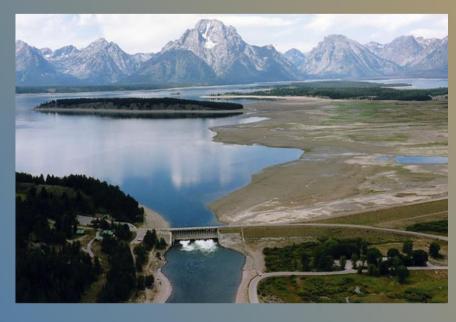
# RECLANIATION Managing Water in the West

Upper Snake Watershed Operations Outlook

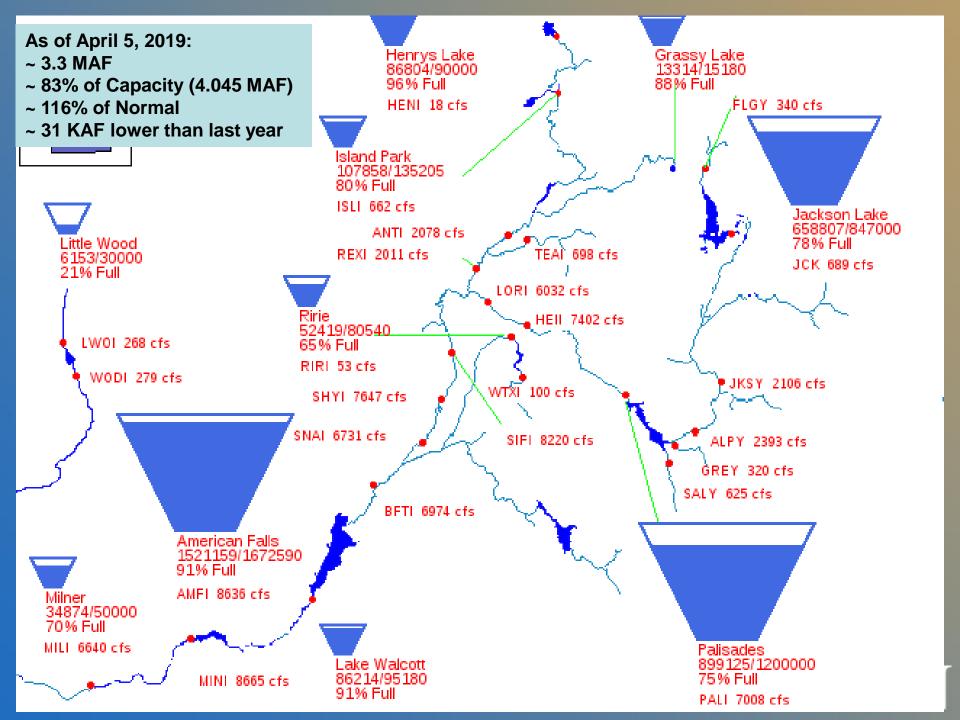
**April 2019** 

Tuesday April 9, 2019



#### Outline

- Reservoirs' Status
- April 2019 Forecasts
- Upcoming reservoir operations
- Short- and long term climate outlooks
- Operational Summary



SNAKE BASIN ABOVE AMERICAN FALLS								
Base Camp	7060	17.0	15.2	112	20.9	20.7	101	
Black Bear	8170	44.6	37.1	120	43.1	37.9	114	
Blind Bull Sum	8650	23.8	23.3	102	18.6	19.3	96	
Cottonwood Creek	7670	20.5	20.9	98	25.4	24.4	104	
East Rim Divide	7930	10.8	10.2	106	11.6	11.7	99	
Grand Targhee	9260	43.0	38.7 <sub>R</sub>	111	31.4	30.7 <sub>R</sub>	102	
Granite Creek	6770	17.8	14.3	124	20.1	19.5	103	
Grassy Lake	7265	33.4	31.4	106	37.0	35.6	104	
Gros Ventre Summit	8750	8.7	12.9	67	11.6	12.8	91	
Gunsight Pass	9820	12.6	13.9 <sub>C</sub>	91	15.2	13.8 <sub>C</sub>	110	
Island Park	6290	16.5	13.3	124	22.3	18.0	124	
Lewis Lake Divide	7850	36.1	30.0	120	37.9	35.1	108	
Loomis Park	8240	14.9	13.8	108	16.6	17.2	97	
Oxford Spring	6740	-M	5.2	*	19.6	17.3	113	
Phillips Bench	8200	29.4	25.5	115	31.3	27.9	112	
Pine Creek Pass	6720	16.6	13.7	121	22.2	21.1	105	
Salt River Summit	7640	13.4	12.7	106	16.0	16.5	97	
Sedgwick Peak	7850	23.6	18.6	127	24.1	21.6	112	
Sheep Mtn.	6650	14.2	10.5	135	17.8	16.4	109	
Slug Creek Divide	7225	15.8	13.5	117	21.4	20.7	103	
Snake River Station	6920	19.1	14.8	129	25.1	22.2	113	
Somsen Ranch	6800	13.0	10.2	127	17.7	16.5	107	
Spring Creek Divide	9000	23.0	22.5	102	23.4	23.6	99	
Thumb Divide	7980	19.2	14.7	131	18.7	18.4	102	
Togwotee Pass	9580	23.3	22.2	105	24.2	24.1	100	
Two Ocean Plateau	9240	30.0	26.2	115	25.2	26.9	94	
White Elephant	7710	37.5	25.8	145	37.5	29.7	126	
Wildhorse Divide	6490	20.0	15.3	131	25.4	19.6	130	
Willow Creek	8080	31.2	28.4	110	34.4	33.3	103	
Basin Index (%)				114			107	ATION

