



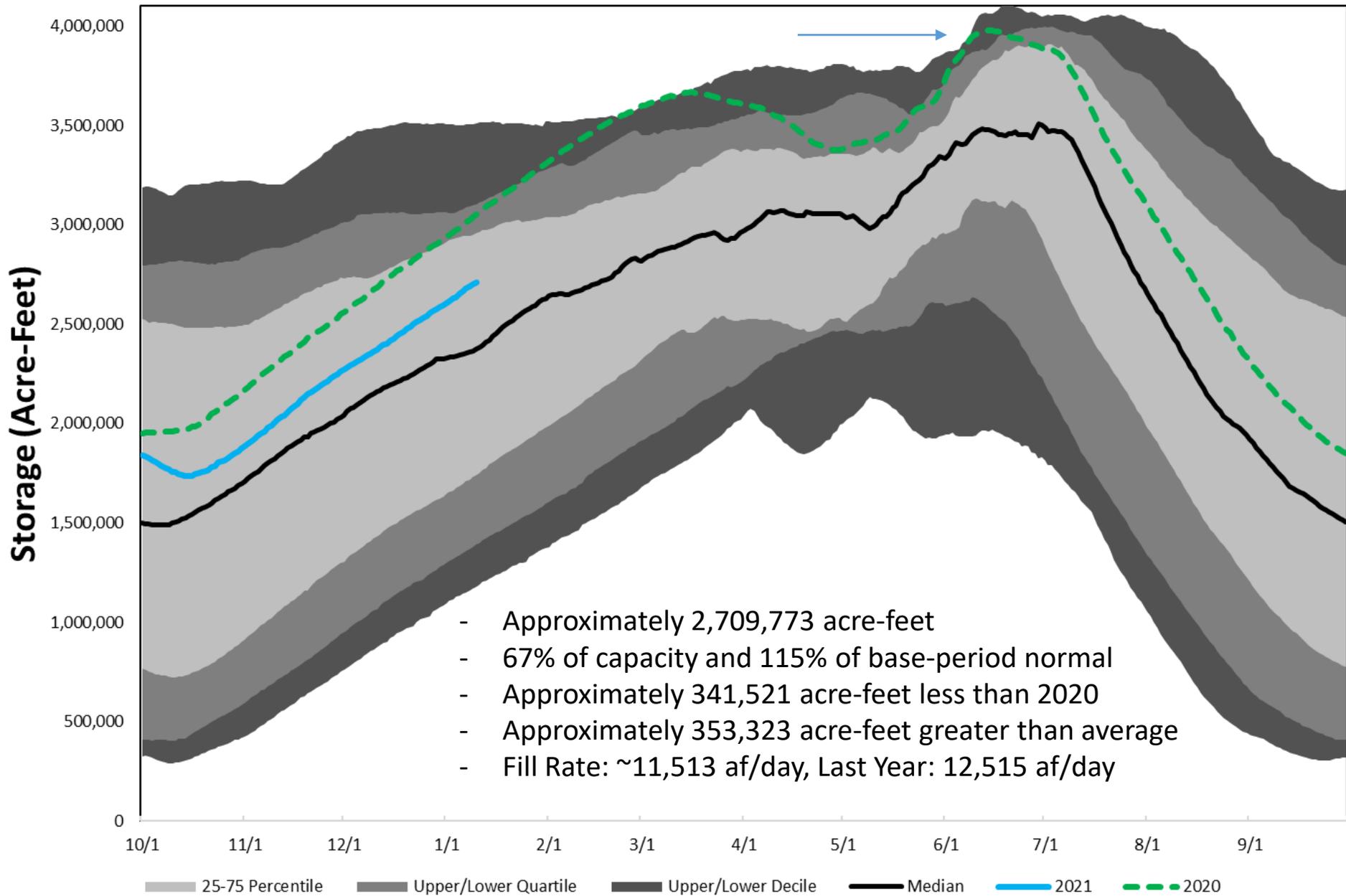
— BUREAU OF —
RECLAMATION

Upper Snake Storage Operations

