

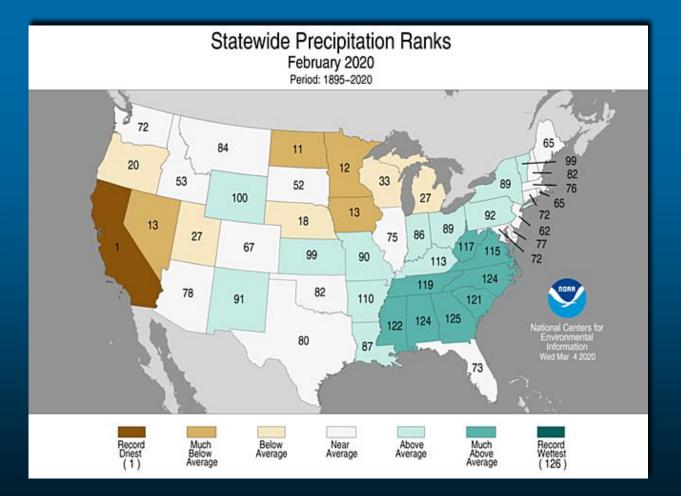


Where Did Winter Go!?

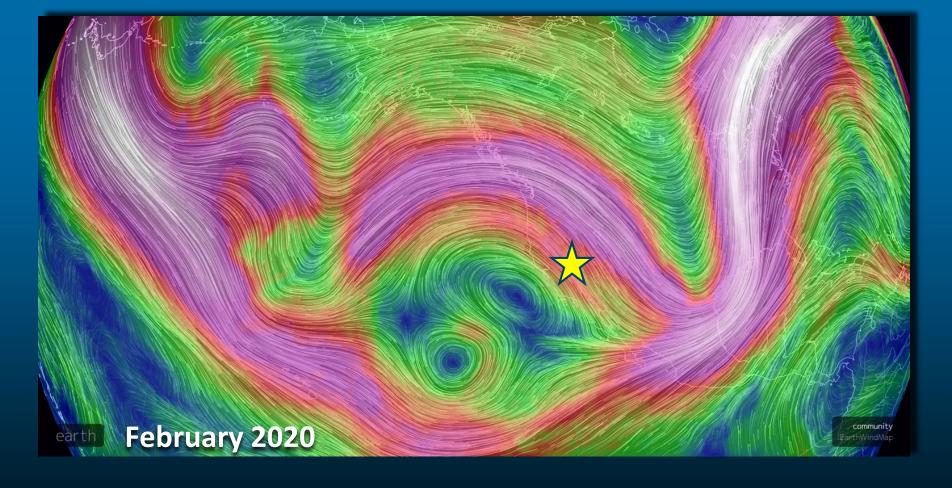
Weather and Water Outlook for Spring-Summer 2020

