

RECLAMATION

Managing Water in the West

Water Supply Committee Meeting

Upper Snake Field Office
Water Operations

February 13, 2019



U.S. Department of the Interior
Bureau of Reclamation

Overview

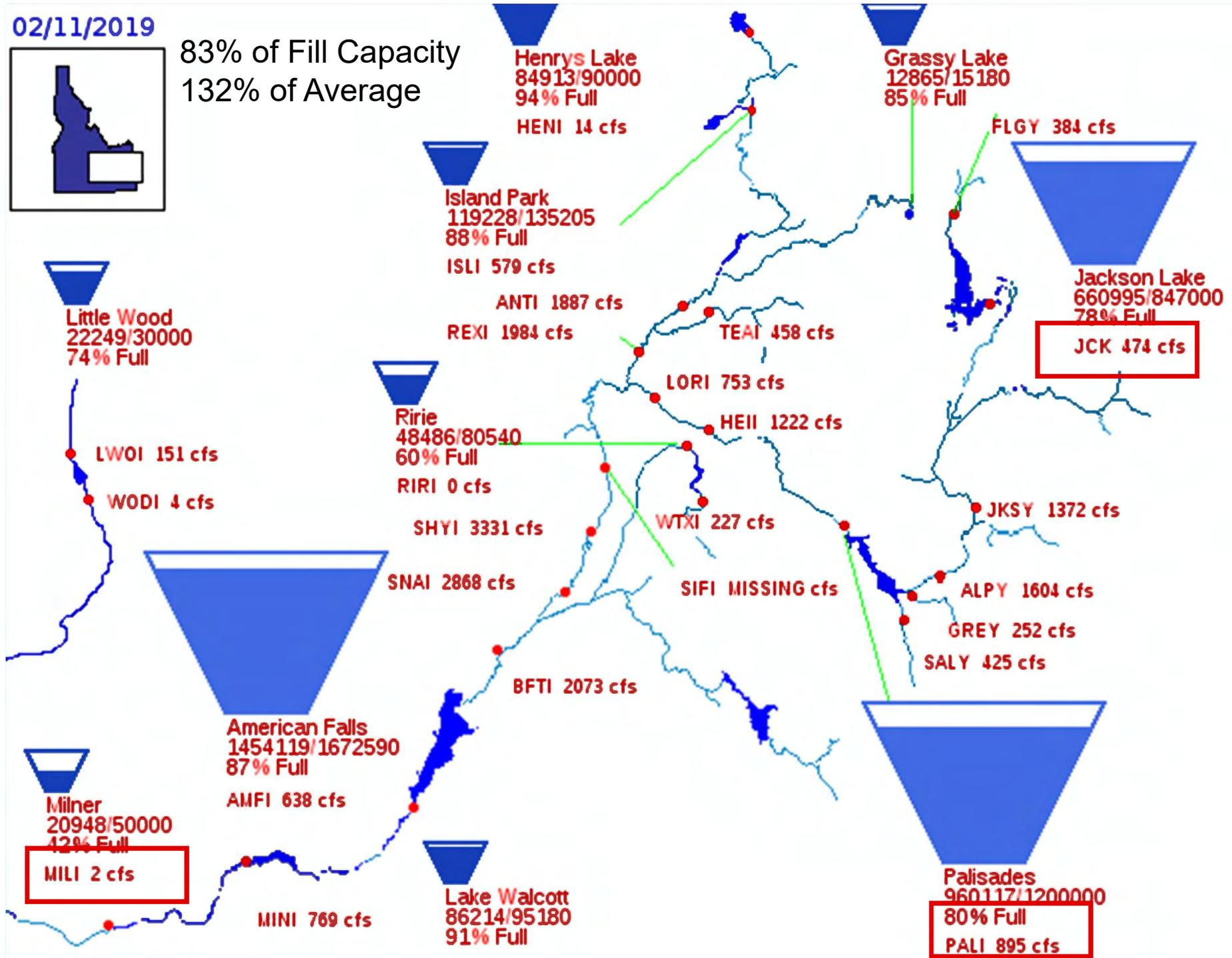
- Current Conditions
- Runoff Forecasts
- Storage Projections
- Preliminary Operations Plan

RECLAMATION

02/11/2019



83% of Fill Capacity
132% of Average



2019 February 1 Runoff Forecasts

- Heise = 3,000 KAF, 83% Average*#
- Island Park = 280 KAF, 103% Average#
- Teton = 359 KAF, 88% Average#
- Ririe = 45 KAF, 63% Average*+
- Little Wood = 70 KAF, 78% Average *#

*Coordinated USBR and USACE Forecast

#Feb-Jul Forecast Period

+Feb-Jun Forecast Period

% Average based on 1981-2010 period

Assumes normal subsequent conditions

RECLAMATION

From: 2/12/2019

SNAKE BASIN ABOVE AMERICAN FALLS

Base Camp	7060	11.5	12.0	96	13.4	15.1	89
Black Bear	8170	23.9	26.4	91	24.6	26.8	92
Blind Bull Sum	8650	13.2	15.4	86	11.1	13.9	80
Cottonwood Creek	7670	14.1	14.1	100	16.8	17.1	98
East Rim Divide	7930	6.6	7.1	93	6.9	8.2	84
Grand Targhee	9260	30.2	25.4 _R	119	23.2	22.5 _R	103
Granite Creek	6770	11.6	11.8	98	13.2	14.7	90
Grassy Lake	7265	18.9	22.9	83	22.6	25.9	87
Gros Ventre Summit	8750	5.6	8.8	64	6.9	8.8	78
Gunsight Pass	9820	7.9	9.0 _C	88	10.2	9.7 _C	105
Island Park	6290	12.9	10.6	122	14.4	13.3	108
Lewis Lake Divide	7850	18.4	22.4	82	21.3	25.0	85
Loomis Park	8240	9.6	10.4	92	10.7	12.2	88
Oxford Spring	6740	-M	8.2	*	12.1	11.9	102
Phillips Bench	8200	17.2	17.3	99	20.0	19.7	102
Pine Creek Pass	6720	11.6	10.5	110	14.7	15.5	95
Salt River Summit	7640	8.4	8.8	95	10.4	11.5	90
Sedgwick Peak	7850	14.2	13.9	102	15.2	14.7	103
Sheep Mtn.	6650	11.3	10.1	112	12.0	11.7	103
Slug Creek Divide	7225	11.7	10.0	117	14.2	14.5	98
Snake River Station	6920	11.3	12.5	90	16.0	16.7	96
Somsen Ranch	6800	10.7	9.5	113	13.0	11.9	109
Spring Creek Divide	9000	14.7	16.0	92	16.0	16.7	96
Thumb Divide	7980	9.3	10.2	91	11.1	13.0	85
Togwotee Pass	9580	15.5	16.0	97	16.3	17.1	95
Two Ocean Plateau	9240	18.1	19.1	95	15.5	18.7	83
White Elephant	7710	18.5	17.7	105	20.1	20.5	98
Wildhorse Divide	6490	11.9	10.3	116	15.4	13.6	113
Willow Creek	8080	17.6	18.5	95	21.7	23.3	93
Basin Index (%)				97			95