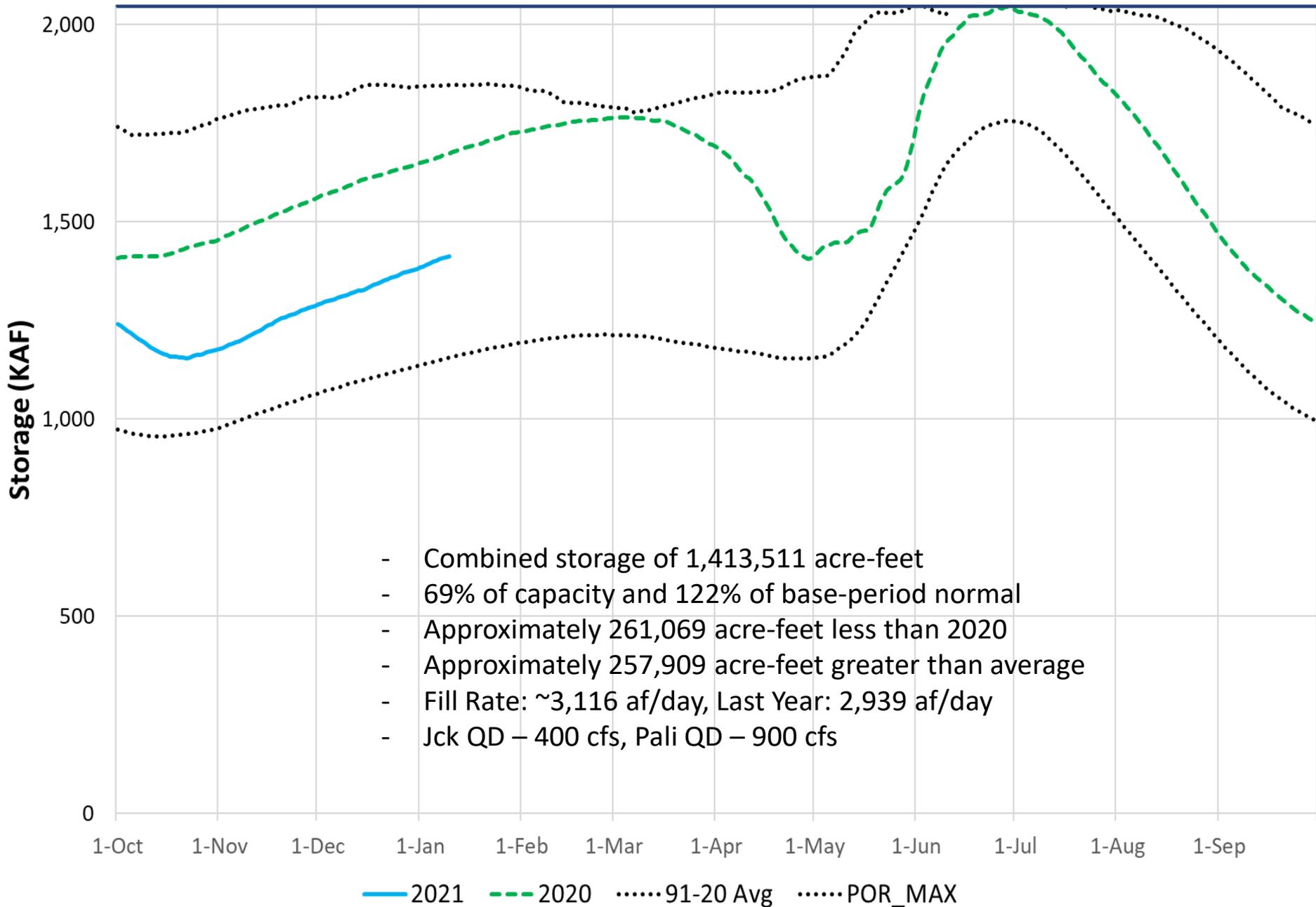
Idaho Water Supply Meeting
January 14, 2021

Upper Snake Reservoir System Total Storage (Acre-Feet)

