RECLAMATION

Managing Water in the West

Water Supply Committee Meeting

Reservoir Operations

January 11, 2019

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U.S. Department of the Interior
Bureau of Reclamation

Outline:

- Upper Snake Reservoir Status
- Jan 1 Volume Forecasts
- Individual Reservoir Status/Forecast
- Operations Plan Summary

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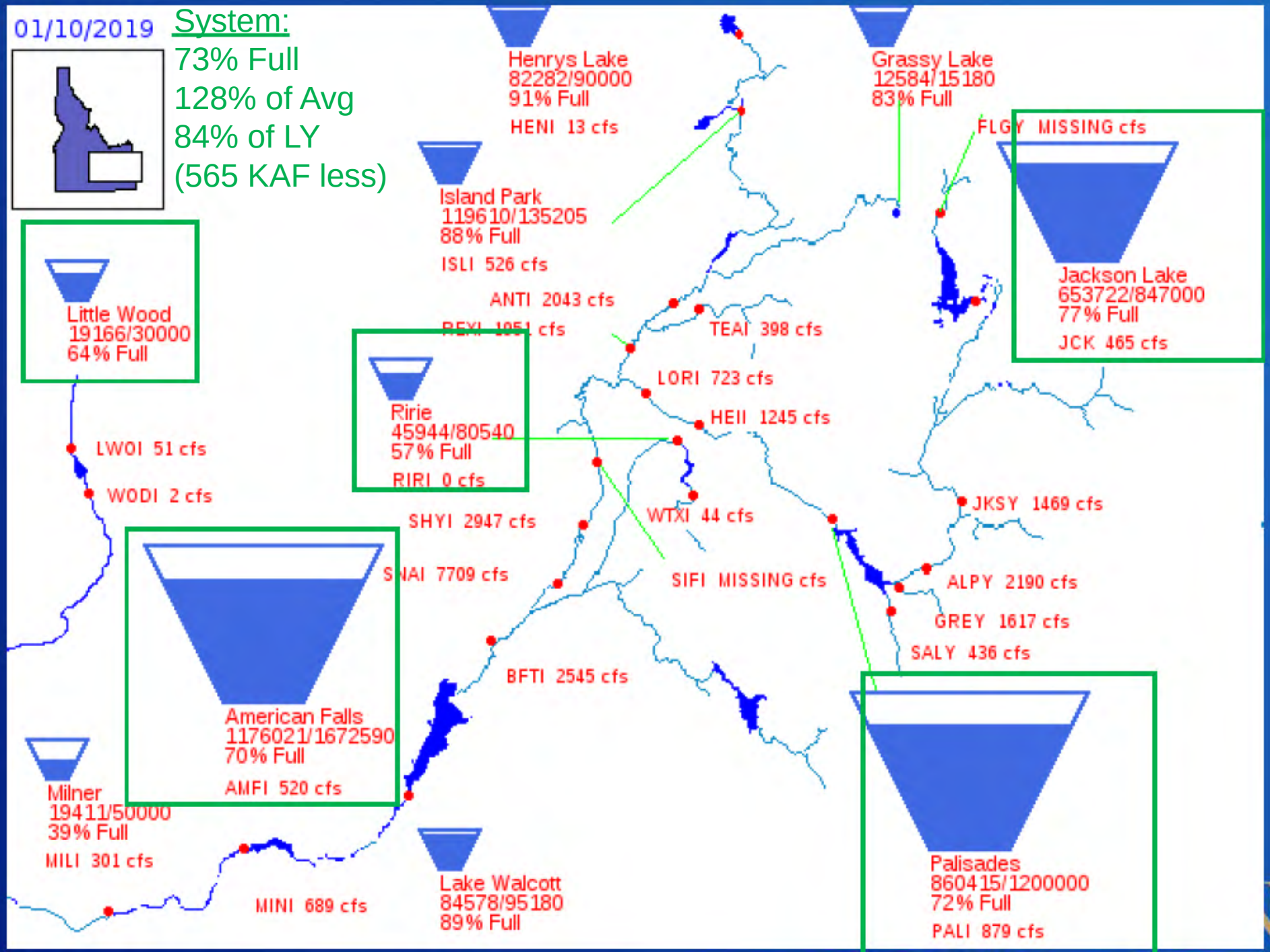
01/10/2019
System:
73% Full
128% of Avg
84% of LY
(565 KAF less)
Henrys Lake
82282/90000
91% Full
HENI 13 cfs
Grassy Lake
12584/15180
83% Full
FLGY MISSING cfs
Island Park
119610/135205
88% Full
ISLI 526 cfs
ANTI 2043 cfs
REXI 1051 cfs
TEAI 398 cfs
Jackson Lake
653722/847000
77% Full
JCK 465 cfs
Little Wood
19166/30000
64% Full
LORI 723 cfs
HEII 1245 cfs
Ririe
45944/80540
57% Full
RIRI 0 cfs
LWOI 51 cfs
WODI 2 cfs
JKSY 1469 cfs
WTXI 44 cfs
SHYI 2947 cfs
SNAI 7709 cfs
SIFI MISSING cfs
ALPY 2190 cfs
GREY 1617 cfs
SALY 436 cfs
BFTI 2545 cfs
American Falls
1176021/1672590
70% Full
AMFI 520 cfs
Milner
19411/50000
39% Full
MILI 301 cfs
MINI 689 cfs
Lake Walcott
84578/95180
89% Full
Palisades
860415/1200000
72% Full
PALI 879 cfs

2019 January 1 Runoff Forecasts

- Heise = 87% Average*#
- Ririe = 74% Average*+
- Little Wood = 69% Average*#
- Island Park = 76% Average#

	USBR (kaf)	RFC (kaf)	NRCS (kaf)
Heise	3300	3420 (90%)	2632 (69%)
Ririe	55	51 (70%)	39 (53%)
Little Wood	65	53 (56%)	39 (41%)
Island Park	231	-	-

*Coordinated USBR and USACE Forecast

#Jan-Jul Forecast Period

+Jan-Jun Forecast Period

% Average based on 1981-2010 period

Assumes normal subsequent conditions

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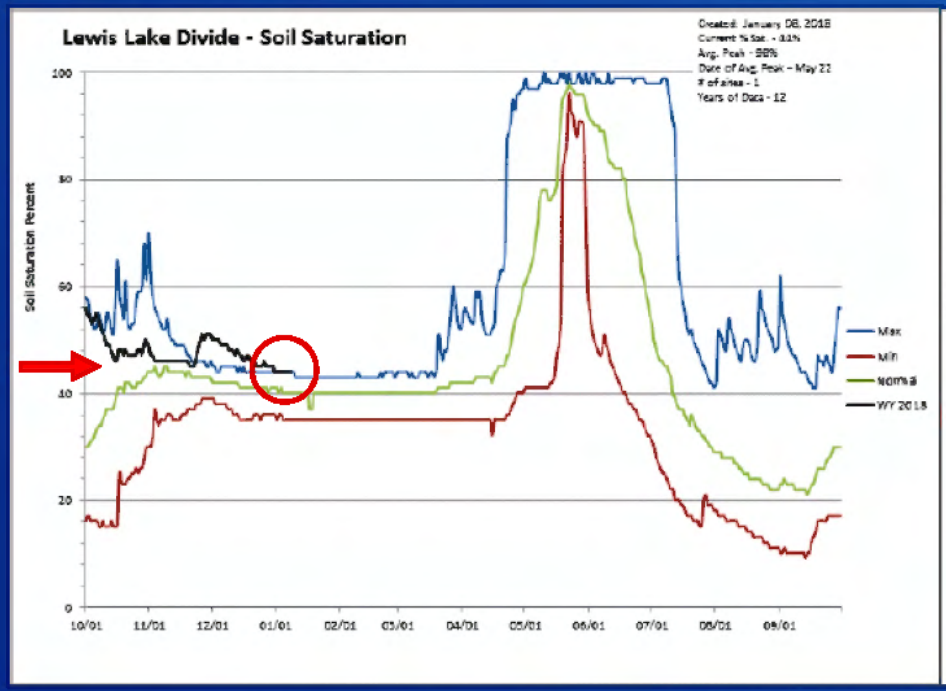
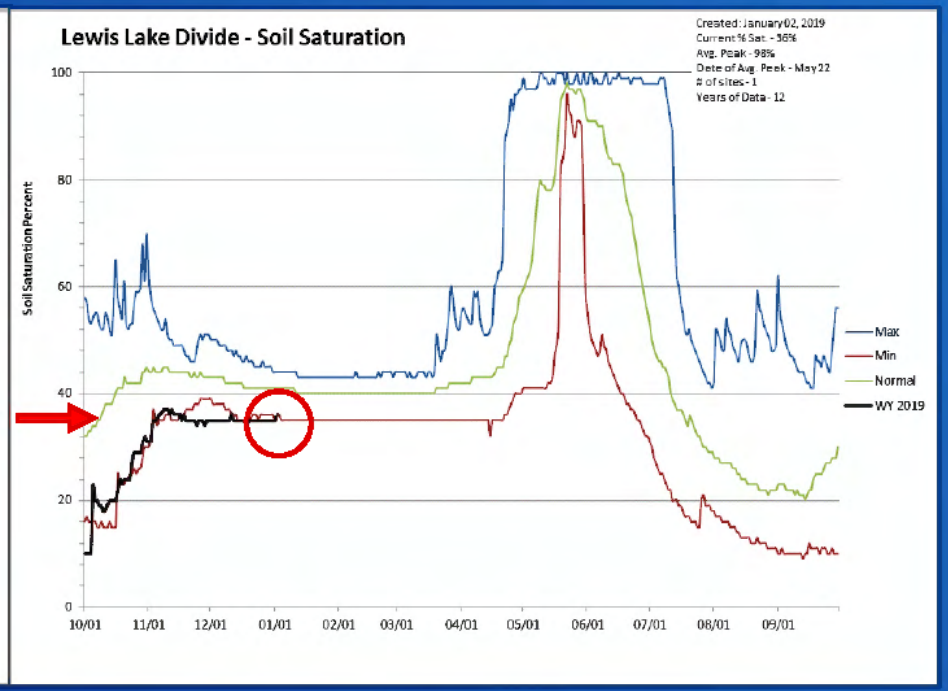
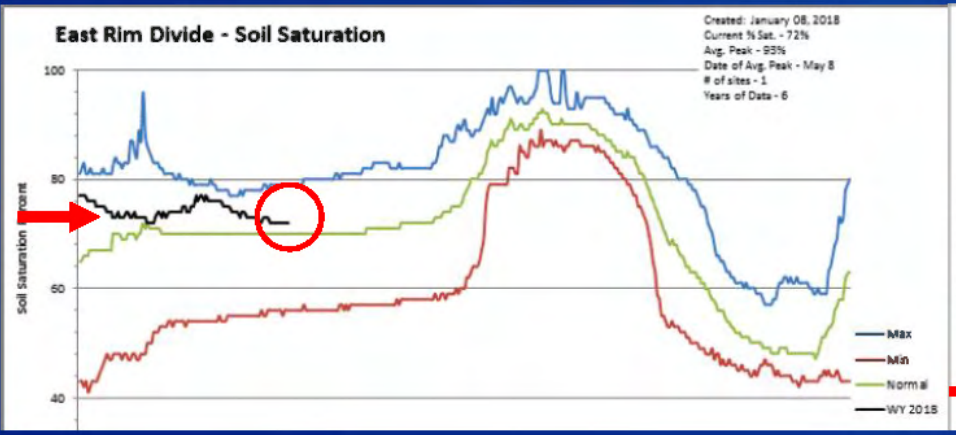
Lewis Lake Jan 2018



