Water District 1 Report – May 14th, 2024

Milner Spill has reached a point where it is day to day and may cease at the end of this week or sometime next week. Recharge water rights and temporary water use permits will be out of priority when Milner Spill ceases. To avoid storage use charges and/or excess use charges, canals currently diverting water for recharge must turn off recharge diversion by the day Milner Spill ceases for the canal's particular reach. Milner Spill is projected to cease on the following date for the following reaches:

Fall River	5/11
Teton River	5/11
Henrys Fork	5/11
Snake River above Shelley	5/12
Willow Creek	5/12
Snake River Shelley to Blackfoot	5/13
Snake River Below Blackfoot to Minidoka	5/15
Snake River Minidoka to Milner	5/16

The reservoir system is currently at 87% of capacity and has approximately 542,832 AF of space to refill. The Bureau of Reclamation will begin to utilize their Refill 2 water right to refill the empty space in Jackson and Palisades once Milner Spill ceases. How close the Bureau gets to completely refilling the empty space in Jackson and Palisades will be a function of diversion demand and available natural flow. Currently, there's approximately 22,000 cfs of natural available and 19,000 cfs of diversion demand. Weather will play a key role in both natural flow availability and diversion demand, as will the quantity and pace of snow melt. Probabilities favor that the day of allocation for storage accounts will occur sometime in June.

With the condition being met for Rental Pool Procedure 5.3.107 *Storage System Fill*, the price for common pool rentals is $9.00 per acre-foot for the 2024 irrigation season. The $9.00 per acre-foot price includes all fees and surcharges. Participating spaceholders will receive $7.00 per acre-foot when proceeds are distributed in 2025.

Water District 1 is looking to hire a new engineer to join our team. Please see the job announcement attached to the end of the report for more information.

Calendar

May 17th – Reservoir & River Ops Subcommittee at 9 AM at IDWR's Eastern Regional Office.
https://us06web.zoom.us/j/81499491866?pwd=I5gPI54NKCjtd4jKaXLtCpM1YrQNdR.1

Meeting ID: 814 9949 1866
Passcode: 085093

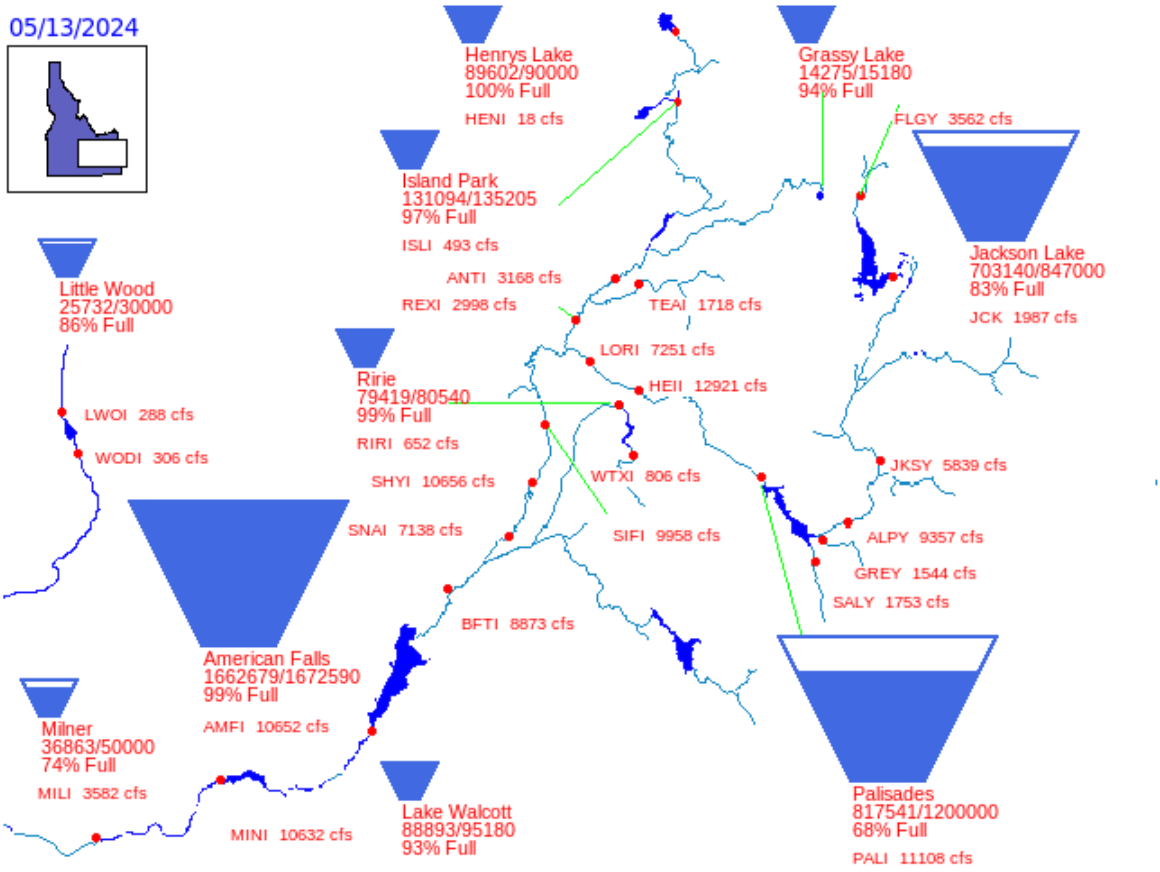
Dial by your location
• +1 253 215 8782 US

