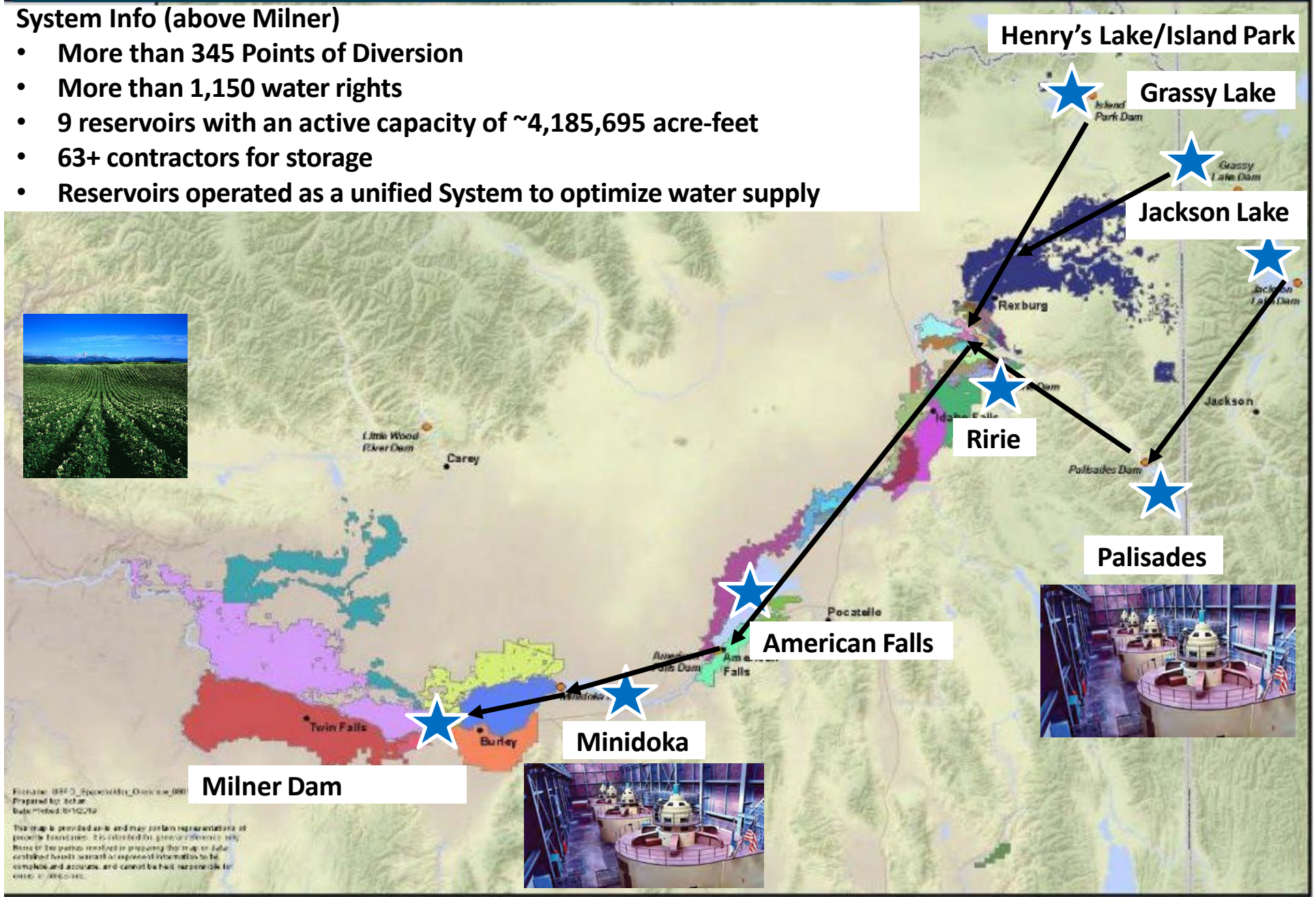
BUREAU OF RECLAMATION

Jeremy Dalling
Upper Snake Field Office Water Operations

System Info (above Milner)

