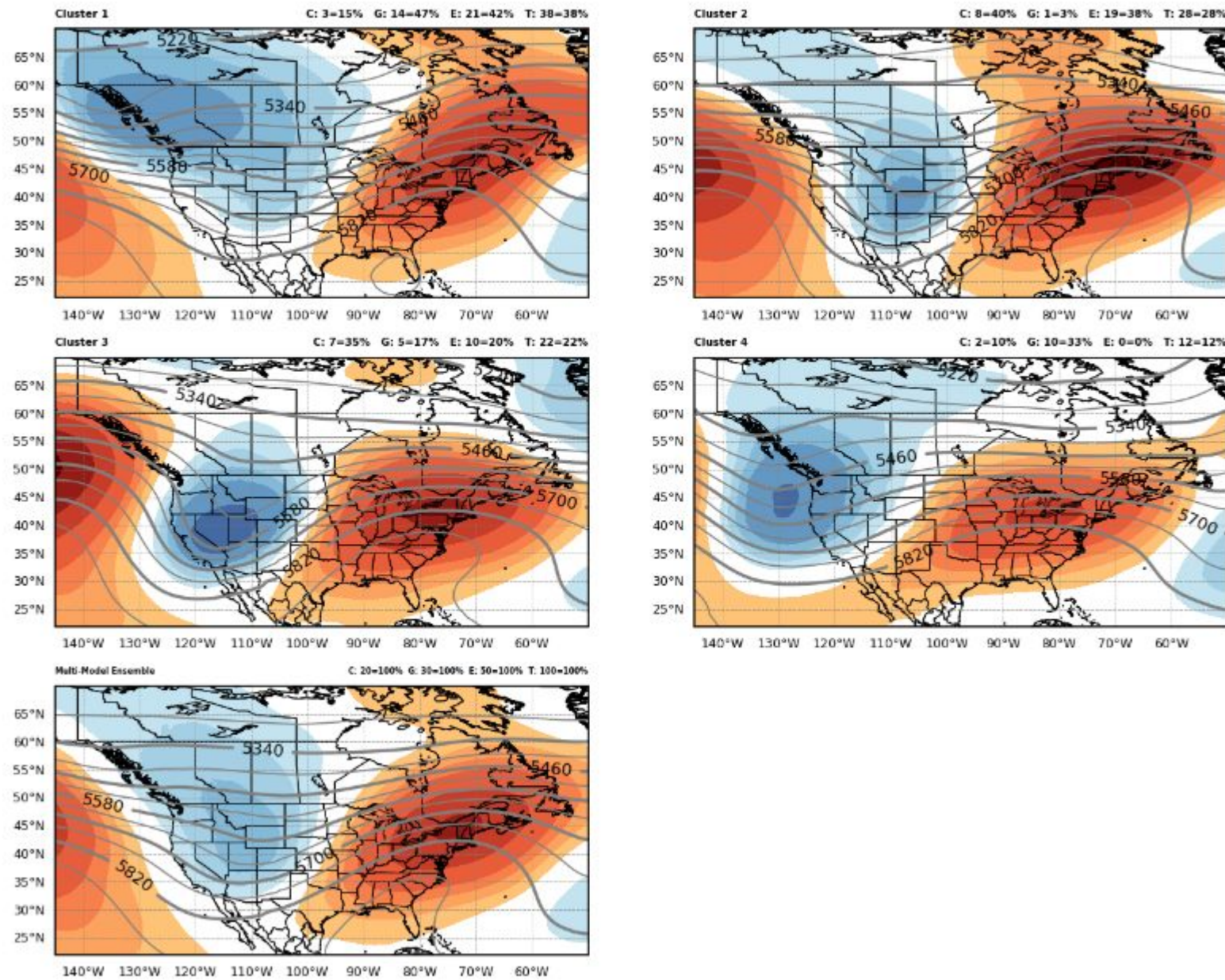
Small scale but high impact features: rapid snow level drops, inside sliders, cold frontal squall lines.



New Tools to Help With This

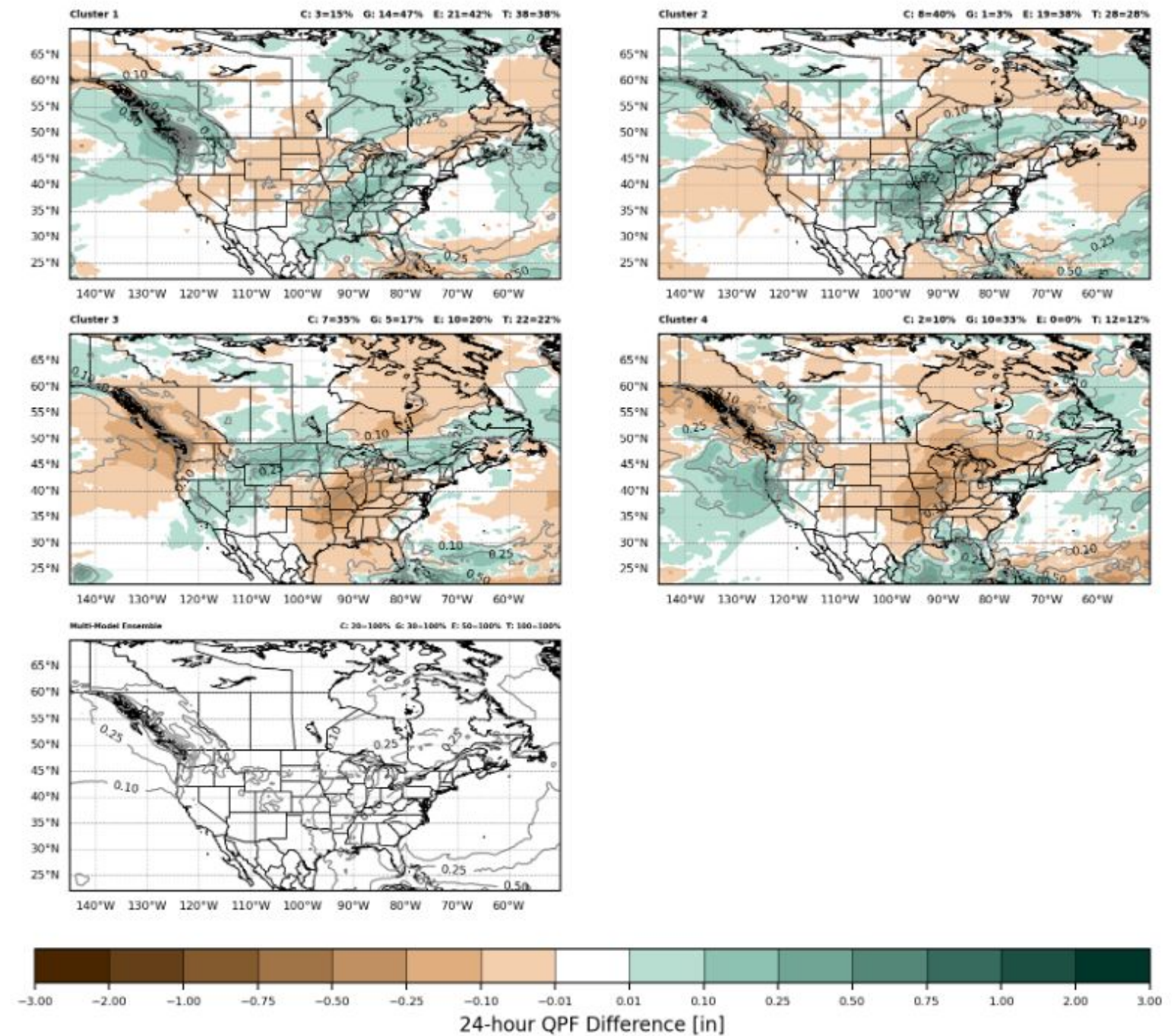
DAY: Day 9 ▾ DOMAIN: CONUS ▾ FIELD: Cluster 500 mb Heights (Anomalies) ▾ INIT: 00 UTC Mon 21 Oct 2024 ▾ $\frac{d[\text{model}]}{dt}$

