

# #FAKEWINTER

## 2017-18

How's It Going So Far?  
March Miracle?  
Big Fire Season Ahead?

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*Peavine Summit, Elev 8255'*

*January 1 2018*

# Most of Winter - Inversions & Fires!



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**CAL FIRE San Bernardino/Inyo/Mono Unit**  
21 hrs · 🌐

#PleasantFire evening update - 2250 acres, 25% containment. Fire activity was minimal today. Most evacuations were lifted.  
#CALFIREservingCA

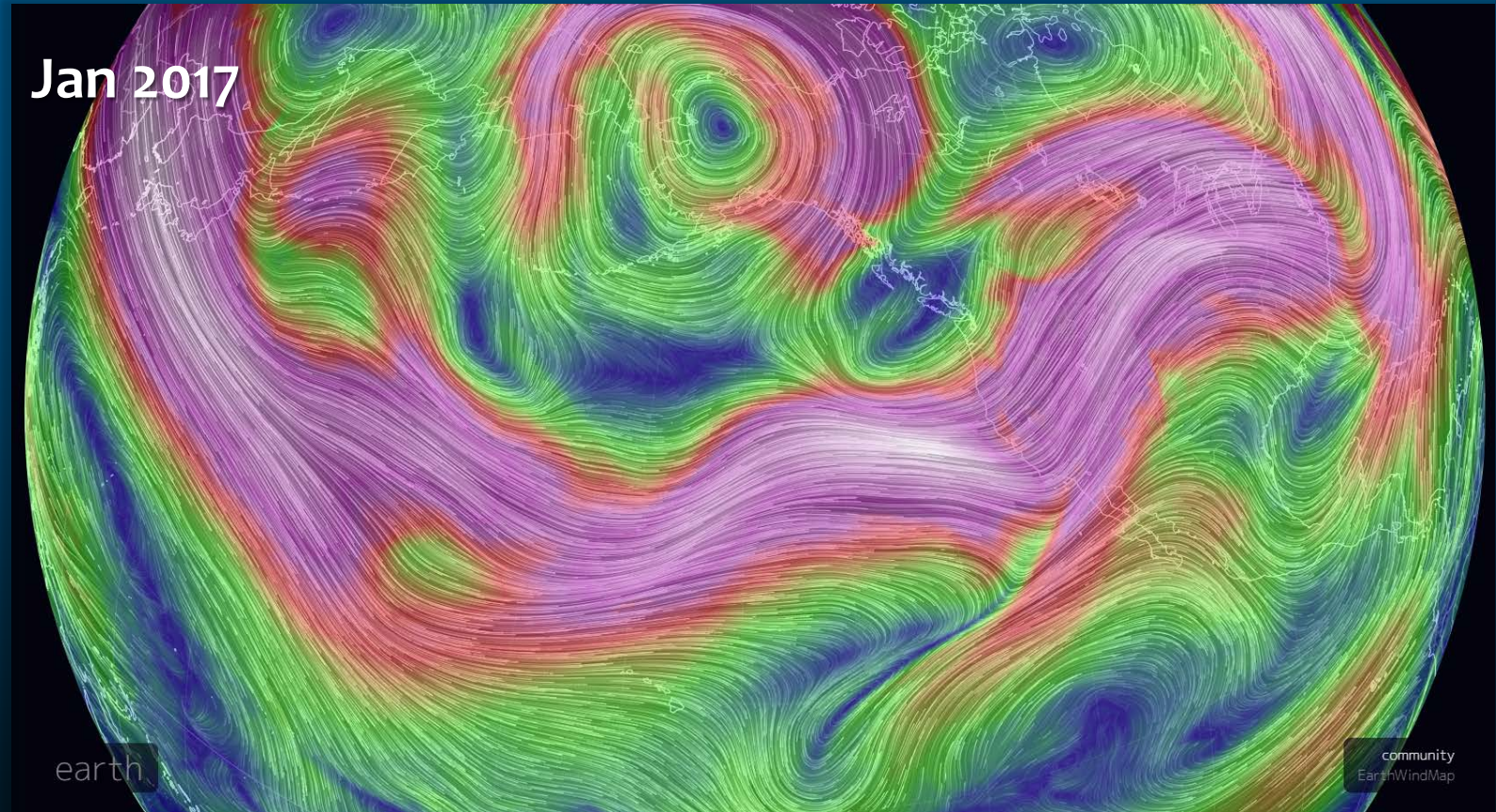
An aerial photograph showing a wide valley with a winding road and a fire line. The background features mountain ranges under a cloudy sky.