- More than 345 Points of Diversion
- More than 1,150 water rights
- 9 reservoirs with an active capacity of ~4,185,695 acre-feet
- 63+ contractors for storage
- Reservoirs operated as a unified System to optimize water supply



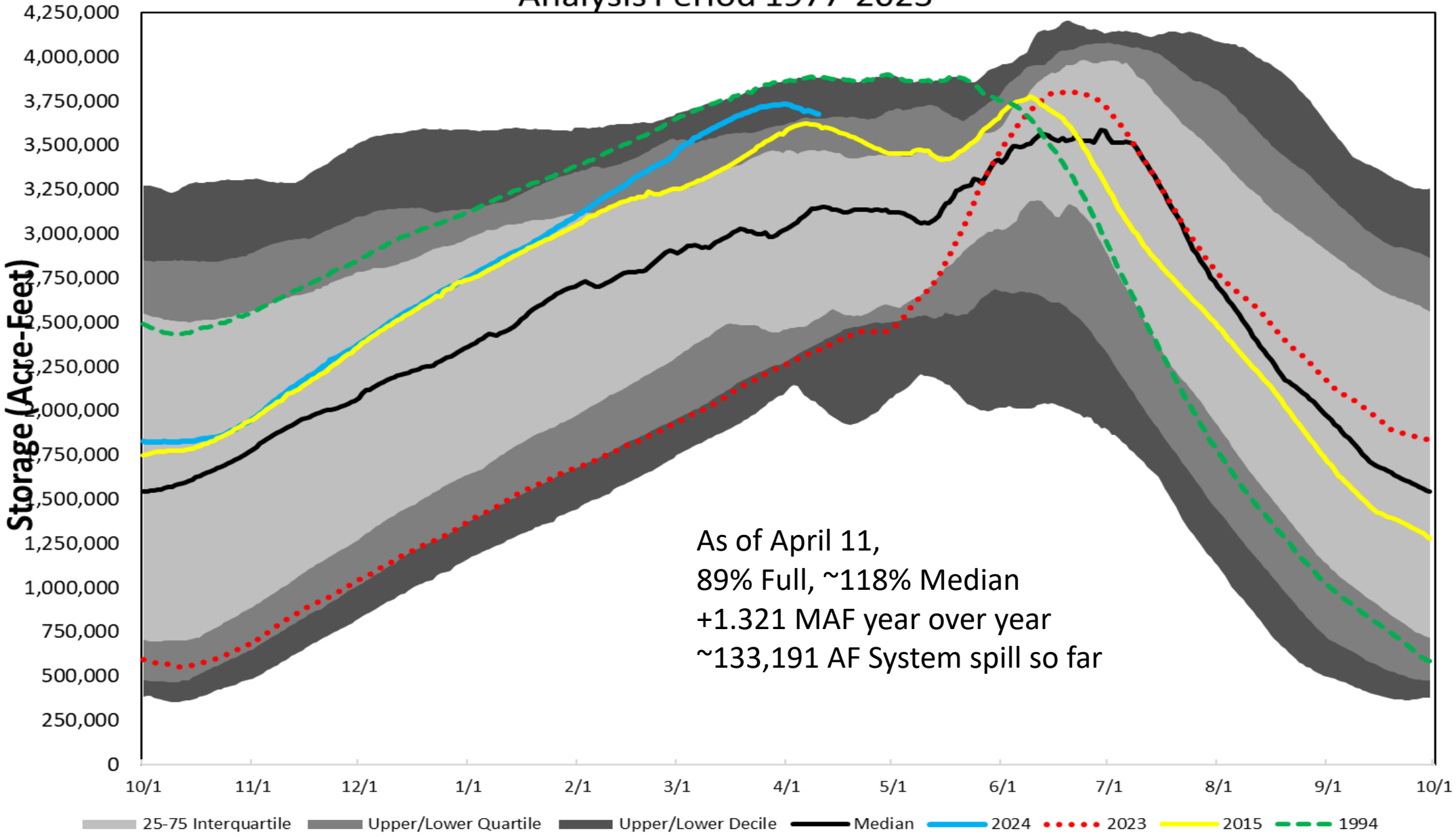
USFO Storage Summary

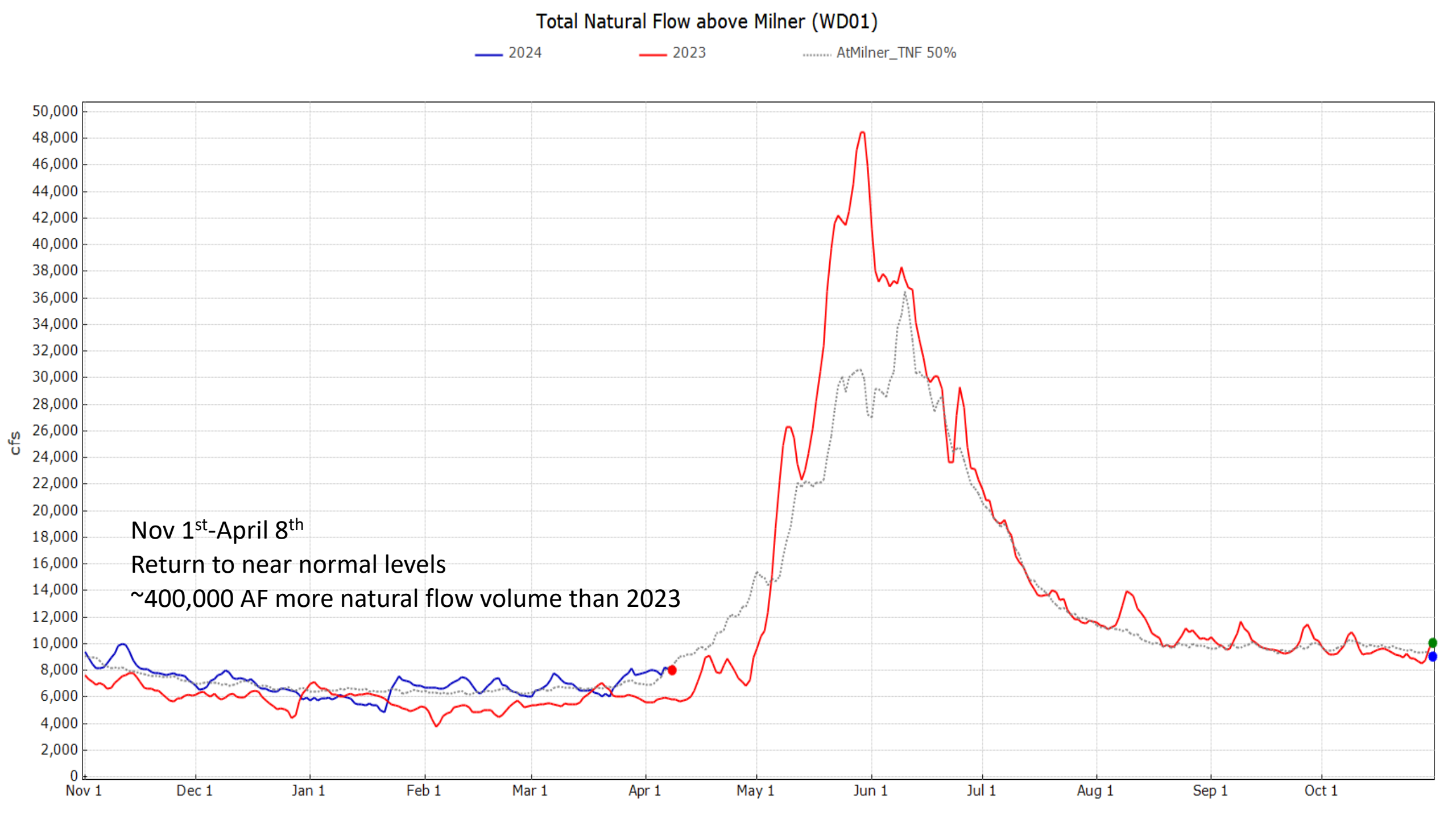
Snake above King Hill Storage (Apr 11)

