NWW USACE Water Management Outlook

12 April 2024

Grant Bell, EIT

Middle Snake Regulator

Water Management Team

Mores Creek above Lucky Peak Reservoir
February 2024

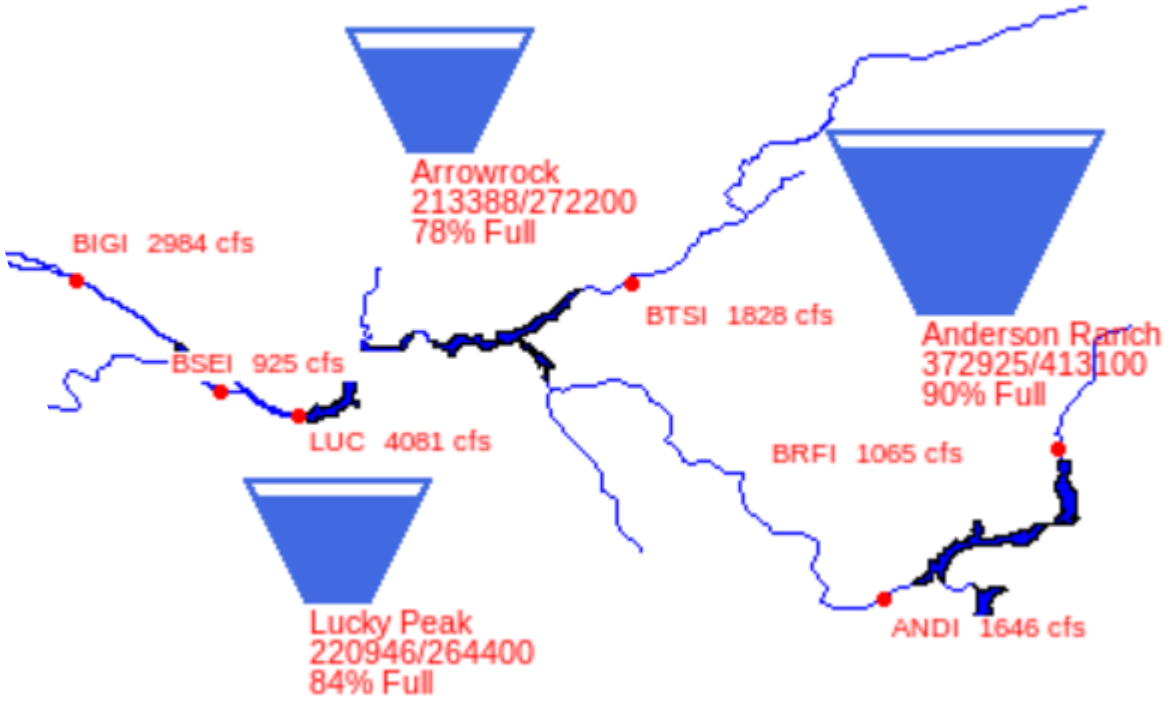
U.S. ARMY

US Army Corps of Engineers®

BOISE SYSTEM CONDITIONS

DATE	COORDINATED DATE – JUL RUNOFF VOLUME FORECAST
JANUARY 1	1,150 KAF / 73% Avg
FEBRUARY 1	1,200 KAF / 80% Avg
MARCH 1	1,300 KAF / 92% Avg
APRIL 1	1,100 KAF / 89% Avg

- Slightly below-average snow and runoff volume forecasts
- Reservoir system is 85% full
- Transitioning from snow accumulation to snowmelt above the reservoirs