Cluster Mean 24-hour Mean 500-hPa Heights and Anomalies [meters]
Init: 00Z Mon Oct 21 2024 --> Valid: 24-hours Ending 00Z Thu Oct 31 2024



DAY: Day 9 ▾ DOMAIN: CONUS ▾ FIELD: Cluster 24-h QPF ▾ INIT: 00 UTC Mon 21 Oct 2024 ▾ $\frac{d[\text{model}]}{dt}$

24-hour QPF Difference from Multi-Model Mean [in]
Init: 00Z Mon Oct 21 2024 --> Valid: 24-hours Ending 00Z Thu Oct 31 2024

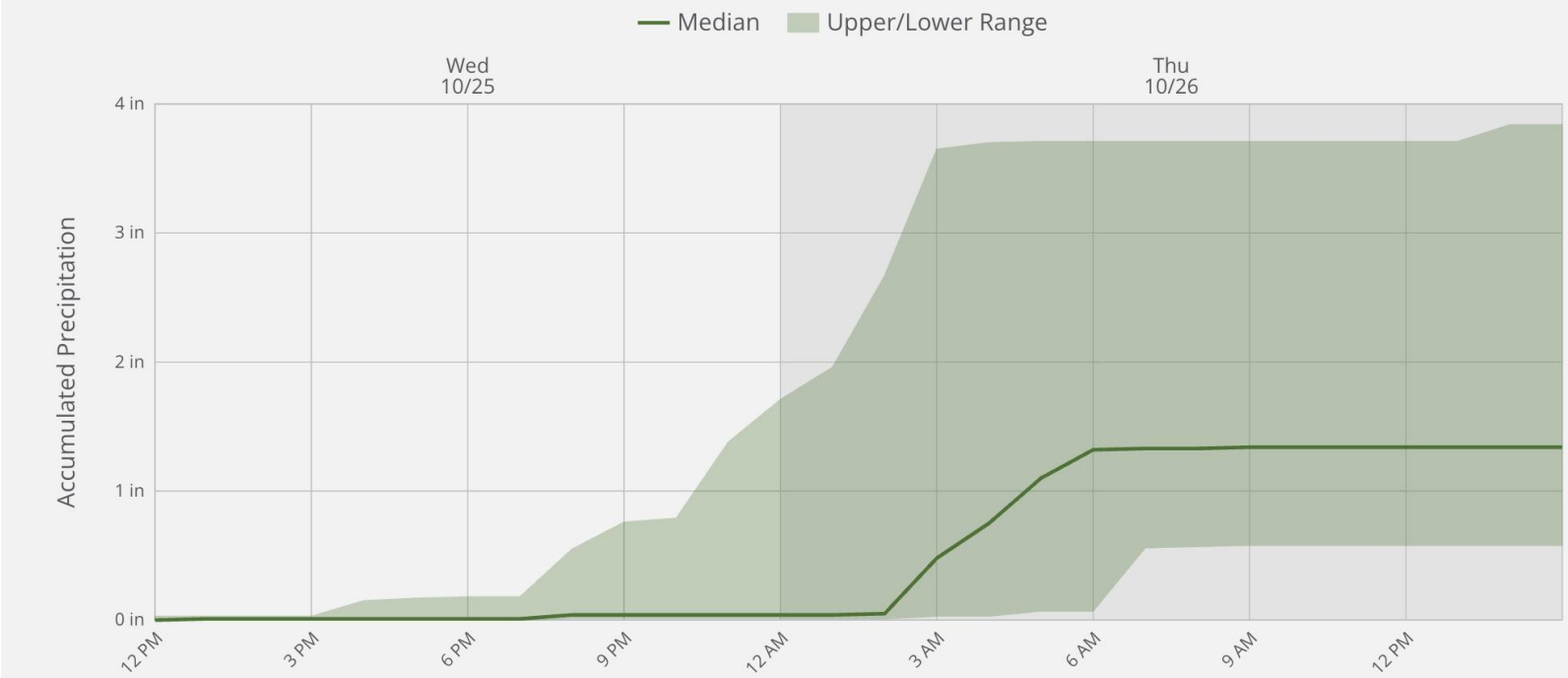




New Tools to Help With This

Range of Accumulated Precipitation

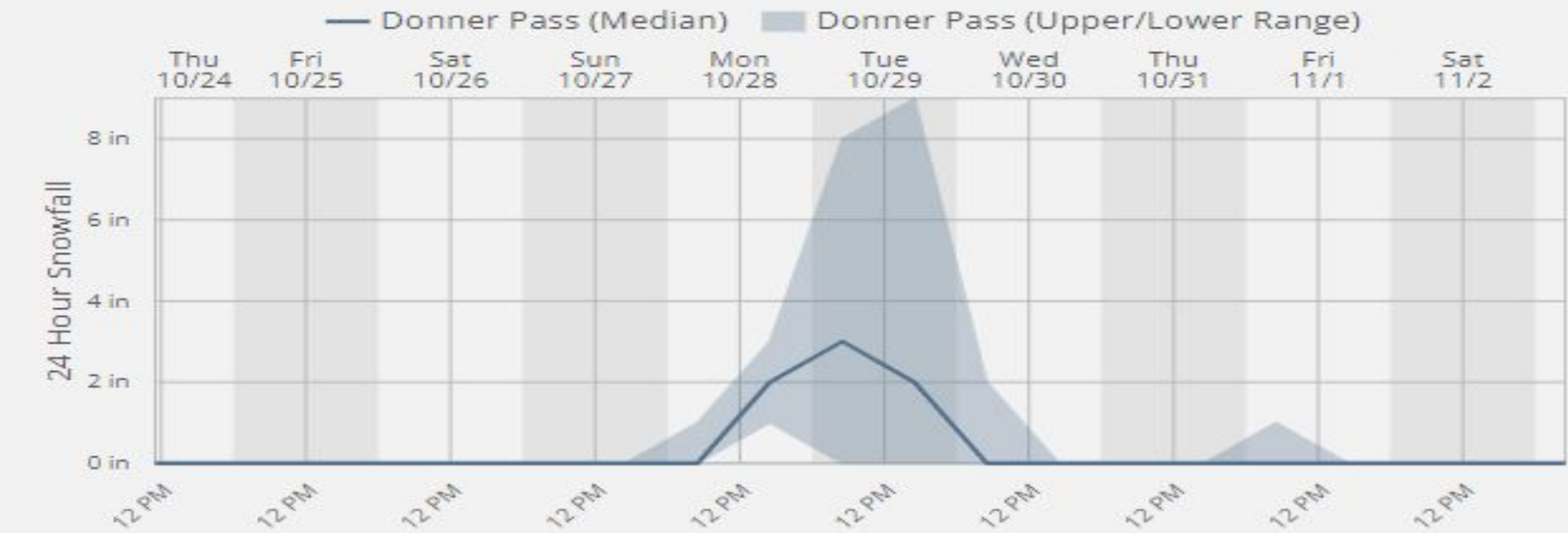
Wednesday Afternoon, Oct 25 - Thursday Afternoon, Oct 26