BASIN	CURRENT STORAGE (Acre-Feet)	Storage Capacity (Acre-Feet)	%Full	365-Delta (Acre-Feet)
Little Wood	***24,272***	30,000	81%	*19,253*
Upper Snake Reservoir System	***3,668,718***	4,135,695	89%	*1,321,265*
Above Heise (Jck & Pal)	***1,640,404***	2,047,000	80%	*994,467*
Jackson Lake (Jck)	***634,455***	847,000	75%	*430,123*
Palisades (Pal)	***1,005,949***	1,200,000	84%	*564,344*
Henrys Fork (Hen, Isl, Grs)	***223,577***	240,385	93%	*7,999*
Island Park (Isl)	***123,839***	135,205	92%	*4,763*
Ririe Reservoir (Rir)	***60,938***	80,540	76%	*11,661*
Lower System (American Falls and Lake Walcott)	***1,743,799***	1,767,770	99%	*307,138*

Upper Snake Reservoir System Total Storage (Acre-Feet)

Analysis Period 1977-2023




Total Natural Flow above Milner (WD01)
2024
2023
AtMilner_TNF 50%
cfs
50,000
48,000
46,000
44,000
42,000
40,000
38,000
36,000
34,000
32,000
30,000
28,000
26,000
24,000
22,000
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1
Nov 1st-April 8th
Return to near normal levels
~400,000 AF more natural flow volume than 2023

CURRENT MONTHLY FORECAST SUMMARY
APR 1, 2024

FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	FORECAST (KAF)	PERCENT NORMAL
*** HEISE	APR-JUL	3304	3370	102%
JACKSON LAKE	APR-JUL	770	734	95%
ISLAND PARK	APR-JUL	200	190	95%
TETON	APR-JUL	347	344	99%
*** RIRIE	APR-JUN	55	79	145%
*** LITTLE WOOD	APR-JUL	72	72	100%

* Coordinated with USACE

FRM points - delta from March residuals
Heise: **+253,000** AF (3,117 KAF to 3,370 KAF)
Ririe: **+10,500** AF (68.5 KAF to 79 KAF
Little Wood: **+350** AF (71.65 KAF to 72 KAF)

Provisional

Snake above Milner Flow Aug Contributions

Carryover: 1,991 KAF, April-September Forecast: 3,928 KAF
Rentals: 150 KAF
Uncontracted: ~20 KAF
Totals: ~170 KAF of storage to be delivered below Milner