Boise System Flows and Storage
USBR Hydromet 12 April 2024

BOISE SYSTEM OPERATIONS

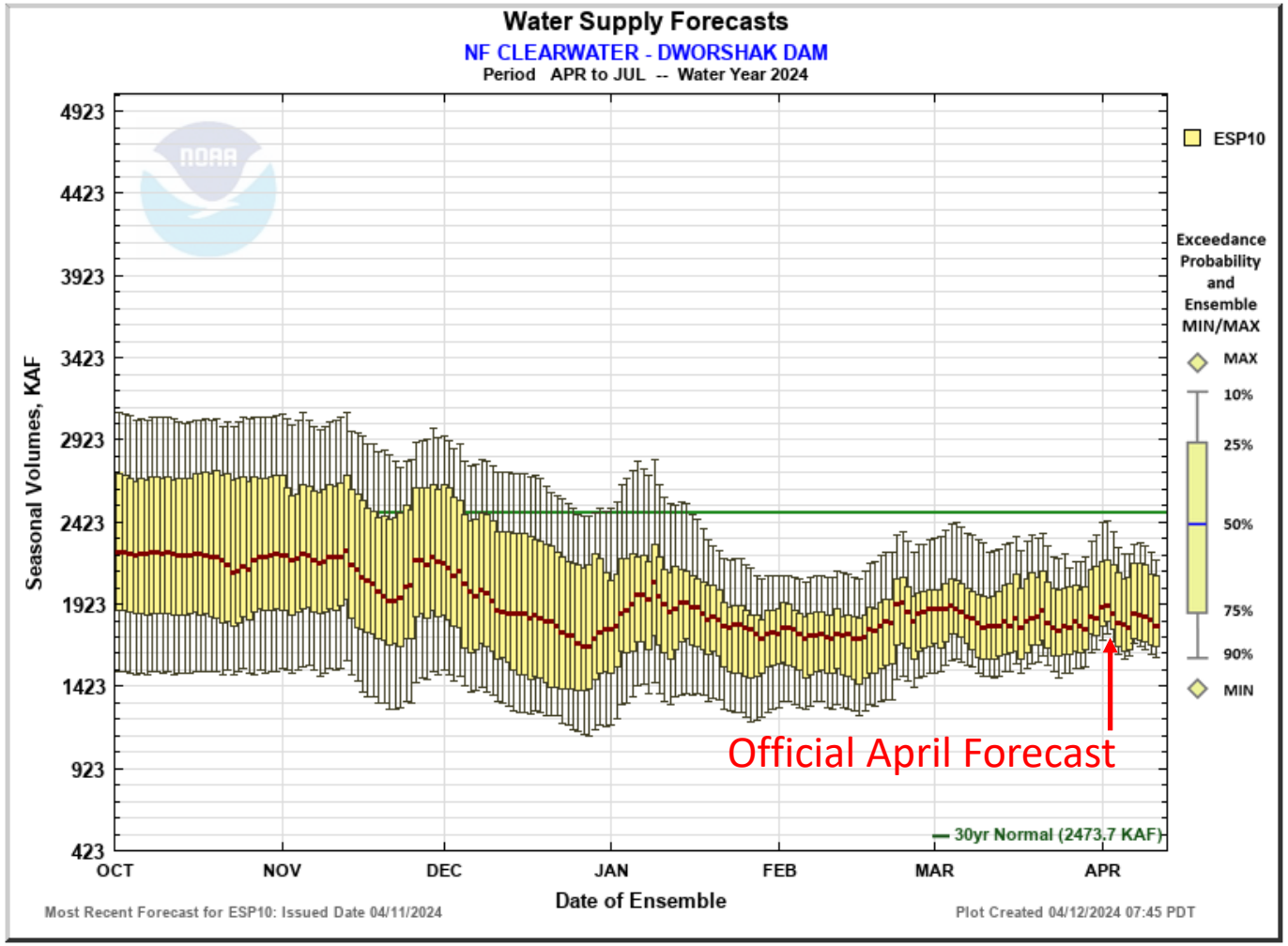
- Flood Risk Management releases started 25 March
- Currently maintaining 3,000cfs at Glenwood Bridge, and planning to increase flows to 4,000cfs next week
  - Email update will be distributed later today with more information
- Lucky Peak filling to 3045ft, about 10 feet from full

SCENARIO	FLOOD RISK MANAGEMENT FLOWS AT GLENWOOD BRIDGE
DRY	Average 2,000 to 3,000cfs through June
MEDIAN	4,000cfs during peak runoff, 2,000cfs to 3,000cfs otherwise
MEDIAN WITH HIGH RUNOFF EVENT (>15,000CFS)	Assess increasing flows to between 4,000cfs and 6,500cfs
WET	Increase flows up to 6,500cfs

DWORSHAK DAM

- 95% probability of refill by end of June assuming minimum flow
- Snow flight completed with NRCS this week
- Reservoir elevation: 1555.7ft
  - 30 April Requirement: 1580.6ft
- No FRM releases expected over the coming weeks

DATE	OFFICIAL APR – JUL RUNOFF VOLUME FORECAST
JANUARY 4	1,881 KAF / 76% Avg
FEBRUARY 5	1,740 KAF / 70% Avg
MARCH 5	1,894 KAF / 77% Avg
APRIL 3	1865 KAF / 75% Avg



TAKEAWAYS

- Lucky Peak/Boise River flows will continue to fluctuate over the coming weeks

- Dworshak Dam is expected to remain on minimum discharge for most of the season, but is still expected to fill

- Many reservoirs through Idaho are actively managing refill

- Risk of flooding in unregulated basins with high snowpack

QUESTIONS & DISCUSSION

Middle Snake Regulator
Grant Bell, EIT
grant.s.bell@usace.army.mil
(509) 527-7619

Water Management Team Lead
Jon Roberts, P.E., PMP
jonathan.m.roberts@usace.army.mil
(509) 527-7518

24-hour line: (509) 527-7283
reservior.regulation@usace.army.mil
https://www.nww.usace.army.mil/Missions/Water-Management/