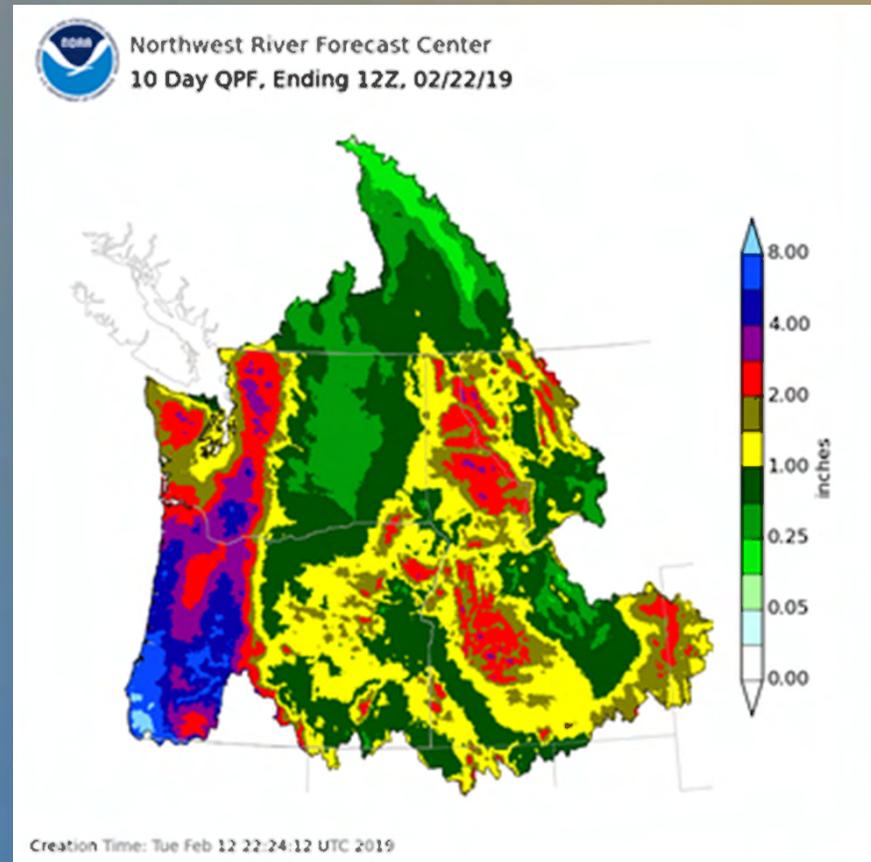
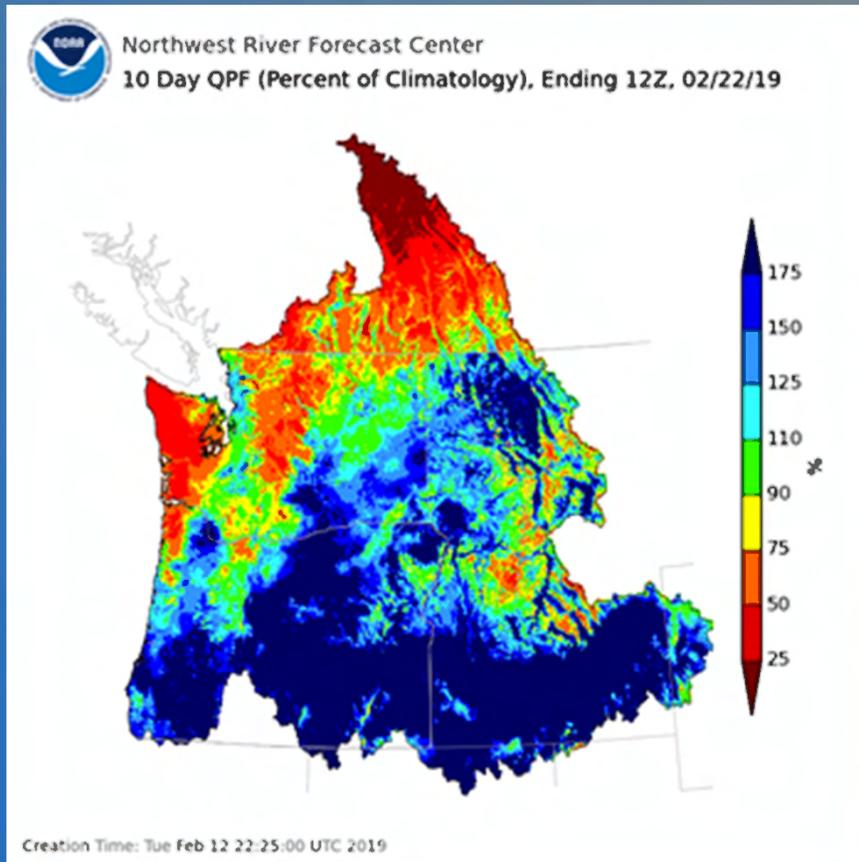
Island Park

