

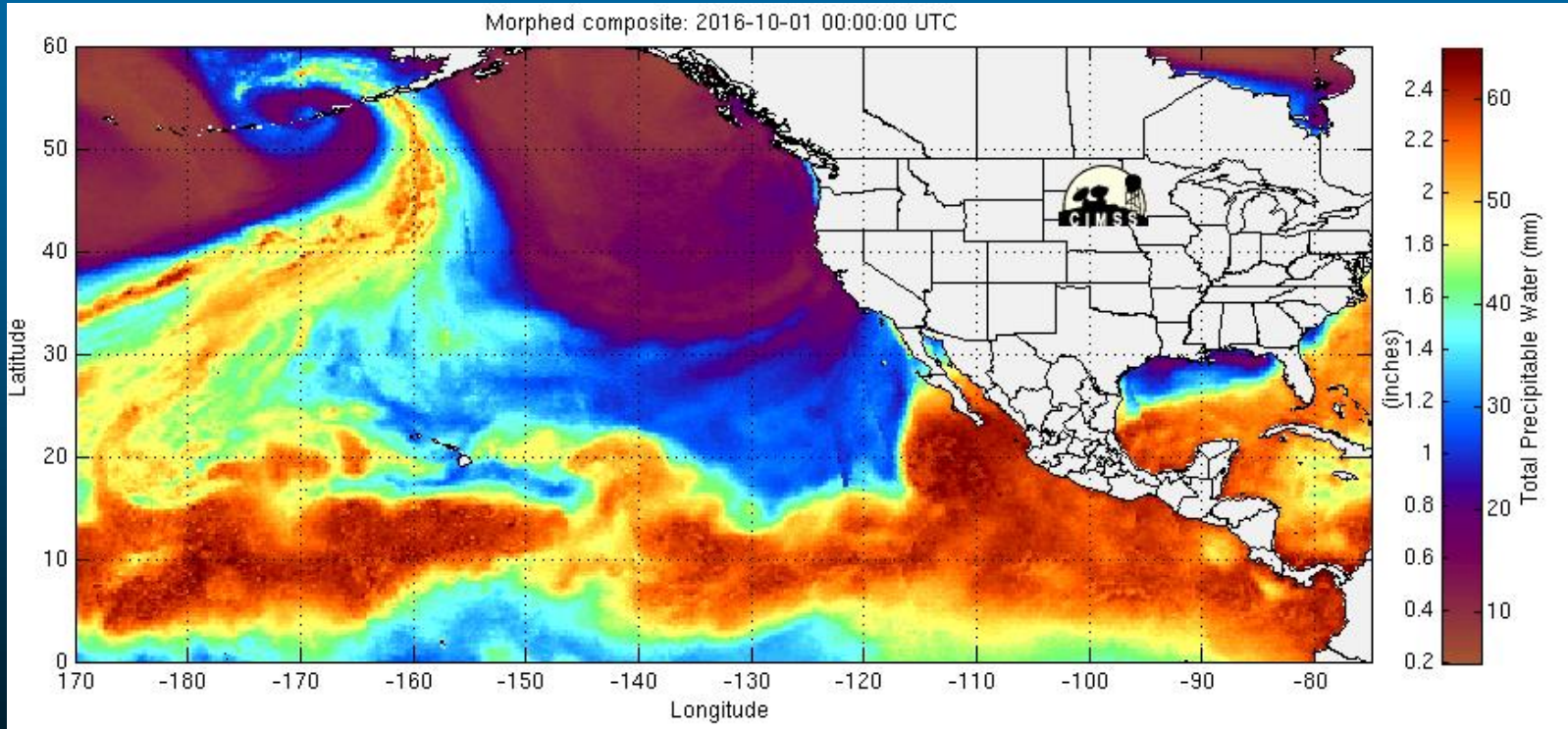
Working with Decision Makers in Reno-Tahoe: Stories from the Relentless Winter of 2016-17

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*Peavine Summit, Elev 8255'
January 1 2018*

If I Hear "Atmospheric River" One More ***** Time...



What Keeps Me Awake?

How much of a brat will my 2 year old be today?

Will I make it to work before the snow squall hits?

Am I out of Trader Joe's bourbon?



What Keeps Me Awake? (Professionally)

Complacency

Exposure

Selfishness



It Starts With Seasonal Outlooks...

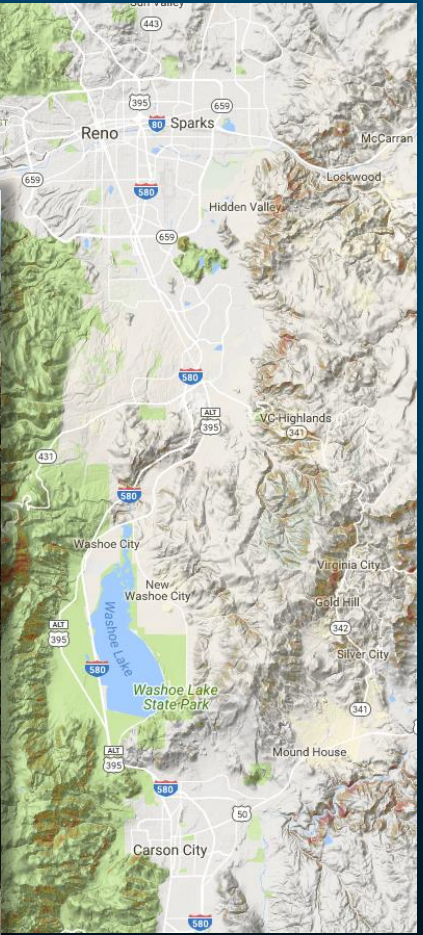
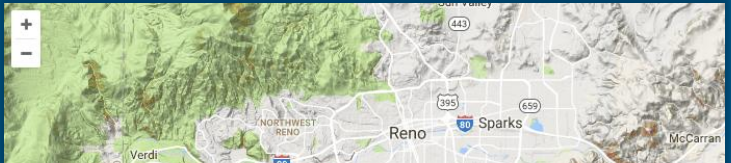


S



October 2016

Fire AND Floods Within 12 Hours.