**Bishop Fire Department**  
Yesterday at 5:56am · 🌐

Here is a video from the Pleasant Valley Fire.

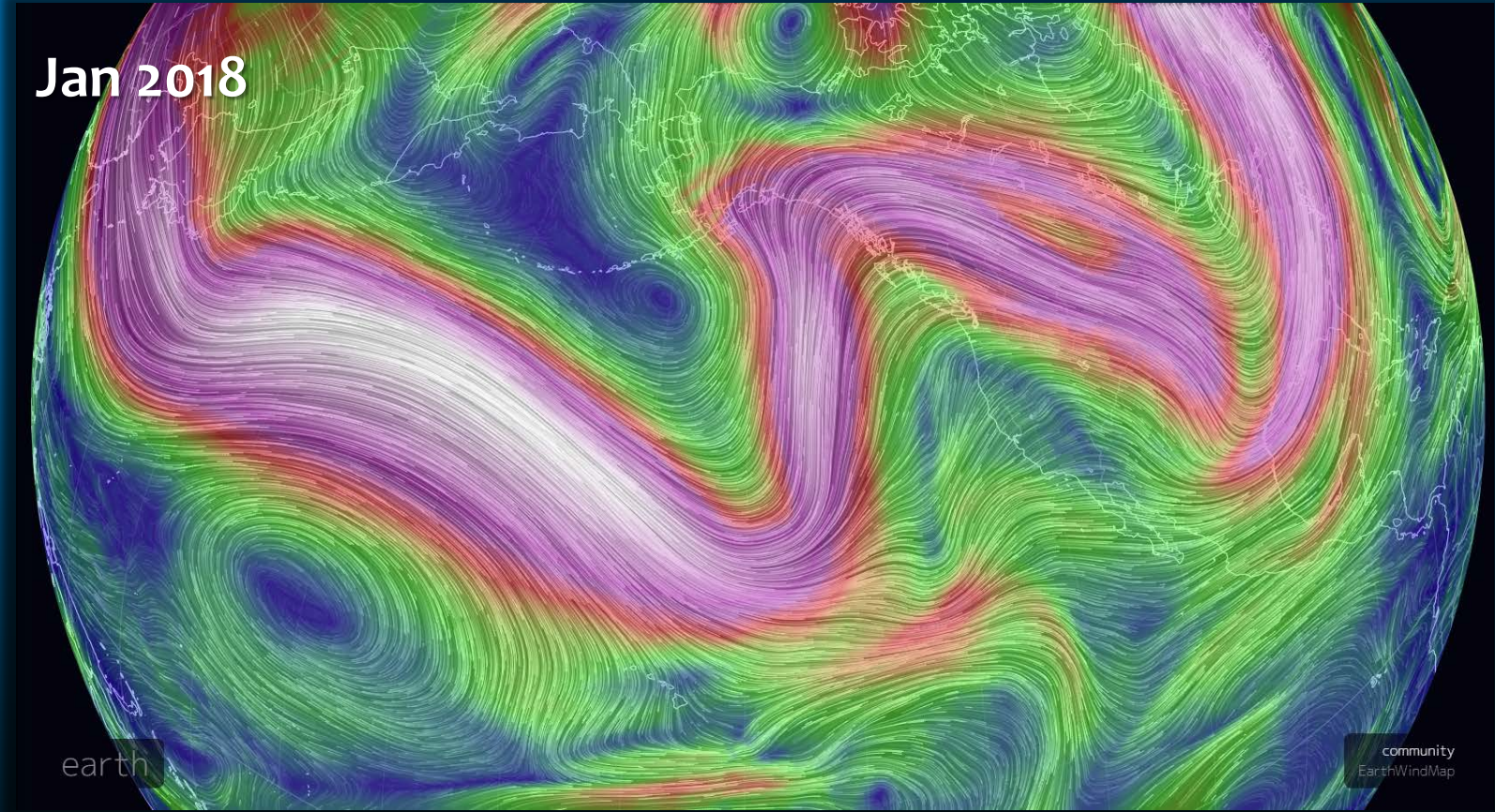
A video player showing a large fire with a utility pole in the foreground. The video is paused at 0:02. The player includes a play button, a progress bar, a settings gear, a share icon, a download icon, and a volume icon.