chris.smallcomb@noaa.gov

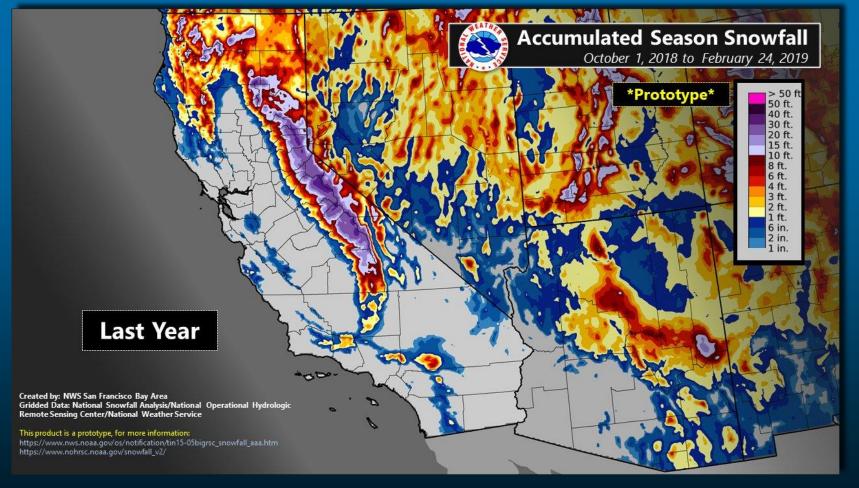






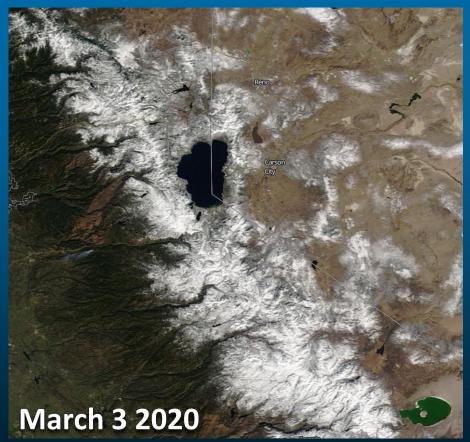




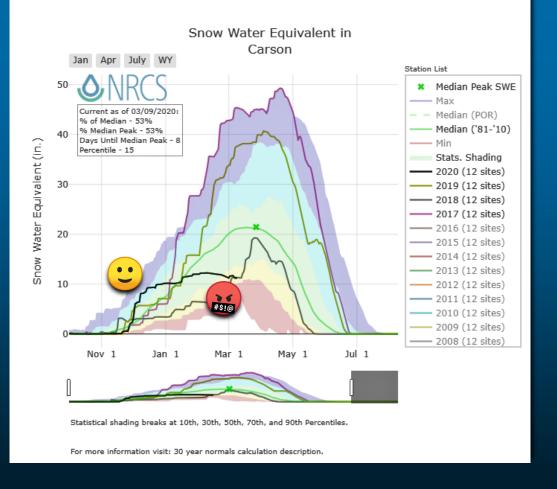












53%

Snowpack, vs median 3/9

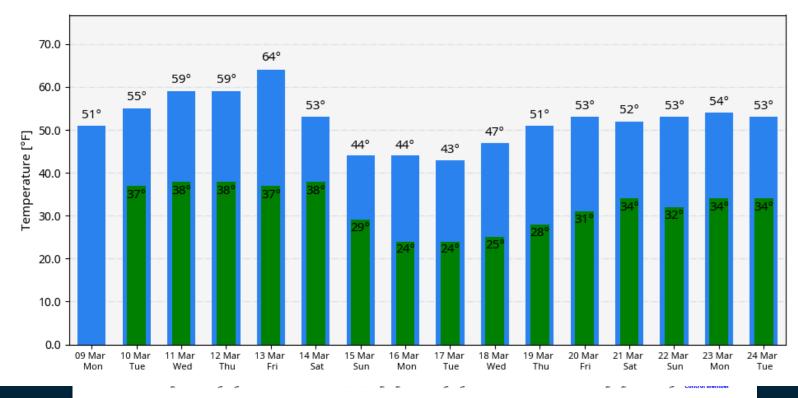
53%

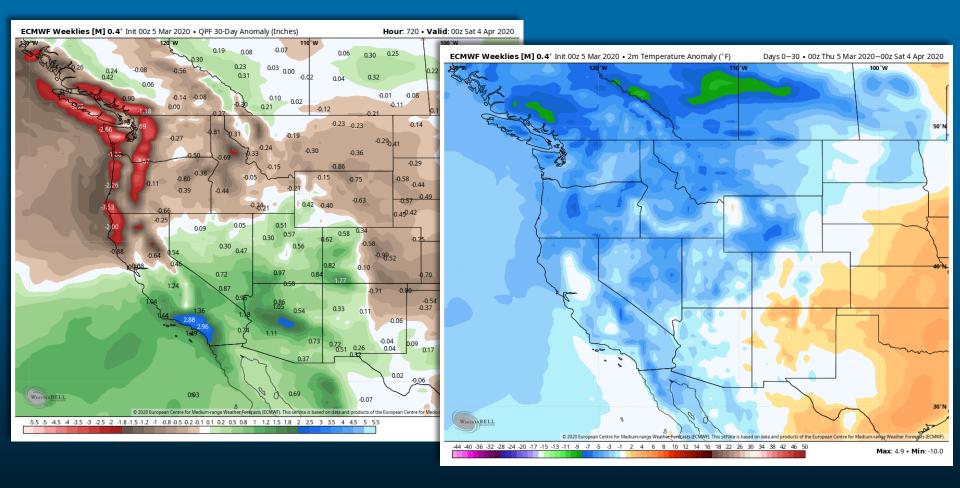
Total precip, vs average 10/1-3/9

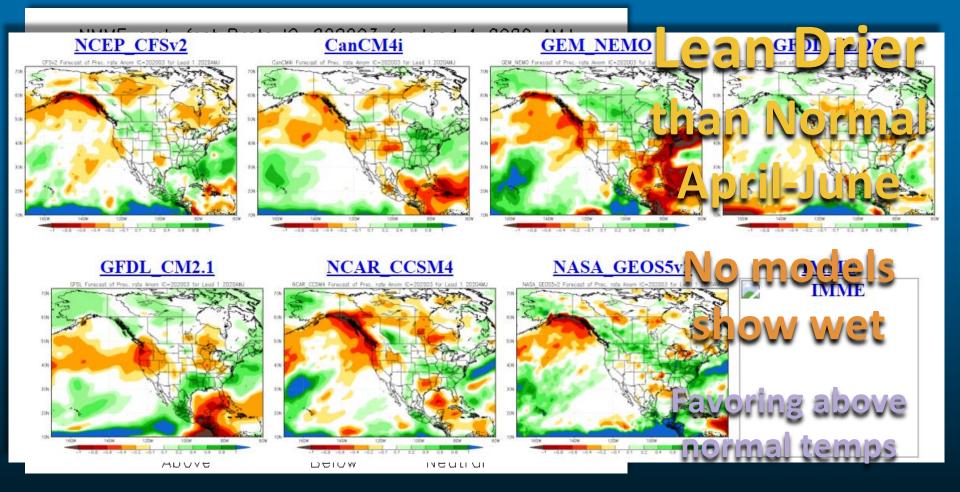


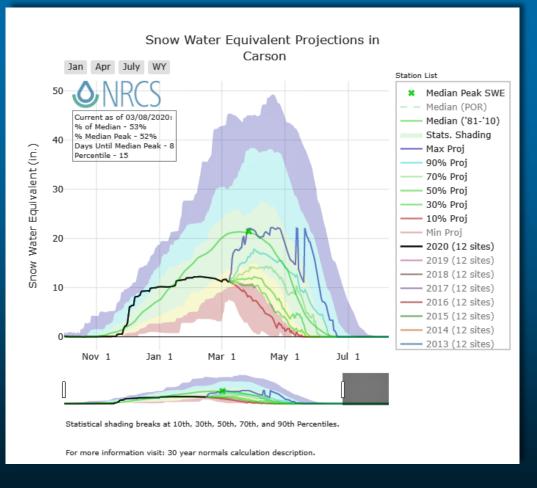
Daily High/Low Temperature • GEFS Downscaled MOS 2.5km Init 12z 9 Mar 2020 **Carson Airport •** KCXP [39.1922°N, 119.734°W]











1 in 50

Tim & Chris Odds of SWE "Recovery" in Carson River Basin by early April.

Forecast ESP Water Supply Seasonal Volume (WY2020) Reno Sparks Carson City Lake Tahoe Percent of Normal

April-July Water Supply Outlook

41%

Headwaters, % of avg.

18%

Carson-Lahontan, % of avg.