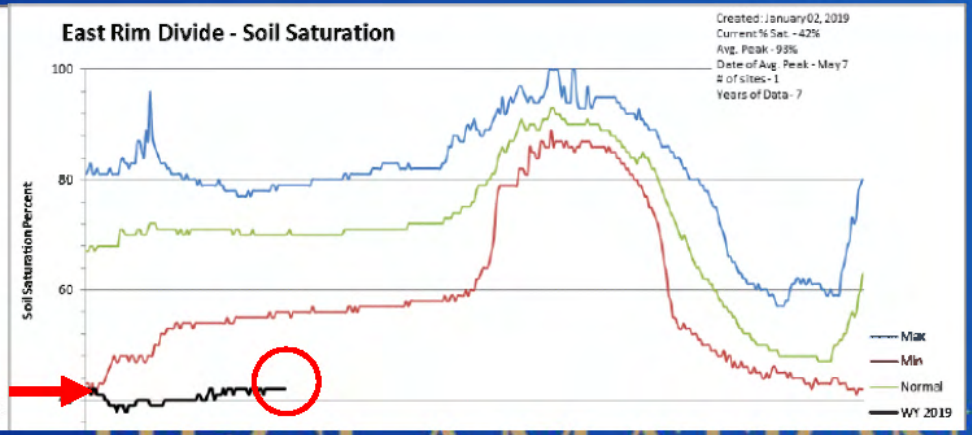
Lewis Lake Jan 2019



East Rim Jan 2018



East Rim Jan 2019



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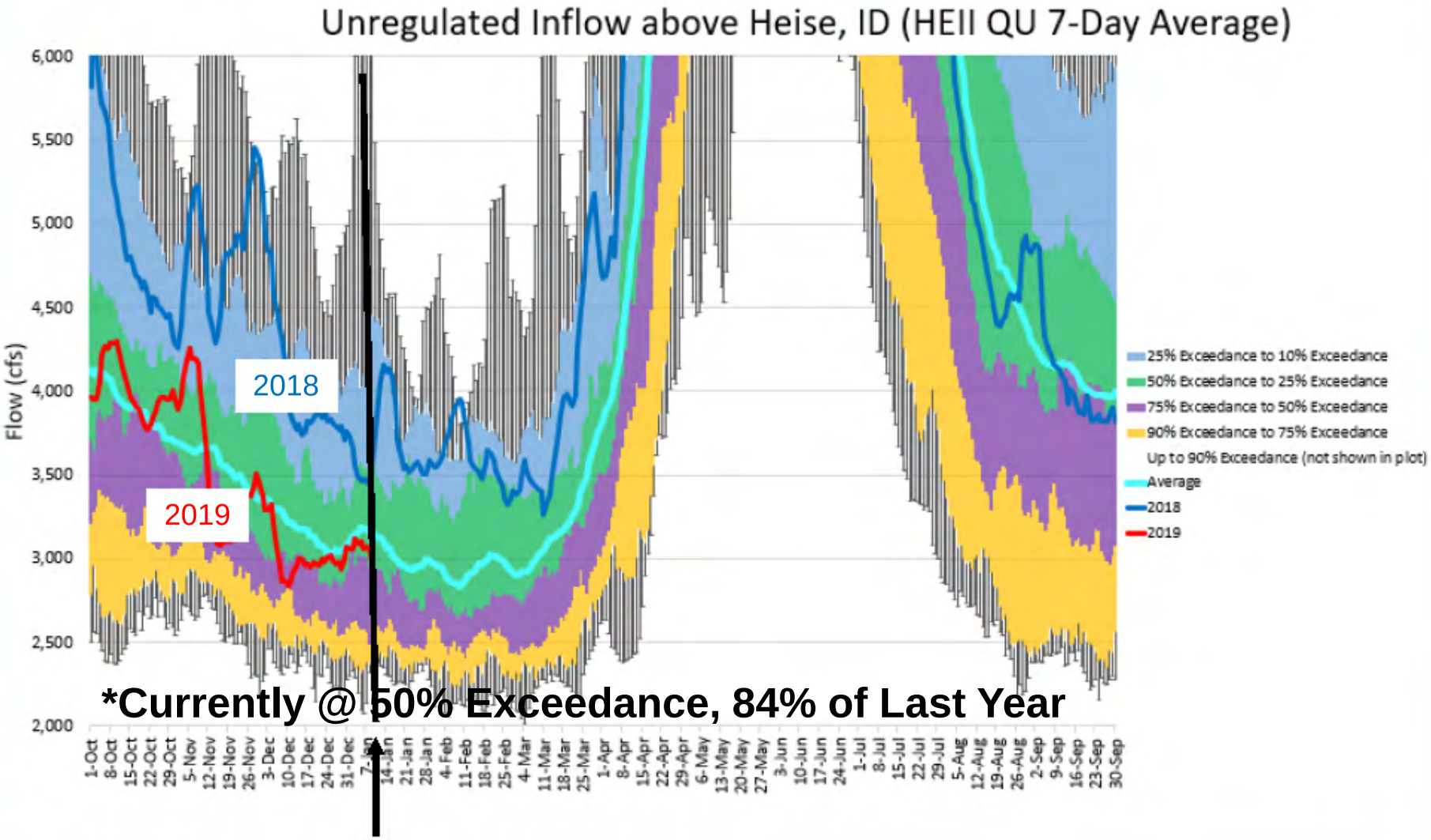