# 2016-17 vs 2017-18 – Storm Track



# 2016-17 vs 2017-18 – Storm Track

Jan 2018



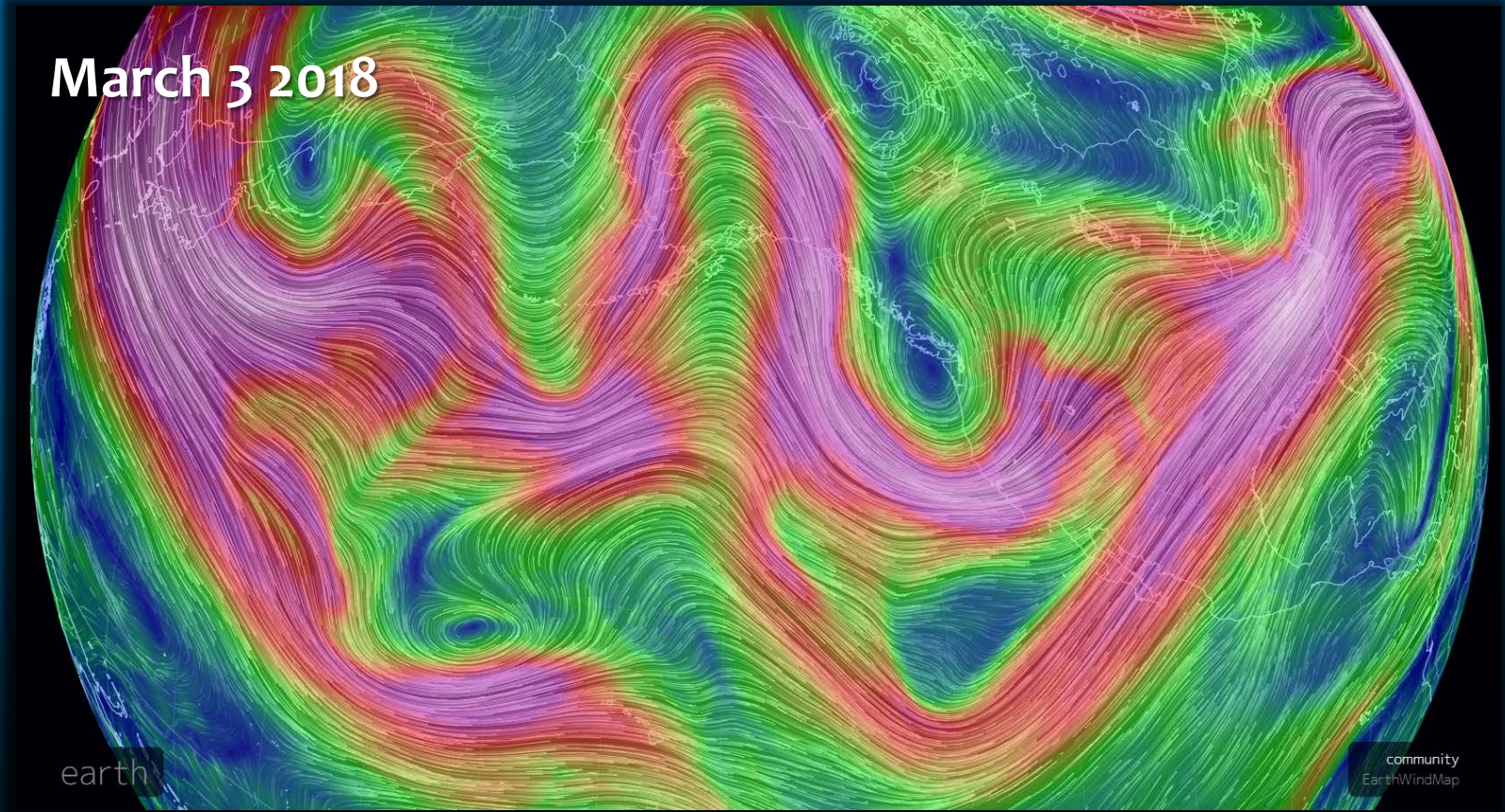
earth

community  
EarthWindMap



# 2016-17 vs 2017-18 – Storm Track

March 3 2018