Palisades

Ririe



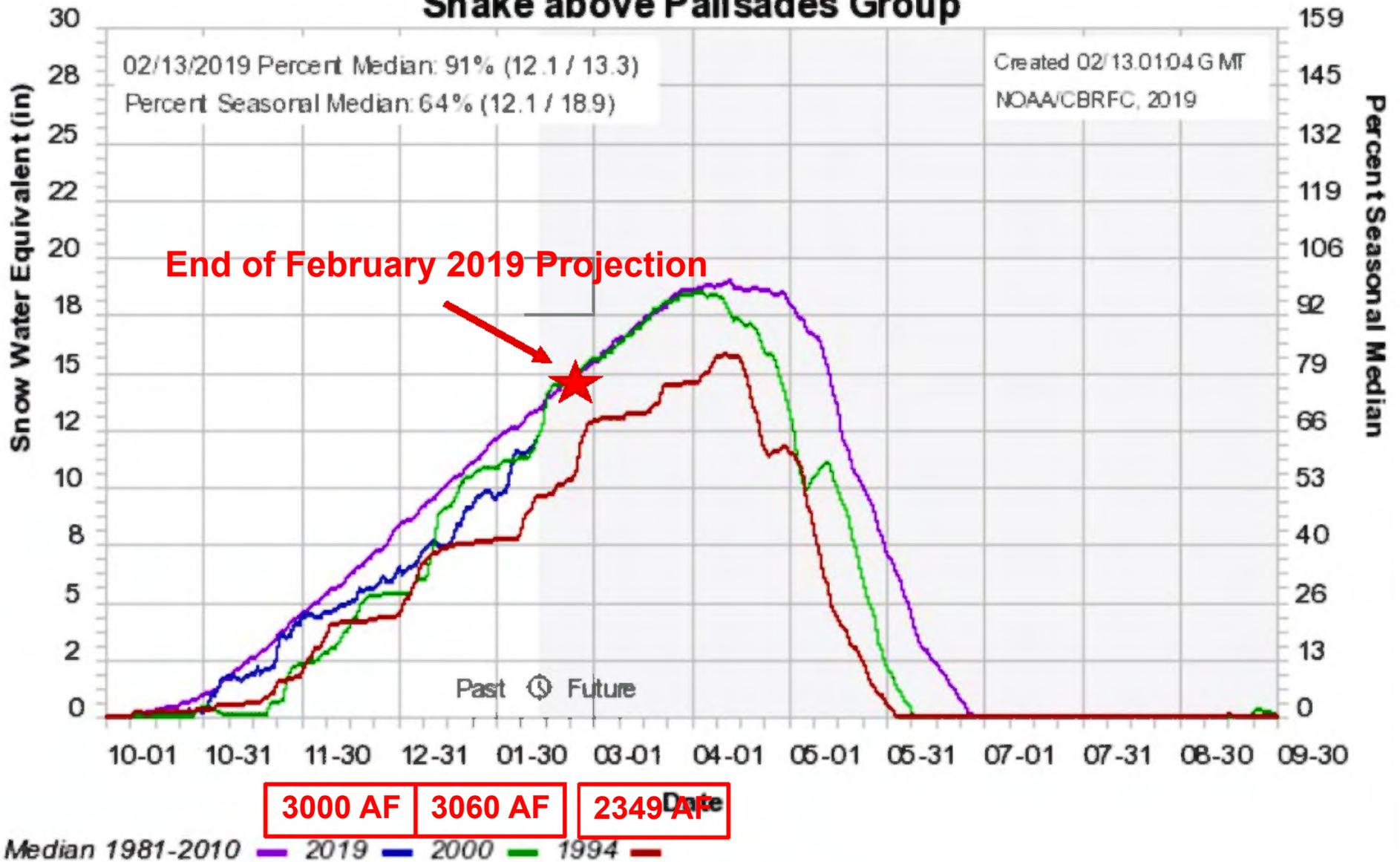
2/12/2019 10-Day Forecast



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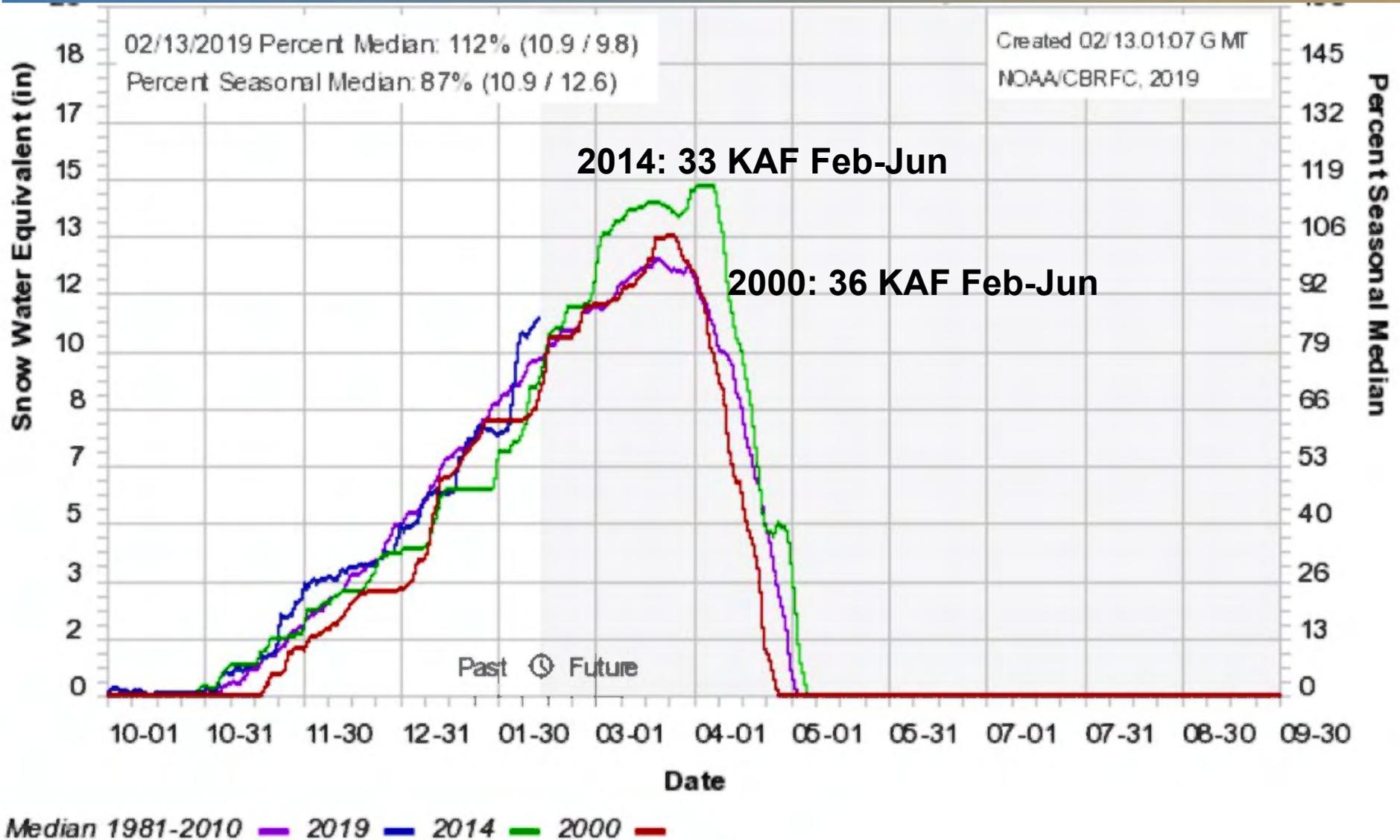
Palisades Snow

Colorado Basin River Forecast Center Snake above Palisades Group

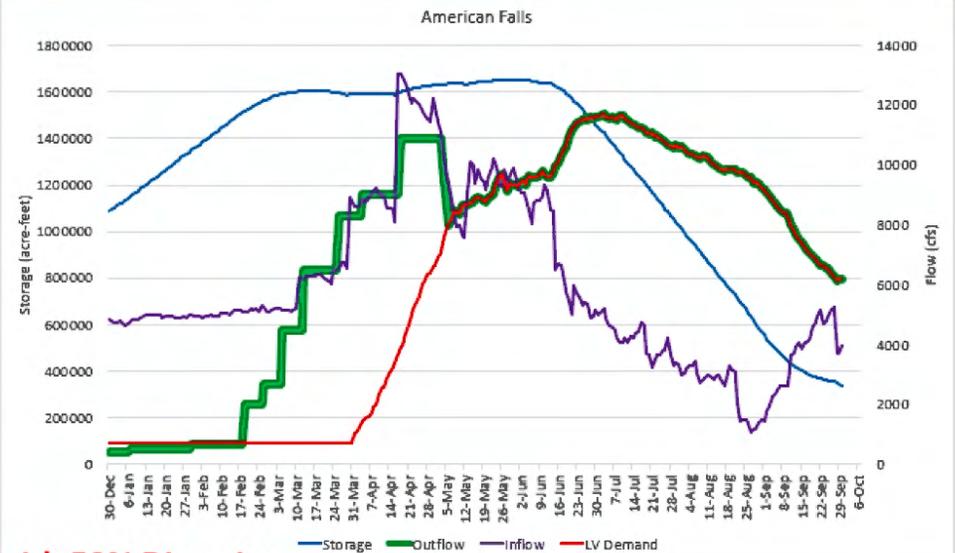
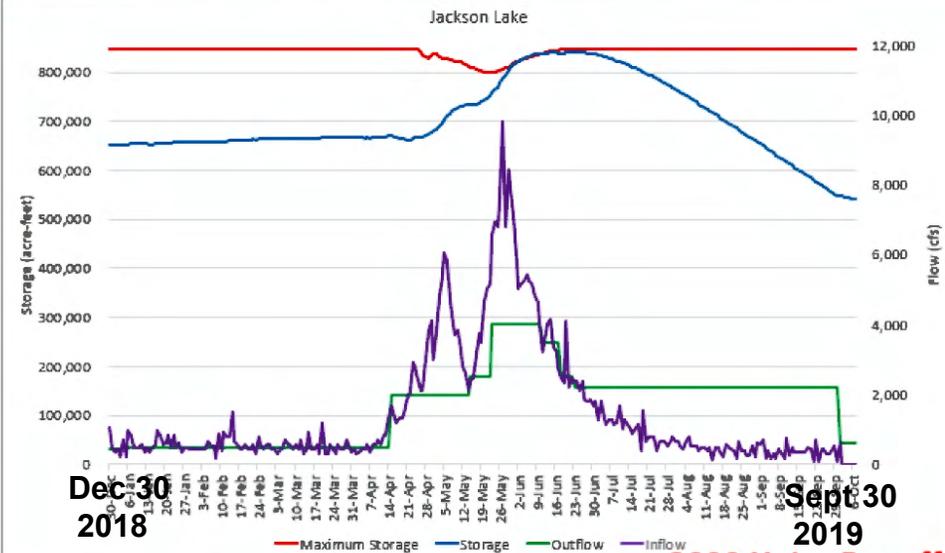


