

Idaho Hydrologic Update for April 2021



understanding of how the valley's surface water and groundwater interact.

In cooperation with the Idaho Department of Water Resources, we completed the last of four seepage studies in the Big Lost River valley. These seepage studies, part of our efforts to [characterize the valley's water resources](#), will improve our



With funding from the Bureau of Reclamation, we installed a large-scale particle-image velocimetry (LSPIV) system at [USGS 13034500](#), Rainey Creek near Swan Valley. LSPIV is an emerging technology that lets us [estimate streamflow using video](#).



Boise -based hydrologist [Konrad Hafen](#) successfully defended his University of Idaho doctoral dissertation, "Dynamic Stream Permanence Estimates at Regional and Local Extents." He recently published a [journal article](#) based on his graduate research.

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New Staff in Boise and Idaho Falls

Hydrologic Technician Donnal Johnson transferred to our Idaho Falls Field Office from the USGS Nevada Water Science Center. Don began his USGS career in Massachusetts. He's also a U.S. Army veteran.



Donnal Johnson



Hanna Scheuffele

Student Contractor Hanna Scheuffele joined our Administrative Services section as she works toward completing a Master of Public Health degree from Boise State University.



John Spruell



Kerri Treinen

Hydrologic Technician John Spruell joined our Idaho Falls Field Office after retiring from the U.S. Army. John will earn his master's degree in geology later this year from Northern Arizona University.

Geochemist Kerri Treinen joins our Idaho National Laboratory Project Office to continue our geochemical studies of water in the eastern Snake River Plain aquifer. Kerri comes to us from Lawrence Livermore National Laboratory and previously served as a hydrogeologist with the Idaho Department of Environmental Quality. She will be based in Boise.

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