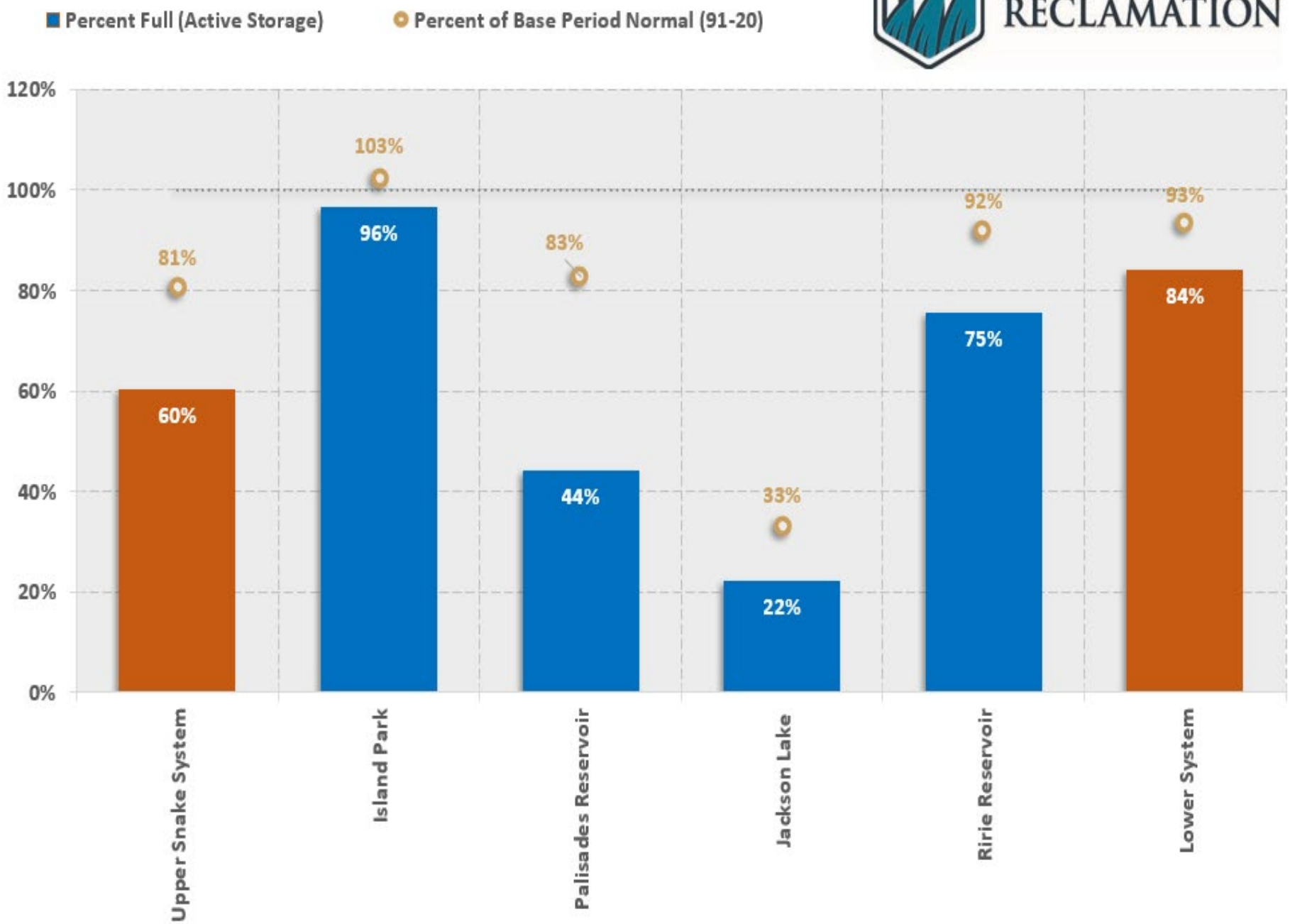
BUREAU OF RECLAMATION

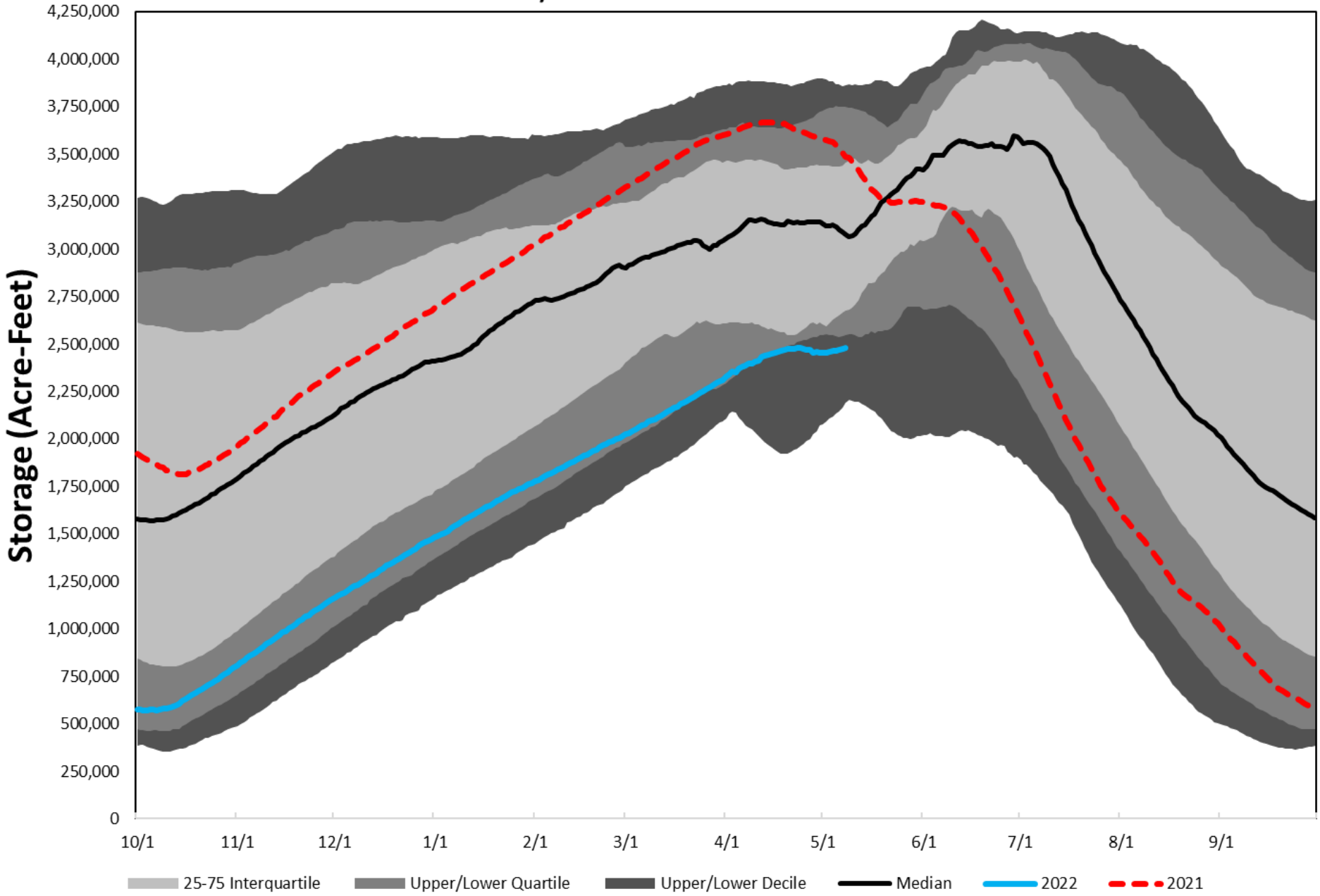
May 11, 2022
Idaho Water Supply
Upper Snake Water Management Lead
Jeremy Dalling (208-670-0761)

Snake above King Hill Storage (May 9)