Valid: Wed 12 pm MST - Thu 03 pm MST Issued: Thu, Sep 26, 2024, 7 am MST

Range of 24 hr Snowfall

Thursday Morning, Oct 24 - Sunday Morning, Nov 3



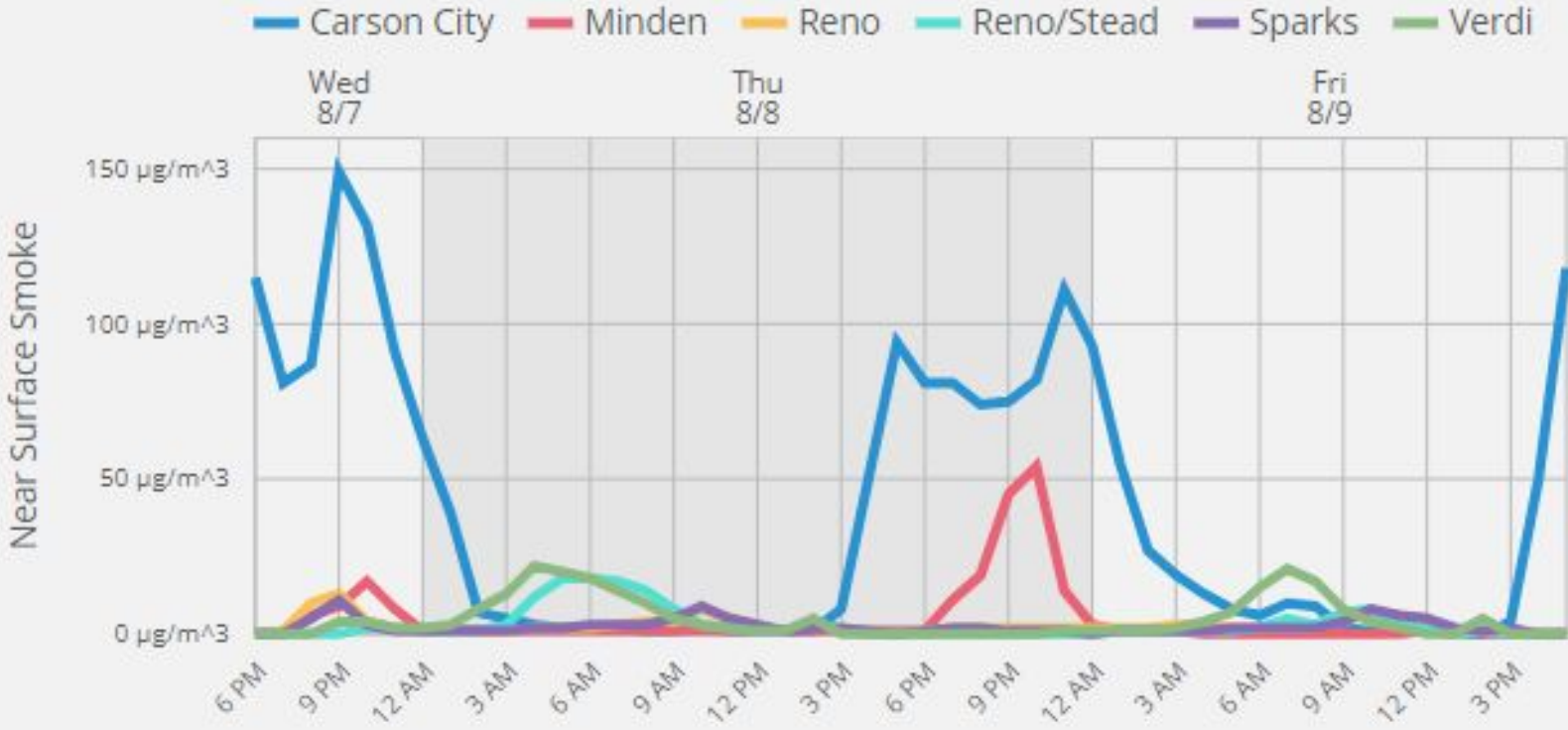
Information:

The range line chart shows the lower, median, and upper percentiles of a weather event occurring based on model predictions from the National Blend of Models. A larger shaded area means less certainty.



Near Surface Smoke

Wednesday Evening, Aug 7 - Friday Afternoon, Aug 9



Chance of 24 hr Max Gusts Greater Than 35 mph

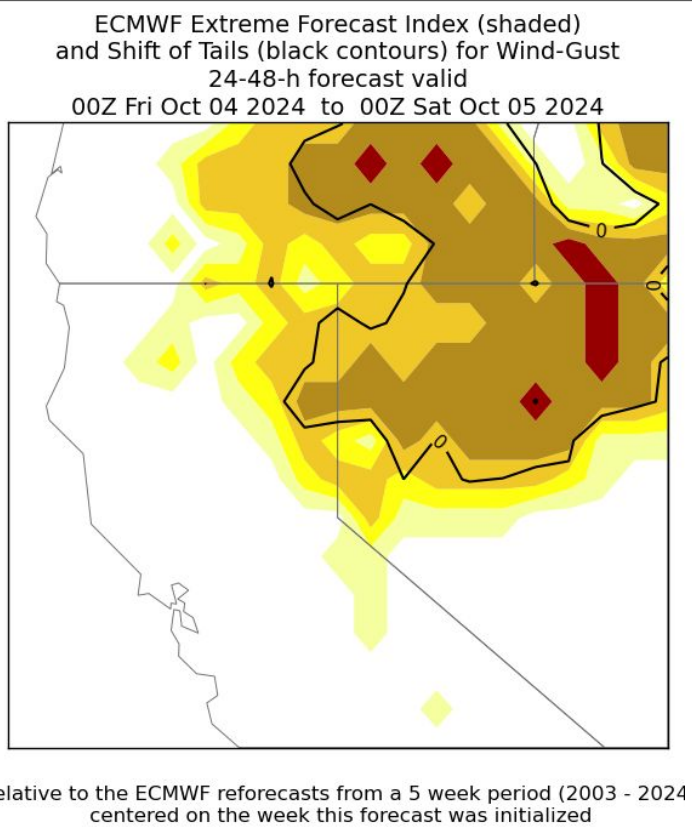
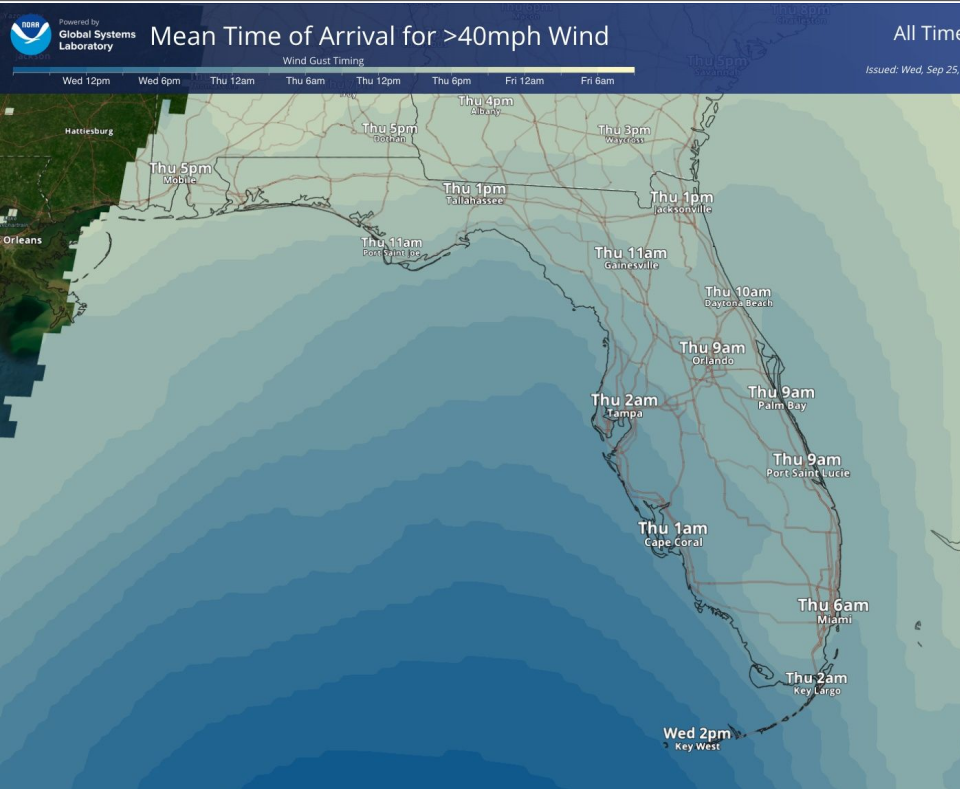
Wednesday Evening, Sep 11 - Saturday Evening, Sep 21