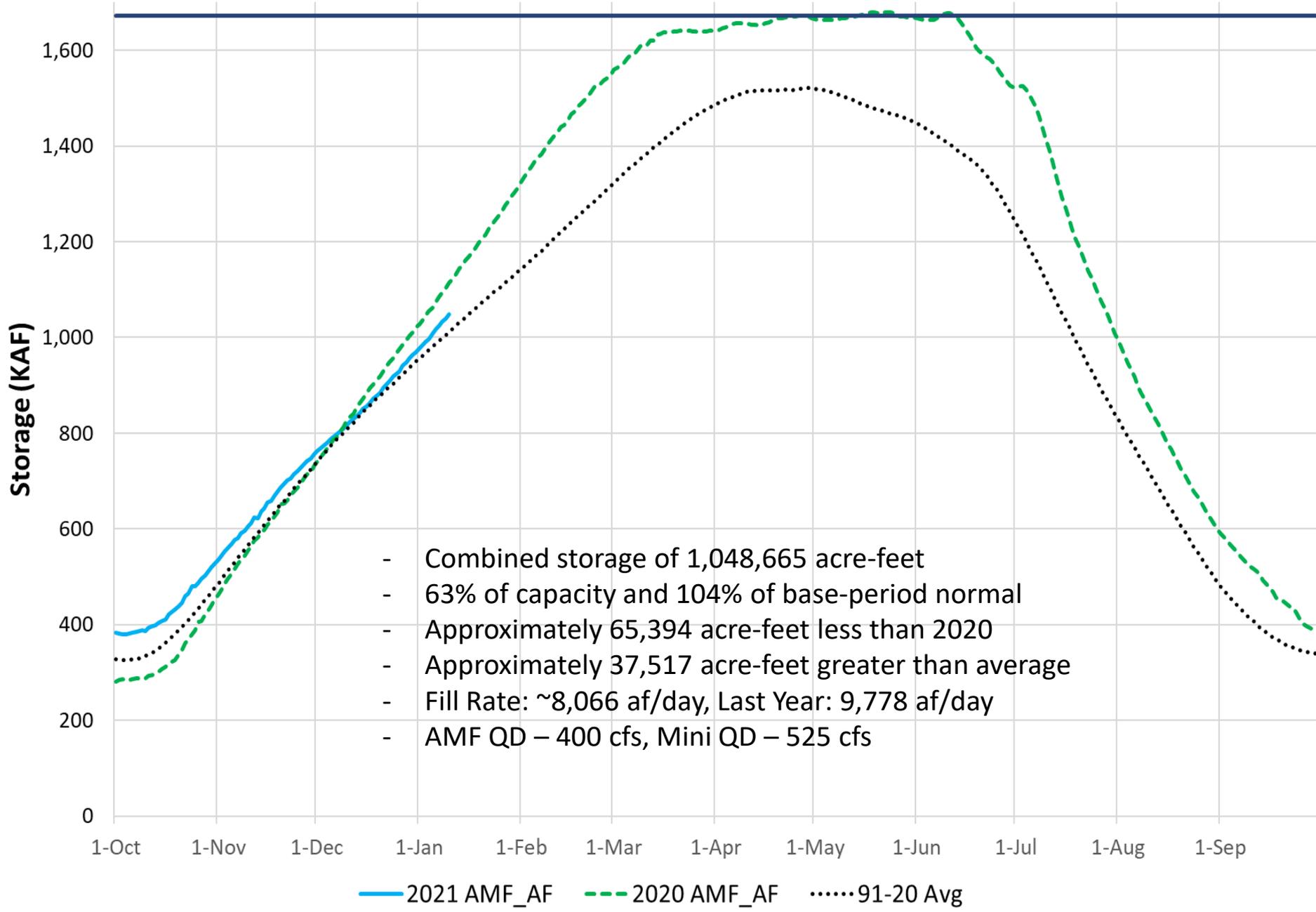
Historical Period 1977-2020



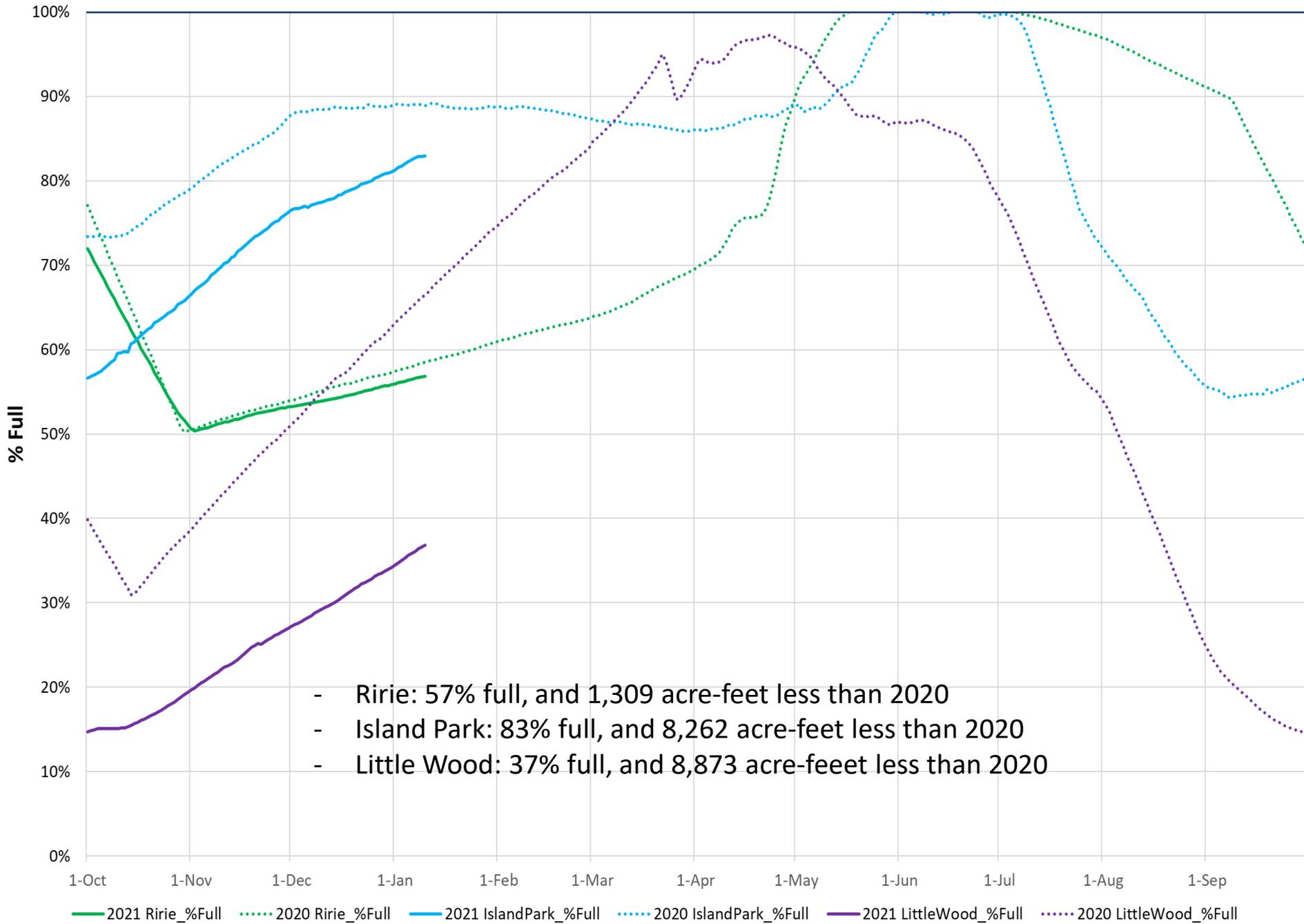
Jackson Lake + Palisades Storage (1,000 Acre-Feet)



American Falls Storage (1,000 Acre-Feet)



Island Park, Ririe, and Little Wood Storage (% Full)