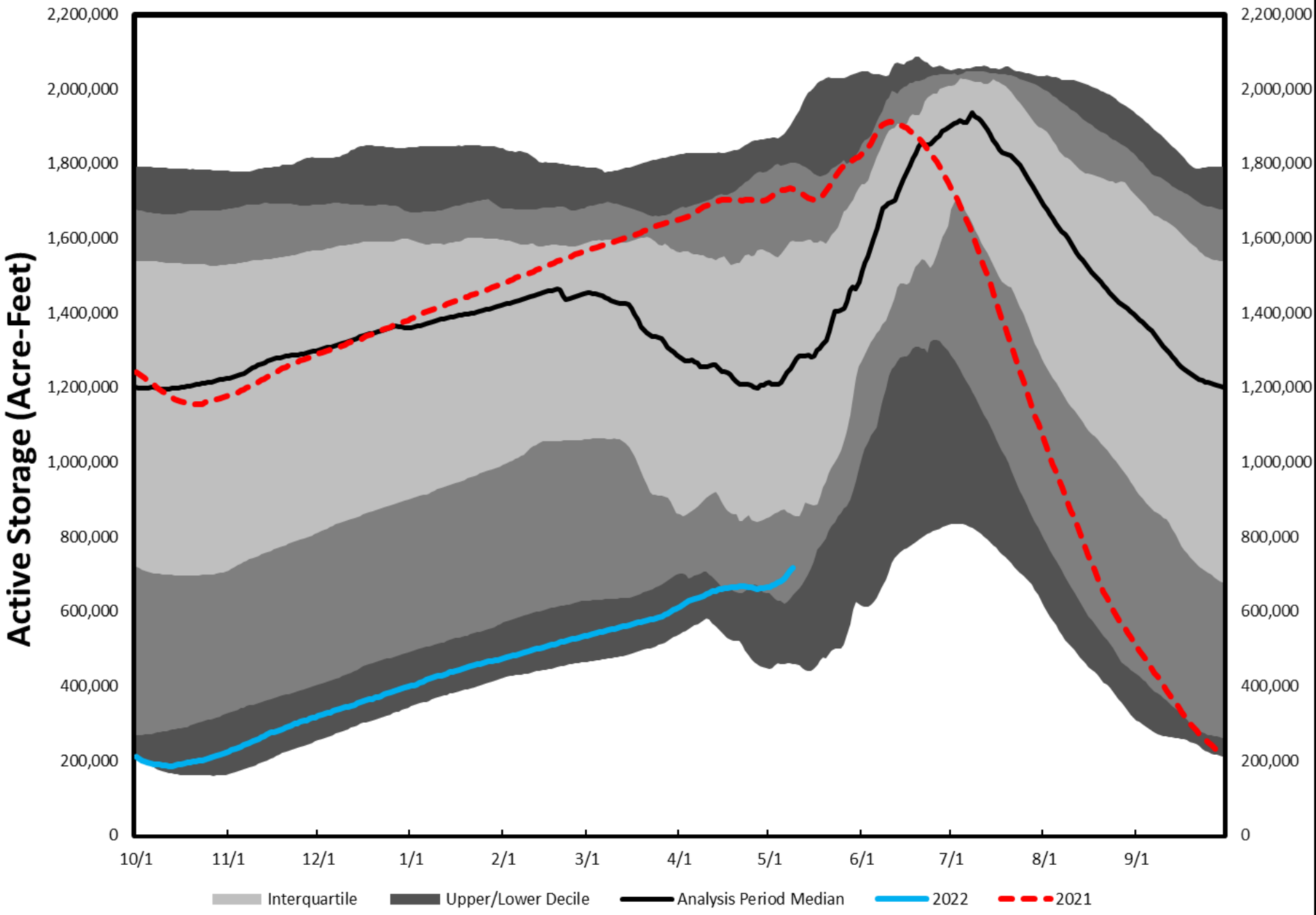


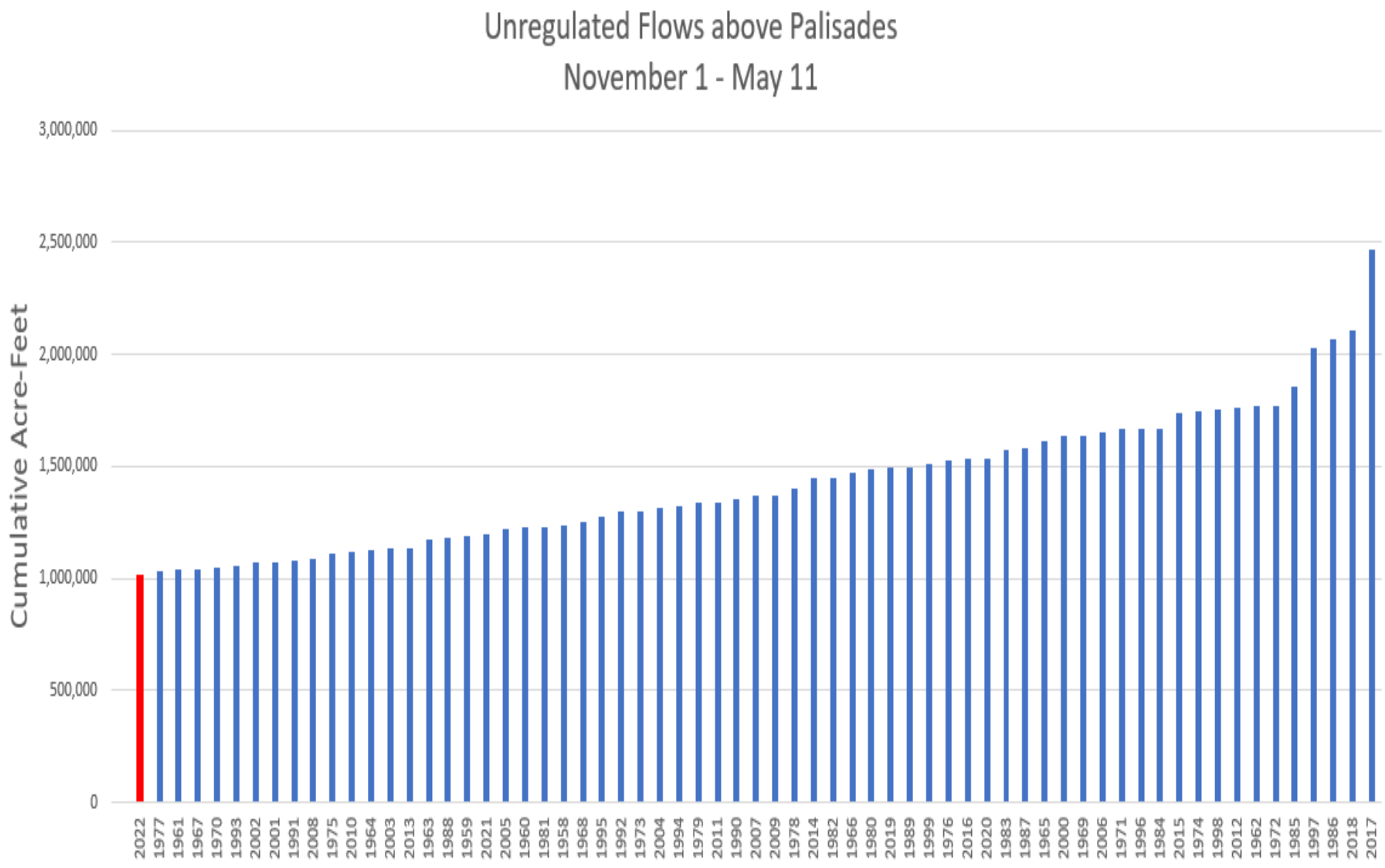
Upper Snake Reservoir System Total Storage (Acre-Feet)