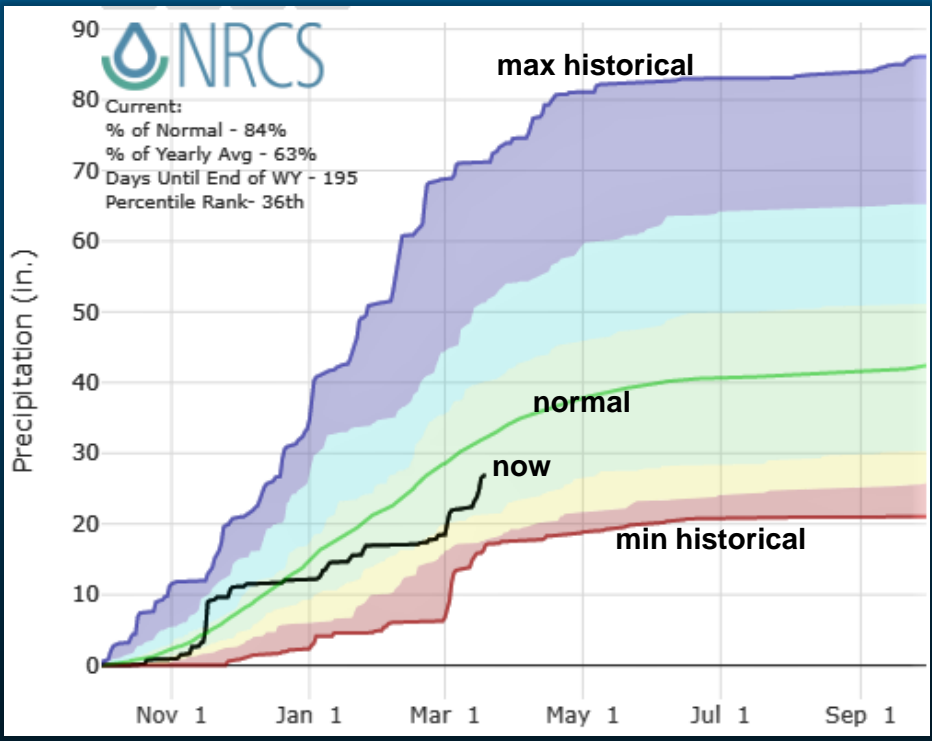


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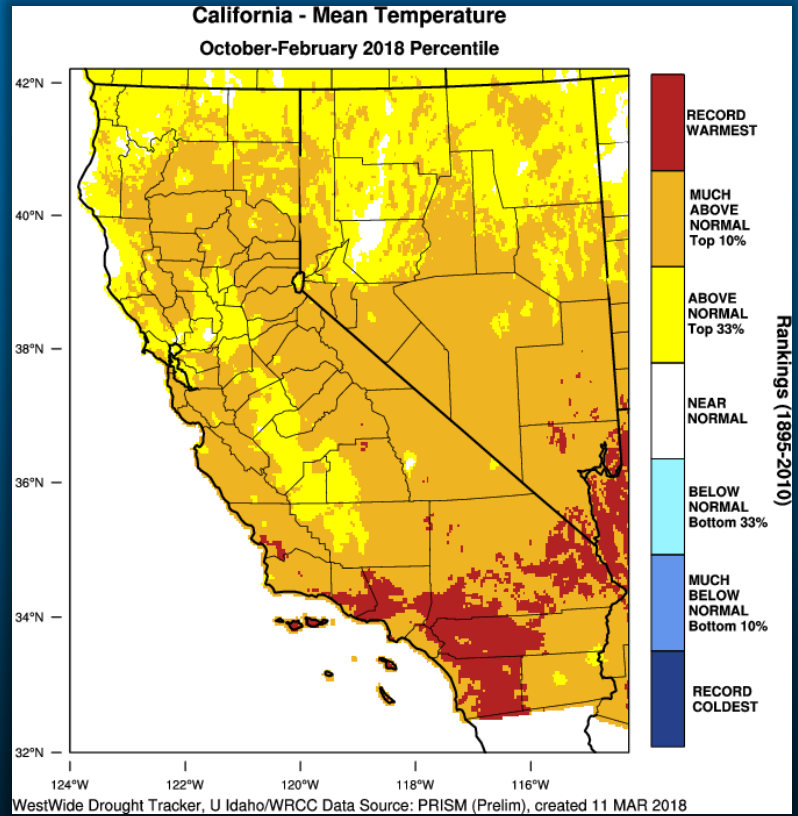
community  
EarthWindMap



