Snake above King Hill Storage (May 9)

Snake above King Hill Storage (May 9)

BASIN	CURRENT STORAGE (Acre-Feet)	Storage Capacity (Acre-Feet)	%FULL	%AVG	365-DELTA (Acre-Feet)
Little Wood	***20,823***	30,000	69%	82%	-6,891
Upper Snake Reservoir System	***2,646,134***	4,135,695	64%	86%	159,485
Above Heise (Jck & Pal)	***892,645***	2,047,000	44%	75%	175,832
Jackson Lake (Jck)	***262,874***	847,000	31%	42%	75,208
Palisades (Pal)	***629,771***	1,200,000	52%	112%	100,624
Henrys Fork Reservoirs (Hen, Isl, Grs)	***218,851***	240,385	91%	97%	-9,199
Island Park (Isl)	***118,398***	135,205	88%	93%	-11,827
Ririe Reservoir (Rir)	***57,349***	80,540	71%	87%	-3,332
Lower System (American Falls and Lake Walcott)	***1,477,289***	1,767,770	84%	92%	-3,816

Upper Snake Reservoir System Total Storage (Acre-Feet)

Analysis Period 1977-2022

CURRENT MONTHLY FORECAST SUMMARY
APR 1, 2023

FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	FORECAST (KAF)	PERCENT NORMAL
*** HEISE	APR-JUL	3304	3700	112%
JACKSON LAKE	APR-JUL	770	816	106%
ISLAND PARK	APR-JUL	200	228	114%
TETON	APR-JUL	347	378	109%
*** RIRIE	APR-JUN	55	105	192%
*** LITTLE WOOD	APR-JUL	72	130	181%

* Coordinated with USACE

CURRENT MONTHLY FORECAST SUMMARY
MAY 1, 2023

FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	FORECAST (KAF)	PERCENT NORMAL
*** HEISE	MAY-JUL	2898	3200	110%
JACKSON LAKE	MAY-JUL	701	734	105%
ISLAND PARK	MAY-JUL	158	180	114%
TETON	MAY-JUL	303	345	114%
*** RIRIE	MAY-JUN	35	100	289%
*** LITTLE WOOD	MAY-JUL	52	95	184%

* Coordinated with USACE

Upper Snake Flow Augmentation
Outlook for Rentals from WD 1 Water Users

2023 Carryover

728 KAF

(includes 20 KAF rented to supplemental pool In WY 2020)

TABLE 1: Water District 1 Flow Augmentation Rental Chart					
October 31st	April 1 to Sept 30 Heise Forecast (1000s AF)				
Midnight Carryover 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

11/01/22 Carryover (kaf)	728	include 20kaf suppl. Pool
Flow Aug Rental		
60 kaf	90%	Apr-Sept
150 Kaf	109%	Apr-Sept
185 Kaf	131%	Apr-Sept

Storage above Heise in Jackson Lake and Palisades (1958-2022)
2023
2022
2021
1958-2022 Max
1958-2022 Median
1958-2022 Minimum
Target
acre-feet
2,000,000
1,900,000
1,800,000
1,700,000
1,600,000
1,500,000
1,400,000
1,300,000
1,200,000
1,100,000
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1
Nov 1
Dec 1
As of May 9:
- Unregulated flow above Paliasades ~13,000 cfs, increasing
- Jackson releasing 280 cfs, Palisades at 7,500 cfs

American Falls and Lake Walcott Storage - Lower System (1958-2022)
2023
2022
2021
1958-2022 Max
1958-2022 Median
1958-2022 Minimum
acre-feet
1,800,000
1,700,000
1,600,000
1,500,000
1,400,000
1,300,000
1,200,000
1,100,000
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1
Nov 1
Dec 1
As of May 9:
- Inflow into American Falls ~9,500 cfs, increasing
- Space available ~ 285,000 AF
- American Falls releasing approximately ~7,200 cfs

Release Targets/Outlook*

- Jackson: ~280 cfs, steady and below FRM req
- Palisades: ~7,500 cfs, increasing for FRM req
- Henry's Lake: 0 cfs, steady to increasing for refill
- Island Park: ~850 cfs, steady to increasing for refill
- Ririe: ~800 cfs, steady to increasing for refill
- American Falls: ~7,200 cfs, increasing for deliveries
- Minidoka: ~5,600 cfs, increasing for deliveries
- Operational Spill: 0 cfs below Milner
- Storage Delivery: 0 cfs below Milner
- Total Natural Flow above Milner: ~22,000 cfs
- Total Diversions: ~11,000 cfs
- Little Wood: 850 cfs, steady for refill

For Information Regarding Jackson Lake Operations

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