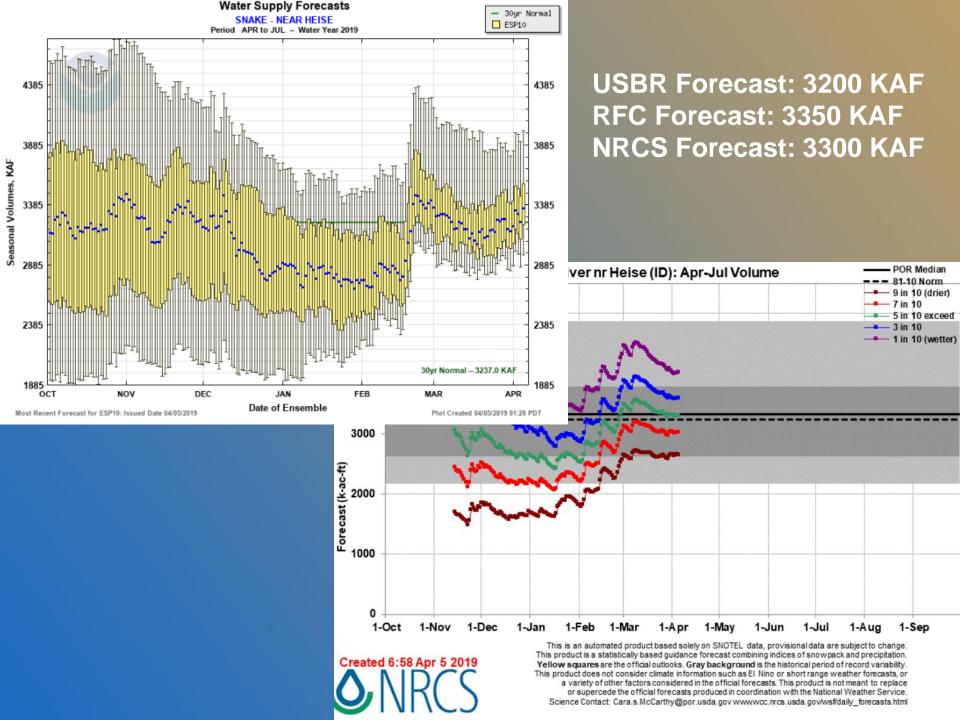
# 2019 April 1 Runoff Forecasts (Apr – July)

```
    Heise = 99% Average* (3200 KAF)
```

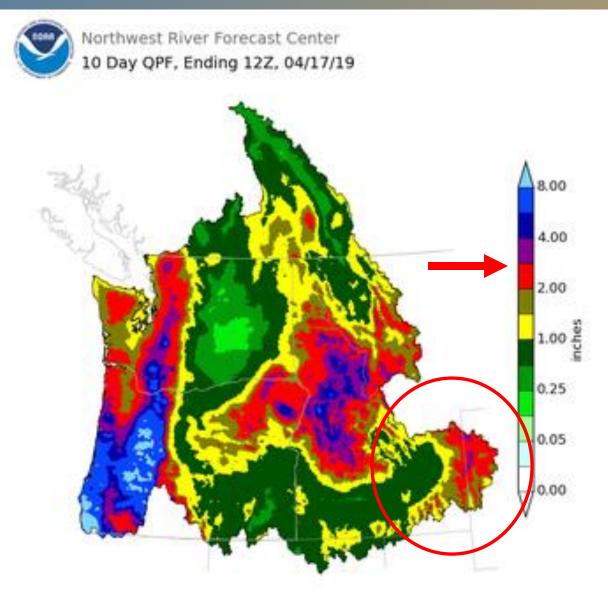
- Jackson = 104% Average (794 KAF)
- Ririe = 121% Average\*# (76 KAF)
- Island Park = 115% Average (247 KAF)