2020 Forecast is

18%

Lahontan Inflow, % of avg.



186 97

2019 2018

3

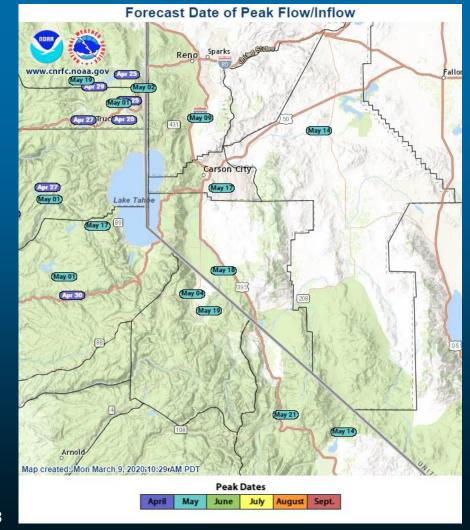
2017

2016

2014 & 2015

2013

Compare to Previous Years



Peak Flow Timing

May 4

W Carson Headwaters

May 14-19

E Carson & Main Stem



Carson @ Carson City

April								
S	М	Т	W	Т	F	S		
29	30	31	1	2	3	4		
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	1	2		
3	4	5	6	7	8	9		

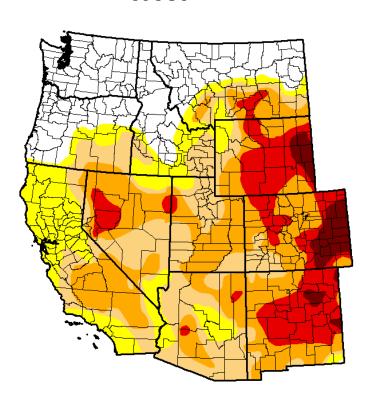
May						
S	М	Т	W	Т	F	S
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

June							
S	М	Т	W	Т	F	S	
31	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	1	2	3	4	
5	6	7	8	9	10	11	

Snowpack volume AND spring weather play key roles in timing.



U.S. Drought Monitor West



March 5, 2013

(Released Thursday, Mar. 7, 2013) Valid 7 a.m. EST

D0 Abnomally Dry

D1 Moderate Drought D2 Severe Drought

D3 Extreme Drought D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast

Matthew Rosencrans CPC/NCEP/NWS/NOAA









http://droughtmonitor.unl.edu/

Drought has crept back into the region since October 1st.

Nowhere near as bad and extensive vs 2013 "analog" year.





Three Category Rating
System for Impacts

Base - a.k.a. CYA (EAS/no WEA)

<u>Considerable</u> - impact populated areas, roads, debris flows (EAS/WEA)

<u>Catastrophic</u> - devastation, emergency, major dam failure (EAS/WEA)



Flash Flood Warning

Valid Until 09:30 PM PDT Saturday July 21st, 2018

Safety Information



Avoid walking or driving through flood waters!



Move immediately to higher ground!

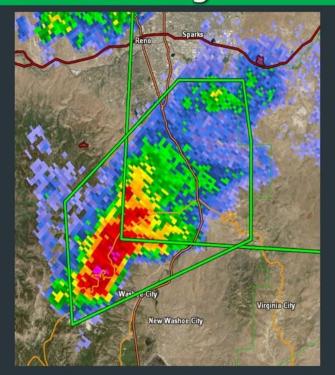
Potential Exposure



Communities: Reno, Damonte Ranch, Galena, & Mt. Rose Ski Area

Threat Information

AT 631 PM PDT...DOPPLER RADAR INDICATED THUNDERSTORMS PRODUCING HEAVY RAIN NEAR GALENA. RADAR ESTIMATES UP TO TWO INCHES OF RAIN HAVE ALREADY FALLEN. FLASH FLOODING IS EXPECTED TO BEGIN SHORTLY.









Carson Valley, viewed from Prison Hill, Feb 9th