Analysis Period 1977-2021

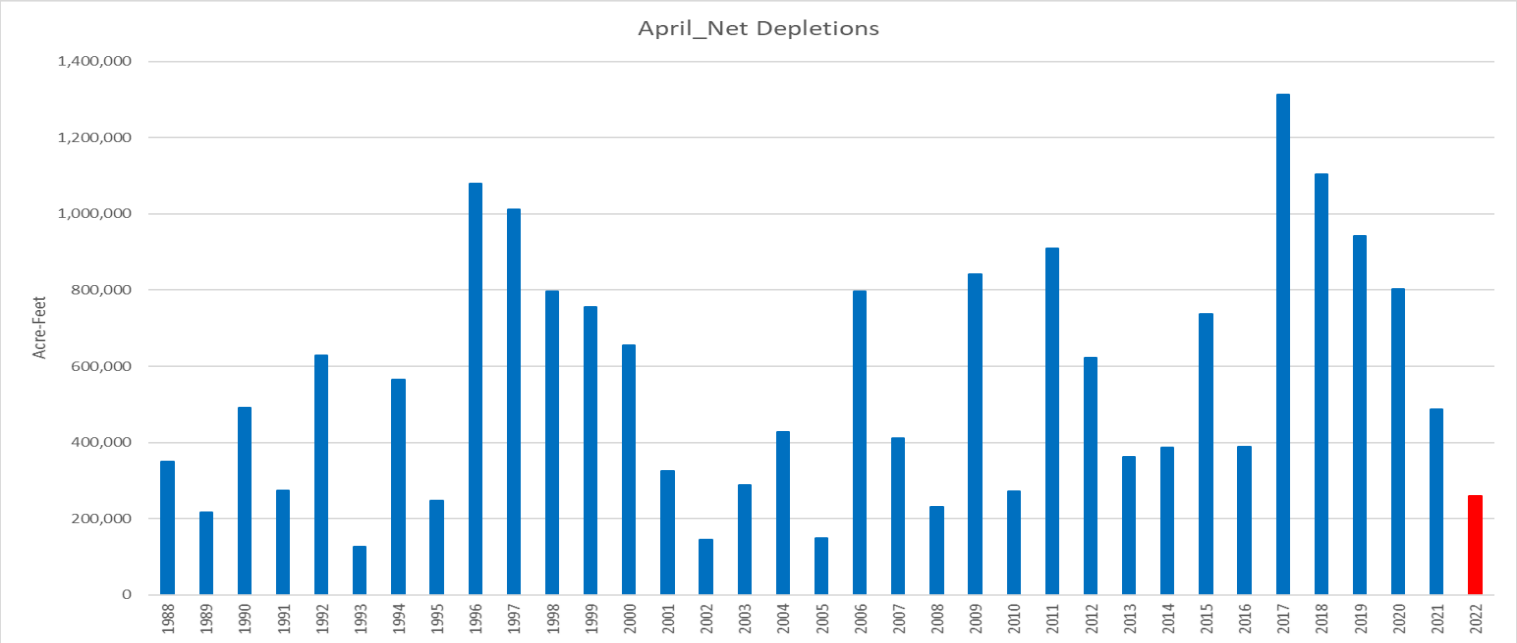


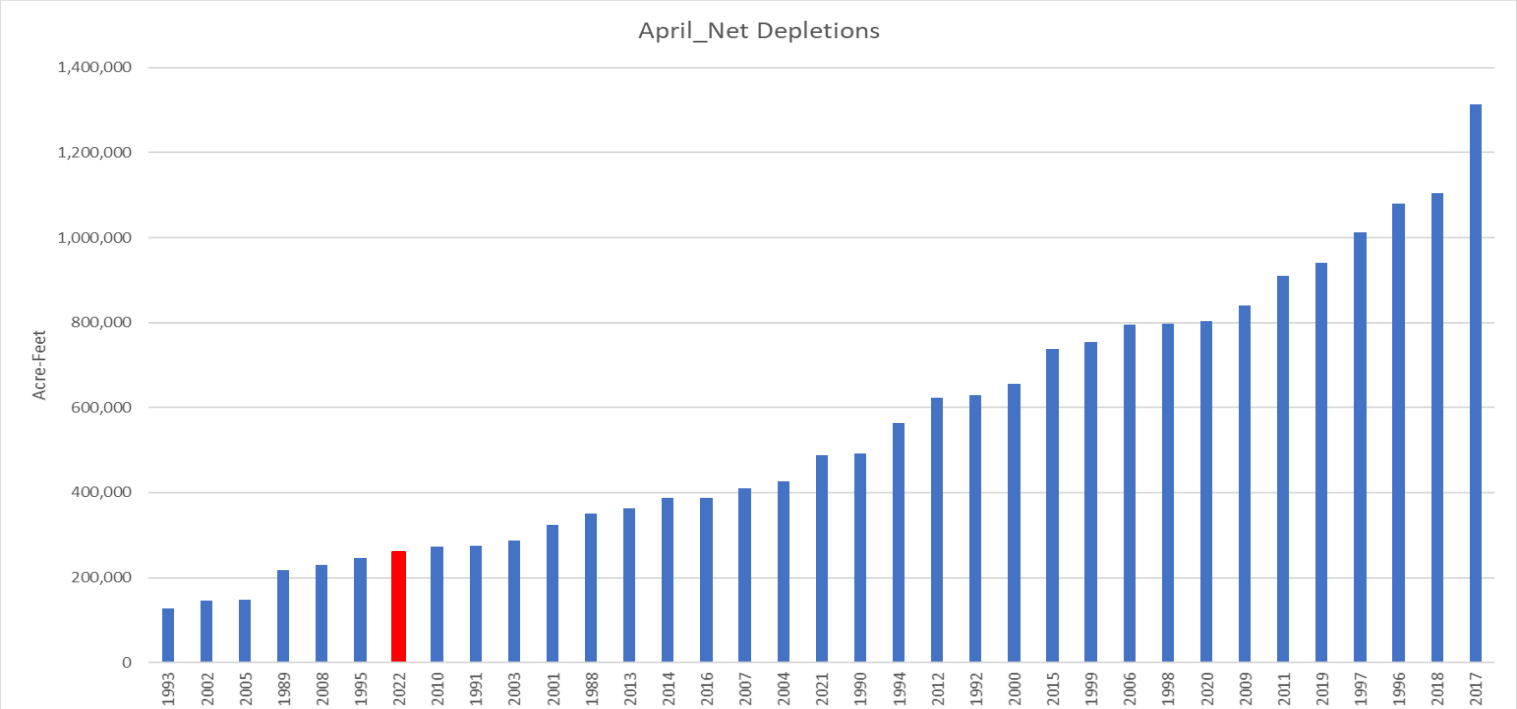
Jackson and Palisades Storage (1958-2021)




Unregulated Flows above Palisades
November 1 - May 11
Cumulative Acre-Feet
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
2022
1977
1961
1967
1970
1993
2002
2001
1991
2008
1975
2010
1964
2003
2013
1963
1988
1959
2021
2005
1960
1981
1958
1968
1995
1992
1973
2004
1994
1979
2011
1990
2007
2009
1978
2014
1982
1966
1980
2019
1989
1999
1976
2016
2020
1983
1987
1965
2000
1969
2006
1971
1996
1984
2015
1974
1998
2012
1962
1972
1985
1997
1986
2018
2017