	Wed 9/11	Thu 9/12	Fri 9/13	Sat 9/14	Sun 9/15	Mon 9/16	Tue 9/17	Wed 9/18	Thu 9/19	Fri 9/20	Sat 9/21
Austin	97%	0%	0%	1%	20%	30%	5%	10%	3%	2%	5%
Caliente	3%	0%	0%	0%	3%	50%	5%	2%	3%	0%	0%
Carson City	85%	0%	0%	0%	25%	10%	0%	5%	0%	1%	3%
Elko	97%	5%	0%	4%	50%	50%	40%	20%	15%	5%	10%
Ely	100%	5%	5%	55%	90%	80%	30%	40%	25%	15%	15%
Las Vegas	80%	0%	0%	5%	55%	75%	15%	15%	10%	5%	5%
Laughlin	80%	10%	20%	30%	75%	90%	20%	25%	25%	20%	20%
Reno	97%	0%	0%	15%	65%	30%	20%	20%	5%	5%	10%
Tonopah	90%	25%	1%	45%	90%	70%	20%	35%	25%	10%	20%
Winnemucca	97%	0%	0%	2%	30%	30%	25%	15%	5%	5%	10%

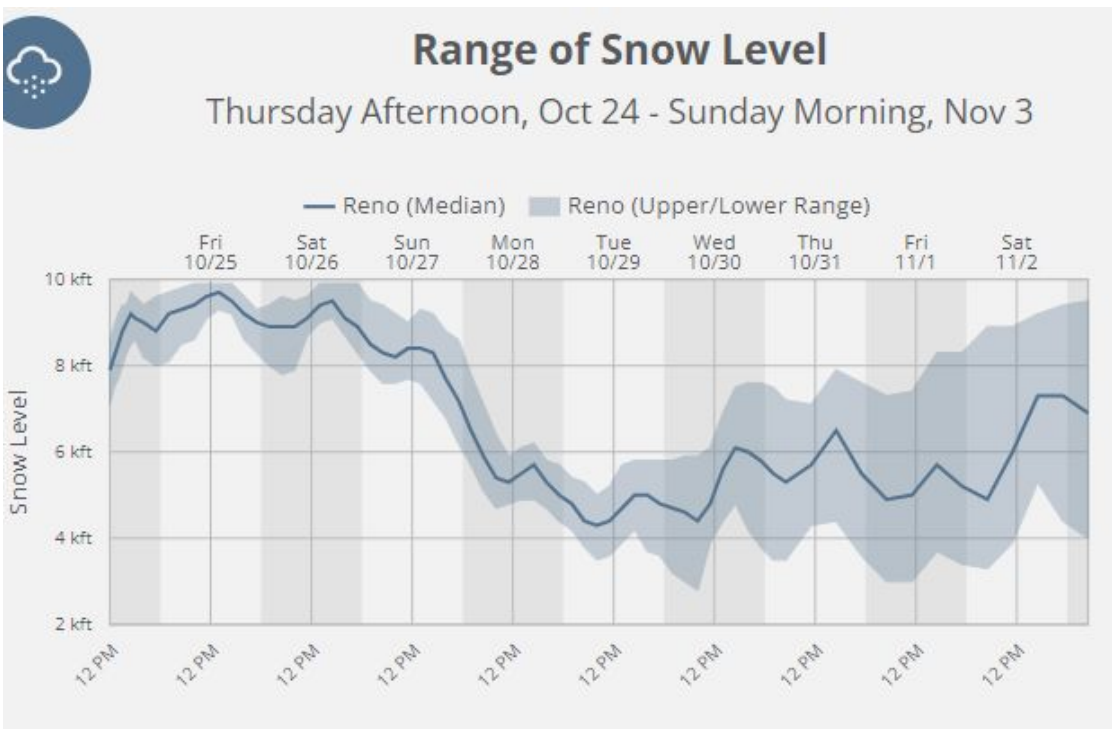
Percent Chance (%)



New Tools to Help With This



	12p-3p	3p-6p
Below 5000 feet	25% chance rain, 75% chance snow	80% chance rain, 20% chance snow
Below 5500 feet	10% chance rain, 90% chance snow	60% chance rain, 40% chance snow



Approximate Timing/Intensities								
Location/Timing	Thursday		Friday		Saturday		Sunday	
	12a - 12p	12p - 12a	12a - 12p	12p - 12a	12a - 12p	12p - 12a	12a - 12p	12p - 12a
Lassen & Plumas								
Lake Tahoe								
Eastern Sierra								
Reno, Quad Co								

Wrap Up Travel

Impactful

Significant

Hazardous

Extreme

Here's our best guess at timing the snowfall intensities for the Thursday - Sunday with the major winter storm. Friday - Saturday AM be ready for blizzard conditions with snowfall rates exceeding 3"/hr. For Western Nevada, rain much of Thursday will transition to snow Friday PM and continue through Sunday.

Chance of Min Temperatures Less Than 32°F											
Friday Morning, Oct 4 - Monday Morning, Oct 14											
	Fri 10/4	Sat 10/5	Sun 10/6	Mon 10/7	Tue 10/8	Wed 10/9	Thu 10/10	Fri 10/11	Sat 10/12	Sun 10/13	Mon 10/14
Bridgeport	0%	3%	1%	2%	10%	15%	30%	45%	65%	75%	70%
Lee Vining	0%	0%	0%	0%	0%	0%	1%	5%	20%	30%	20%
Mammoth/June Lak	0%	5%	3%	3%	20%	25%	45%	60%	75%	80%	75%
Markleeville	0%	0%	0%	0%	0%	0%	0%	0%	3%	5%	3%
Sierraville	0%	0%	0%	0%	0%	0%	0%	4%	20%	25%	25%
South Lake Tahoe	0%	0%	0%	0%	2%	2%	15%	35%	55%	55%	50%
Tahoe City (Coop)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Truckee Tahoe	0%	0%	0%	3%	5%	10%	30%	50%	70%	65%	65%
Percent Chance (%)											

Atmospheric Rivers - Winter's Moisture Tap

Weather Forecast Office
Reno, NV
Tuesday, November 12

A strong AR transports an amount of water vapor roughly equivalent to 7.5–15 times the average flow of water at the mouth of the Mississippi River.

ARs are a primary feature in the entire global water cycle and are tied closely to both water supply and flood risks, particularly in the Western U.S.

On average, about 30-50% of annual precipitation on the West Coast occurs in just a few AR events and contributes to the water supply — and flooding risk.

ARs move with the weather and are present somewhere on Earth at any given time.

ARs are approximately 250–375 miles wide on average.

Scientists' improved understanding of ARs has come from roughly a decade of scientific studies that use observations from satellites, radar and aircraft as well as the latest numerical weather models. More studies are underway, including a 2015 scientific mission that added data from instruments aboard a NOAA ship.

WATER
VAPOR
COOLS

CALIFORNIA

Image not to scale.






Avalanche Weather Support from NWS

Weather Forecast Office
Reno, NV
Tuesday, November 12

New Page Weather Specifics

Mono Co: [v](#)
Inyo Co: [w](#)

Backcountry
Avalanche Warning
Central Sierra Mountains
Greater Lake Tahoe Area
Eastern High Sierra
HIGH avalanche danger may occur Saturday Evening through Monday morning.



