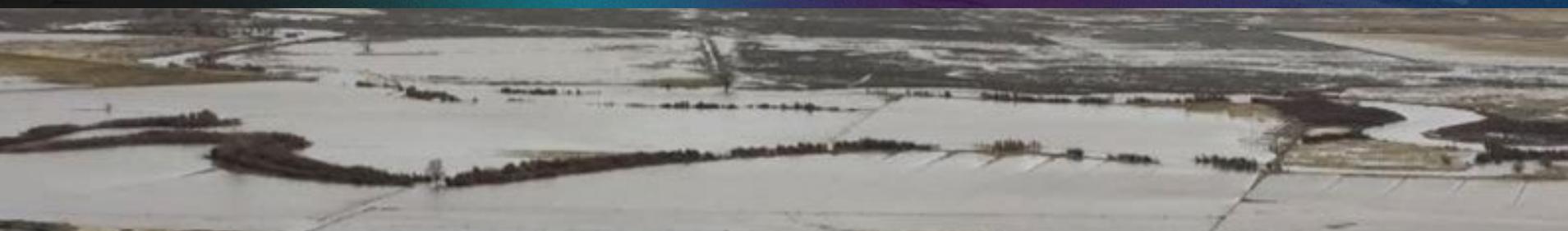


How Forecasting can Inform Decision Making



03/03/2025

Carson River Forum

Moderator: Chris Smallcomb
National Weather Service, Reno



Introductions

Moderator: Chris Smallcomb

Adam Wilson

Emergency Manager
Storey County

Jon Bakkedahl

Emergency Manager
Carson City

Courtney Walker

Stormwater Manager
Douglas County

Sam Booth

Community Development
& Public Works Director
Alpine County

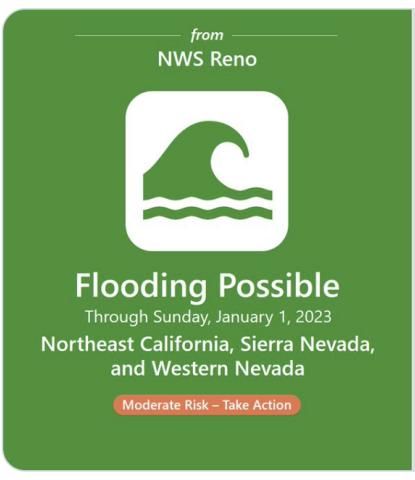
Weather Forecasting and Briefing





NWS Reno 
@NWSReno

Flooding is possible due to heavy rainfall and runoff in northeast California, the Sierra Nevada, and western Nevada. Urban, poor drainage area, and small stream flooding are very likely, with major rises expected on mainstem rivers with minor-to-moderate flooding possible.



4:32 PM · Dec 30, 2022 · 12.9K Views

2-5%

Probability of being all-snow

INTERSTATE 80 Current Conditions
Issued: 4:00 PM - Saturday, December 31, 2022

Interstate 80 - Western Nevada



GOLD RANCH
NEVADA DOT



WEST McCARRAN
NEVADA DOT



I-80/I-580 N
NEVADA DOT



ROCK BLVD
NEVADA DOT



PYRAMID WAY EB
NEVADA DOT



EAST McCARRAN
NEVADA DOT



SPARKS BLVD
NEVADA DOT



VISTA BLVD
NEVADA DOT

National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Reno, Nevada



Weather Risk Outlook: When Should I Freakout?

Weather Forecast Office
Reno, NV
Saturday, December 31

	Sat 12/31	Sun 1/1/23	Mon 1/2	Tue 1/3	Wed 1/4	Thu 1/5	Fri 1/6	W2 1/7-1/13
Wind	Gusty SW winds, south of US-50. Strong winds Sierra ridges.	Breezy/chilly N-NE winds.	Breezy SW winds.		Strong winds ridge lines, gusty winds for the lower elevations.		Lighter winds.	
Snow	Major Sierra travel delays. Snow levels below 6 kft. Snow to all valley floors by tonight. Sierra - 10% chance for thundersnow.	Snow winding down and moving out of area.	A couple of colder, fast moving systems.		Good signal for colder AR event. Significant Sierra snow and travel disruptions, snow to western NV valley floors possible.	Lingering snow showers with system moving out of region.		Active storm pattern continues, though storm impacts TBD based on temps/snow levels with each system.
Flooding	Urban & poor drainage, continued high flows and flooding near rivers & streams.	High flows on western NV portions of Truckee & Carson Rivers.	Lighter precipitation and lower snow levels.		Colder system overall, but could see brief periods with snow levels up to 6000 feet. We're already saturated, so anything extra could bring impacts.	None expected.		
Unusual Temps	Seasonable, trending slightly below average to start 2023.							Near normal.
Air Stagnation	Ongoing active weather pattern with increased winds will maintain good mixing and ventilation.							Staying mixed.

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



Discussion:

- How do Floodplain and Emergency Managers use this Information
- How do they interact together?





A wide, muddy river flows through a dry, brushy landscape under a cloudy sky. The water is brown and turbulent, with white foam at the edges. The banks are made of dry, brown brush. The sky is a uniform, pale grey.

Significant Flood Events

- January and February 2017
- December 31st, 2022
- March 2023

Questions?