% Average based on 1981-2010 period Assumes normal subsequent conditions

<sup>\*</sup> Coordinated Forecast with USACE # Apr-Jun Forecast Period

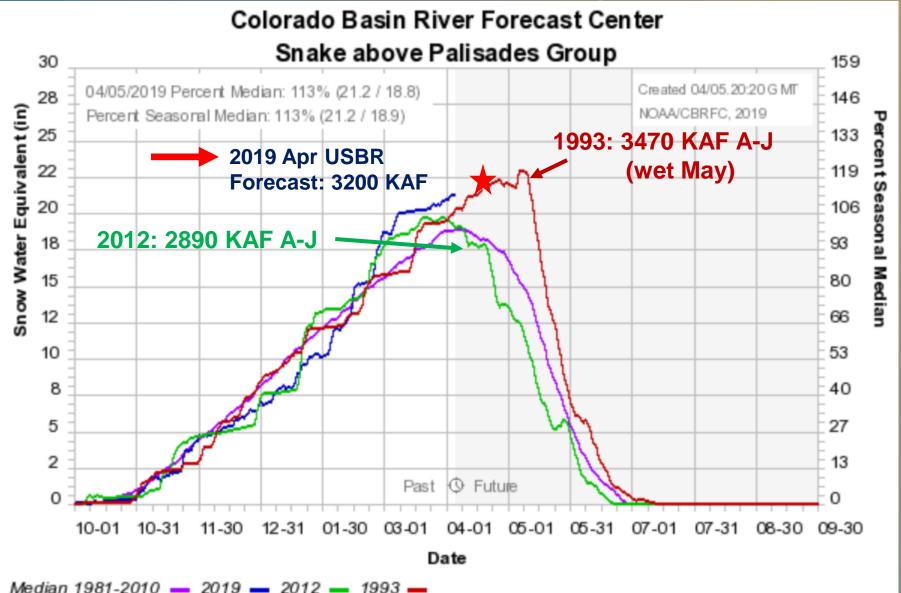


# 10 Day Forecast



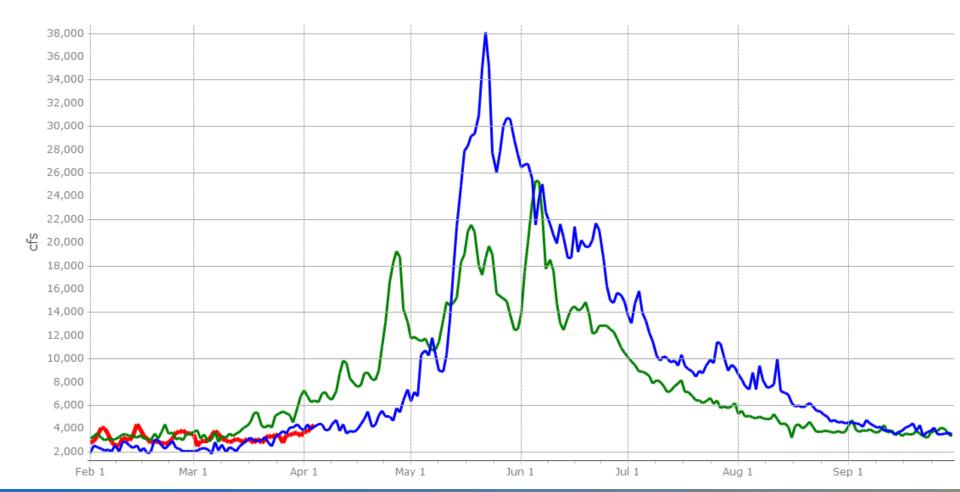


#### Palisades Snow Comparison

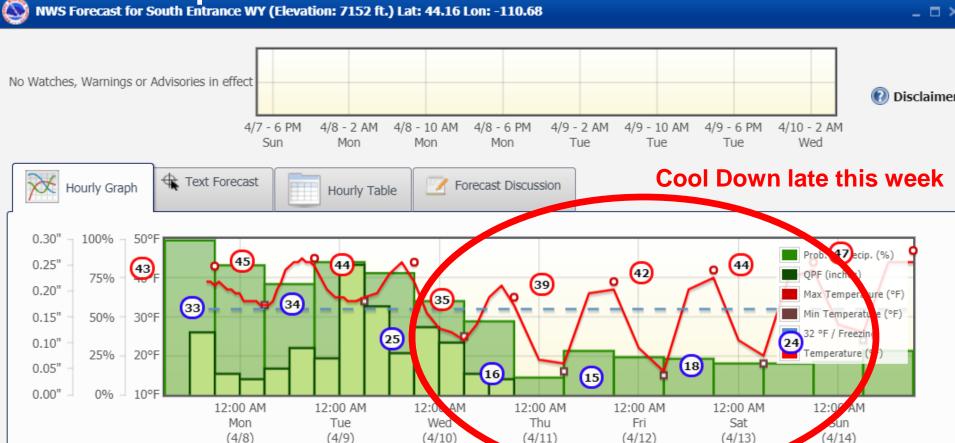


Snake River Inflow above Heise, ID

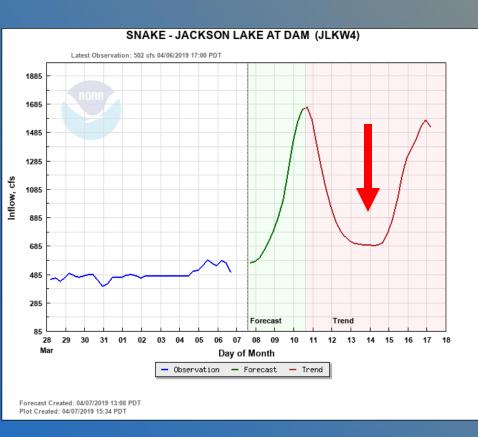


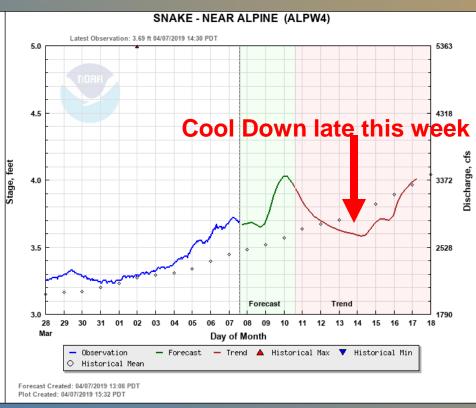


# Weather Forecast upstream of Jackson Lake

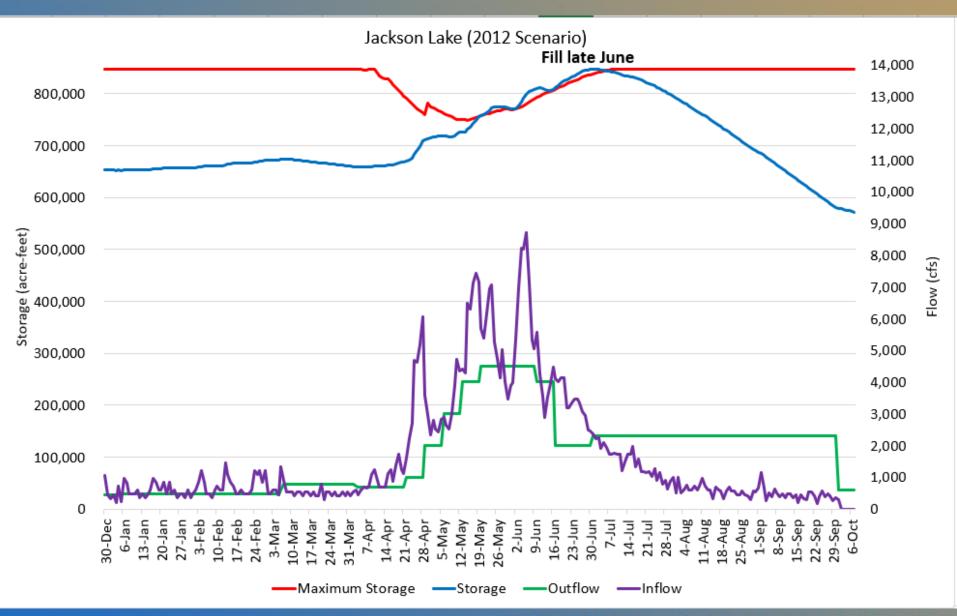


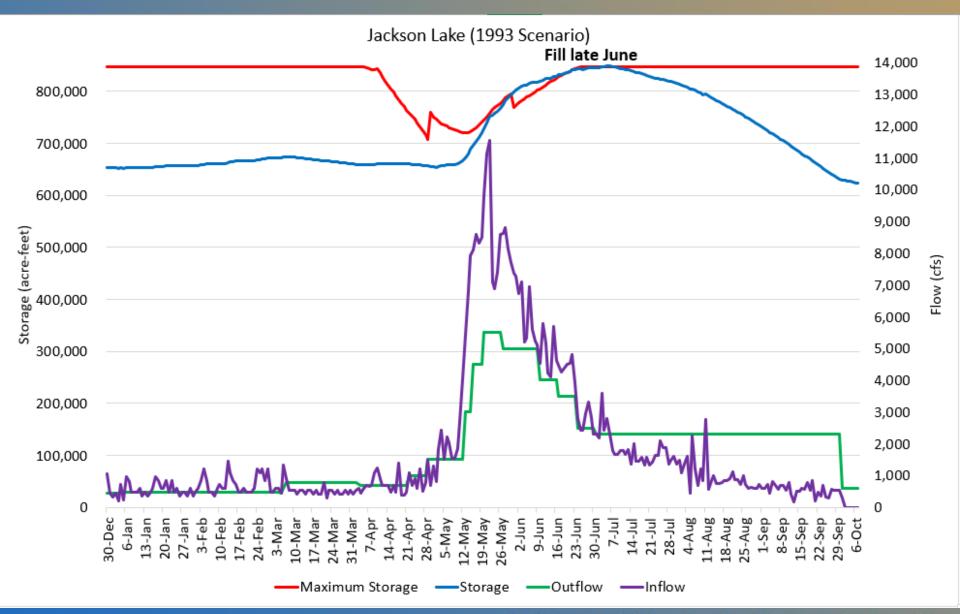
# Current Jackson/Palisades Inflow Forecast