Ririe Snow

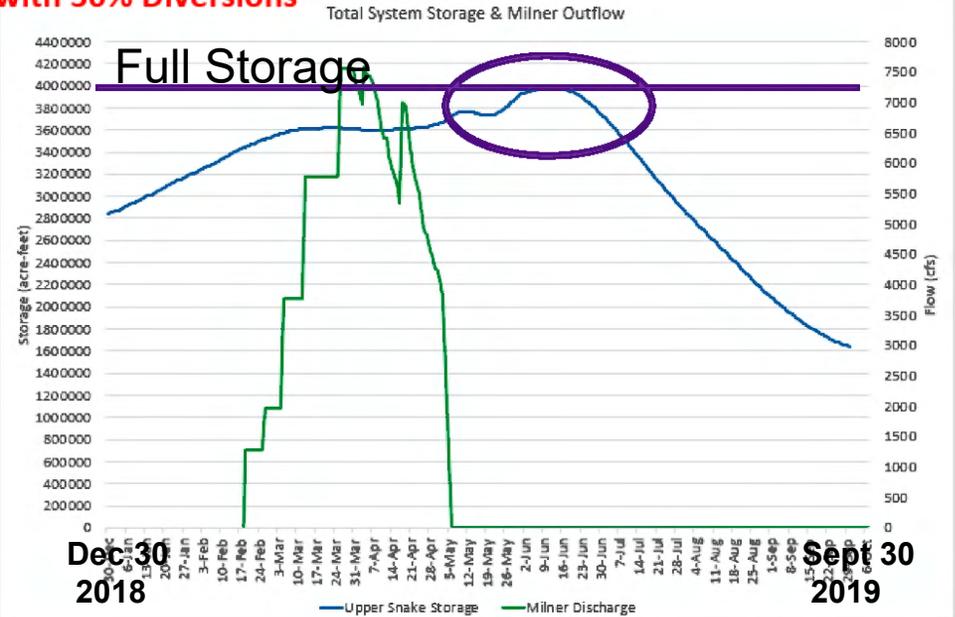
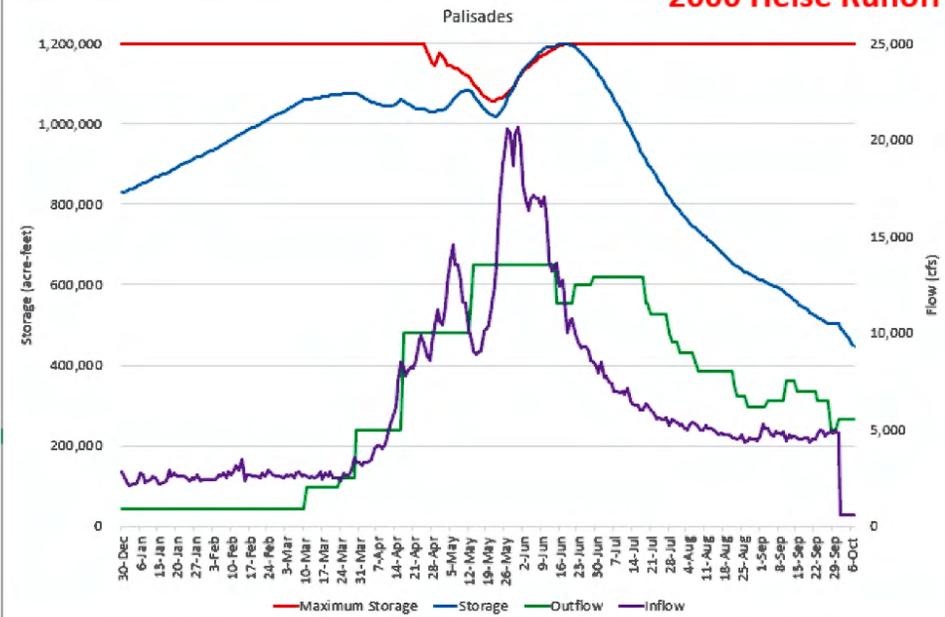
(Sheep Mountain, Somsen Ranch)



