BUREAU OF RECLAMATION

Jeremy Dalling
Upper Snake Field Office Water Operations

Upper Snake Field Office
Irrigation Organizations

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

Upper Snake Reservoir System Total Storage (Acre-Feet)

Analysis Period 1977-2023

Storage Summary

Snake above King Hill Storage (Mar 11)

BASIN	CURRENT STORAGE (Acre-Feet)	Storage Capacity (Acre-Feet)	%Full	365-Delta (Acre-Feet)
Little Wood	***25,106***	30,000	84%	*8,049*
Upper Snake Reservoir System	***3,596,127***	4,135,695	87%	*1,560,839*
Above Heise (Jck & Pal)	***1,713,972***	2,047,000	84%	*1,139,699*
Jackson Lake (Jck)	***622,201***	847,000	73%	*431,169*
Palisades (Pal)	***1,091,771***	1,200,000	91%	*708,530*
Henrys Fork (Hen, Isl, Grs)	***220,815***	240,385	92%	*13,239*
Island Park (Isl)	***123,225***	135,205	91%	*9,910*
Ririe Reservoir (Rir)	***52,692***	80,540	65%	*5,290*
Lower System (American Falls and Lake Walcott)	***1,608,648***	1,767,770	91%	*402,611*

CURRENT MONTHLY FORECAST SUMMARY
MAR 1, 2024

FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	FORECAST (KAF)	PERCENT NORMAL
*** HEISE	MAR-JUL	3517	3300	94%
JACKSON LAKE	MAR-JUL	804	725	90%
ISLAND PARK	MAR-JUL	230	203	88%
TETON	MAR-JUL	379	372	98%
*** RIRIE	MAR-JUN	60	74	122%
*** LITTLE WOOD	MAR-JUL	82	81	99%

* Coordinated with USACE

Feb 1 Residuals
JCK: 573 KAF, HEII: 2,834 KAF, ISLI: 164 KAF, RIR: 54 KAF, WODI: 50 KAF

Provisional

Snake above Milner Flow Aug Contributions

Delivered to 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

Total Water Supply Index
Million Acre-Feet
18
16
14
12
10
8
6
4
2
0
Cornucopia
Full water supply
Good Water Supply
Fair Water Supply
Poor Water Supply
107%
68%
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
Carryover Storage (Oct 31)
TNFaboveMilner_Nov-Oct
TNF Average ~ 9.1 MAF

Summary

- 2024 is shaping up to be an active year
- Storage in the System is 122% of median, 1.561 MAF greater than 2023
- Healthy natural flow is enhancing fill
- If current trends continue, spring will be a balancing act of near full reservoirs and the timing of irrigation FRM at various facilities
- Expecting formal FRM at Little Wood and above Heise (JCK & PAL)
- Little Wood slightly above space requirements (achieved ~March 18-20)
- Releases were elevated in the lower system this week, which is an indicator of projected unstorable water in the lower system
- Physical Milner Spill is expected by end of March

For More Information

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