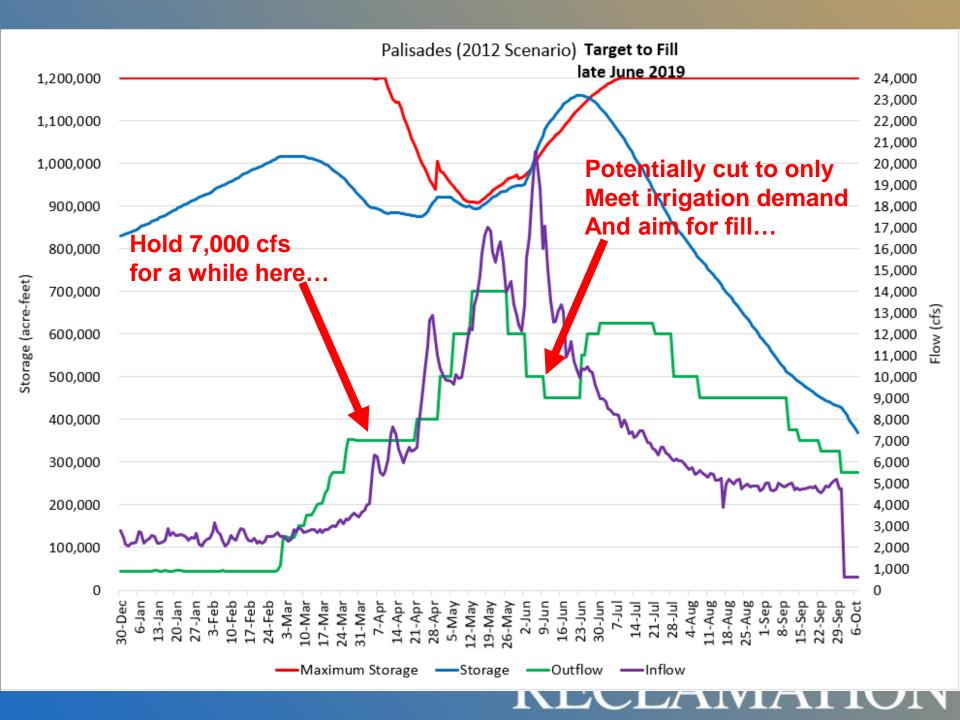


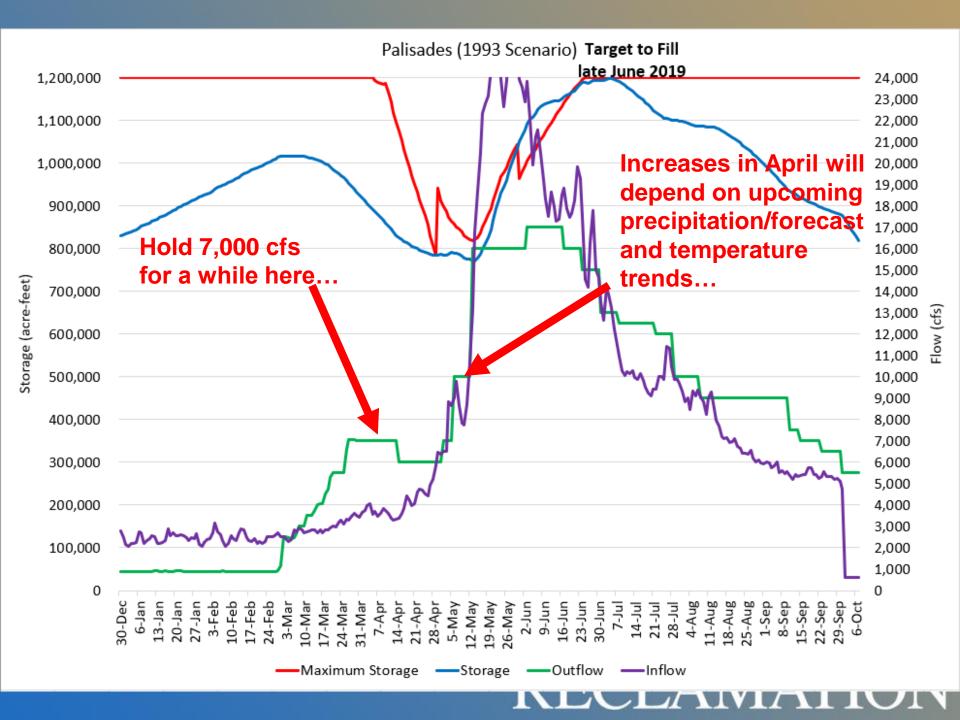
# Jackson Lake



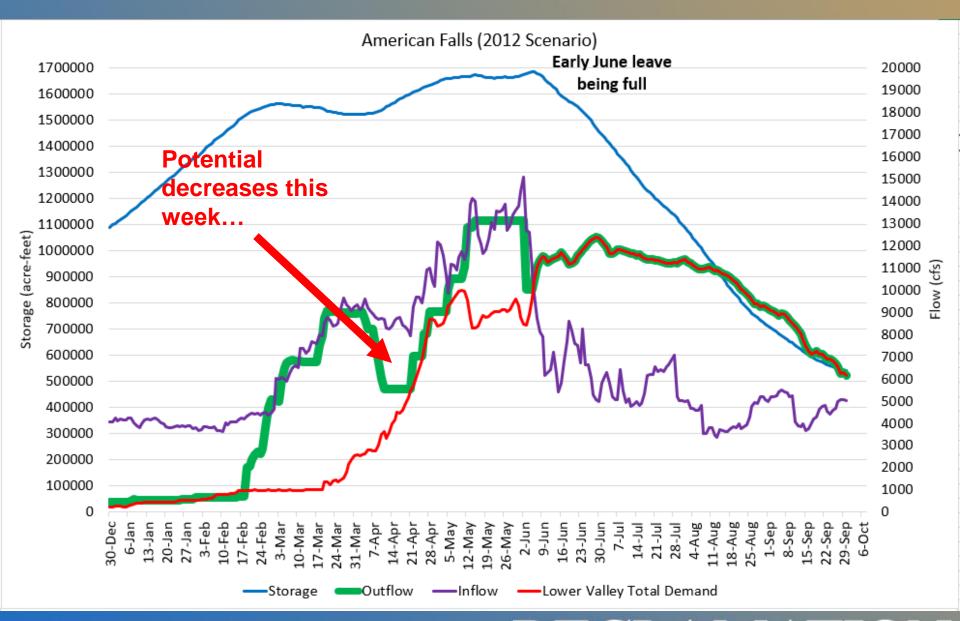


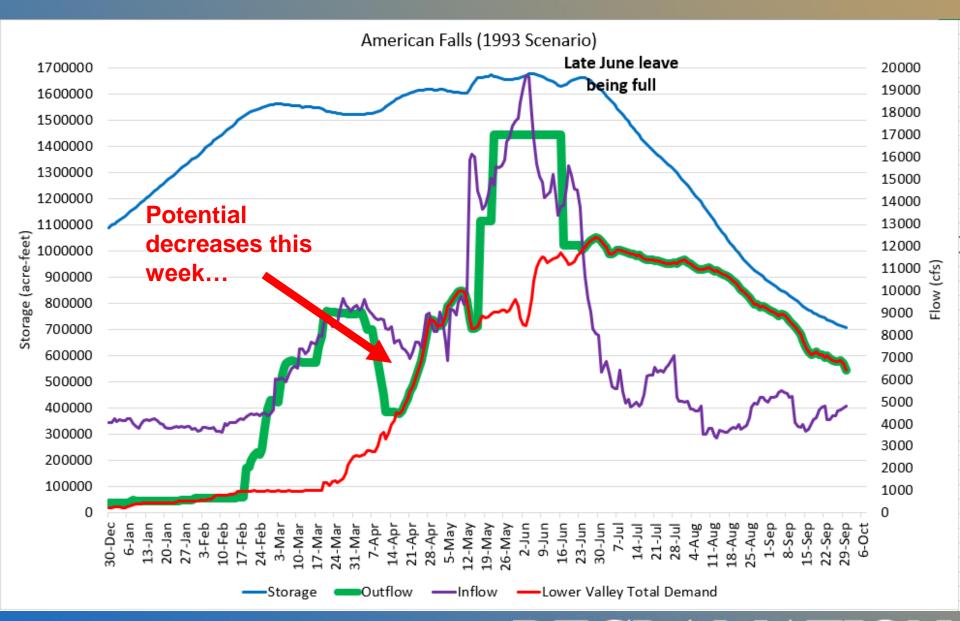