SIERRA AVALANCHE CENTER.ORG

Avalanche Warnings

NWS will disseminate SAC & ESAC alerts via social media, web, weather radio, broadcast media partners.

product=avgvef

Avalanche Weather Information

[Weather.gov](#) > [Reno, NV](#) > Avalanche Weather Information

Reno, NV

Weather Forecast Office

[Current Hazards](#)

[Current Conditions](#)

[Radar](#)

[Forecasts](#)

[Rivers and Lakes](#)

[Climate and Past Weather](#)

[Local Programs](#)

**** Experimental Webpage (For Evaluation Only) **** [Provide Feedback](#)

The following page is designed to provide snow safety officials with a weather forecast over specific areas of backcountry recreation interest. This forecast is not meant to be indicative of actual snow and avalanche conditions in the backcountry. [More information.](#)

Winter Related Watches & Warnings
Displayed Only in the Highlighted Area

Avalanche Watch

Winter Storm Watch

NEAR DONNER PASS - ELEV 7200 FT
NEAR MT ROSE SUMMIT - ELEV 8900 FT
NEAR HOMEWOOD - ELEV 8000 FT
NEAR ECHO PASS - ELEV 7500 FT
NEAR CARSON PASS - ELEV 8800 FT
NEAR SONORA PASS - ELEV 9800 FT
NEAR TIOGA PASS - ELEV 10000 FT
✓ MAMMOTH MOUNTAIN - ELEV 10000 FT
NEAR MAMMOTH - ELEV 9000 FT
NEAR MAMMOTH - ELEV 8000 FT

[Active Alerts](#)

[Tabular Forecast](#)

[Graphical Forecast](#)

[Overview](#)

Near Term Forecast

Forecast Issued: Fri Dec 2 2:32am PST

DATE	FRIDAY 12/02/22								SATURDAY 12/03/22								
TIME (LT)	06	09	12	15	18	21	00	03	06	09	12	15	18	21	00	03	06
CLOUD COVER	FW	FW	FW	SC	SC	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
CLOUD COVER (%)	20	15	20	35	50	70	70	70	85	85	85	85	85	90	85	85	90
TEMPERATURE	14	19	24	23	21	22	24	26	25	26	27	27	28	30	31	30	29
MAX/MIN TEMP					24				18				30				24
WIND DIR	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
WIND (MPH)	17	13	11	11	12	13	13	13	12	12	25	33	35	23	27	33	25
WIND GUST (MPH)	26	20	23	25	24	23	20	19	18	19	37	50	54	34	41	50	34
PRECIP PROB (%)	0	0	0	0	20	20	20	20	60	60	80	80	80	80	80	80	80
PRECIP TYPE					S	S	S	S	S	S	S	S	S	S	S	S	S
12 HOUR QPF					0.00				0.44				1.18				1.22
12 HOUR SNOW					0.1				4.4				11.4				12.1
12 HOUR ICE					0.00				0.00				0.00				0.00
SNOW LEVEL (KFT)	1.9	2.1	3.7	4.7	4.7	5.3	5.5	6.2	6.4	5.6	6.5	7.3	7.6	7.4	7.4	7.2	7.3

[How to decode this Avalanche Weather Guidance product](#)



Avalanche Weather Support from NWS

Weather Forecast Office
Reno, NV
Tuesday, November 12

- [Avalanche Watch - Fri Dec 2 8:29 AM PST 2022](#)
- [Winter Weather Statement - Fri Dec 2 4:50 AM PST 2022](#)

Lake Tahoe Mono County

Forecasts Webcams Observations Avalanche Advisory

[2 Day Mountain Forecast](#) [Forecast Discussion](#) [Snow Level Forecasts](#) [Graphical Forecasts](#)

Mono County Sierra Crest from 8000 to 10000 feet-
545 AM PST Fri Dec 2 2022

...WINTER STORM WATCH IN EFFECT FROM THIS EVENING THROUGH LATE
SUNDAY NIGHT...

.TODAY...
Sky/Weather.....Sunny.
Snow Level.....Below 7000 feet.
Chc Rain/Snow...0%.
Lightning.....None Forecast.
Temperature.....25 to 31.
Mid Slope Wind..Southwest around 15 mph. Gusts up to 45 mph
decreasing to 35 mph in the afternoon.
Snow.....No accumulation.
Liquid Amount...None.

.TONIGHT...
Sky/Weather.....Partly cloudy then becoming mostly cloudy. Slight
chance of snow after midnight.
Snow Level.....Below 7000 feet.
Chc Rain/Snow...15%.
Lightning.....None Forecast.
Temperature.....15 to 21.
Mid Slope Wind..South 15 to 25 mph. Gusts up to 40 mph increasing
to 55 mph after midnight.
Snow.....90% probability of 1 to 3 inches.
10% probability of up to 5 inches.
Liquid Amount...Up to 0.15 inch.

.SATURDAY...
Sky/Weather.....Mostly cloudy. Snow likely.
Snow Level.....Below 7000 feet increasing to 7500 feet in the
afternoon.
Chc Rain/Snow...60%.
Lightning.....None Forecast.
Temperature.....31 to 37.
Mid Slope Wind..South 15 to 20 mph with gusts to 45 mph increasing
to 15 to 30 mph with gusts to 55 mph in the
afternoon.
Snow.....60% probability of 3 to 9 inches.
40% probability no accumulation.
Liquid Amount...Up to 0.70 inch.

Mono County Sierra Crest Above 10000 Feet-
545 AM PST Fri Dec 2 2022

Backcountry Forecast Summary for Specific Elevation Bands with Snowfall Scenarios