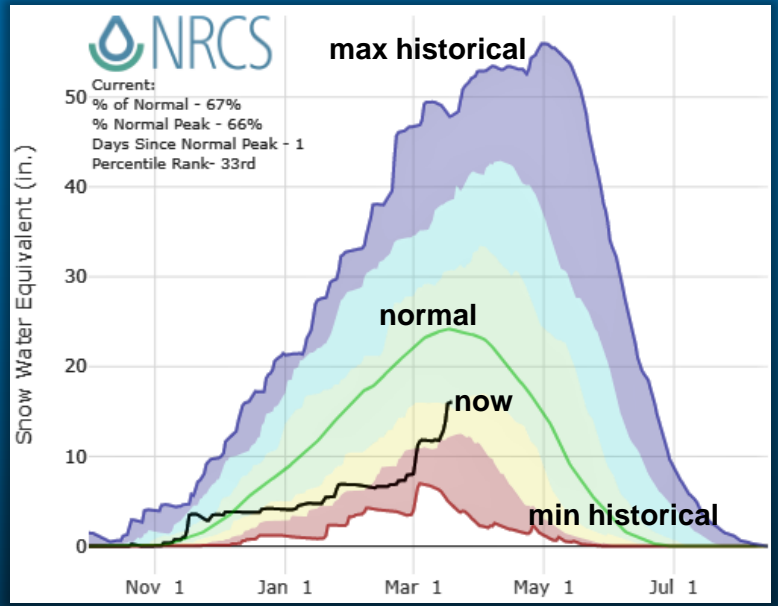
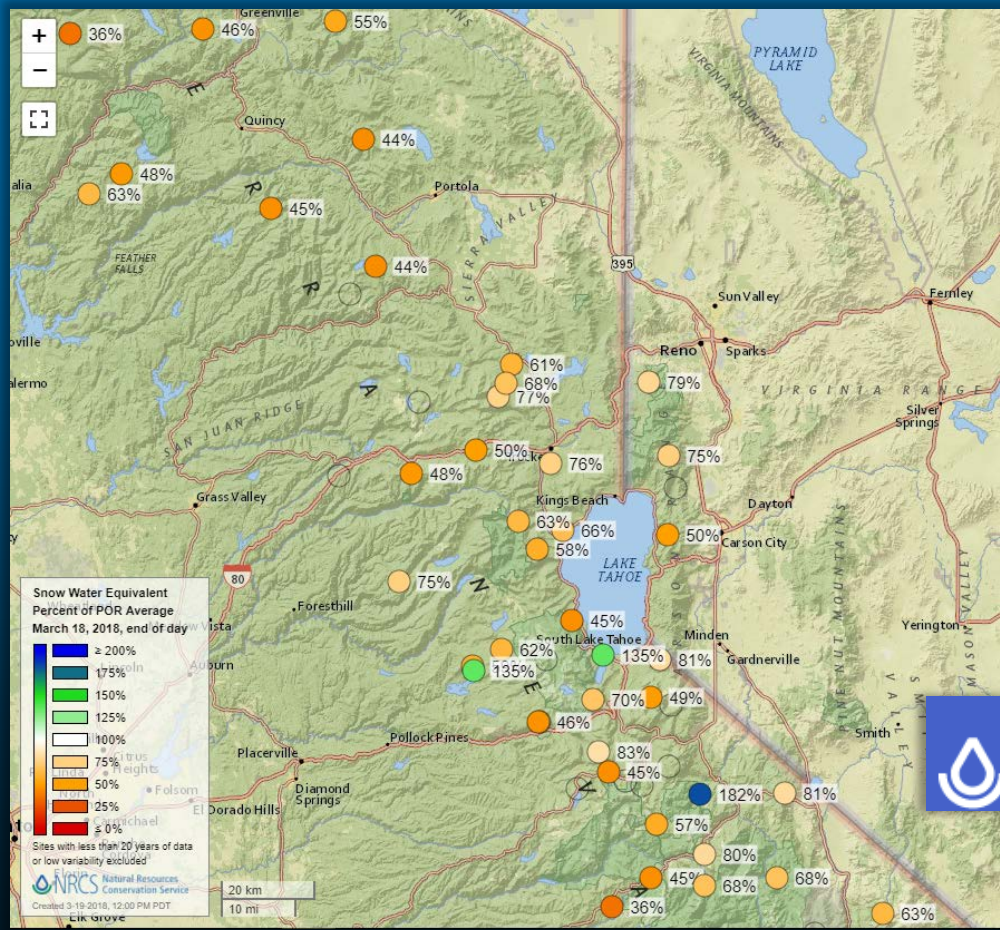
# How is Winter 2017-18 Going So Far?