April Conditions: Cool and Wet



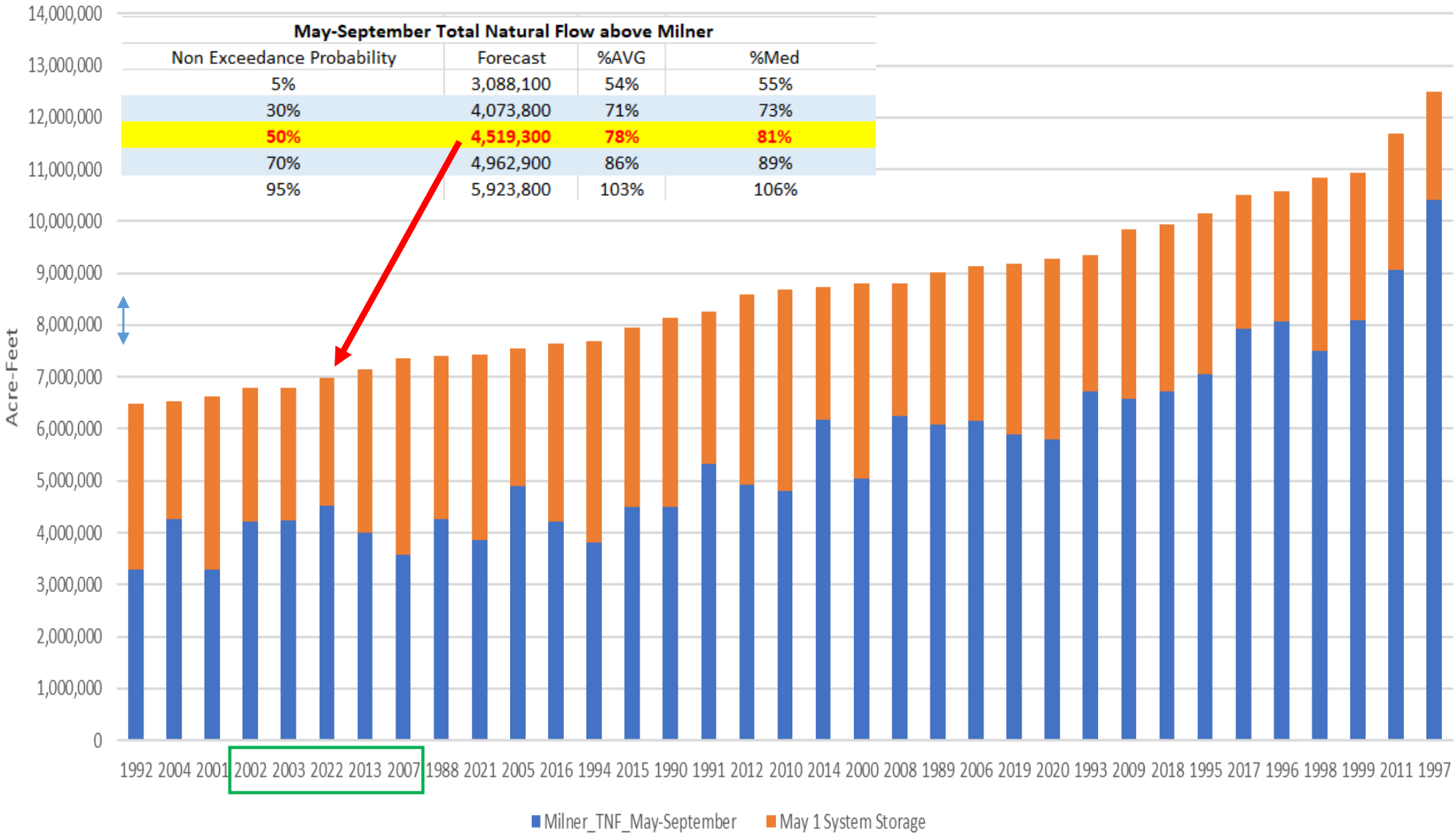


CURRENT MONTHLY FORECAST SUMMARY
MAY 1, 2022

FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	FORECAST (KAF)	PERCENT NORMAL
*** HEISE	MAY-JUL	2898	2200	76%
JACKSON LAKE	MAY-JUL	701	530	76%
ISLAND PARK	MAY-JUL	158	103	65%
TETON	MAY-JUL	303	226	75%
*** RIRIE	MAY-JUN	35	19	55%
*** LITTLE WOOD	MAY-JUL	52	31	60%