Source: <https://www.weather.gov/rev/Avalanche>



Webpage Resources

Weather Forecast Office
Reno, NV
Tuesday, November 12

Weather Forecasts, Graphs, and Tables

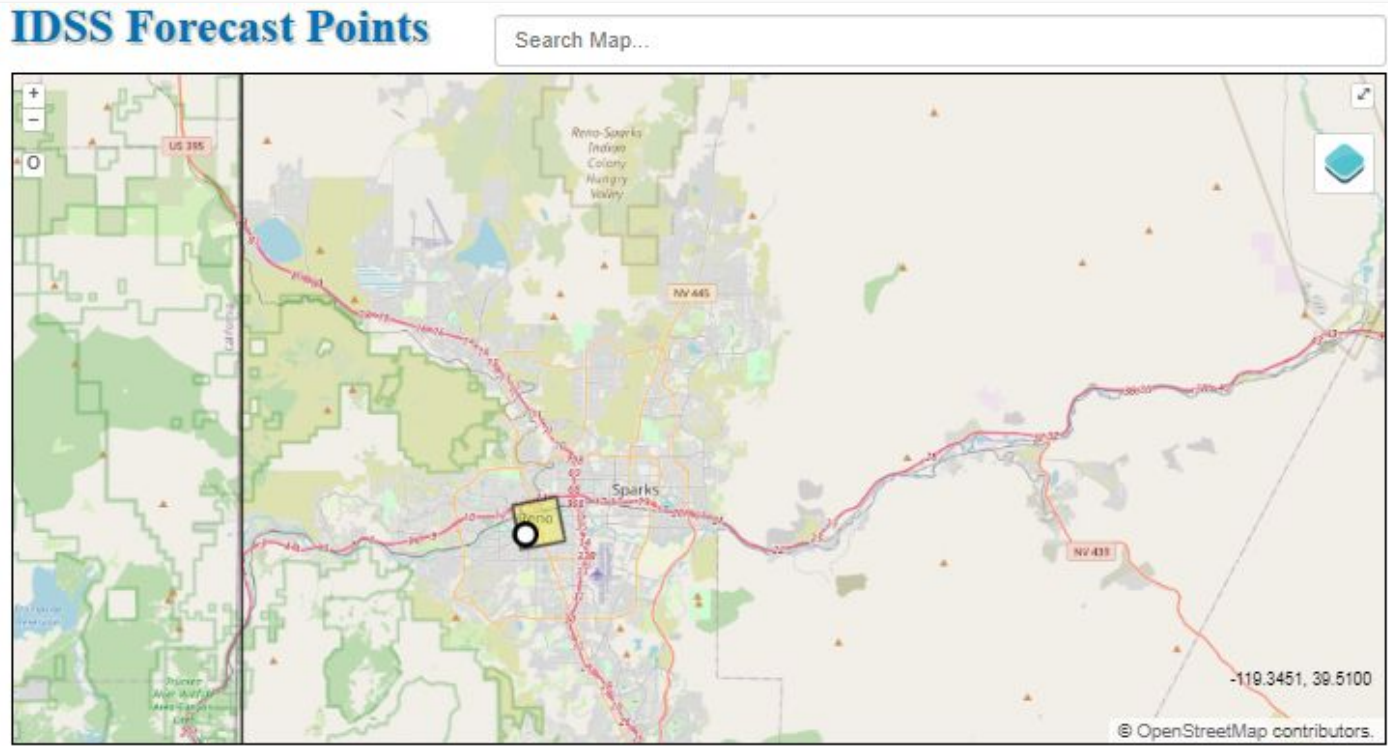
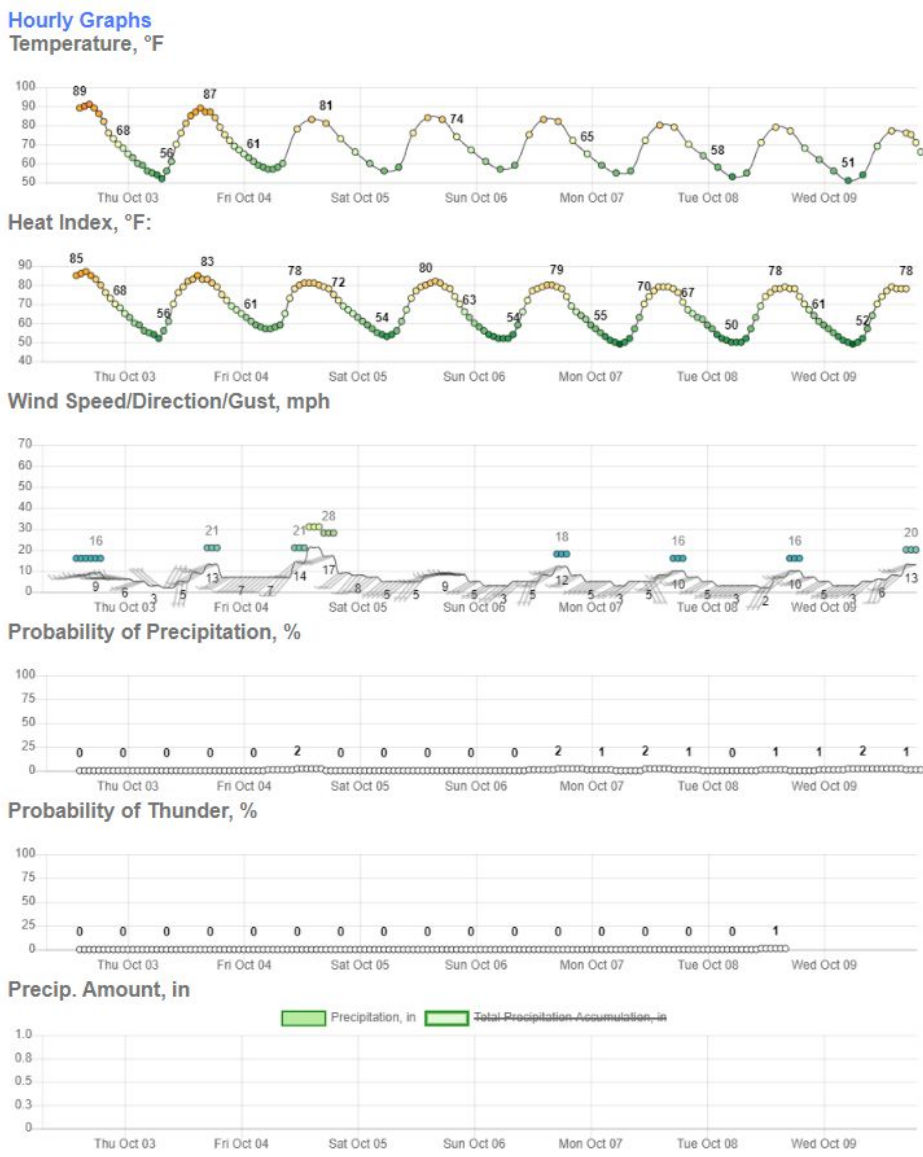


Table updated: 131 pm PDT Wed. 10/2/2024 (Last Update: 20 minutes ago)
Click for Text Forecast
REV Forecast Discussion
3 miles SE of Reno, NV

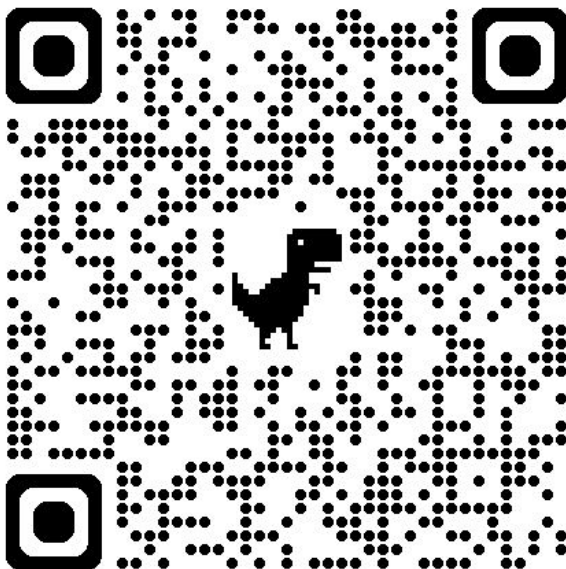
Weekly Summary	Wed Oct 2	Thu Oct 3	Fri Oct 4	Sat Oct 5	Sun Oct 6	Mon Oct 7	Tue Oct 8
Max Temp, °F	91	89	85	86	85	83	82
Min Temp, °F	68	52	57	56	57	55	53
Max Heat Index, °F	87	85	81	82	80	79	79
Max Wind, mph	9	13	21	9	12	10	10
Min Wind, mph	3	2	7	5	3	3	2
Max Wind Gust, mph	16	21	31	15	18	16	16
Max Prob. of Precip., %	0	0	2	0	2	2	1
Max Prob. of Thunder, %	0	0	0	0	0	0	1
Max Dew Point, °F	30	33	36	39	35	31	30
Min Dew Point, °F	27	28	31	33	27	25	23
Max RH, %	22	42	39	51	48	46	45
Min RH, %	11	12	18	18	17	17	15
Max Cloud Cover, %	3	5	15	23	17	33	18
Min Cloud Cover, %	2	1	2	2	4	7	6
Min Snow Level, x1000ft.	11	10.8	11.3	11.4	11.2	10.6	10.3

Hourly Table

Day of week:	Wednesday 10/2												Thursday 10/3						
Time:	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	12AM	1AM	2AM	3AM	4AM	5AM		
Weather:																			
Temperature (°F):	87	89	90	91	89	86	82	76	73	70	68	65	63	60	59	56	55		
Heat Index, °F:	83	85	86	87	85	83	80	76	73	70	68	65	63	60	59	56	55		
Wind Speed (mph):	3	8	8	8	9	9	9	6	6	6	6	6	6	5	5	5	3		
Wind Gust (mph):	10	16	16	16	16	16	16	12	12	12	10	10	10	8	8	8	6		
Wind Direction (°):	230	260	260	260	260	260	260	270	270	270	280	280	280	250	250	250	310		
Wind Direction:	↖	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	↖		
Prob. of Precip. (%):	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Prob. of Thunder (%):	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Precip. Amount (in.):			0.00					0.00						0.00					
Snow (in.):			0.0					0.0						0.0					
Dew Point (°F):	30	28	29	29	28	30	30	28	28	27	28	28	29	29	29	29	29		
RH (%):	13	11	11	11	11	13	15	17	19	20	22	25	27	30	32	35	37		
Sky Cover (%):	2	3	3	3	2	2	2	3	3	3	3	3	3	2	2	2	2		
Snow Level (x1000 ft.):	11.5	11.8	11.8	11.8	11.5	11.5	11.5	11.2	11.2	11.2	11	11	11	10.8	10.8	10.8	10		



IDSS Forecast Points
<https://www.weather.gov/forecastpoints/>



Available
anywhere in the
United States!