Truckee River Basin Precipitation Since Oct 1



# Is This Another March Miracle for Snow??



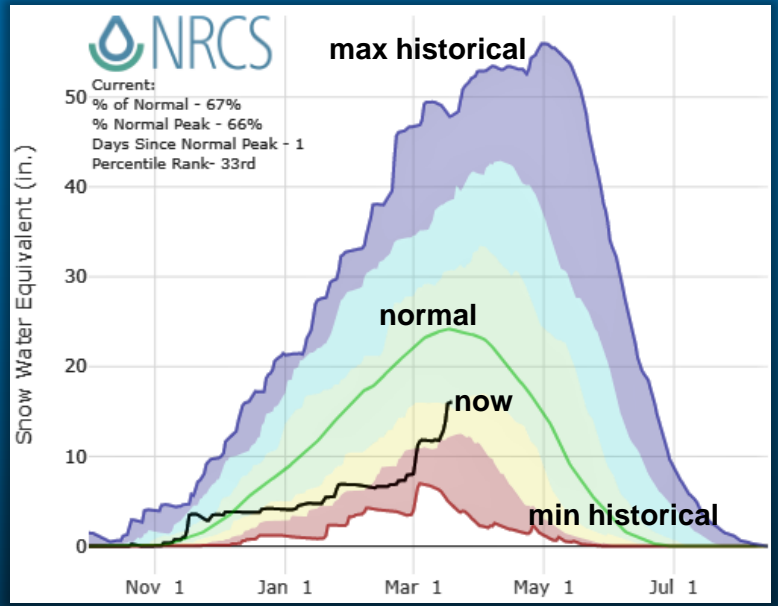
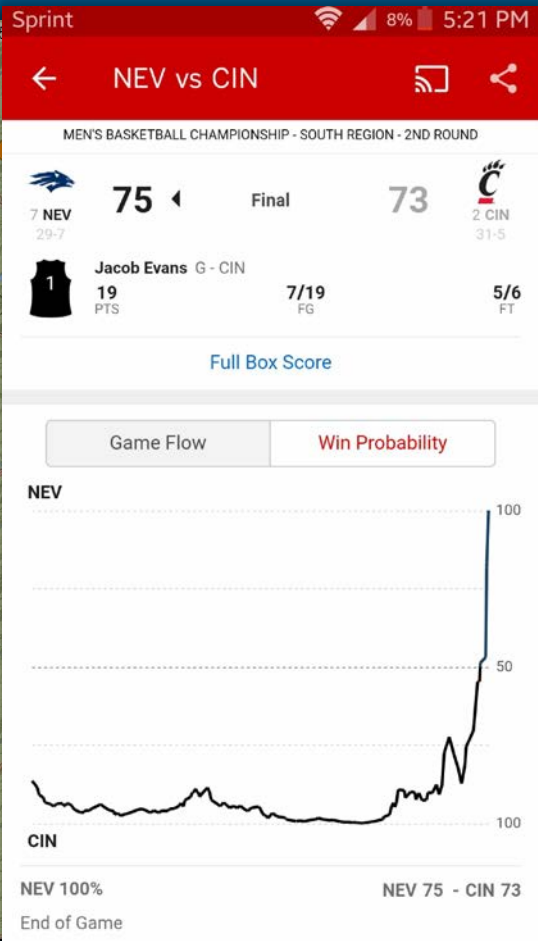
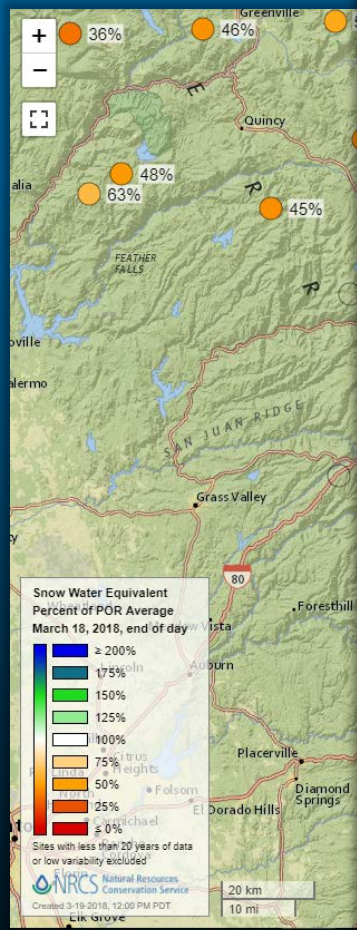
United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service  
 National Water and Climate Center

Reno National Weather Service  
 Forecasting for the Sierra and western Nevada since 1905





# Is This Another March Miracle for Snow??



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# Rest of Spring into Summer?