* Coordinated with USACE

May 1 Water Supply - System Storage + Total Natural Flow above Milner

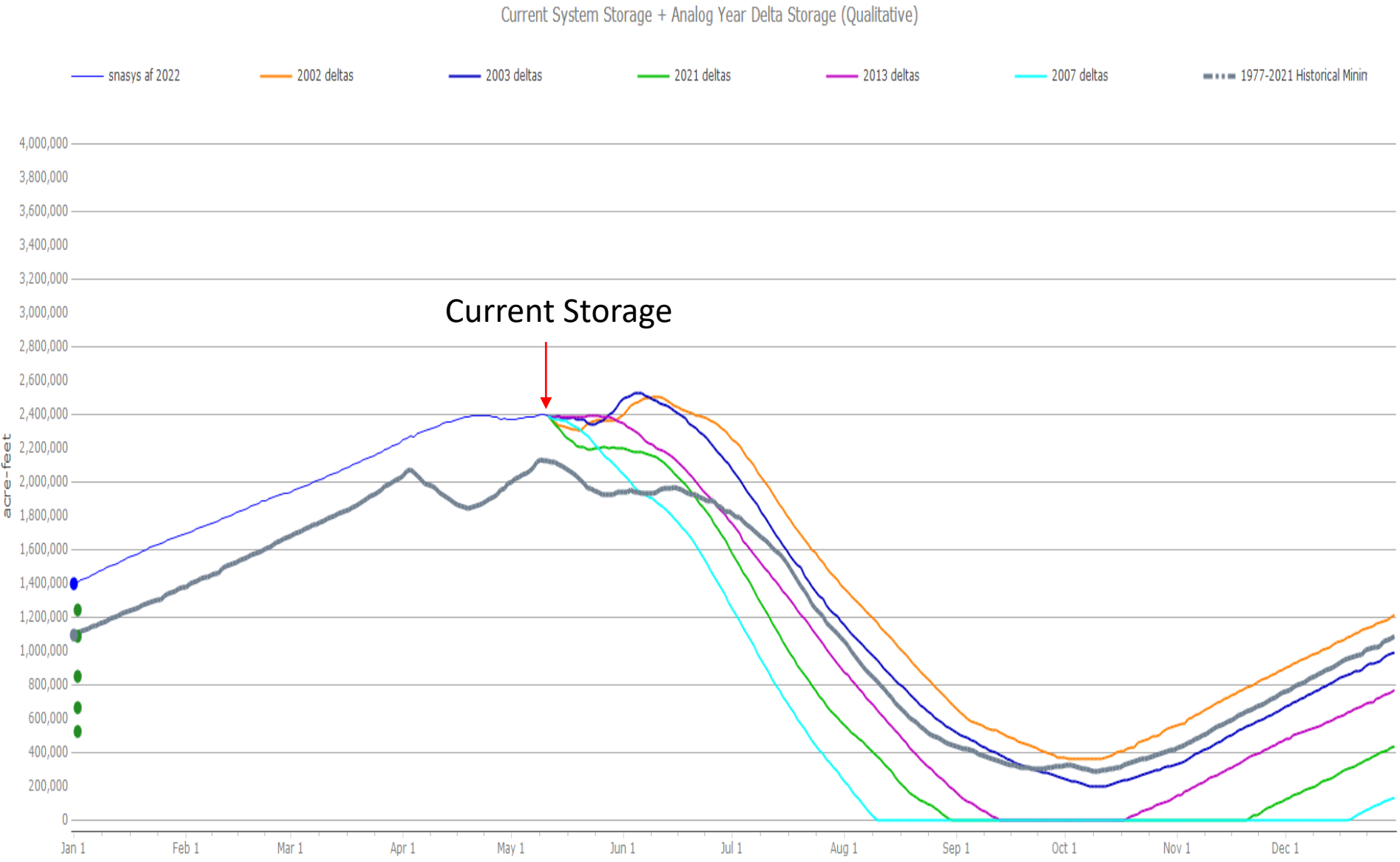


May-September Total Natural Flow above Milner

Non Exceedance Probability	Forecast	%AVG	%Med