May 17th – Jackson Water Group Subcommittee at IDWR's Eastern Regional Office
Immediately following the Reservoir & River Ops Subcommittee meeting. Same zoom link.

May 23rd and 24th – Bureau of Reclamation Windshield Snow Survey
Please contact Darrin Fredrickson at 931-237-1866 for more information

May 30th – Nez Perce Subcommittee Meeting at 10 AM at IDWR's Eastern Regional Office.

Bureau of Reclamation, Pacific Northwest Region
Major Storage Reservoirs in the Upper Snake River Basin



PROVISIONAL DATA - Subject to change

Average daily streamflows indicated in cubic feet per second.
Reservoir levels current as of midnight on date indicated.
Click on gaging stations (red dots) for streamflow hydrographs.

Upper Snake River system is at 86 % of capacity.

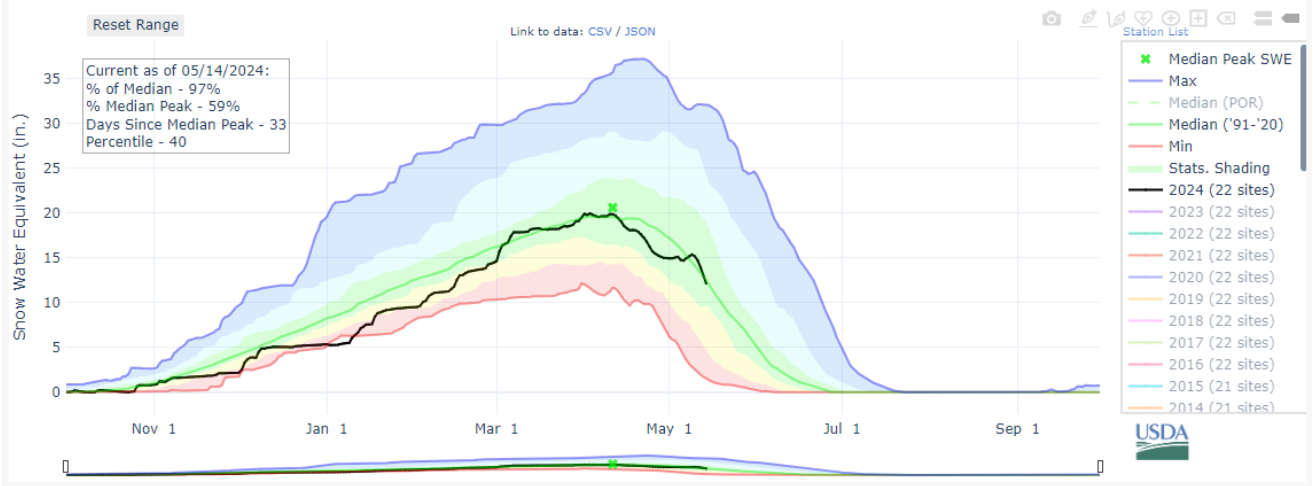
(Jackson Lake,Palisades, Grassy Lake,Island Park,Ririe,American Falls,LakeWalcott)