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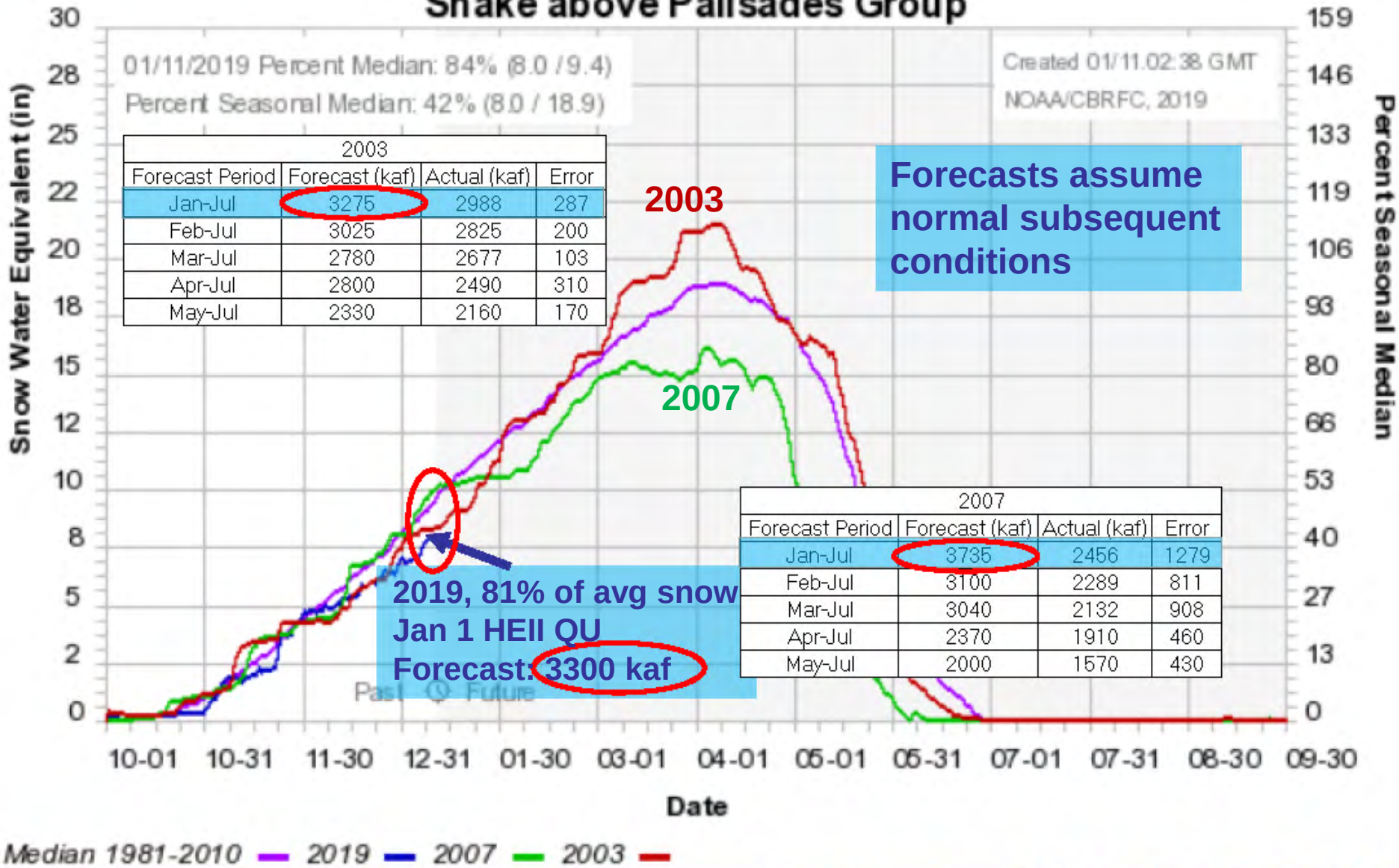
Colorado Basin River Forecast Center

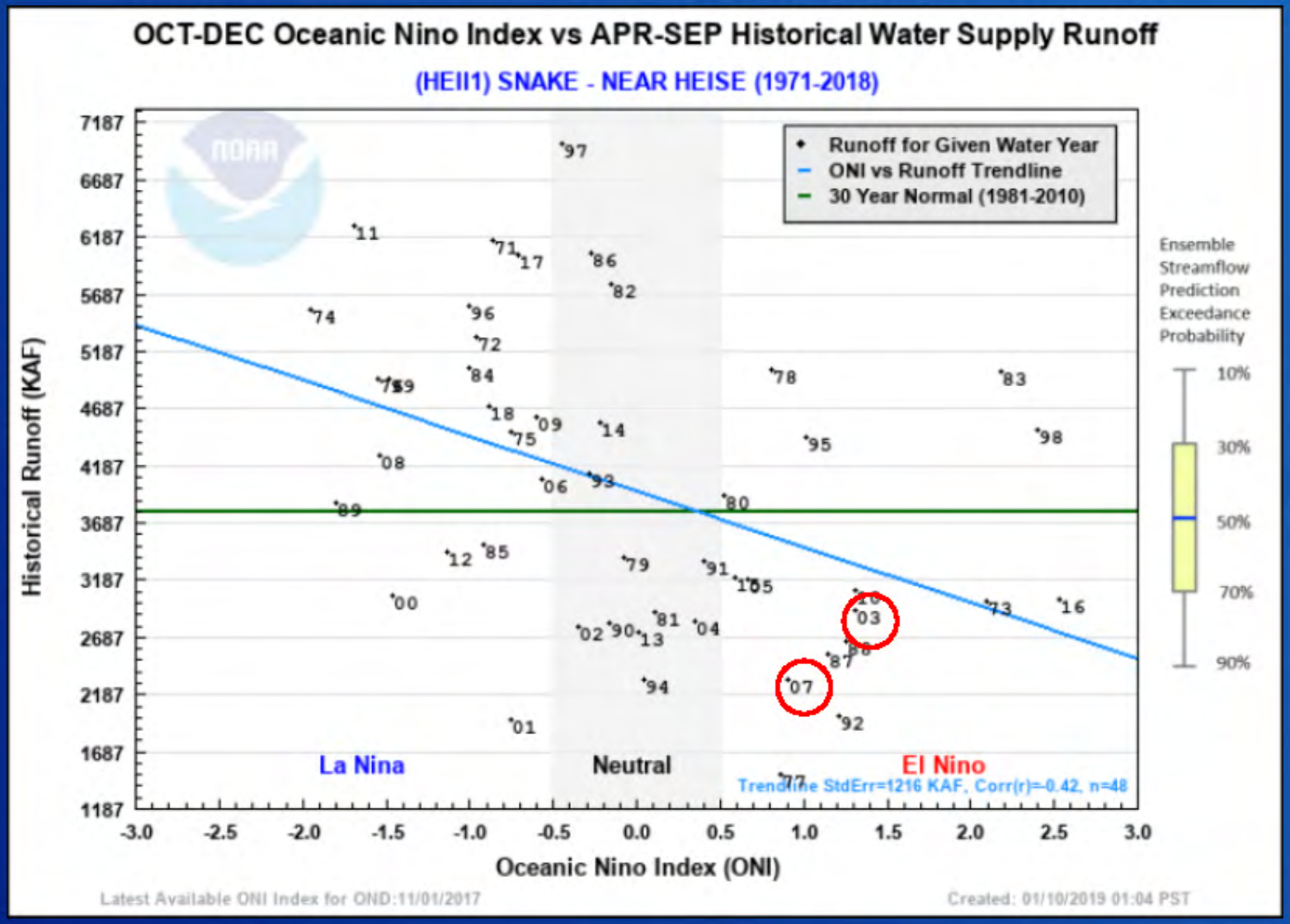
Snake above Palisades Group



2003			
Forecast Period	Forecast (kaf)	Actual (kaf)	Error
Jan-Jul	3275	2988	287
Feb-Jul	3025	2825	200
Mar-Jul	2780	2677	103
Apr-Jul	2800	2490	310
May-Jul	2330	2160	170

2007			
Forecast Period	Forecast (kaf)	Actual (kaf)	Error
Jan-Jul	3735	2456	1279
Feb-Jul	3100	2289	811
Mar-Jul	3040	2132	908
Apr-Jul	2370	1910	460
May-Jul	2000	1570	430