5%	3,088,100	54%	55%
30%	4,073,800	71%	73%
50%	**4,519,300**	**78%**	**81%**
70%	4,962,900	86%	89%
95%	5,923,800	103%	106%

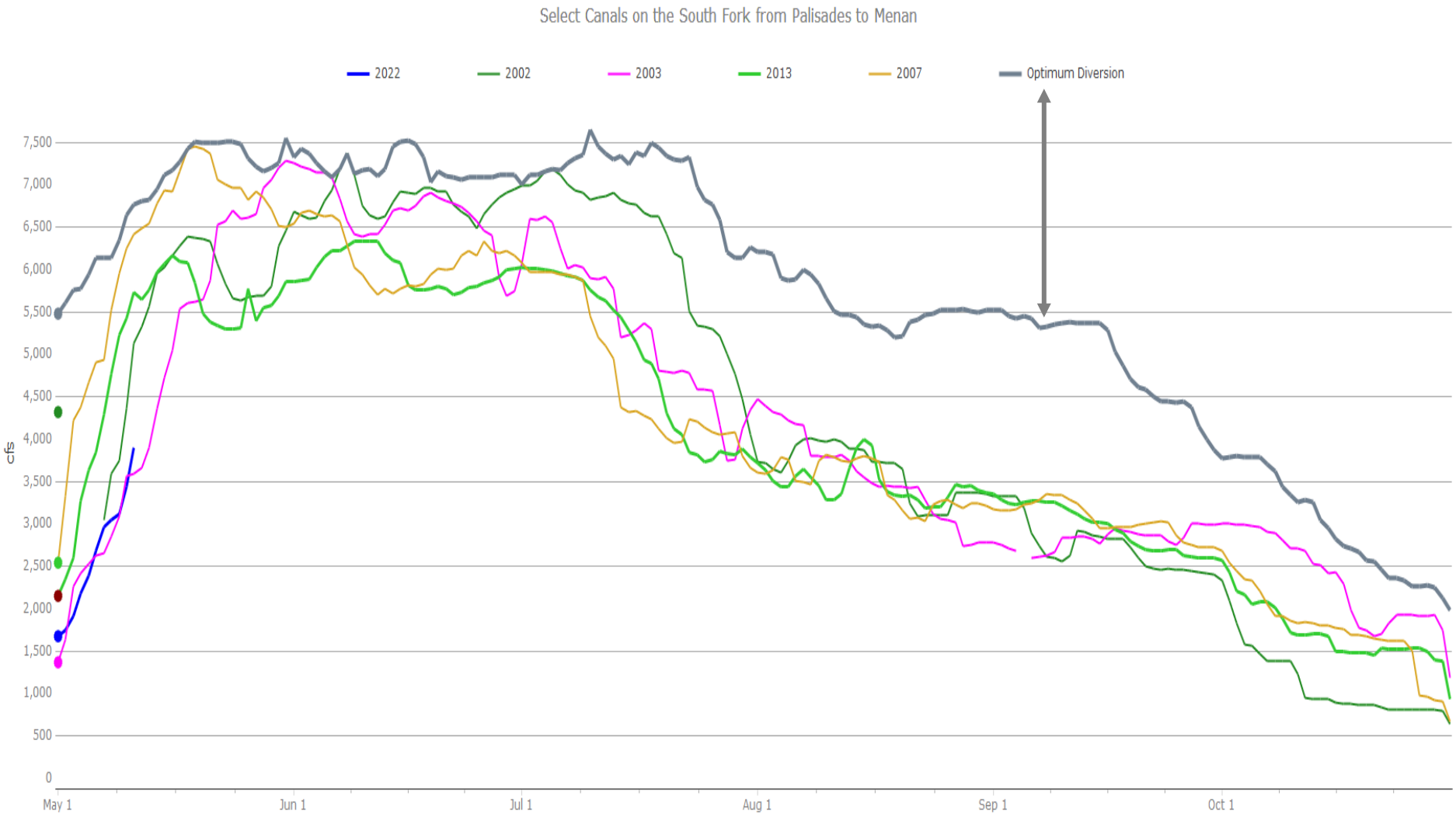
May 1 Storage = 2,454,498 acre-feet + Median Exceedance Forecast: 6,973,798 acre-feet