## Palisades



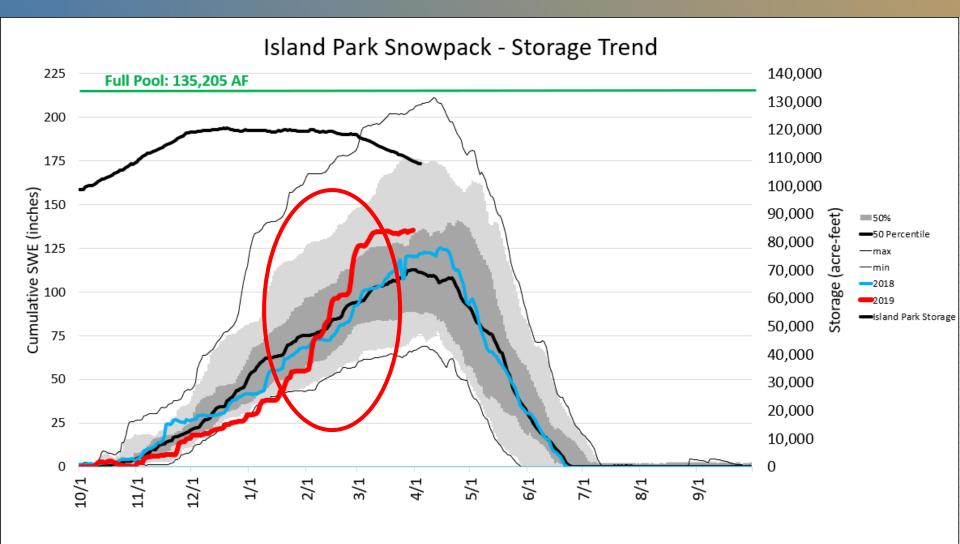


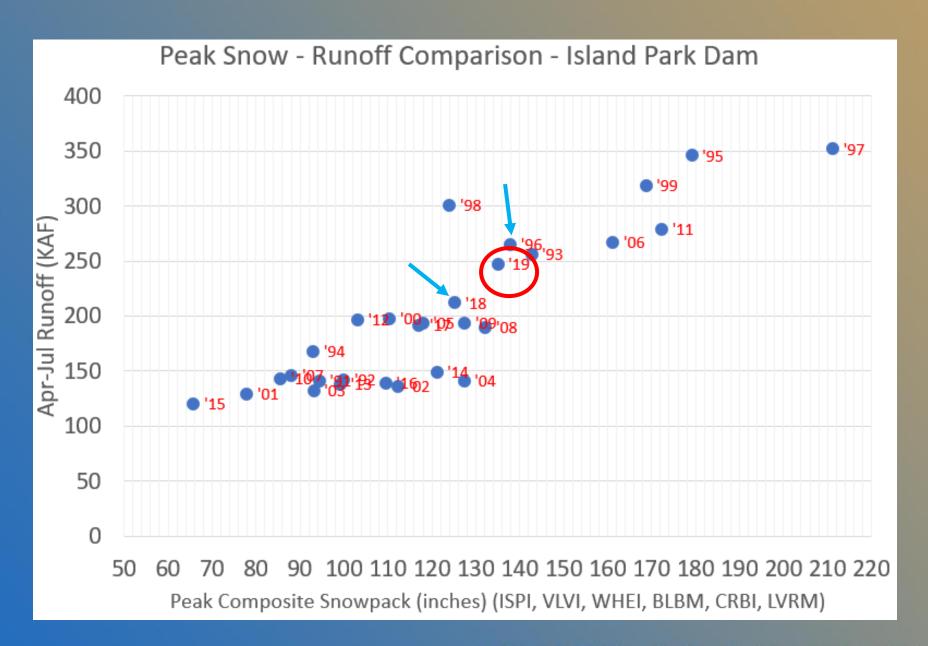
# American Falls



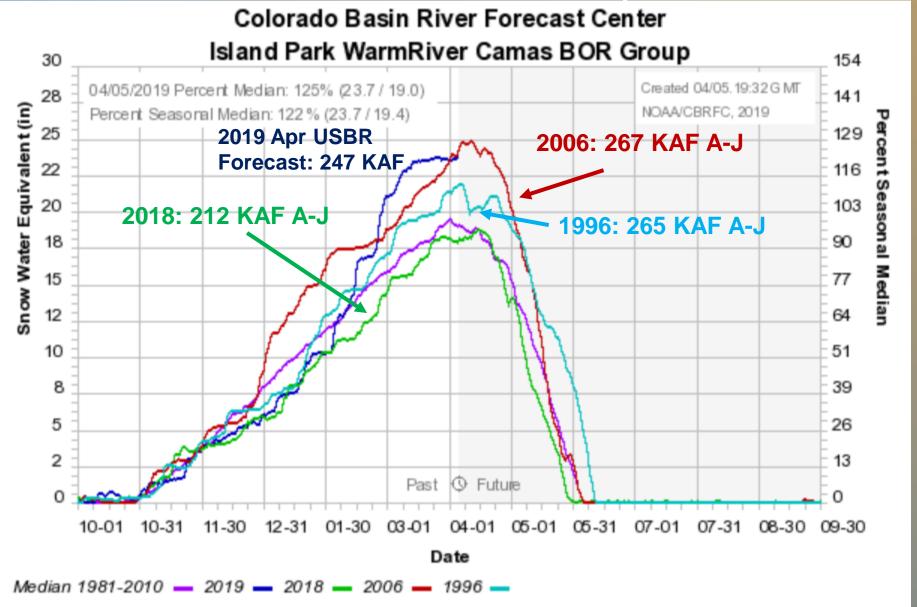


## Island Park Reservoir

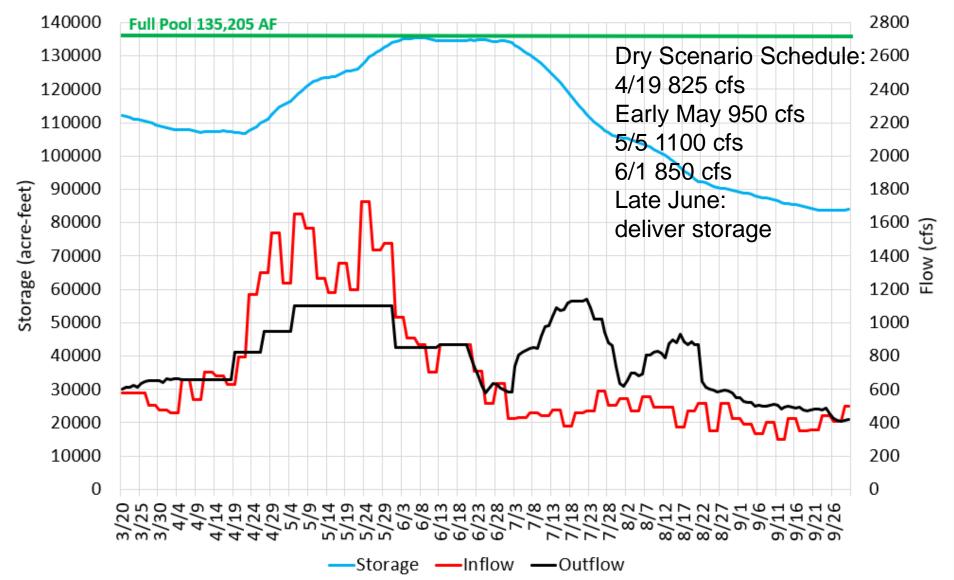