Forecasts assume normal subsequent conditions



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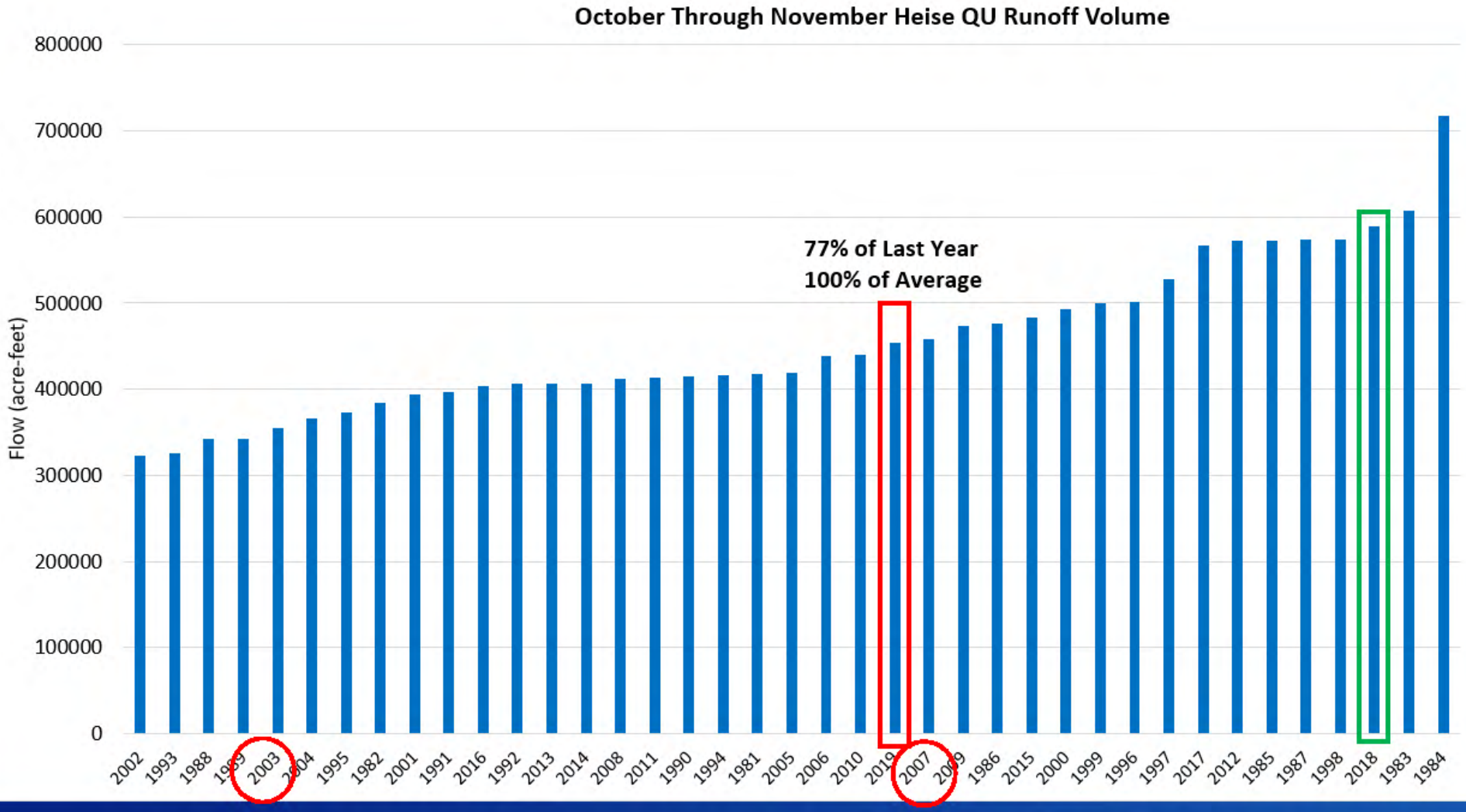

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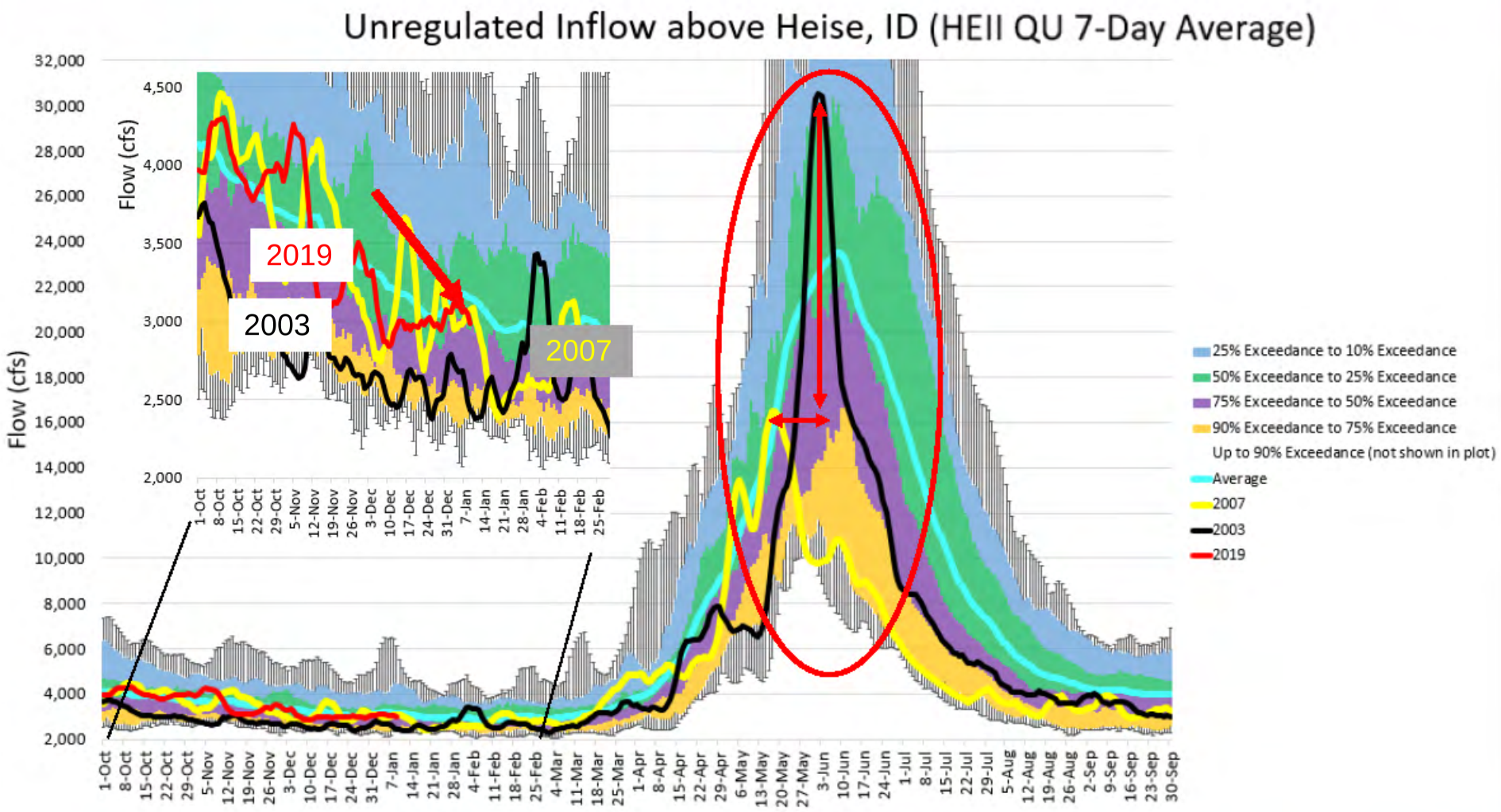

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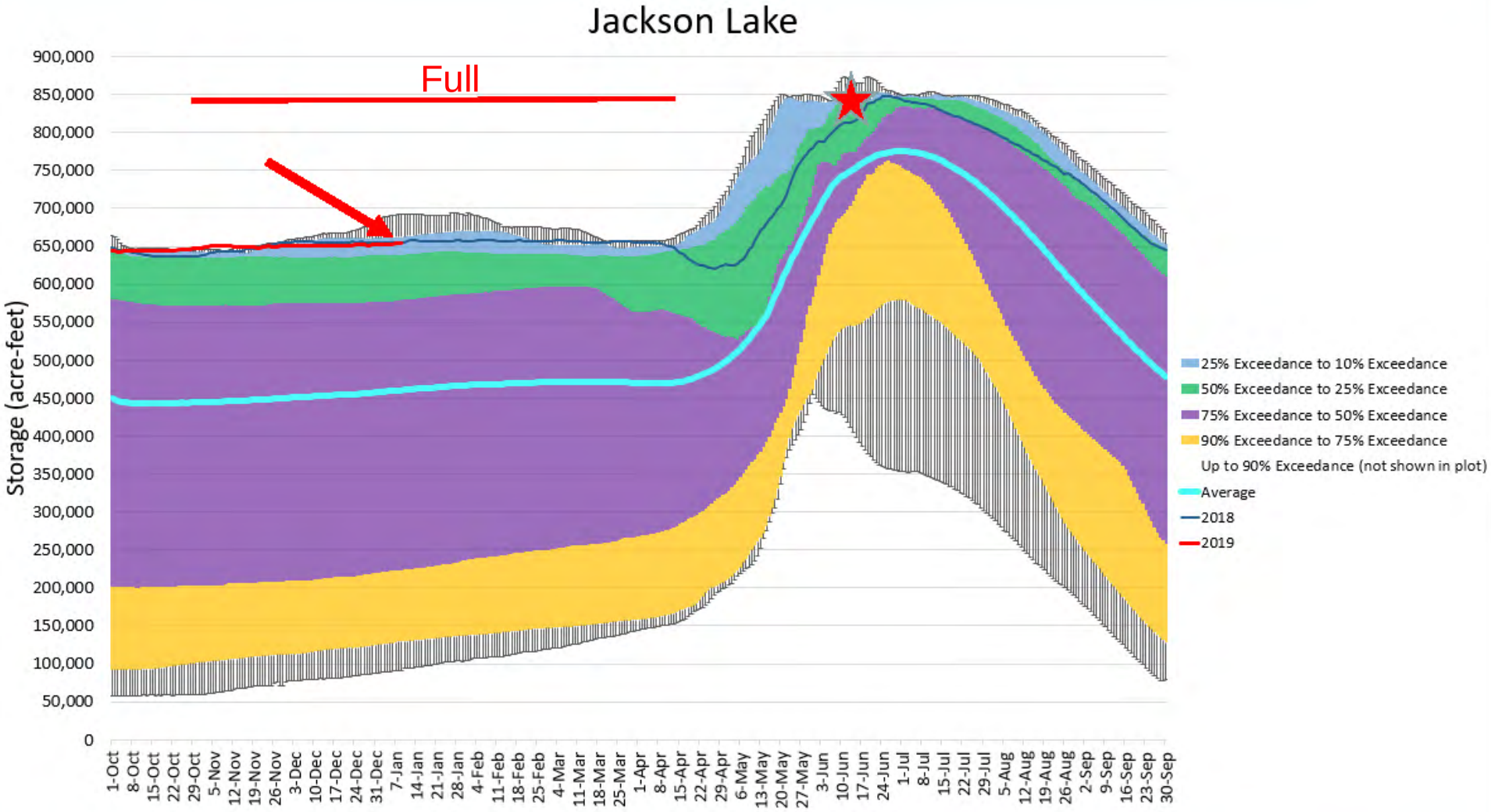