May-September depletion above Milner in 2020 was approximately 7,350,000 acre-feet

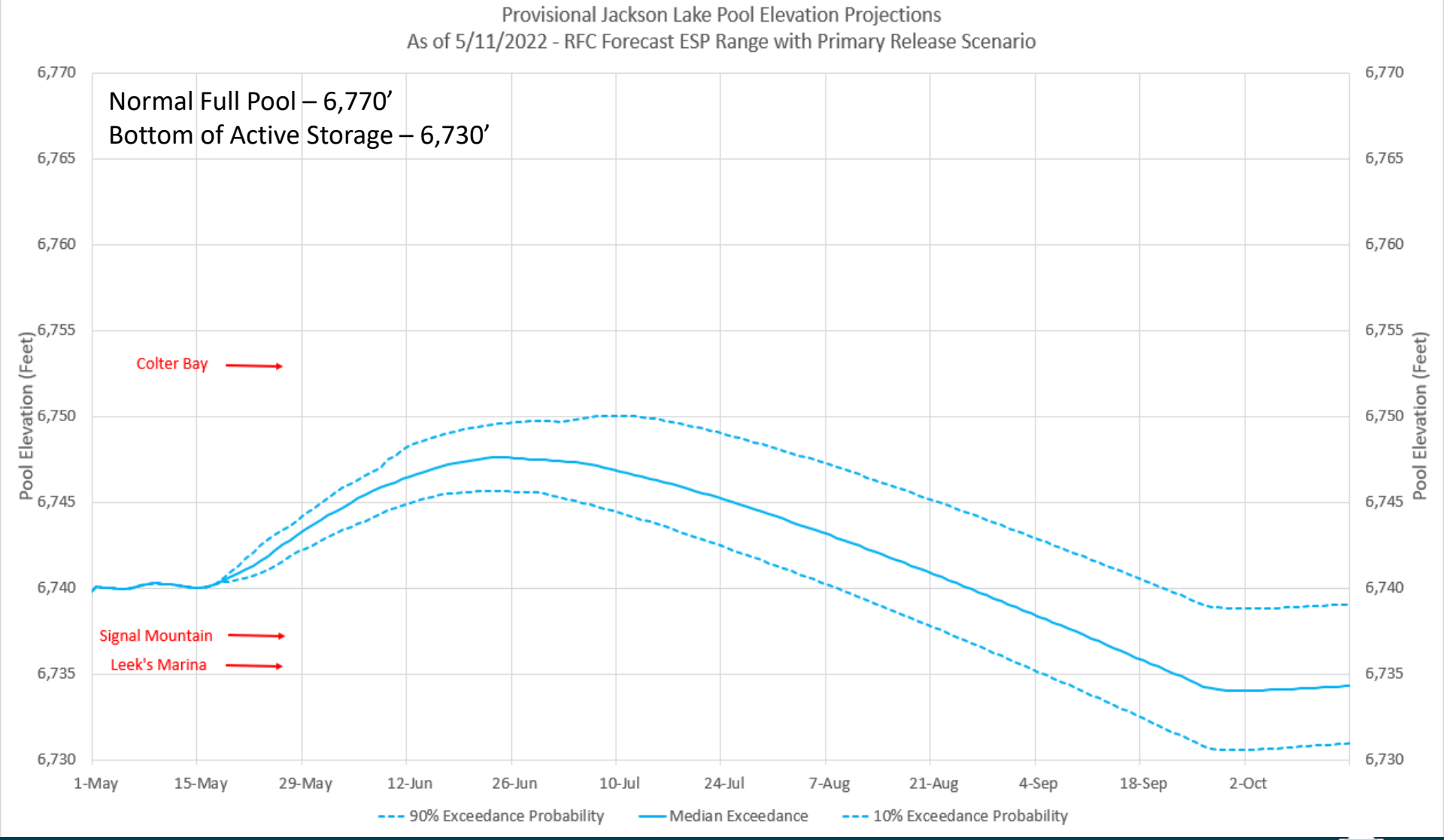


Takeaway is that diversions are being rationed by upwards of 20%
Carry-over is a strategical tool to mitigate against drought next year
Reclamation is committed to full delivery of contractual storage

Example of Rationed Canal Diversions



Operational Outlook



Releases - 1,750-2,500 cfs, projecting low reservoir through summer and fall (2-10% full for annual minimum)