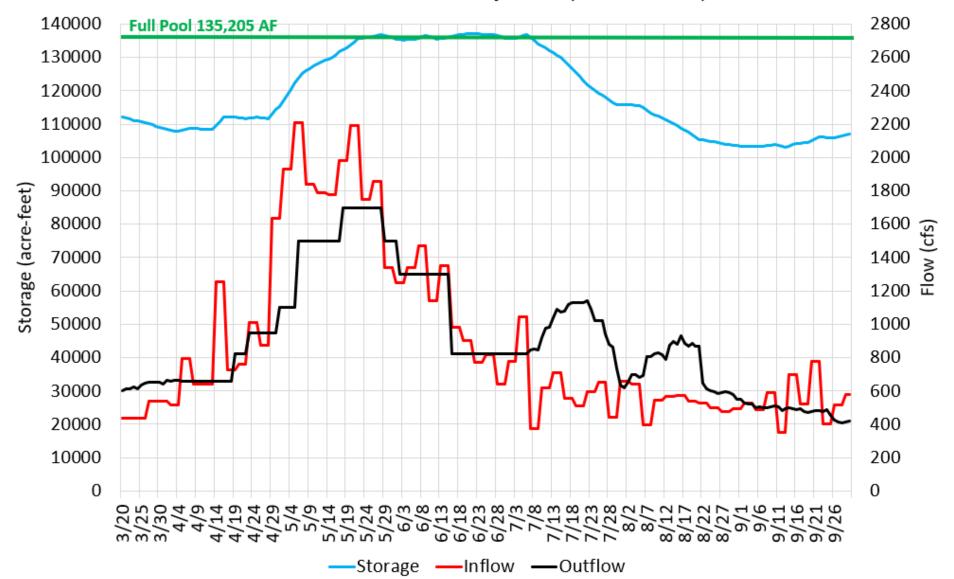
#### Island Park Snow Comparison



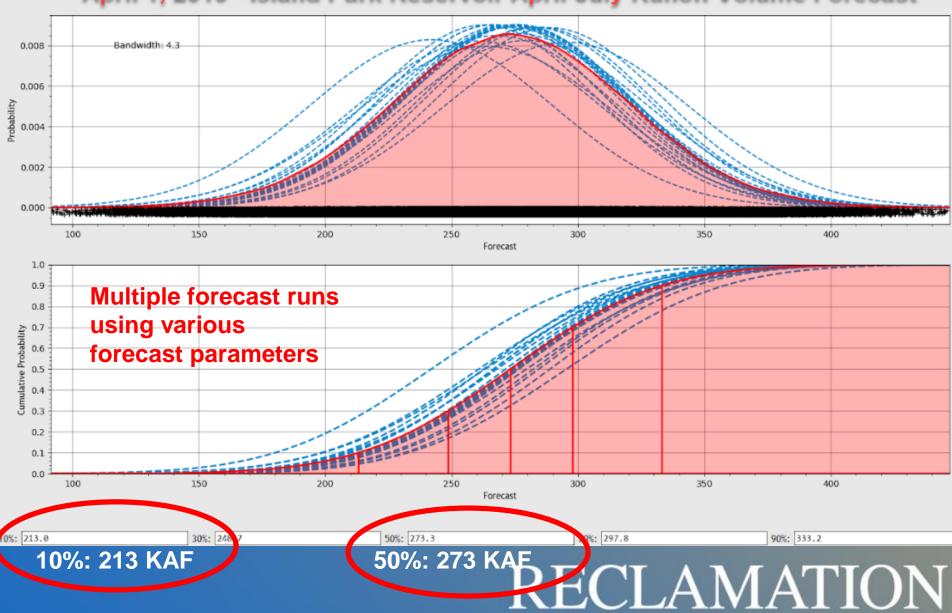
#### 2019 Island Park Dam Projection (2018 inflows)