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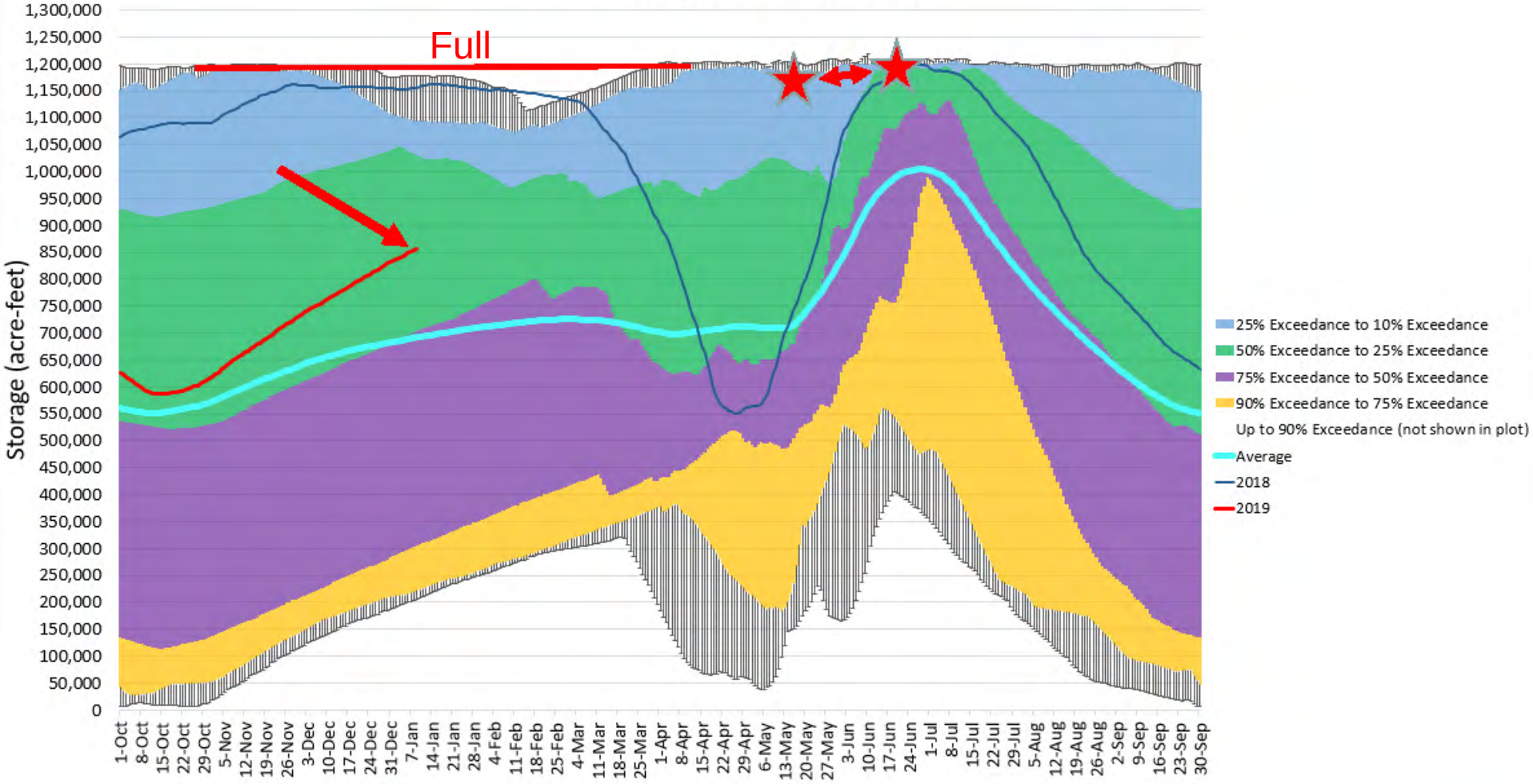
Palisades Reservoir



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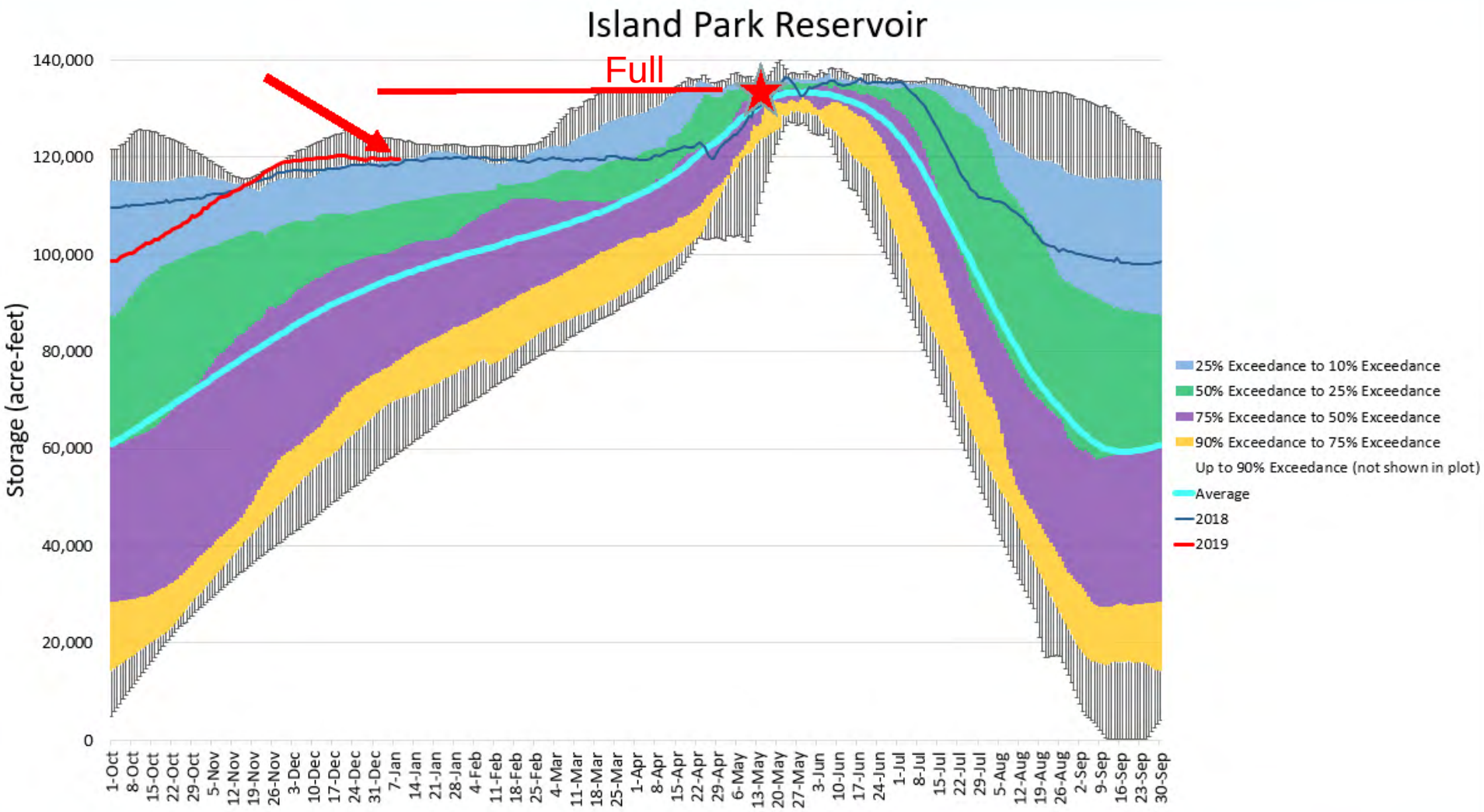