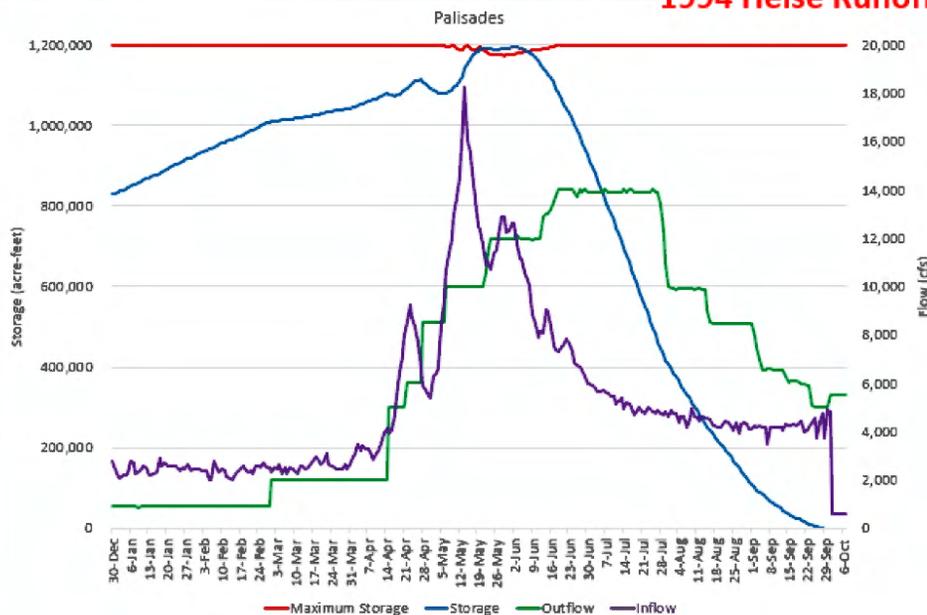
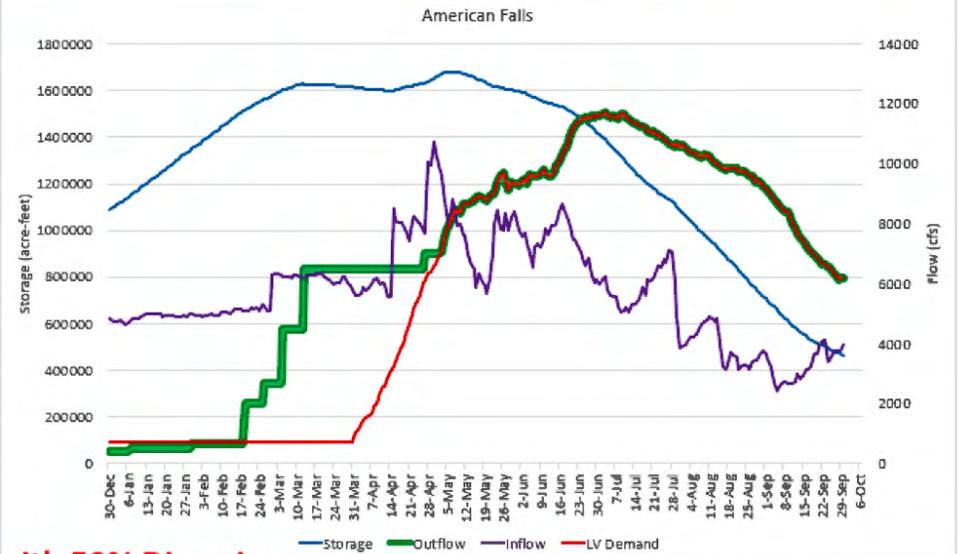
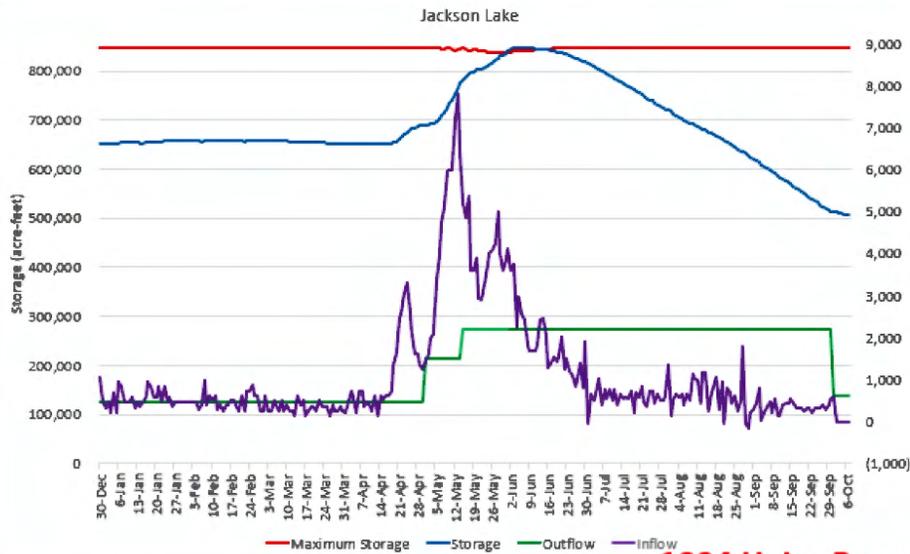
2019 Projection