Total space available:	548654 AF
Total storage capacity:	4045695 AF

AWS Plot | SNOW WATER EQUIVALENT IN SNAKE RIVER ABOVE HEISE

NWCC Home | Site Plots | Basin Plots | Interactive Map | Report Generator | Update Reports | Forecast Plots | Webservices | Cont

Add Title | Active Only | Greyscale Stats. | Clear Controls | Clear Annotation | Fullscreen



AWS Plot | SNOW WATER EQUIVALENT IN HENRYS FORK-TETON

NWCC Home | Site Plots | Basin Plots | Interactive Map | Report Generator | Update Reports | Forecast Plots | Webservices | Cont

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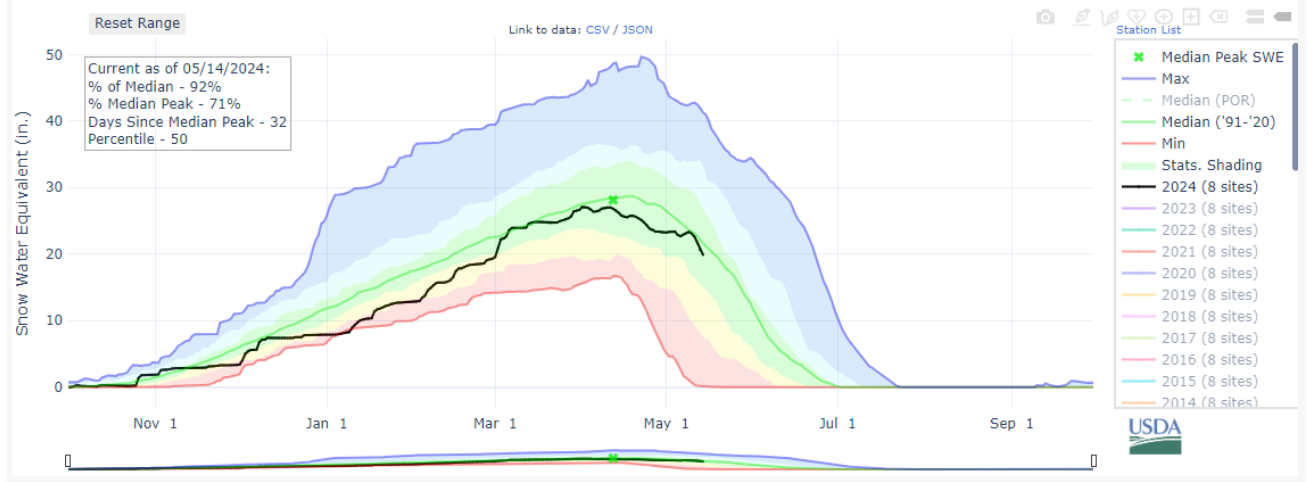
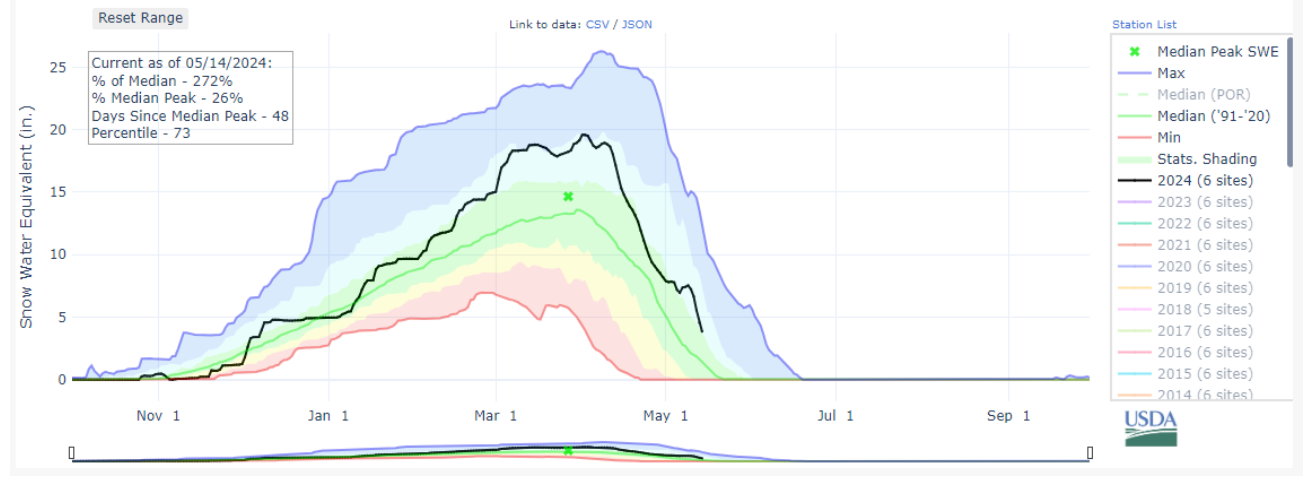