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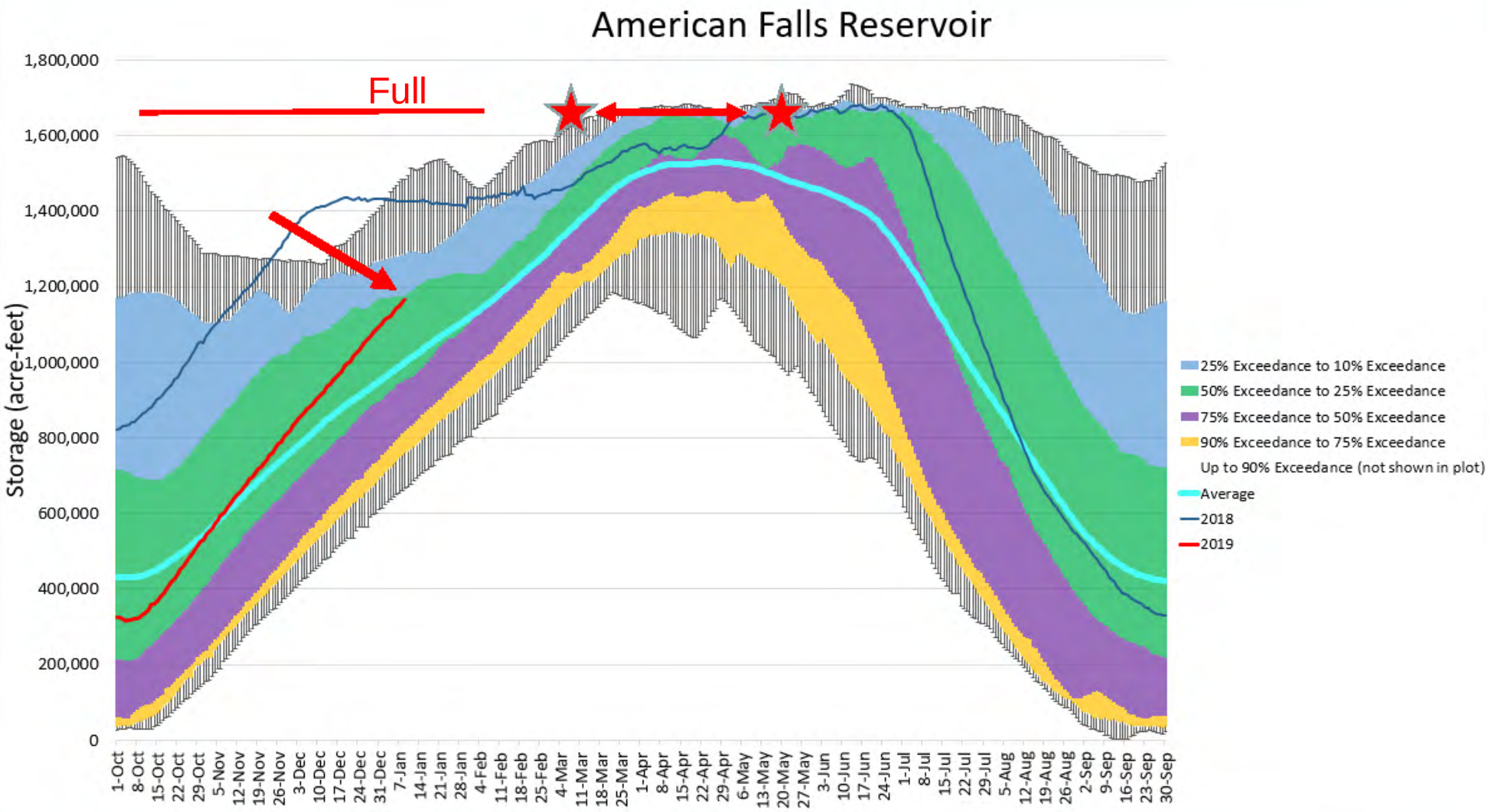

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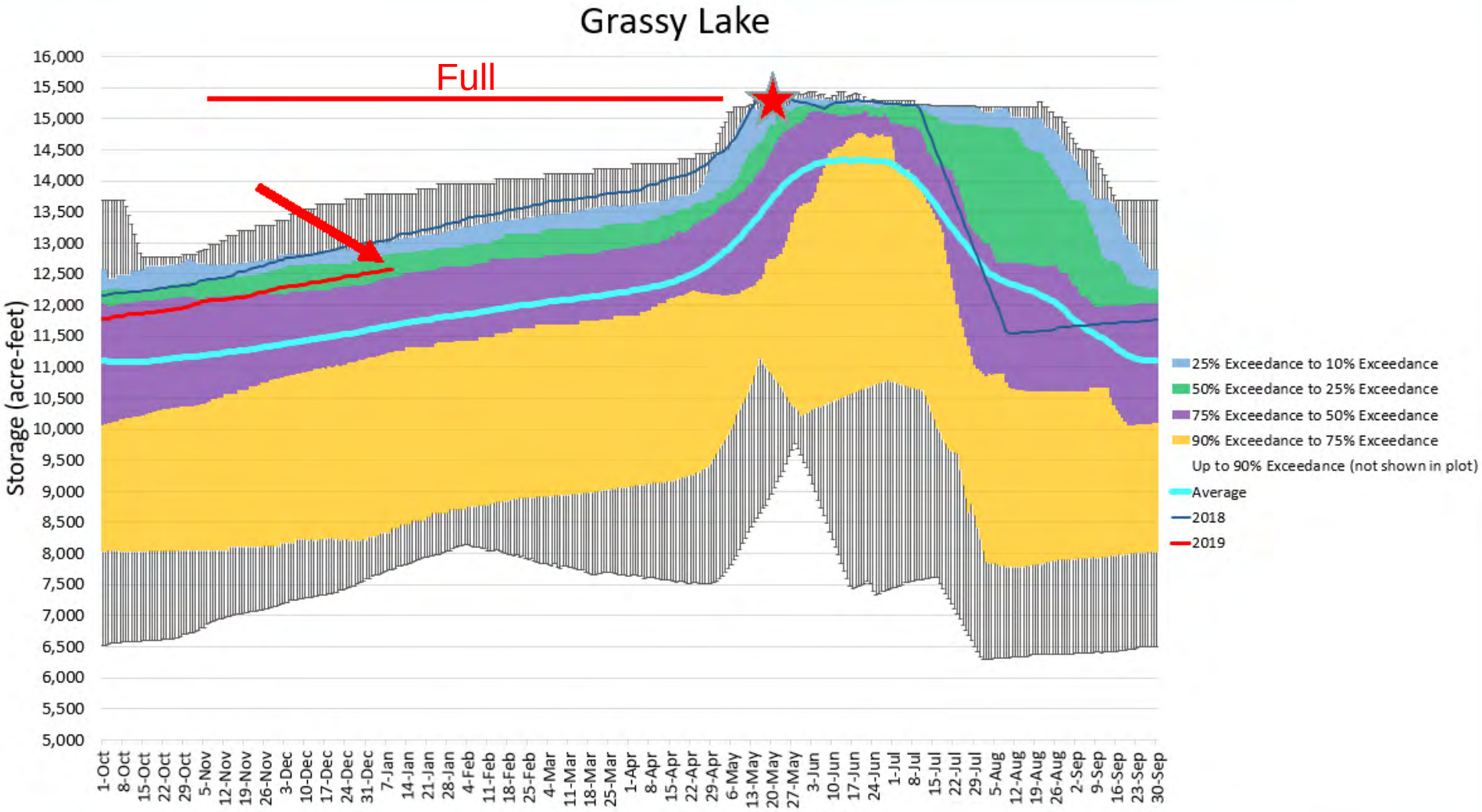