Includes:
Temp, winds,
gusts, probability
of precip, snow,
snow level,
humidity, & more



Staying Weather Aware with iNWS

Weather Forecast Office
Reno, NV
Tuesday, November 12

iNWS Alerts

Probably the best way to
get notified of t-storm, fire
weather, and flood alerts
issued by NWS.

Text and/or email.

inws.ncep.noaa.gov

The image shows a composite of three screenshots from the iNWS system. The top-left screenshot is the 'iNWS - My Alerts' web interface, featuring a map of the Reno area with a red polygon indicating an alert zone. The bottom-left screenshot is a mobile app interface showing a text alert for a 'Blowing Dust Advisory' from 4/5/2021 12:00 PM to 8:00 PM PDT for NFL, WMC, HTH, and 80LOL. The right screenshot is a detailed view of a 'Blowing Dust Advisory' issued by NWS Reno, NV, on Sunday, April 4, 2021, at 3:30 AM PDT. The alert covers Mineral and Southern Lyon Counties, including the Western Nevada Basin and Range, and lists several cities affected: Hawthorne, Yerington, Smith Valley, Mina, Schurz, Fernley, Fallon, Lovelock, Silver Springs, Nixon, and Imlay. The alert is valid from noon to 8 PM PDT on Monday, April 5, 2021. A note at the bottom states: '* WHAT...Visibility between 1 and 3 miles in blowing dust, locally below 1 mile. Decreased air quality.'



NWS Partner Emails, aka “The Freakout”

Weather Forecast Office
Reno, NV
Tuesday, November 12

Early heads up of impending weather prior to traditional watches and warning.

Weather Risk Outlook: When Should I Freakout?

Weather Forecast Office
Reno, NV
Thursday, February 1

	Thu ^{2/1}	Fri ^{2/2}	Sat ^{2/3}	Sun ^{2/4}	Mon ^{2/5}	Tue ^{2/6}	Wed ^{2/7}	W2 ^{2/8-2/14}	
Wind	Strong SW winds, widespread travel and recreation impacts.		Lighter N-NE valleys with breezy ridges.		Breezy.	Gusty SSW winds.	Strong SW winds.	Favoring colder winter storms to continue.	
Snow	Heavy snow in the Sierra with major travel impacts and near zero visibility. Snow impacts spread to W. NV Thu PM-Fri PM, commute impacts.		Snows diminishing from north to south.	Looking good for storm recovery efforts.	10-20% chance of light showers.		Next round of snow arrives in the Sierra.		
Flooding	Too cold.								
Unusual Temps	5-10° below average.								
Air Stagnation	All good.								
	Active pattern keeps air mixed.								

What Does This Mean?
Color integrates impact potential and forecaster confidence levels.

No worries 😊	Low freakoutness 😊	Moderate freakoutness 😬	High freakoutness 😬	Really bad 😬
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National Weather Service National Oceanic and Atmospheric Administration

Weather Forecast Office
Reno, NV
Wednesday, Oct 2, 2024

Autumn Heat Continues, Elevated to Critical Fire Weather Conditions Possible Friday

Good morning! Though we planned for a briefing later in the week, winds have trended up for Friday with elevated to critical fire weather conditions possible for western Nevada. One thing that hasn't changed is the unseasonable heat... expect that to stick around through the remainder of the week.

KEY POINTS

- Autumn Heat Continues
- Gusty Winds on Friday
- "Cooling" this Weekend, Still Above Average

CHANGES FROM PREVIOUS BRIEFING

- Chances for gusty SW winds have increased for Friday.

WEATHER RISK OUTLOOK

Risk levels incorporate potential impacts from weather hazards and likelihood of occurrence for a reasonable worse case scenario.

	Wed 10/2	Thu 10/3	Fri 10/4	Sat 10/5	Sun 10/6	Mon 10/7	Tue 10/8
Wind			Increasing SW winds, gusts 30-40 mph →				
Fire Weather	Very dry across W. NV →		Potential for critical conditions W. NV				
Lightning							
Snow							
Flooding							
Unusual Temps	Highs 10-15°F above average. Cool nights →		Some cooling but still above average →				
Smoke/AQ							

Risk Levels

Little to None

Minor

Moderate

Major

Extreme

DETAILS

- High temperatures more typical of mid-August will be in place through Thursday with low 90s expected for W.Nevada valleys. Reno has a >80% chance of breaking its record high temperature of 90° this afternoon.
- Gusty southwesterly winds expected across western NV on Friday, with gusts 30-40 mph mainly north of US-50. This will yield elevated to critical fire weather concerns, in addition to choppy lakes and areas of blowing dust.
- It won't be quite as warm toward the weekend, but highs still run 5-10° above average. We'll continue our dry pattern with no prospects for precipitation into early next week. Highs could return closer to average by the latter



Bonus! Precipitation Phase Map

Weather Forecast Office
Reno, NV
Tuesday, November 12

During winter storms, tell us
what is falling from the sky.



Scan or text WINTER
to 855-909-0798 to sign up.



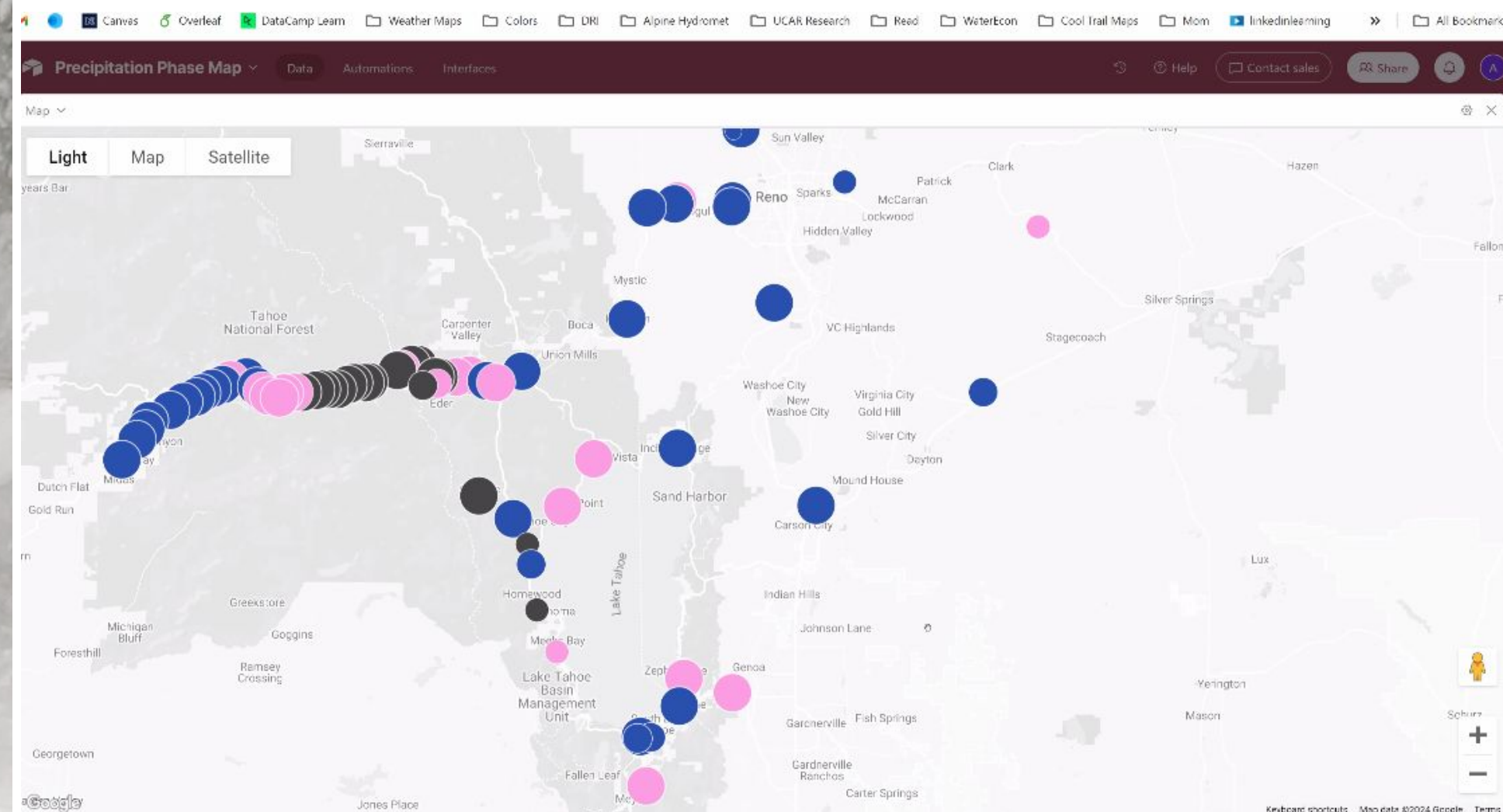
Partner

Message and data rates may apply. Text STOP to unsubscribe at any time.