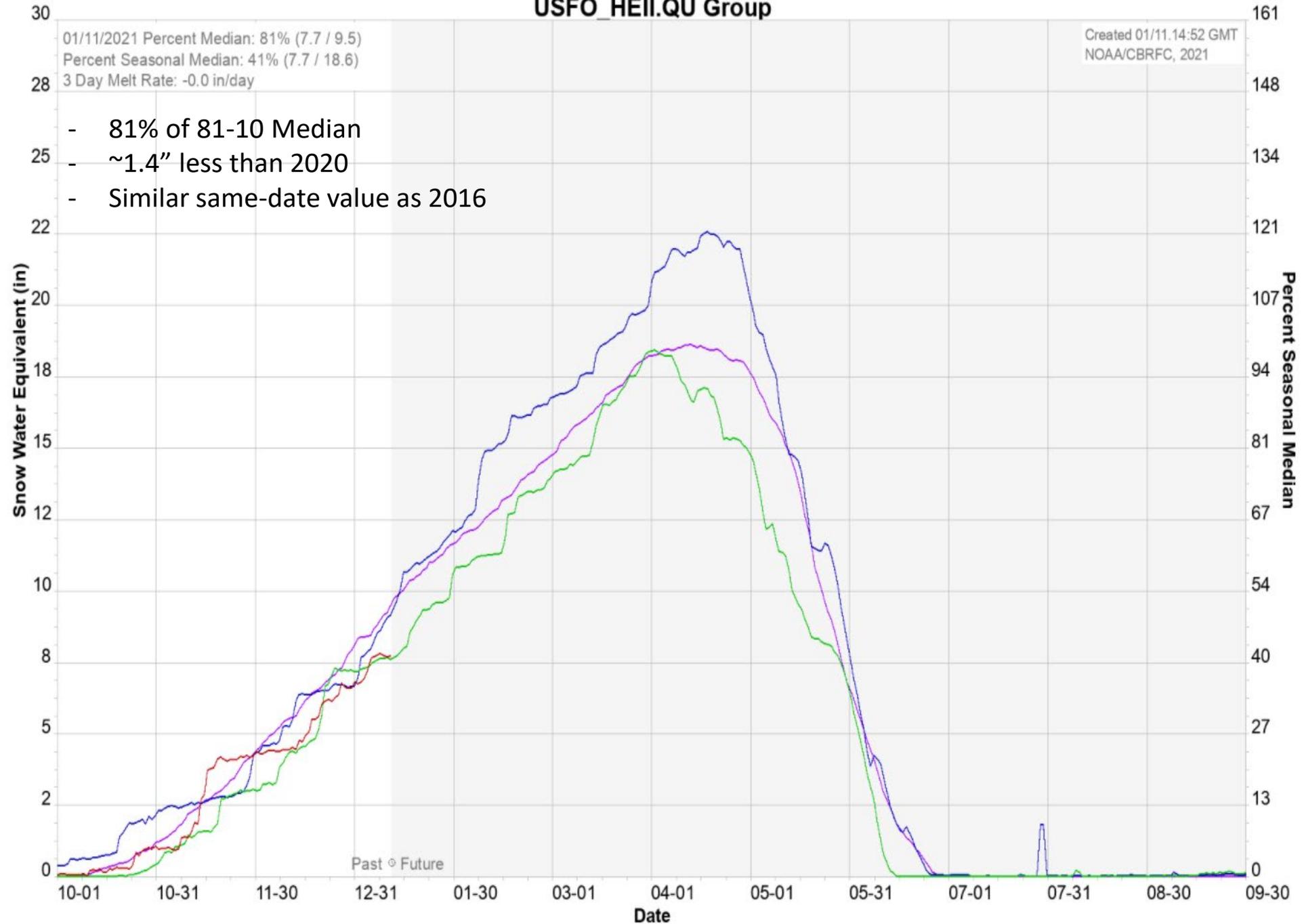


USFO_HEII.QU Group

01/11/2021 Percent Median: 81% (7.7 / 9.5)
Percent Seasonal Median: 41% (7.7 / 18.6)
3 Day Melt Rate: -0.0 in/day