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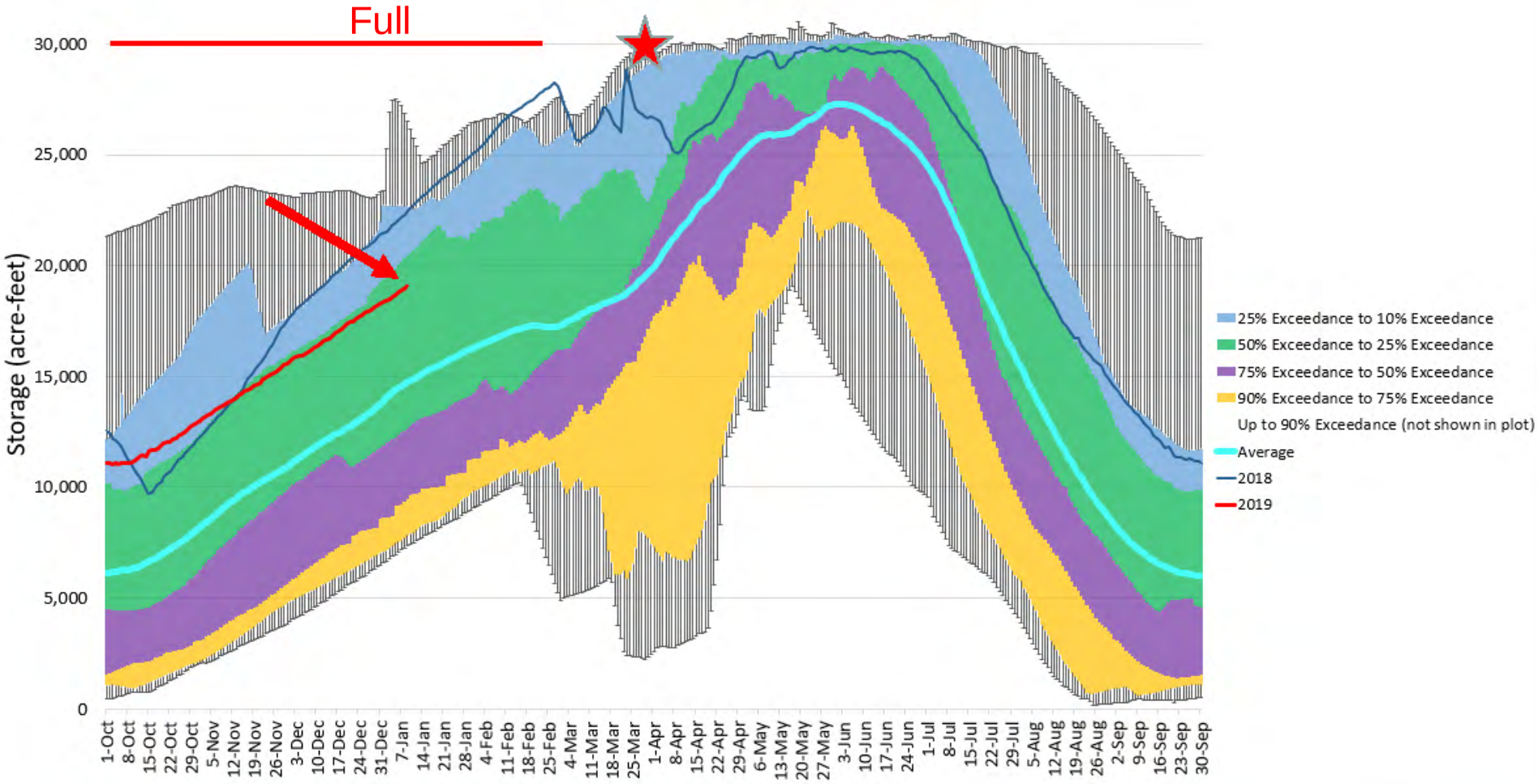
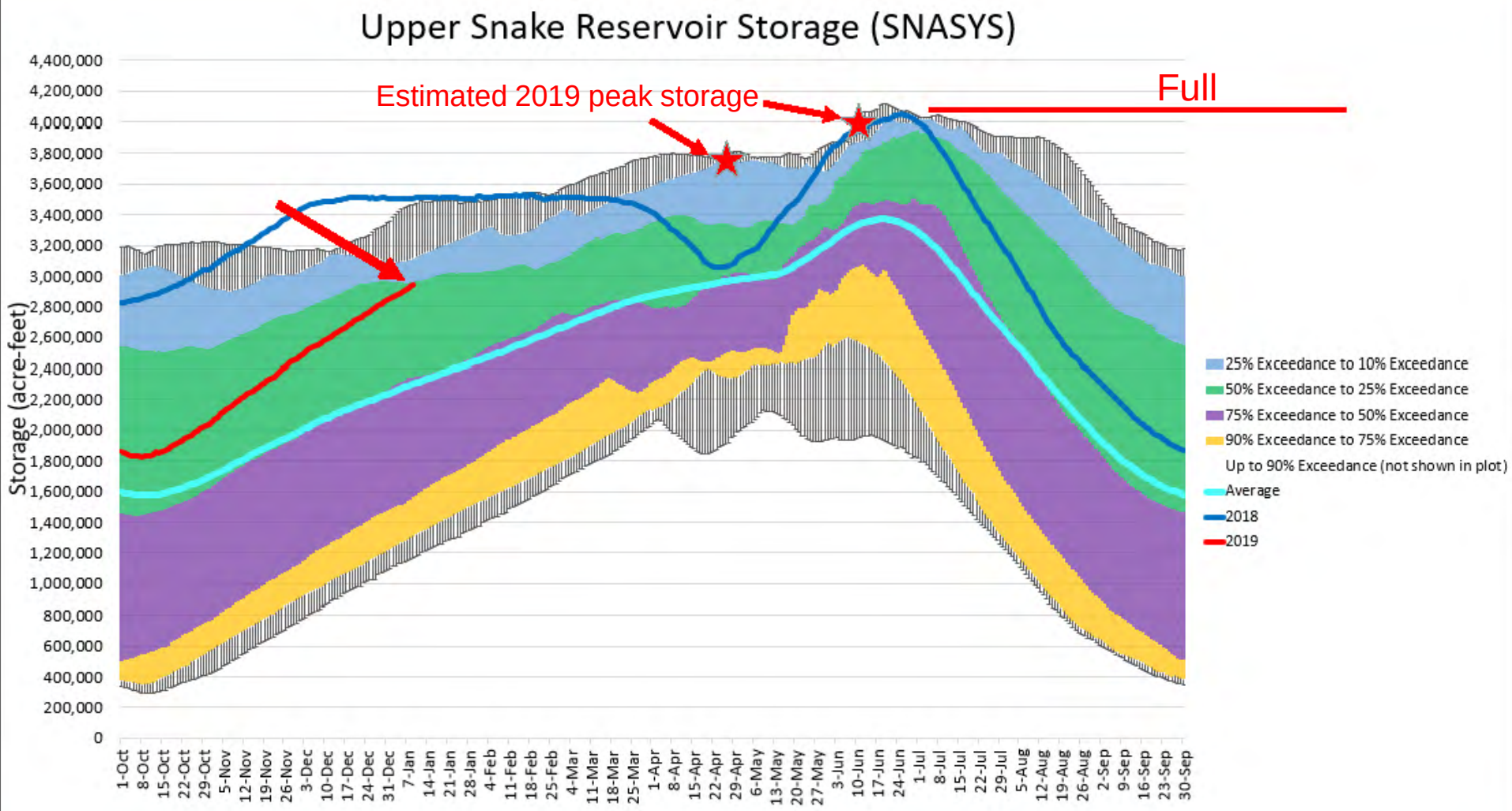
Little Wood Reservoir





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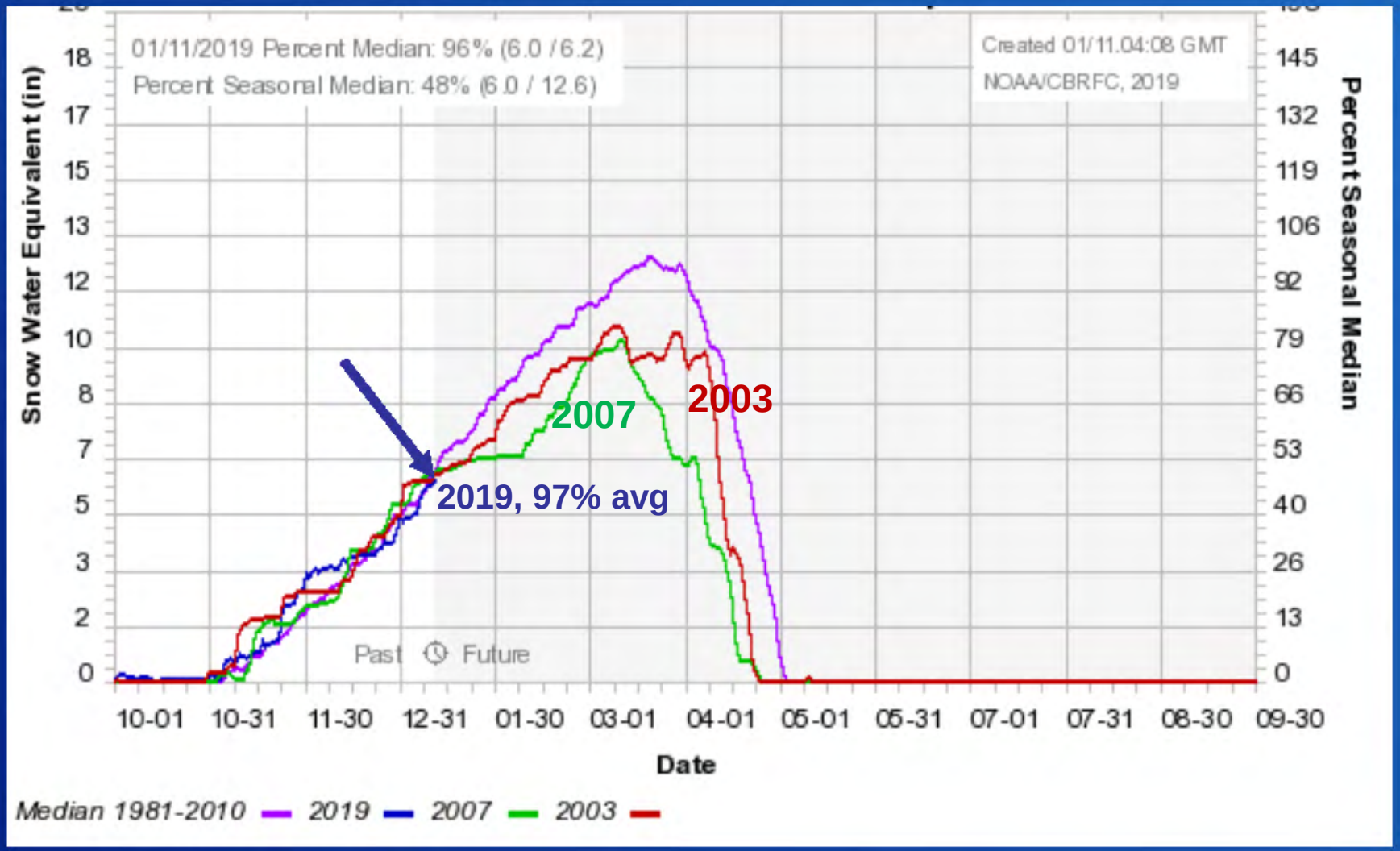
Willow Creek Watershed (Somsen Ranch & Sheep Mountain Snotel Sites)