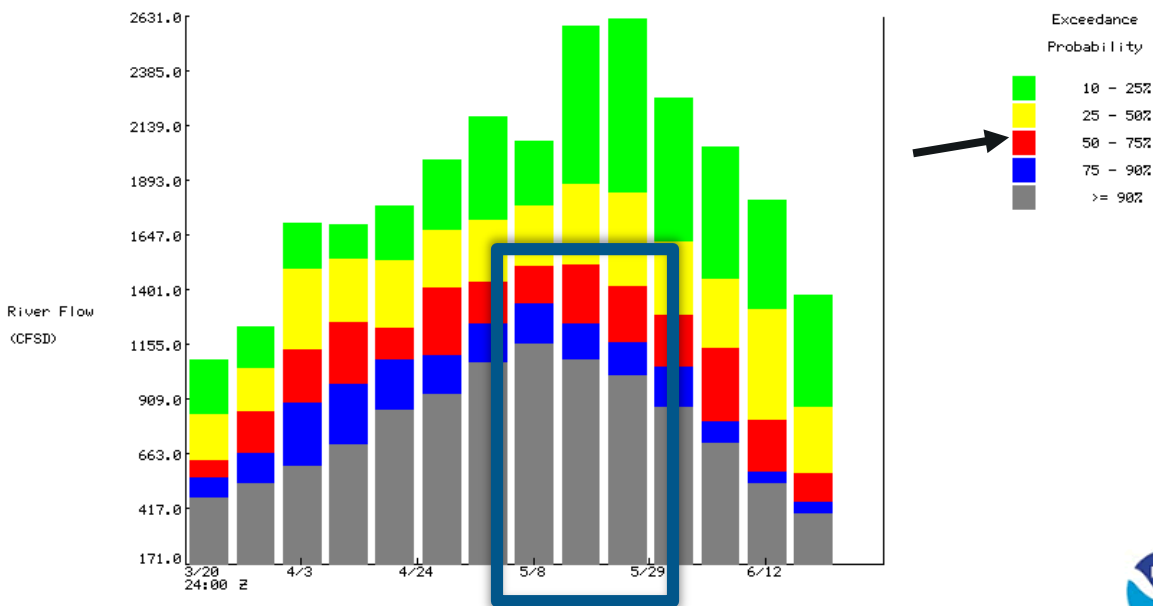


# Water Truckee River Flows Below Normal, Peaking Earlier

## TRUCKEE RIVER - FARAD (FARC1)

Latitude: 39.43° N Longitude: 120.03° W Elevation: 5153 Feet  
 Location: Nevada County in California River Group: Eastern Sierra  
 1 Week Chances of Exceeding River Levels

TRUCKEE RIVER - FARAD (FARC1) - 1 Week Chances of Exceeding River Levels  
 Latitude: -999.0 Longitude: -999.0  
 Forecast for the period 3/20/2018 - 6/26/2018  
 This is a conditional simulation based on the current conditions as of 3/20/2018