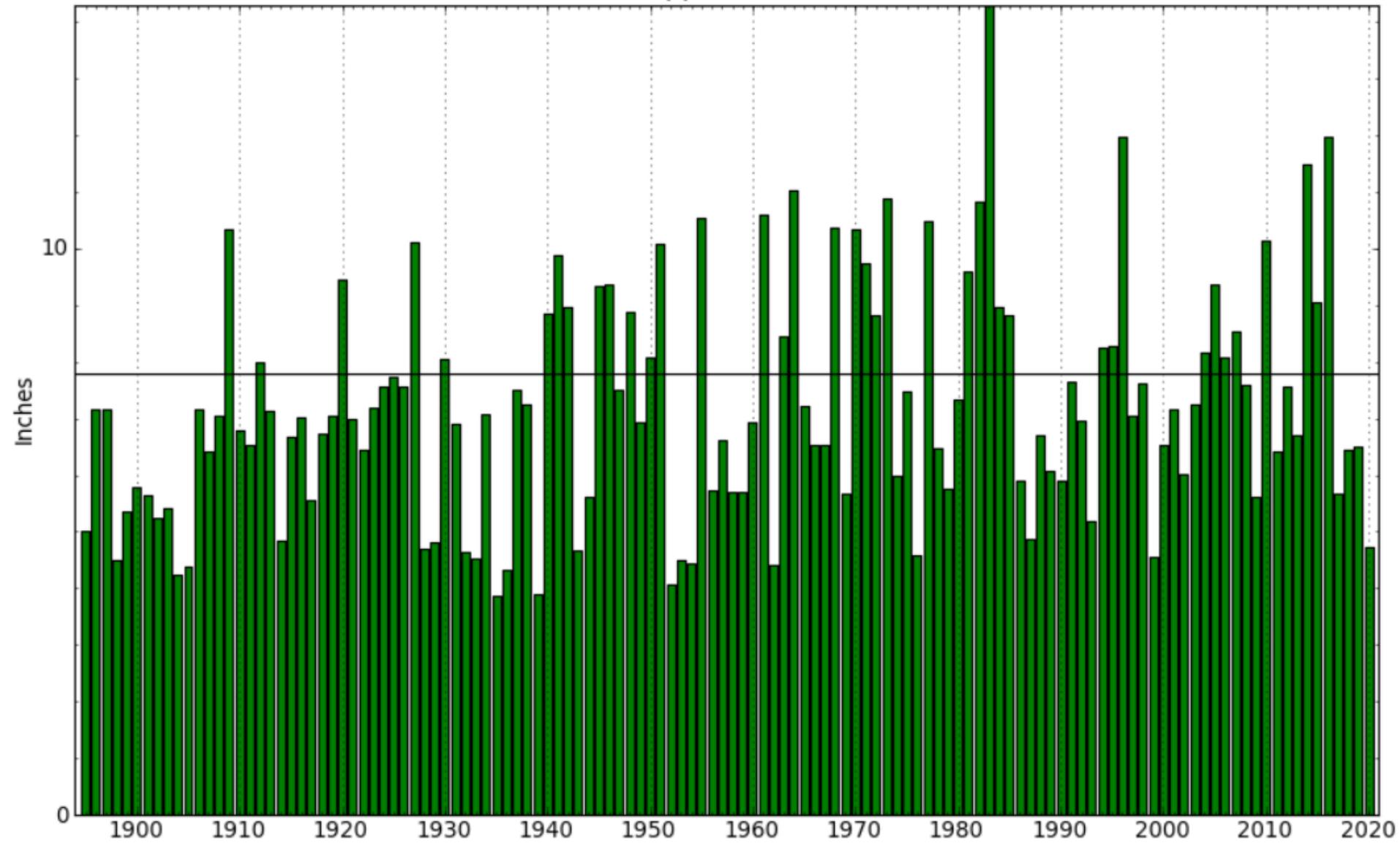
Created 01/11.14:52 GMT
NOAA/CBRFC, 2021

- 81% of 81-10 Median
- ~1.4" less than 2020
- Similar same-date value as 2016



Median 1981-2010 - 2020 - 2016 - 2021 -

Precipitation, 5-Months Ending in December Upper Snake



- 61% of normal precipitation since July
- ~1.8" less than previous year
- Low base-flows





NWSPocatello

Pretty Weak Snowfall (So Far)