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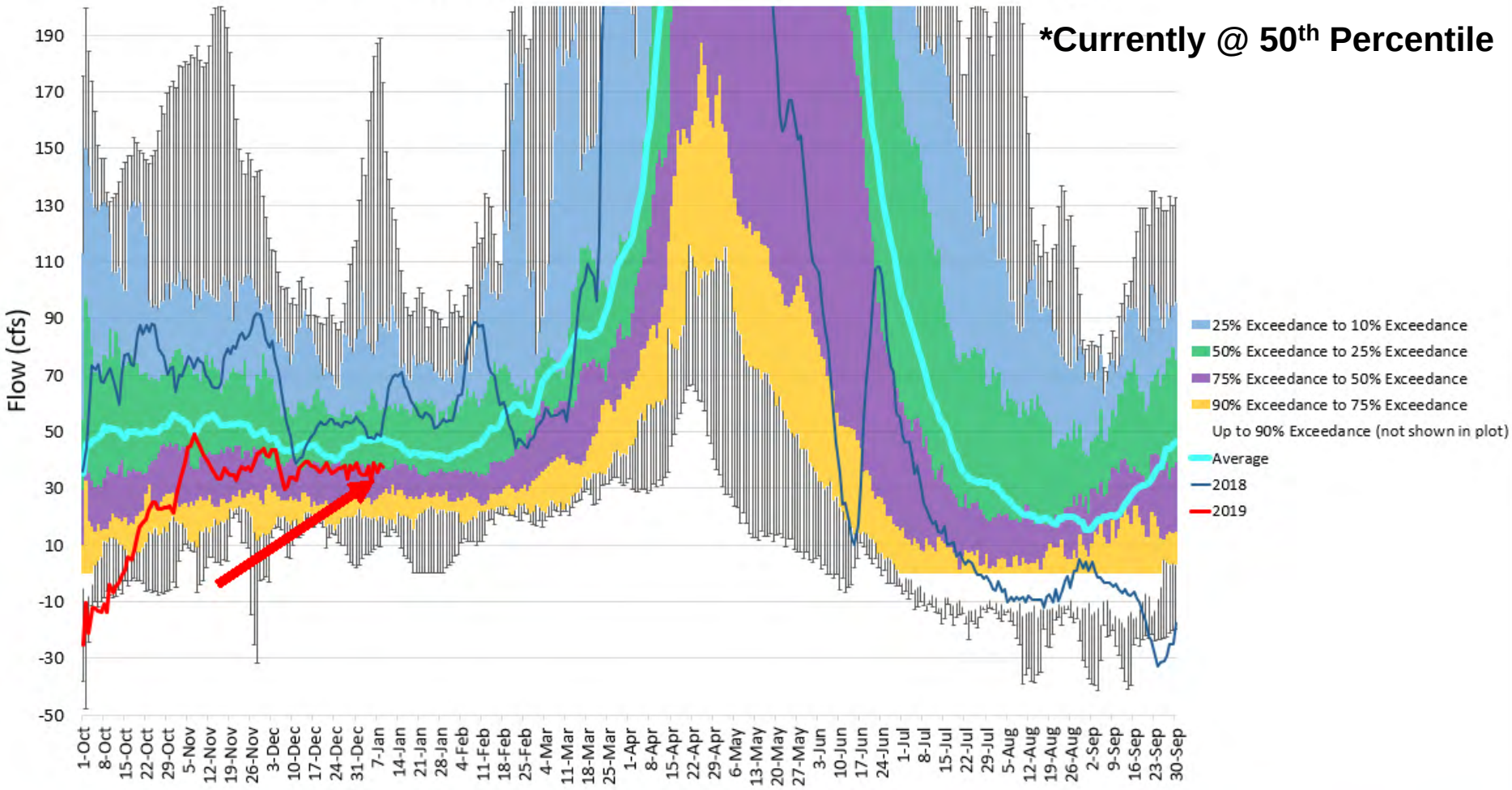
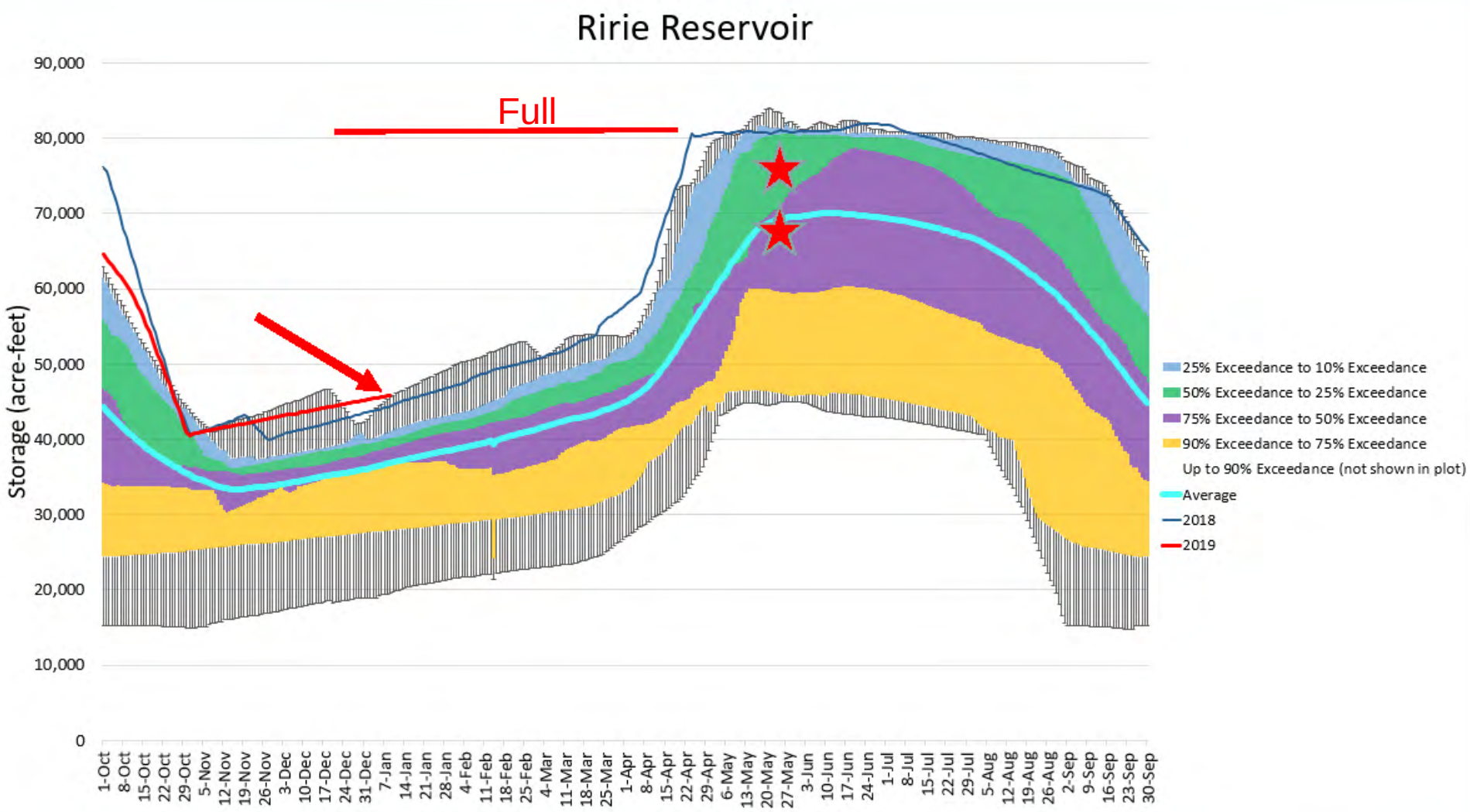
Inflow into Ririe Reservoir (RIR QU 7-Day Avg)





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Preliminary Operational Plan*

- Jackson Lake Dam – Stay at 460 cfs until changes are necessary to manage fill.
- Palisades Dam – Stay at 900 cfs until changes are necessary to manage fill.
- Island Park Dam – Stay at 500 cfs until ice on the reservoir recedes, then allow to fill.
- Ririe Dam – Forecasted reservoir levels and snow conditions indicate no need to make any release until late summer.
- American Falls – Currently at 530 cfs. Likely to be near full in March. Discharge at that time in the 900 to 5000 cfs range. Timing of irrigation demand and forecasted runoff patterns are key to March/April timing of fill.
- Milner Dam – Currently at 300 cfs. Discharge in March when American Falls fills potentially between 0 cfs and 4000 cfs.

*SUBJECT TO CHANGE

RECLAMATION

For More Information:

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