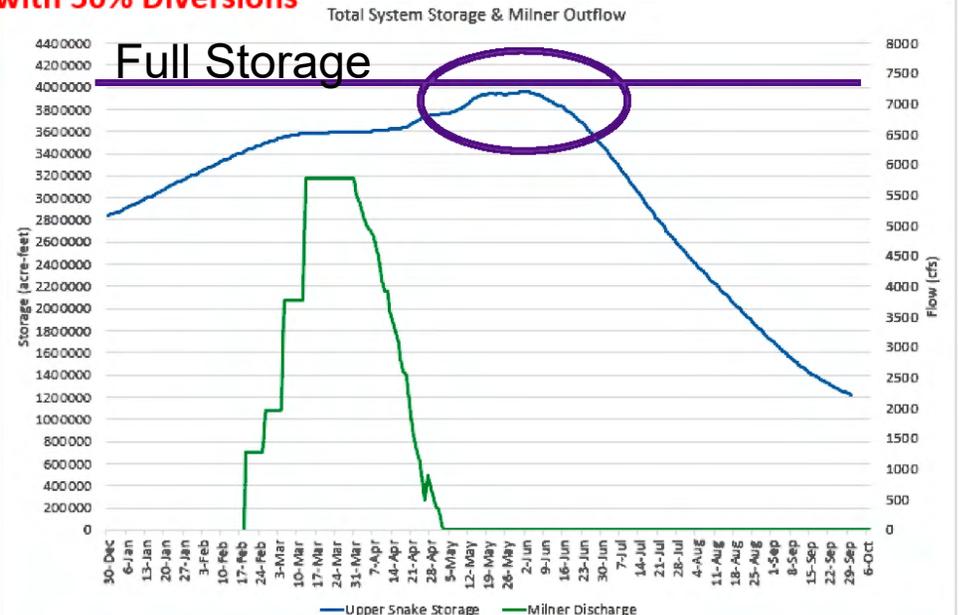
2000 Heise Runoff with 50% Diversions



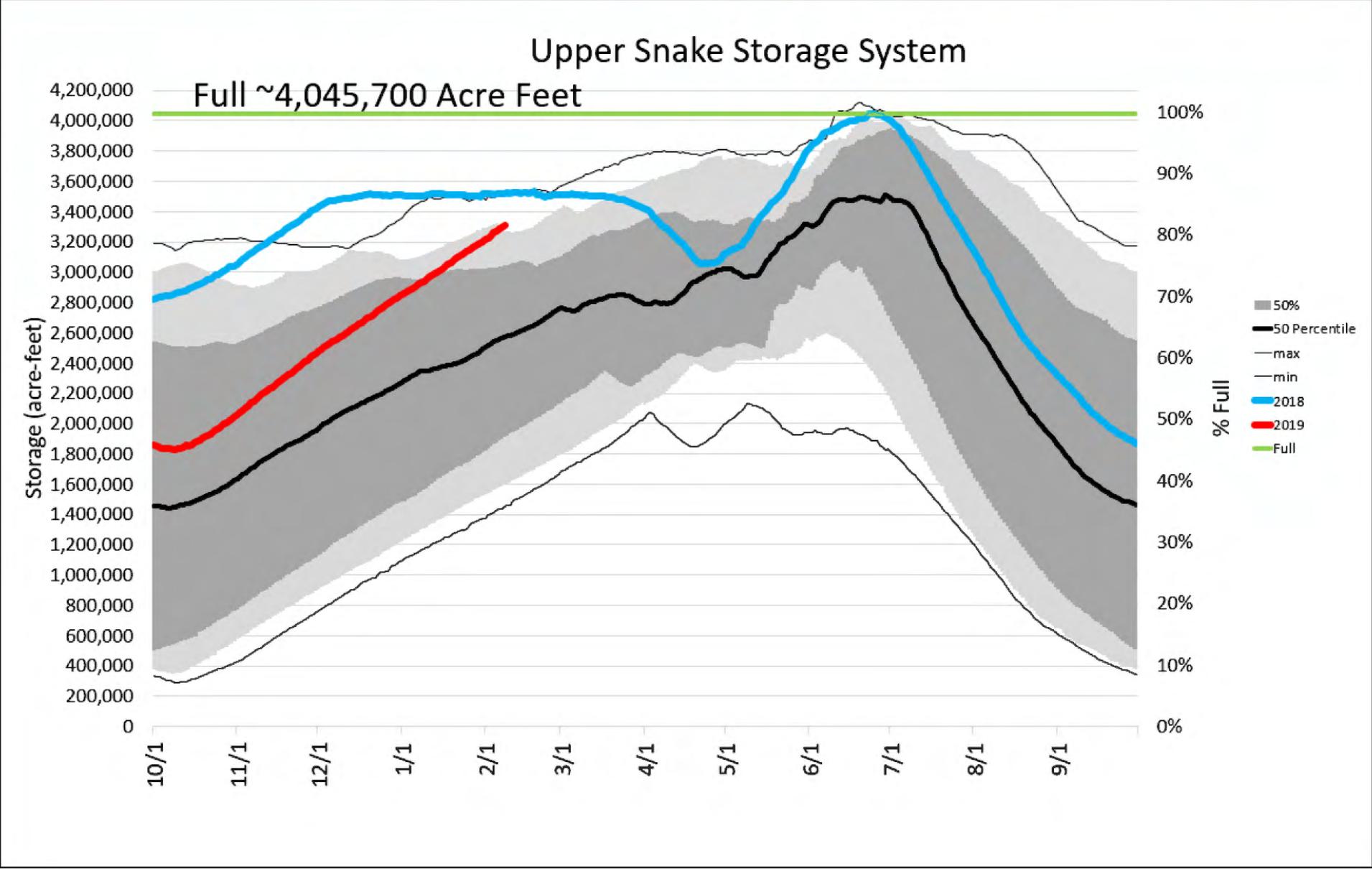
2019 Projection



1994 Heise Runoff with 50% Diversions

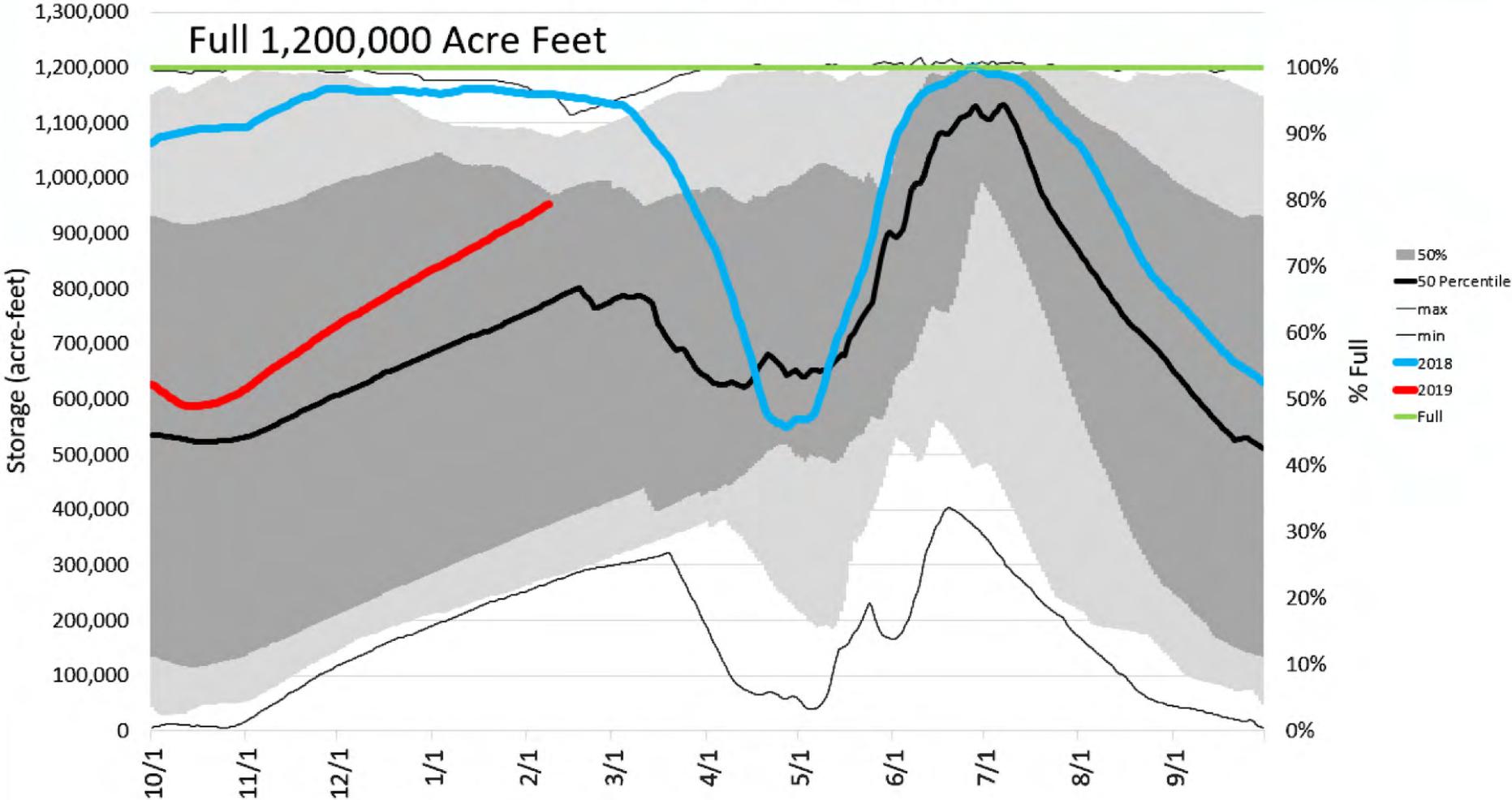


Current Storage Trend



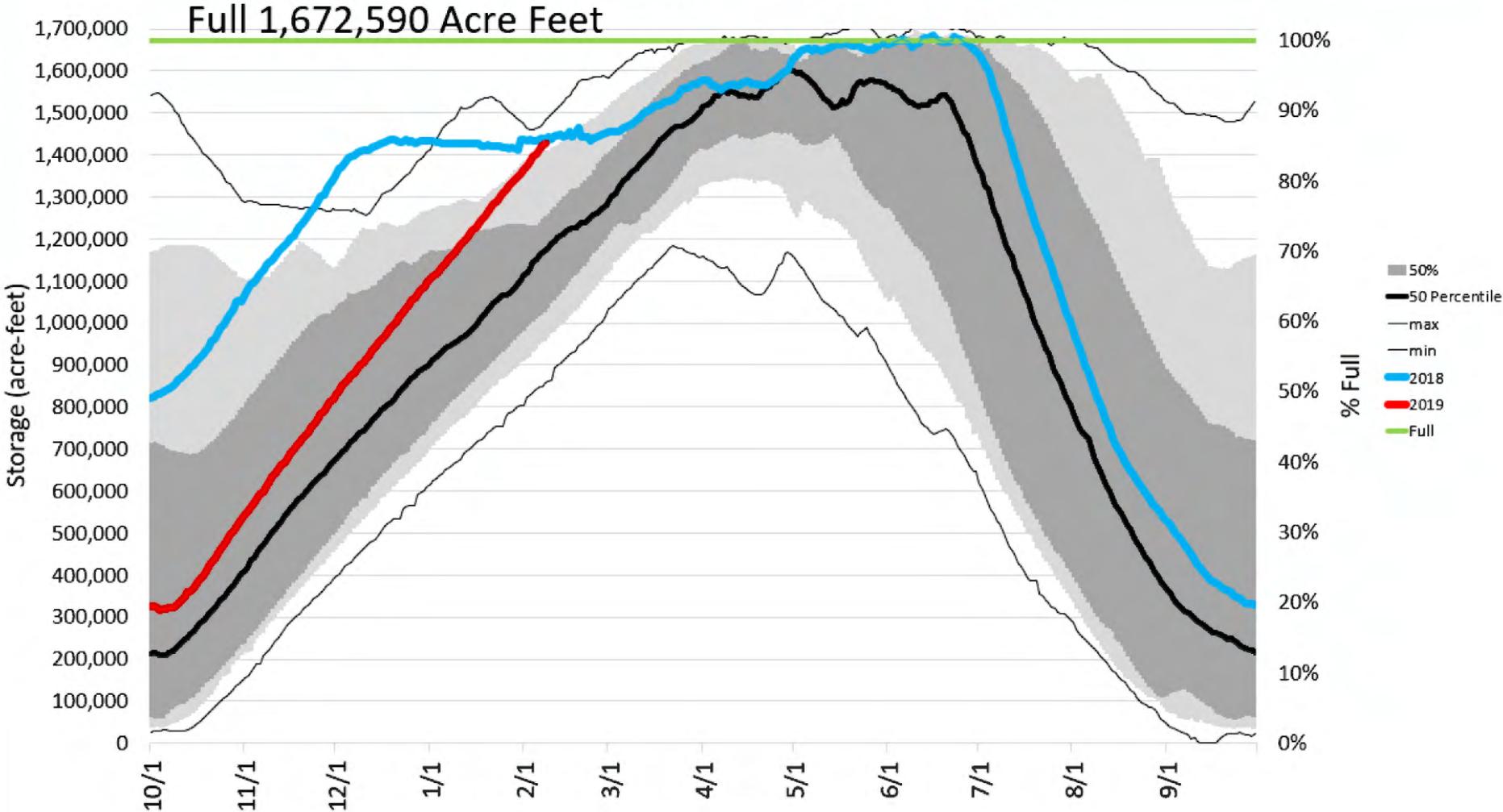
Current Storage Trend

Palisades Reservoir



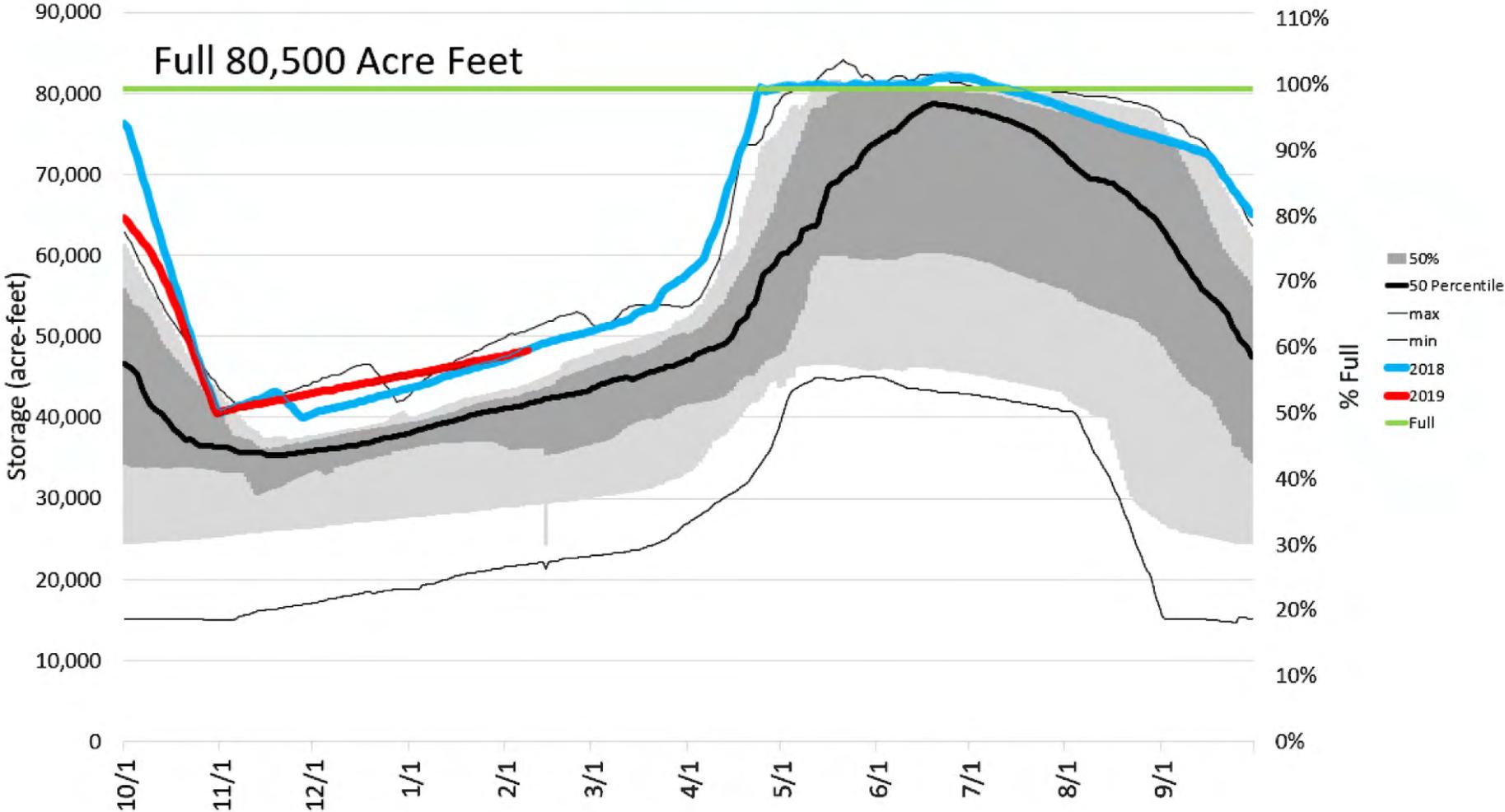
Current Storage Trend

American Falls Reservoir



Current Storage Trend

Ririe Reservoir



Operations Release Plan (Summary)*

- Jackson Lake Dam – Probably make changes in April time frame
- Palisades Dam – Probably make changes in March
- American Falls Dam –
 - February 19th Increase to 2,000 cfs to begin filling Lake Walcott
 - 1,000 cfs by Milner Dam
 - February 26th Increase to 2,700 cfs
 - 1,700 cfs by Milner Dam
 - March 5th Increase to 4,500 cfs
 - 3,500 cfs by Milner Dam
 - March 13th Increase to 6,500 cfs (passing inflow)
 - 5,500 cfs by Milner Dam
- Little Wood Dam –
 - February 13th Increase from 0 cfs up to 200 cfs for at least 7 days