January & February 2017 Back to Back River Floods. In a Desert.



Nevada Guard
@NVNationalGuard

Follow

Aerial photos of the Lemmon Valley flood scene taken today from a Nevada Army National Guard Blackhawk.



High Confidence in Widespread Flooding this Weekend

This is a once a decade event

Flooding may be similar to 2005

This is not a "I'll believe it when I see it" forecast
The time to prepare is now!

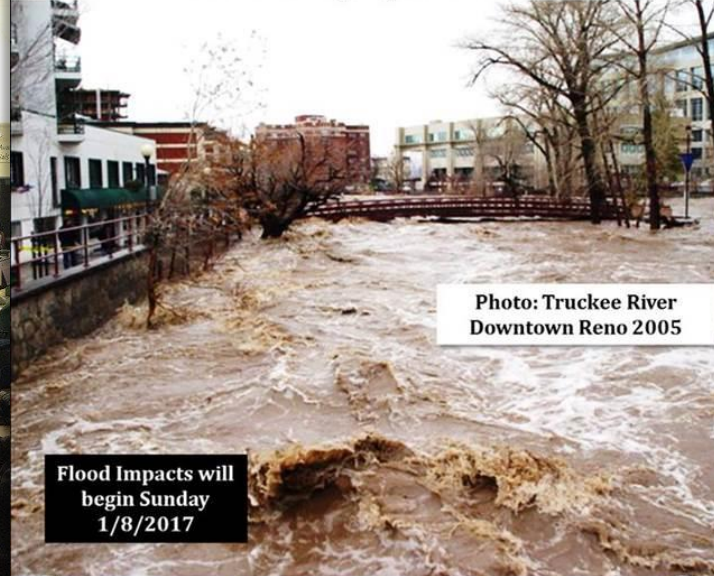


Photo: Truckee River
Downtown Reno 2005

Flood Impacts will
begin Sunday
1/8/2017



Reno National Weather Service

Forecasting for the Sierra and western Nevada since 1905



Reno National Weather Service

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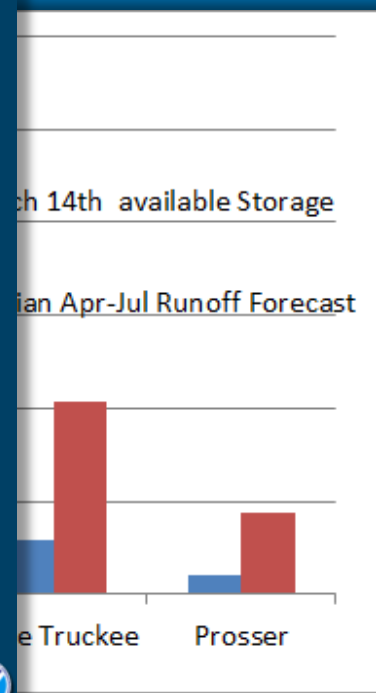
April, May, & June 2017

All That Snow is Coming Down. Somehow.

Situational Awareness - When Should I Freakout?

Chris' 7-Day Regional Freakout Forecast for the Sierra and western Nevada

	Today 5/21	Monday 5/22	Tuesday 5/23	Wed. 5/24	Thursday 5/25	Friday 5/26	Saturday 5/27
Wind	generally light winds under 10 mph			breezy W-SW winds, typical impacts		generally light winds under 10 mph	
Snow	no snow						
River & Snowmelt Flooding	snowmelt flows gradually increasing as temps warm; mainly minor flooding impacts overall	much warmer temps, rapid increase in flows especially Walker		for most areas - widespread minor to maybe moderate flooding issues as temperatures continue to warm; main-stem Walker likely to see major flooding!			likely still major on main Walker but less confidence on impacts
Flash Flooding (fast paced flooding of streams, poor drainage and steep terrain areas, rock slides, burn scar runoff)	no heavy rainfall signals, thankfully						
Thunderstorms	thunderstorm signals have faded; very isolated cells over the mountain areas possible		a few thunderstorms, mainly mountains but can't rule out valleys; no severe storms but could see localized heavy rain, gusty winds, lightning, hail				
Unusual Cold or Heat	no widespread freezes expected						
Fire Weather				carryover grasses could dry enough from heat to burn with gusty winds			
What Does This Mean? Integrates impacts and confidence	No worries 😄	Low freakoutness 😊		Moderate freakoutness 😐		High freakoutness 😞	
	End of this (aka really bad) 😡						



What Did We Learn?

Atmospheric River = red alert

Scenario forecasts help prepare

Wind - onion of the AR sandwich

Lead time. Lead time. Lead time.