AWS Plot | SNOW WATER EQUIVALENT IN WILLOW-BLACKFOOT-PORTNEUF

NWCC Home | Site Plots | Basin Plots | Interactive Map | Report Generator | Update Reports | Forecast Plots | Webservices | Cont

Add Title | Active Only | Greyscale Stats. | Clear Controls | Clear Annotation | Fullscreen



IDAHO DEPARTMENT OF
WATER RESOURCES

State of Idaho Opportunity

Location: Idaho Falls, Idaho
Salary: $69,800 to $79,200
Closing Date: Open till filled.
Please send resumes to craig.chandler@idwr.idaho.gov

The Idaho Department of Water Resources (IDWR) is offering an exciting opportunity for a motivated individual to engage with Idaho's water sector and to develop skills and expertise as a water resource professional. This position is located at the IDWR Eastern Regional Office in Idaho Falls. It is open to engineering interns who are working towards professional licensure.

This position supports the technical needs of Water District #1 (WD1) for surface water administration in Eastern Idaho. WD1's administrative area encompasses the Snake River upstream from Milner Dam and includes major reservoirs such as American Falls, Palisades, Jackson, Island Park, Walcott, Henrys, and Ririe. The responsibilities of this position include collecting and documenting hydrologic data, measuring open channel and closed conduit flow rates, working with sensors and telemetry equipment, programming data loggers, evaluating and designing water measurement devices and structures, working with software related to hydraulics and water right accounting, and initiating enforcement actions when necessary. More information about the products and services provided by WD1 can be found at www.waterdistrict1.com.

The position provides a unique opportunity to develop your engineering career in natural resources. At IDWR, employees experience autonomy, work-life balance, field work, and a professional office environment. This position will also offer opportunities for professional growth as a water resource specialist, through participation in courses focusing on hydraulics, hydrology, sensors, data loggers, programming, as well as leadership and management training.

This position may be eligible for a relocation reimbursement in accordance with the State Moving Policy and Procedures.

There are two job classification levels for this opening: Engineer, Intern; Engineer, Associate. Through on-the-job training, classroom training, and achievement of team goals and agency goals, there will be opportunities to progress to the next full working-level job class in the Engineering career track including Engineer, Staff; Engineer, Technical 1; and Engineer, Technical 2.