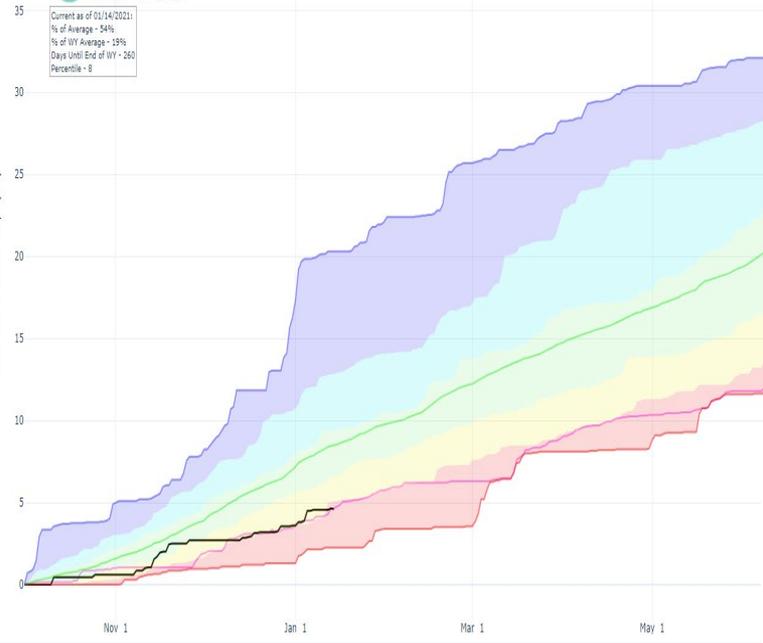
3rd Least Amount of Snow through Jan 9th weather.gov/pocatello

Year	Snowfall, October 1 st to January 9 th at Pocatello Regional Airport	Liquid Water Equivalent that had fallen so far
1950-1951	4.0 inches	3.44 inches
1960-1961	4.8 inches	2.40 inches
2020-2021	5.3 inches	1.61 inches
2002-2003	5.4 inches	1.67 inches
2011-2012	6.4 inches	3.37 inches

Yes, it's not been much of a snowy winter, but not the worst snow to this point. You might remember the two least snowiest October 1st to January 9th periods, but you are likely on Social Security, being they were 1950-51 and 1960-1961. However, it looked like there was just more rain than usual, while 2020-21 has had little of either.



-54% of average



Current as of 01/14/2021:
% of Average - 54%
% of WY Average - 19%
Days Until End of WY - 260
Percentile - 8

Link to data: CSV / JSON

- Station List
- Max
 - Average (POR)
 - Average ('81-'10)
 - Min
 - Stats. Shading
 - 2021 (2 sites)
 - 2020 (2 sites)
 - 2019 (2 sites)
 - 2018 (2 sites)
 - 2017 (2 sites)
 - 2016 (2 sites)
 - 2015 (2 sites)
 - 2014 (2 sites)
 - 2013 (2 sites)
 - 2012 (2 sites)
 - 2011 (2 sites)
 - 2010 (2 sites)
 - 2009 (2 sites)
 - 2008 (2 sites)
 - 2007 (2 sites)
 - 2006 (2 sites)
 - 2005 (2 sites)
 - 2004 (2 sites)
 - 2003 (2 sites)
 - 2002 (2 sites)
 - 2001 (2 sites)