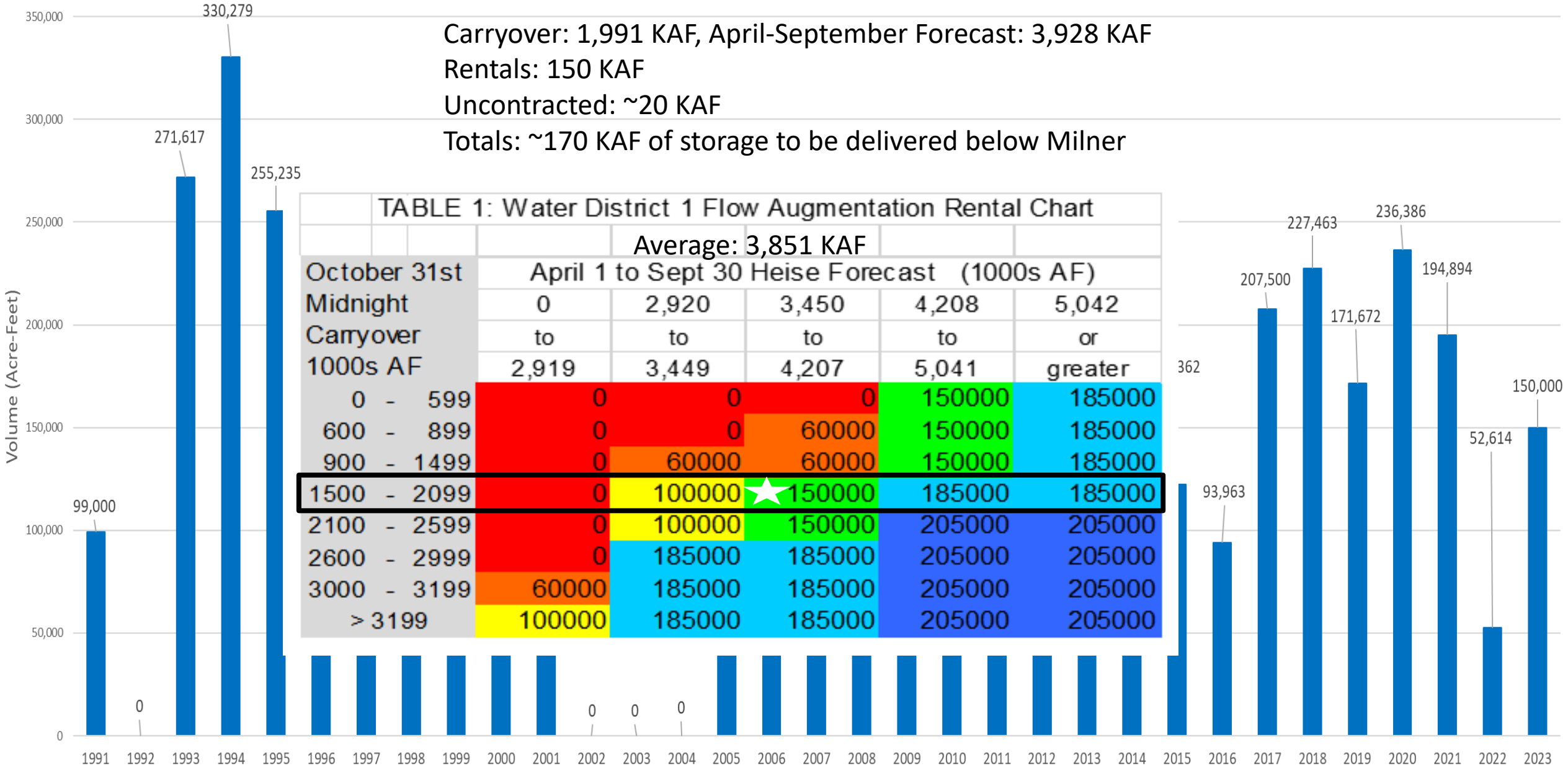
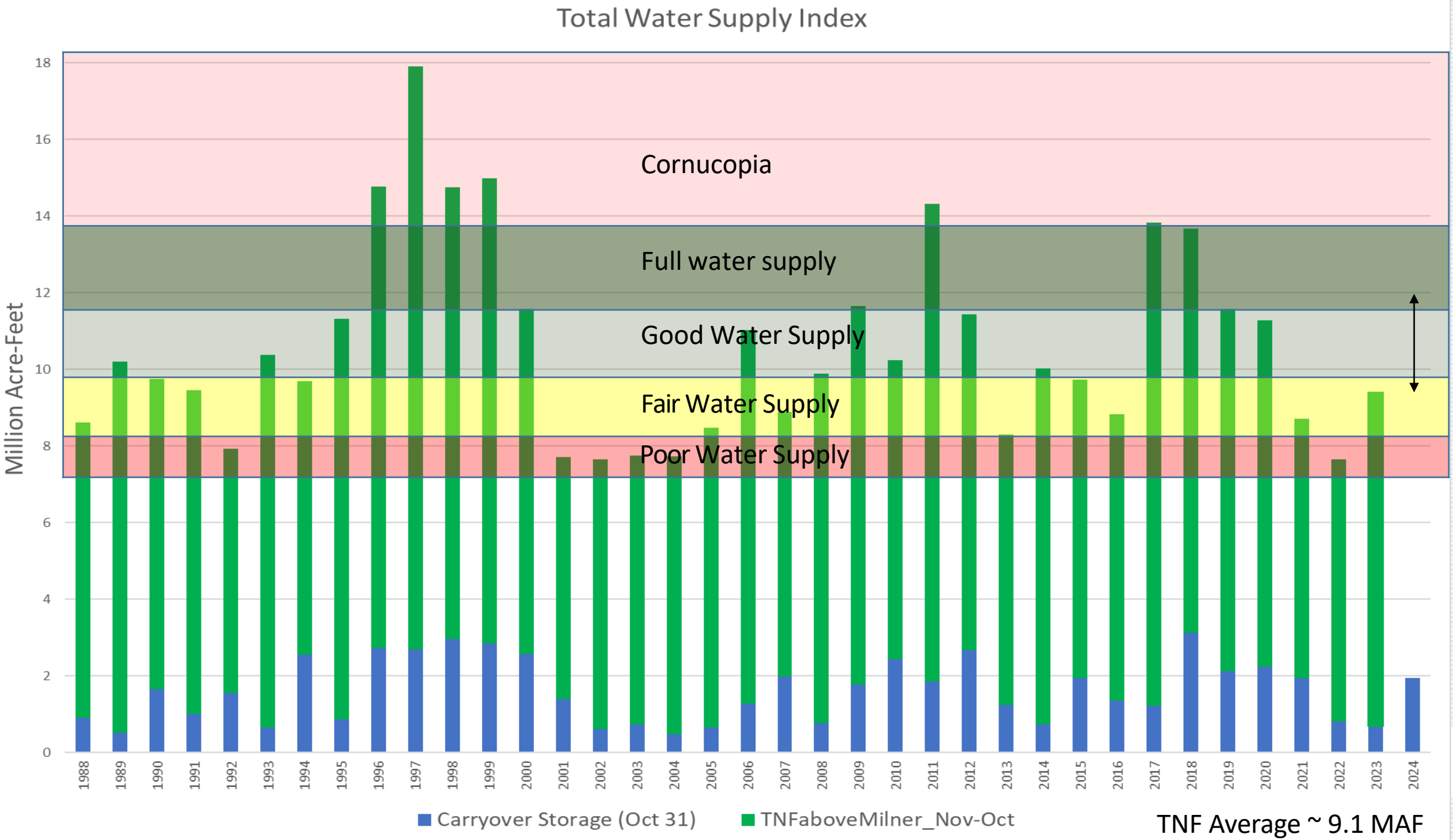