#### 2019 Island Park Dam Projection (2006 inflows)

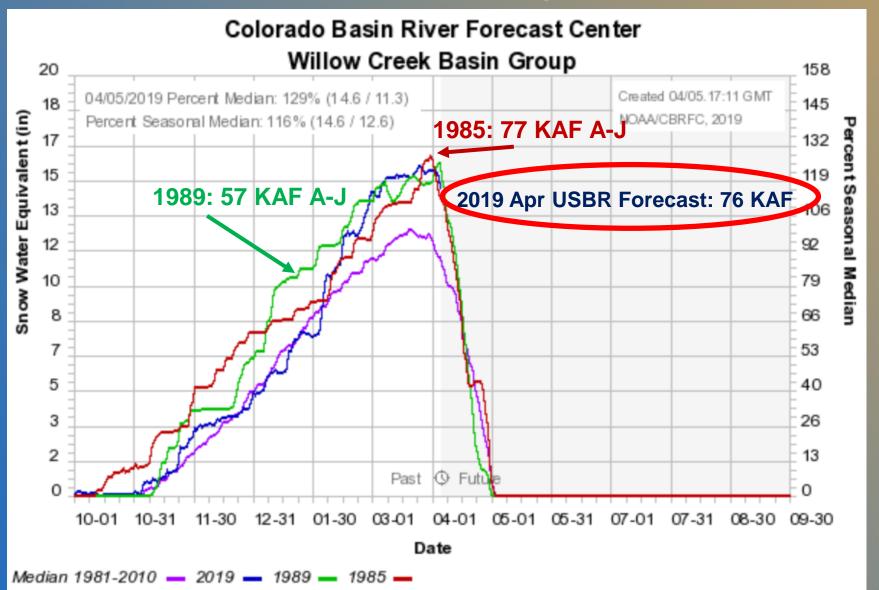


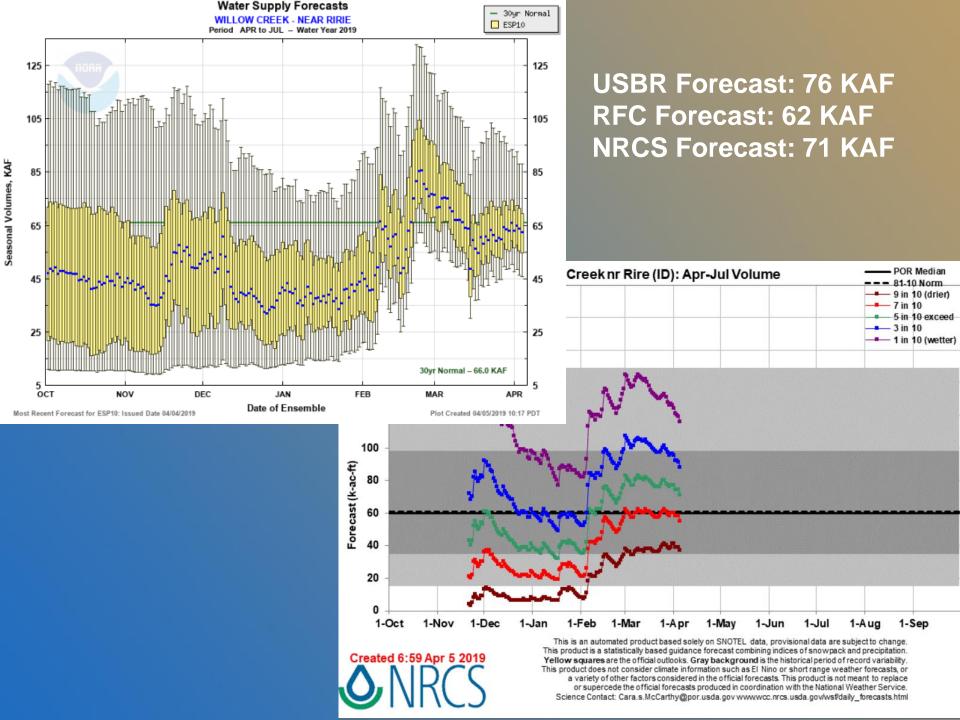
#### April 1, 2019 - Island Park Reservoir April-July Runoff Volume Forecast