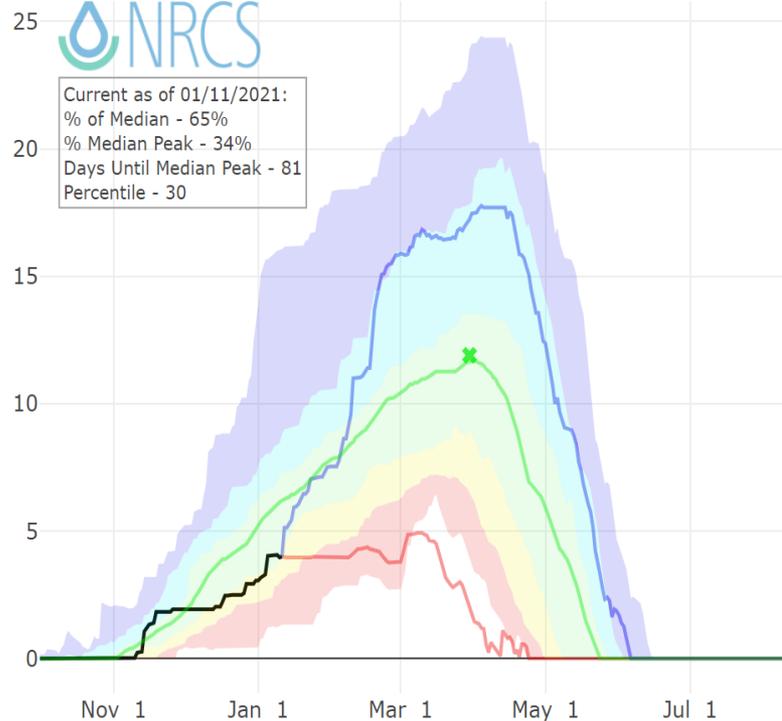
Snow Water Equivalent Projections in Little Wood River

Jan Apr July WY



Current as of 01/11/2021:
% of Median - 65%
% Median Peak - 34%
Days Until Median Peak - 81
Percentile - 30

Snow Water Equivalent (in.)



Station List

- ✖ Median Peak SWE
- Median (POR)
- Median ('81-'10)
- Stats. Shading
- Max Proj
- 90% Proj
- 70% Proj
- 50% Proj
- 30% Proj
- 10% Proj
- Min Proj
- 2021 (3 sites)
- 2020 (3 sites)
- 2019 (3 sites)
- 2018 (3 sites)
- 2017 (3 sites)
- 2016 (3 sites)
- 2015 (3 sites)
- 2014 (3 sites)

CURRENT MONTHLY FORECAST SUMMARY
JAN 1, 2021

FORECAST POINT	FORECAST PERIOD	1981-2010 AVERAGE (KAF)	NORMAL SUBSEQUENT CONDITIONS	
			FORECAST (KAF)	PERCENT NORMAL
*** HEISE	JAN-JUL	3790	3375	89%
** JACKSON LAKE	JAN-JUL	861	780	91%
ISLAND PARK	JAN-JUL	303	229	76%
TETON	JAN-JUL	451	373	83%
*** RIRIE	JAN-JUN	74	56	76%
*** LITTLE WOOD	JAN-JUL	94	60	64%

* PCA Forecast

** Average of some or all of the following: PCA, MLR, RFC

*** Coordinated with USACE

**** RFC or NRCS

- Little Wood historical irrigation demand for April-July ~35-50 kaf



SNAKE - NEAR IRWIN

Forecasts For Water Year **2021**

Experimental Water Supply

HEFS with 15 days EQPF

*Ensemble: **2021-01-10** Issued: 2021-01-10*

Forecast Period	Forecasts Are in KAF				Obs Runoff (2021-01-10)	30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %		
OCT					153	183
NOV					159	162
DEC					141	151
JAN	135	135	95	138	43*	143
FEB	111	113	91	130		124
MAR	125	145	89	193		162
APR	200	293	83	487		354
MAY	651	876	88	1018		991
JUN	490	931	81	1448		1155
JUL	234	418	76	720		552
AUG	164	234	89	337		263
SEP	137	177	91	234		195



Preliminary Operational Plan*

- Jackson Lake Dam – Adjust outflow as needed to maintain 200 KAF requirement through period
- Palisades Dam – Expected to maintain the current outflow target through the end of February. Subject to forecasts
- Island Park Dam – Continue filling at current rate until targets are achieved and then adjust to maintain until ice-off
- Ririe Dam – Continue with zero releases through end of February
- American Falls – Expecting to maintain current outflow of approximately 400 cfs through Feb 15, or later
- Lake Walcott/Minidoka Dam – Expecting to maintain releases between 525-550 cfs through Feb 15. Reservoir is near normal winter operating levels for increased turbine efficiency
- Little Wood – Dry conditions are persisting, zero releases expected through March



*SUBJECT TO CHANGE



— BUREAU OF —
RECLAMATION

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