TABLE 1: Water District 1 Flow Augmentation Rental Chart

Average: 3,851 KAF

October 31st Midnight Carryover 1000s AF	April 1 to Sept 30 Heise Forecast (1000s AF)				
	0 to 2,919	2,920 to 3,449	3,450 to 4,207	4,208 to 5,041	5,042 or greater
0 - 599	0	0	0	150000	185000
600 - 899	0	0	60000	150000	185000
900 - 1499	0	60000	60000	150000	185000
1500 - 2099	0	100000	★ 150000	185000	185000
2100 - 2599	0	100000	150000	205000	205000
2600 - 2999	0	185000	185000	205000	205000
3000 - 3199	60000	185000	185000	205000	205000
> 3199	100000	185000	185000	205000	205000



TNF Average ~ 9.1 MAF

Summary

- Healthy natural flow enhanced fill during storage season
- Storage in the System is ~118% of median, 1.321 MAF greater than 2023
- Runoff forecasts that inform FRM and water supply outlooks are near average
- FRM occurring at Little Wood and above Heise
  - Little Wood's current release ~250 cfs, channel capacity releases 800-1,200 cfs (reach gains dependent)
  - Palisades' current release ~10,500 cfs, channel capacity releases 20,000-24,000 cfs (reach gains dependent)
  - Currently ~420 KAF of space available above Heise (JCK & PAL), forecast to increase to ~600 KAF by early May
  - Palisades drafting by 10-12,000 AF per day towards 75% of FRM - Jackson filling slowly towards 25% of FRM space
- Lower system 99% full
- System spill expected to continue, currently ~5,000 cfs below Milner Dam

For More Information

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