## Ririe Reservoir

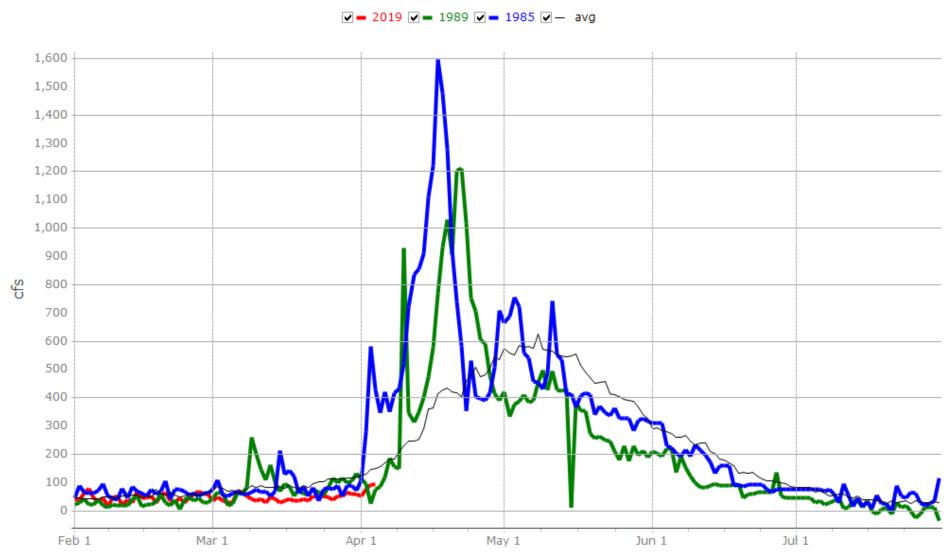
#### Ririe Snow Comparison

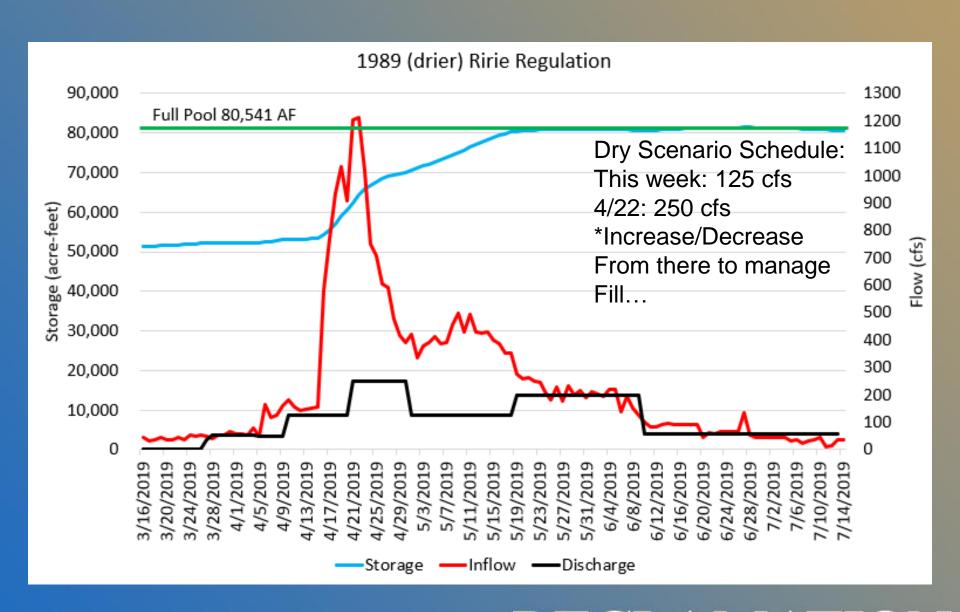




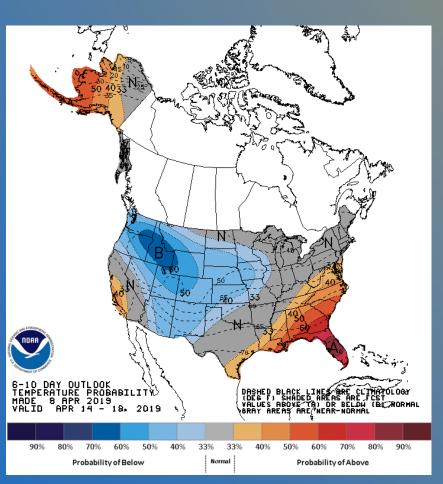
## Ririe Runoff Comparison

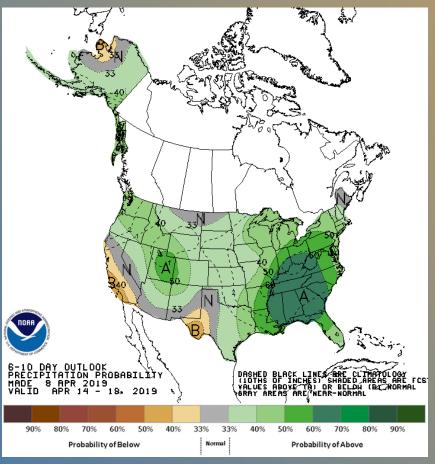
Ririe Inflow



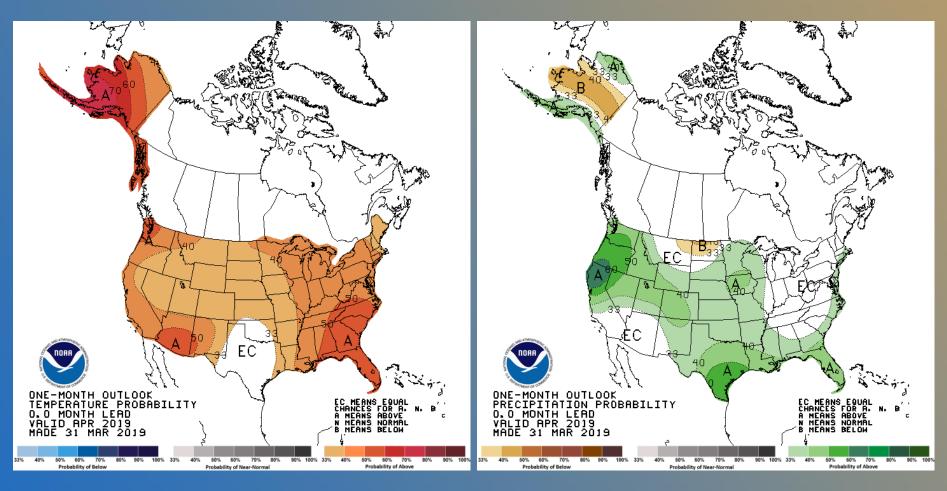


# 6-10 Day Forecast

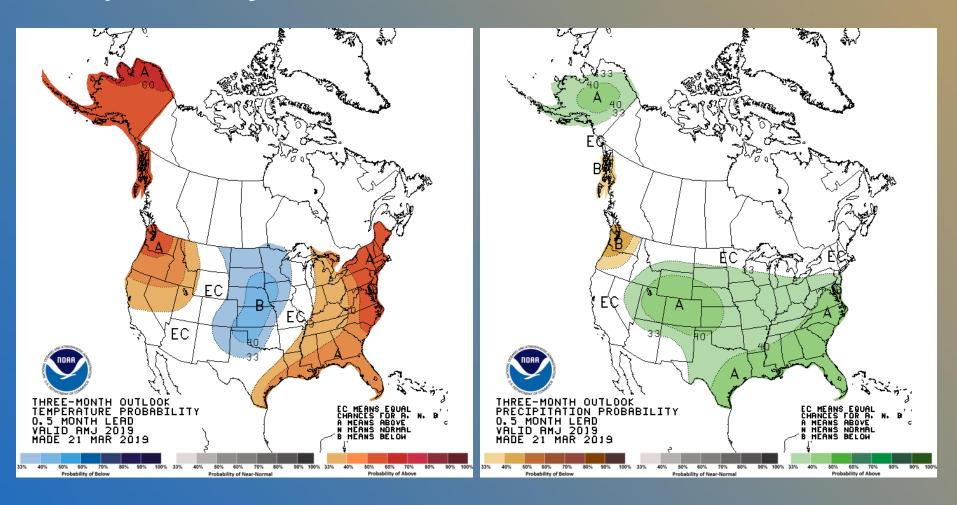




# April NOAA Climate Outlook



#### April/May/June NOAA Climate Outlook



#### 2019 Windshield Tour

Jackson Wyoming Public Information Session

Thursday May 23<sup>rd</sup> 5:30 pm, 49'er Inn Conference Room, Jackson, WY

Windshield Snow Survey Tour
 Friday May 24<sup>th</sup> 7:30 am,
 Signal Mountain Lodge

Reclamation is available to provide transportation for participants. If you need transportation, please contact us as soon as possible so we can make arrangements as some years space can be limited. We will depart from Reclamation's Heyburn office on May 23rd at 9:00AM. and arrive at the Water District 01 office in Idaho Falls around 11:00AM. Lunch will be at the Idaho Falls Chuck-A-Rama, 999 South 25<sup>th</sup> East. Following lunch, we will proceed to Jackson.

A block of rooms has been reserved at the 49'er Inn for the night of Thursday, May 23rd. The room rate is \$99.00, plus tax. Please contact the 49'er Inn no later than Thursday, May 16th to ensure your room reservation. The 49'er Inn can be reached at (307) 733-7550; please

# Operational Summary\*

- Jackson Lake make increases late April to manage fill.
- Palisades make increases late April to manage fill.
- Ririe make increases today to 125 cfs.
- Island Park make increase within next 10-14 days (~825 cfs)
- Grassy Lake fill without a managed release.
- American Falls

   – decrease flows this week to manage fill.
- Minidoka decrease flows this week to manage fill.

\*Subject to Change based on future conditions