**Continue to coordinate with the WD01 Watermaster,
Committee of Nine and the IDWR Recharge Project
Manager**

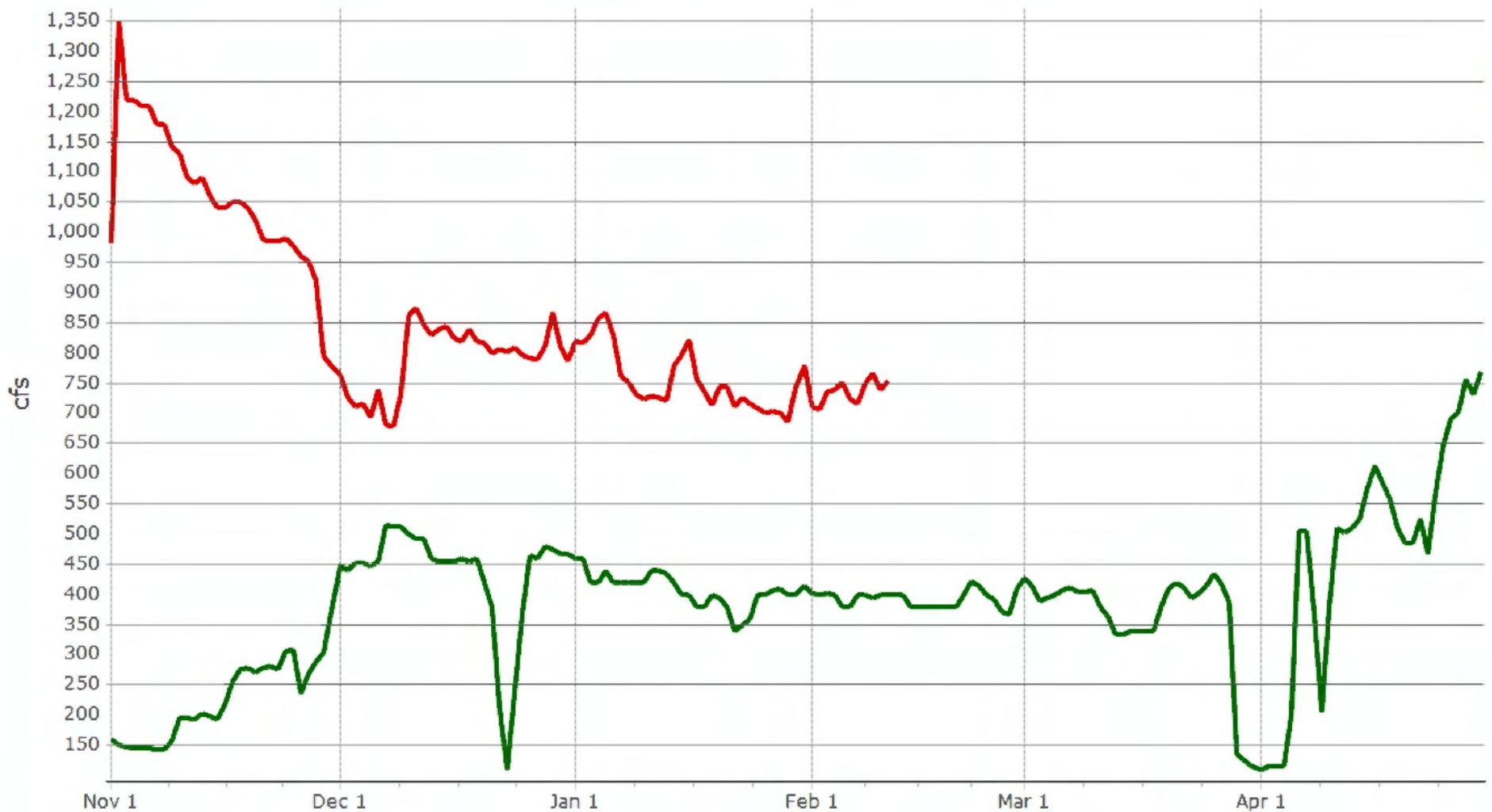
*SUBJECT TO CHANGE

RECLAMATION

Lorenzo Winter Flows

Snake River at Lorenzo, ID Elevation:4856.000

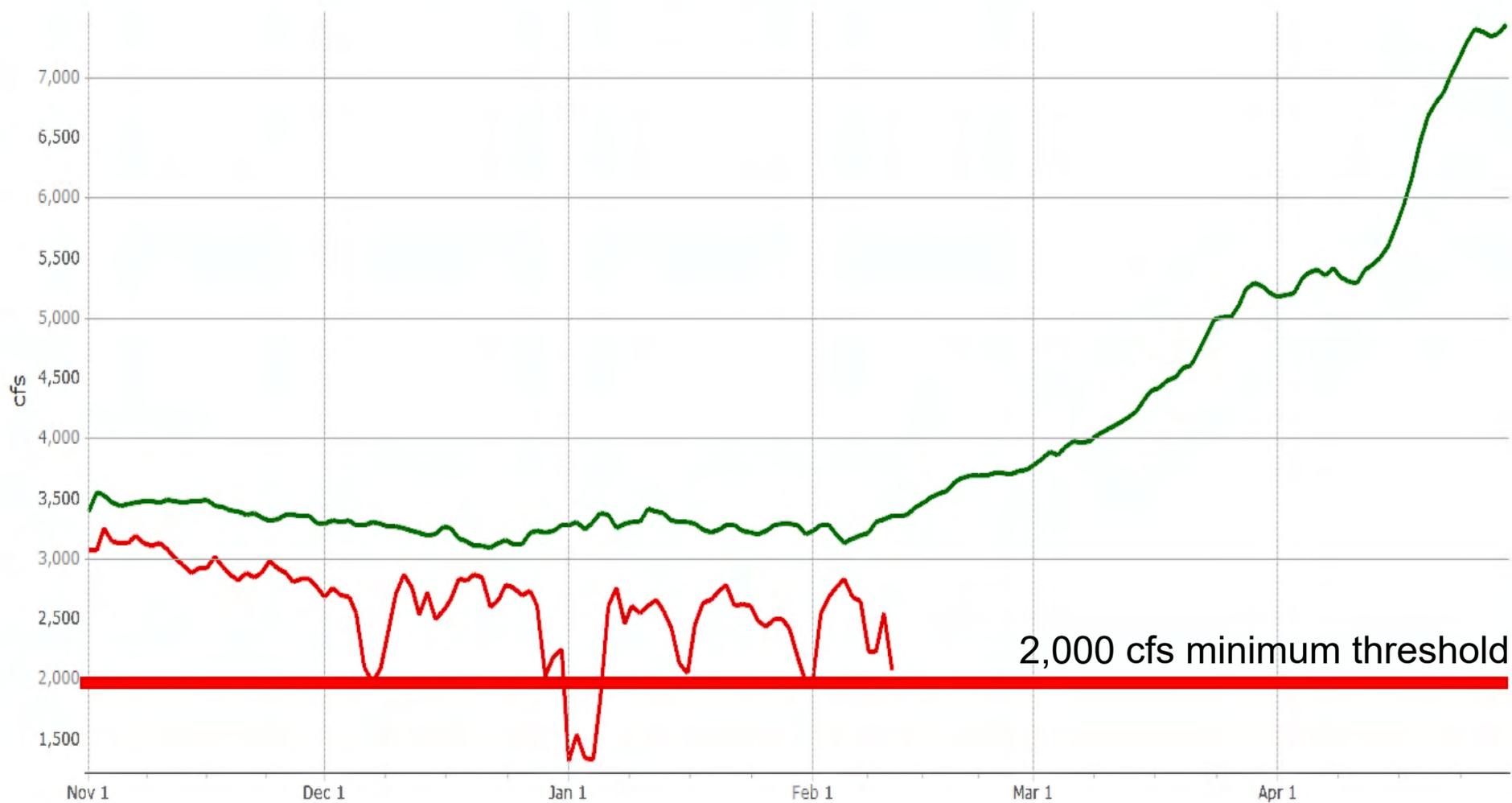
2019 min



Snake Near Blackfoot Winter Flows

Snake River near Blackfoot, ID Elevation:4400.000

☑ - 2019 ☑ - avg



2,000 cfs minimum threshold