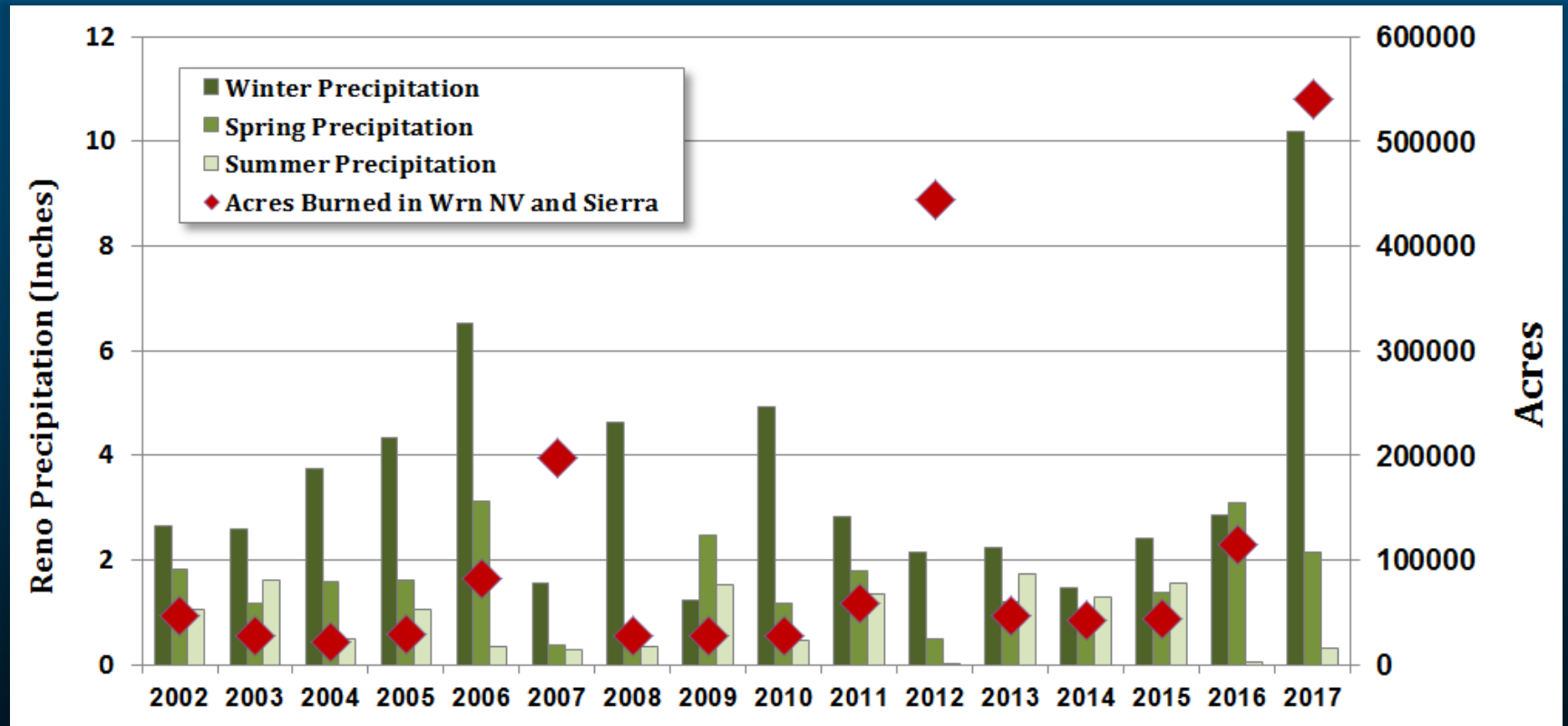


# 90%

Total Flow April-July  
Percent of Normal



# Fire Outlook Big Reason for Concern this Year



# Situational Awareness - When Should I Freakout?

Chris' Seasonal Regional Freakout Forecast for the Sierra and western Nevada

	March	April	May	June	July	August
<b>Flooding</b> (from snowmelt)	No big worries with 60-80% snowpack.	Increase in river flows with expected earlier peak snowmelt.	Near to below normal snowpack yields only minimal flood risk, even in sudden heatwaves. Peak flows likely in May. Much of the snowpack could be melted off by Fathers Day in June!		Snow just about gone.	Snow is gone.
<b>Flooding</b> (from atmospheric rivers, thunderstorms)	Still a heightened flood risk from prolonged, warm AR storms. Soils quite wet, leftover from last winter! Closed basins, creeks/streams most prone.		A little late for flood producing AR events.	Localized flash flooding from thunderstorms, especially in urban areas, steep terrain, and recent high intensity burns. No particular signal to indicate summer will see above or below numbers of thunderstorm days.		
<b>Wildland Fire</b>	Wind driven grass fires possible lower elevations after prolonged dry spells. Large amounts of fuels left after 2017.		Probably a ramp up in fire activity lower elevations, depending on spring rains.	<b>Enhanced risk for large wildland fires</b> due to 1) tons of carryover lower elevation vegetation from 2017 + new growth from wet March 2018, 2) more limited snowpack may open up mid-higher elevations + timber to increased fire risk. Could start in May but June-September likely prime season. Wet summer would mitigate fire risk, but not predictable.		

**What Does This Mean?**  
Integrates impacts and confidence

No worries 😄	Low freakoutness 😊	Moderate freakoutness 😐	High freakoutness 😞	Really bad 🤯
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