For More Information

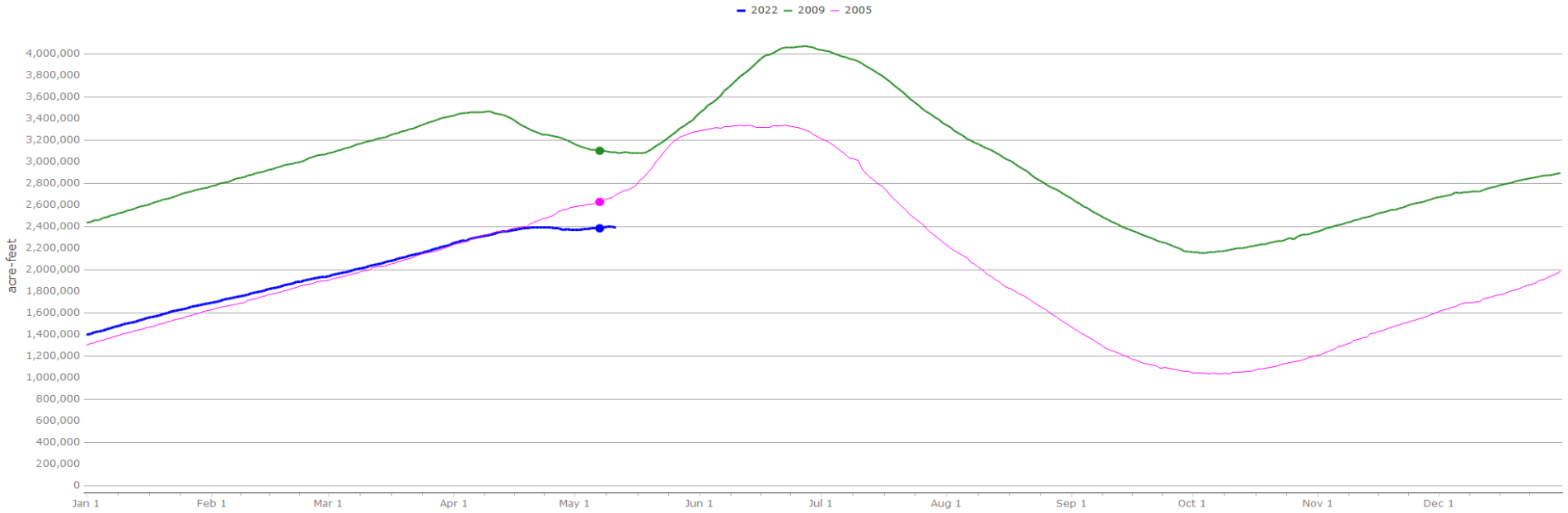
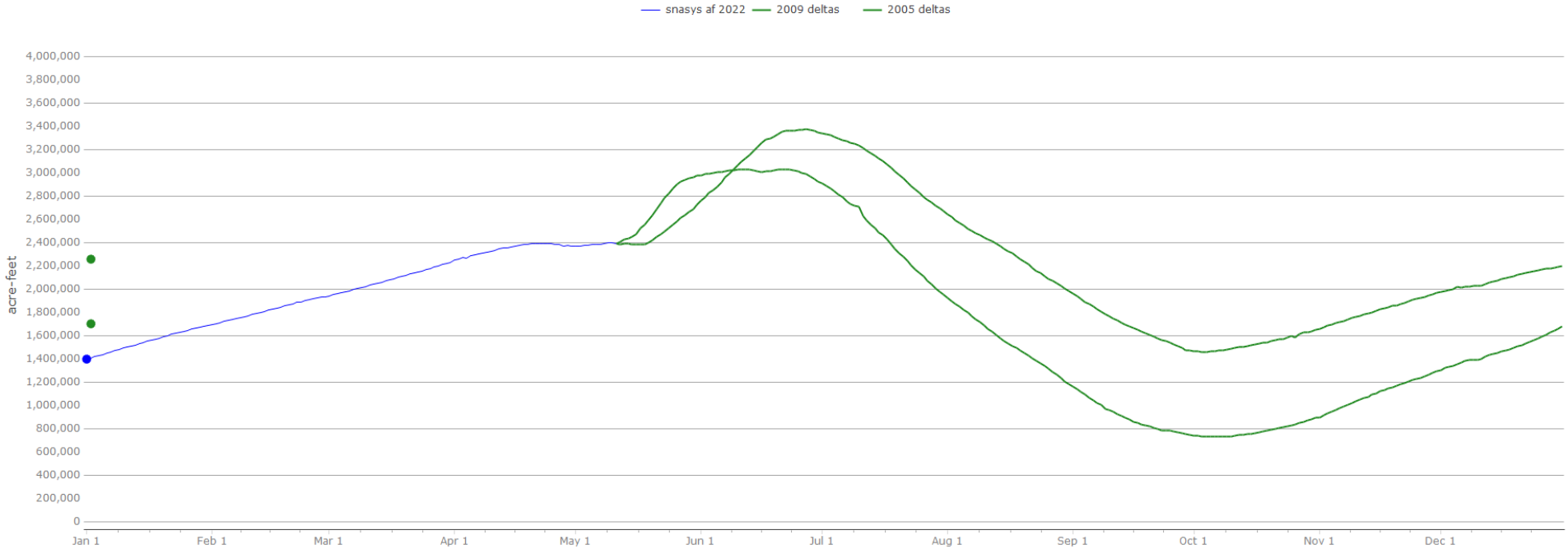
Snake River Area Office

- Lanie Paquin - Area Manager
  208-383-2246
  mpaquin@usbr.gov

Upper Snake Field Office

- Mike Hilliard – Field Office Manager
  208-678-0461 (x34)
  mhilliard@usbr.gov
- Tyler Cox – Resources Manager (x15)
  tcox@usbr.gov
- Brian Stevens – Water Operations Group Manager (x24)
  bstevens@usbr.gov
- Jeremy Dalling - Reservoir Operations Lead (x25)
  jdalling@usbr.gov
- Darrin Fredrickson - Staff Assistant (x17)
  dfredrickson@usbr.gov

Snake River Operations Web Sites

- Upper Snake water information site - http://www.usbr.gov/pn/hydromet/uppersnake/index.html
- USBR HydroMet - http://www.usbr.gov/pn/hydromet/
- Northwest River Forecast Center - http://www.nwrfc.noaa.gov/rfc/
- NRCS SNOTEL Data - http://www.id.nrcs.usda.gov/snow/

For David Hoekema (2005 & 2009)