As an Engineer-In-Training (EIT) you will enter at the Engineer Intern or Associate level, depending on your level of experience.

EXAMPLE OF DUTIES

- Apply hydraulic engineering principles to evaluate, measure, and track a variety of open-channel and closed-conduit water systems, such as rivers, streams, canals, and pipelines.
- Apply hydrologic engineering principles to evaluate snowpack, runoff, precipitation, reach gains, and streamflow forecasts and understand their impact on district administration.
- Apply water resource engineering principles to river routing, reservoir operations, flood risk management, hydroelectric power generation, and irrigation demand and understand their impact on district administration.
- Review engineering designs and technical reports for accuracy and feasibility.
- Design measurement structures such as weirs and flumes.
- Collect, process, and compile flow rate and volumetric records for diversions and flow stations.
- Work with computer programs related to hydraulics and water right administration.
- Work with water level sensors, velocity sensors, and program data loggers to track diversion flow rates and volumes.
- Work with radio, cellular, and satellite telemetry systems for real time data transmission.
- Write technical reports and give presentations to the public.
- Interact with water users, consultants, attorneys, and other governmental agencies regarding issues related to water right administration.
- Enforce water rights and curtail diversions as directed by the watermaster.
- May supervise professional and/or technical staff.

ENGINEER INTERN AND ENGINEER ASSOCIATE LEVELS

<u>Minimum Qualifications</u>

Candidates must meet one of the following criteria within 6 months of employment offer:

(One of the top three bulleted criteria below must be completed before the start of employment)

- Certification by the Idaho Board of Professional Engineers as an Engineer-In-Training
- OR Certification as an EIT from another jurisdiction that included graduation from a four-year engineering curriculum accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET)

- OR graduation from a four-year engineering curriculum accredited by the EAC/ABET PLUS verification that the candidate has passed the Fundamentals of Engineering Examination
- Valid driver's license

* The *Engineer Intern* level is met based on the minimum qualifications listed above.

* The *Engineer Associate* level is met based on the minimum qualifications listed above AND at least two years of work experience post-certification.

Desired qualifications and experience

- Proficiency with Microsoft Excel in writing comprehensive formulas, working with large data sets, and working with macros.
- Experience with flow rate measurement of open channel or closed conduit systems.
- Good knowledge of hydraulic engineering principles such as fluid statics, fluid dynamics, hydraulic machines, and pipeline hydraulics.
- Good knowledge of open channel flow concepts such as critical flow, flow controls, and flow measurement with weirs.
- Some knowledge of Idaho water law.
- Conflict resolution skills and experience interacting with angry, upset, or hostile people.

Benefits

The State of Idaho offers a robust total compensation package, including medical, vision, and dental insurance; PERSI retirement benefits; paid sick, vacation, and parental leave; and 11 paid holidays per year. For additional information related to benefits and/or State programs, please visit https://dhr.idaho.gov/StateEmployees/Benefits.html.*

WORKING CONDITIONS

The work occurs in an office and field environment. Field inspections are required and involve walking over rough terrain, exposure to variable weather conditions, and lifting and carrying up to 30 pounds. Out-of-town day trips and occasional overnight trips are required.

To learn more about the Idaho Department of Water Resources, please visit our website: https://idwr.idaho.gov

OUR MISSION

To serve the citizens of Idaho by ensuring that water is conserved and available to sustain Idaho’s economy, ecosystems, and resulting quality of life.

EEO/ADA/Veteran

The State of Idaho is committed to providing equal employment opportunities and prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, political affiliation or belief, sex, national origin, genetics, or any other status protected under applicable federal, state, or local laws.

The State of Idaho is committed to access and reasonable accommodations for individuals with disabilities, auxiliary aids and services are available upon request. If you require an accommodation at any step in our recruitment process, you are encouraged to contact (208) 334-2263 (TTY/TTD: 711), or email ada.coordinator@dhr.idaho.gov.

Preference may be given to veterans who qualify under state and federal laws and regulations.