Photo: K. Englar

Partnership with DRI

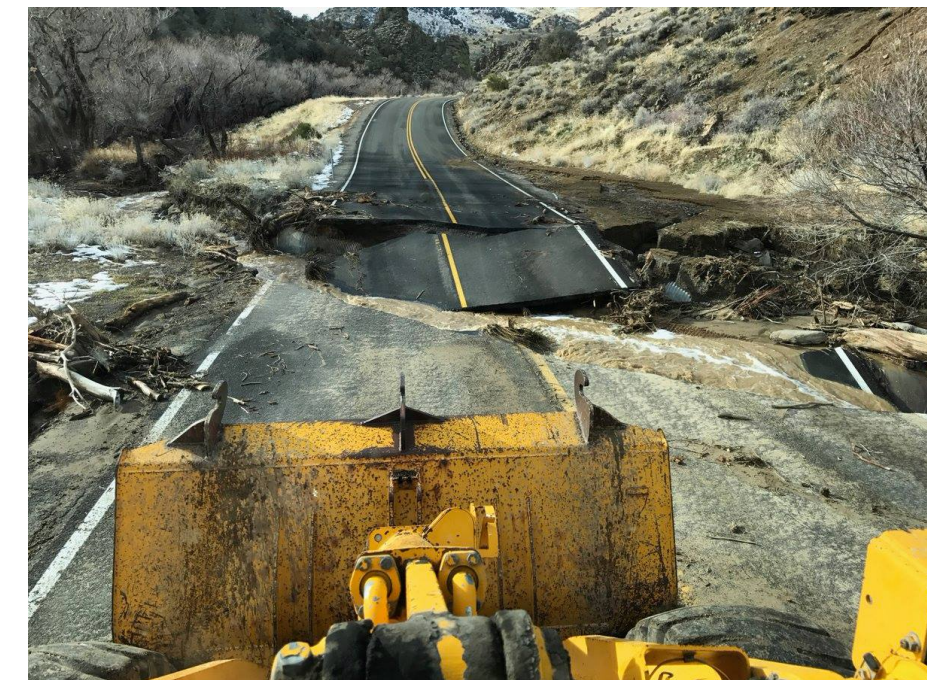
Goal: Improve the ways we track changes
in rain, snow, and mixed precipitation



- Forecast Discussion, 2x/day [[link](#)]
- Social media: Facebook and X @NWSReno
- Call Us (**775.673.8107** for 24/7 weather support - non-public #)
- weather.gov/rev/winter



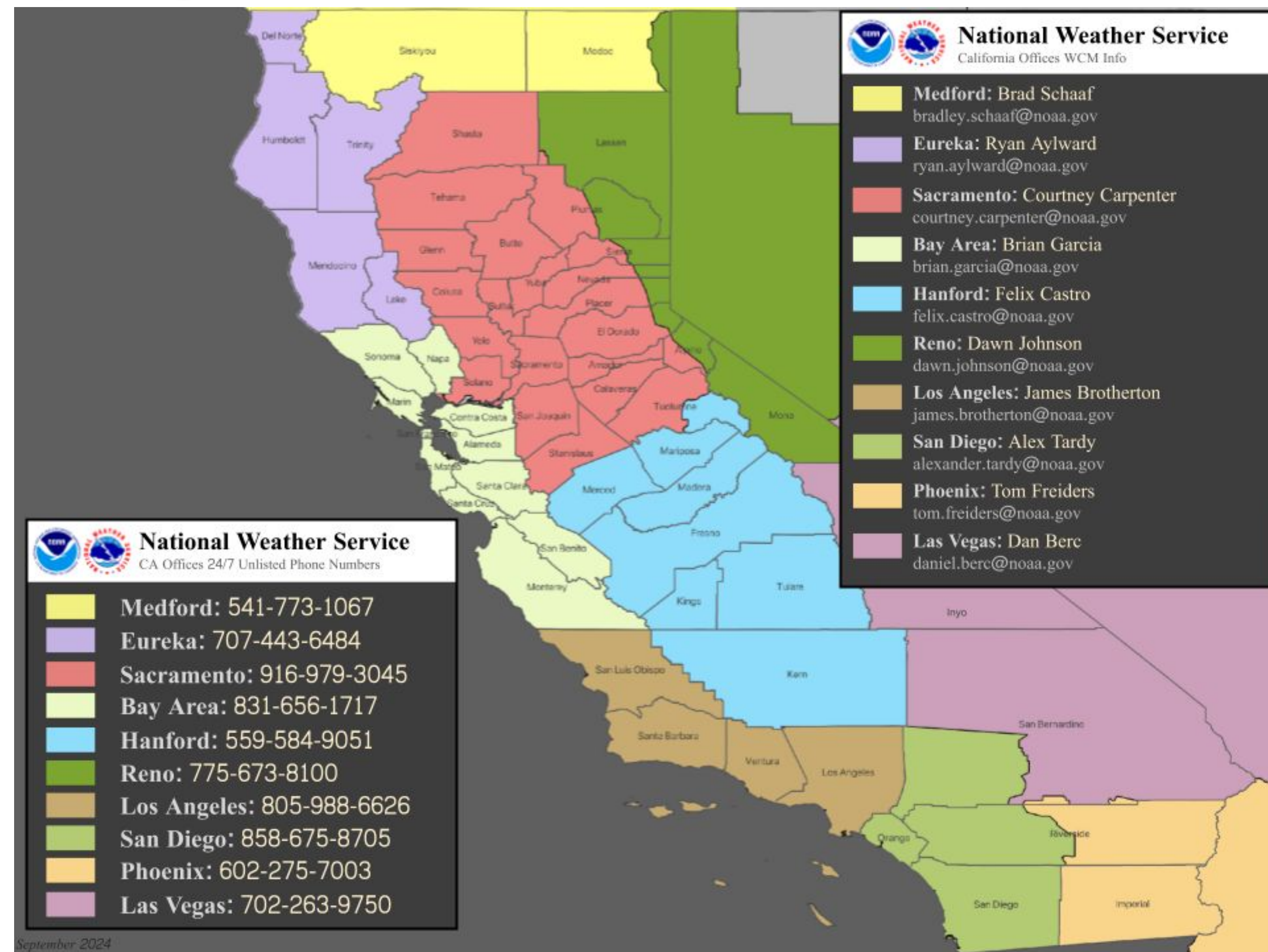
Hydrologist Tim Bardsley briefing Nevada DEM in the State EOC.





Contacts for Surrounding Offices

Weather Forecast Office
Reno, NV
Tuesday, November 12



Las Vegas: Dan Berc
(Daniel.Berc@noaa.gov) 702-263-9750
Elko: Trent Davis and Derek Williams
(Trenton.Davis@noaa.gov and
Derek.Williams@noaa.gov) 775-778-6716



Any Questions?

Weather Forecast Office
Reno, NV
Tuesday, November 12



Dawn Johnson

Warning Coordination
Meteorologist

National Weather Service

Reno, Nevada

dawn.johnson@noaa.gov