



Spring 2023

your new and (first ever) Communications Officer is Yetta Jager.



Lahontan Cutthroat Trout from a snowy Pyramid Lake, Nevada.

Spring has been slow to come to the Mountain West. The cold weather and snow storms have helped develop a robust snowpack in many areas. Rivers are now coming up and reservoirs are filling. Hopefully the long winter we just experienced means good things for water quantity, temperature, and ultimately fish populations. This is my last newsletter as WQS President. I have enjoyed contributing to the Section in this role and want to thank you for your support. This summer Jonathan Leiman will be taking over. Please welcome him! I am planning to be at the annual meeting in Grand Rapids. If you see me, please introduce yourself. I enjoy meeting Section members and am happy to talk about the Section or really anything fishy!

Take care,

- Paul Kusnierz

Election Results

Voting for President-Elect and Communications Officer closed on May 14 and the results are in! Your new President-Elect is Brian Alford and

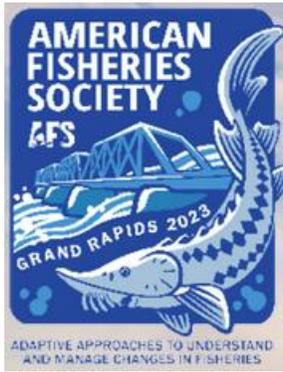


Brian Alford



Yetta Jager

We are excited that Brian will be joining the group of officers and are grateful to Yetta for being willing to hang around as an officer for a bit longer!



2023 Annual AFS Meeting Reminder

The American Fisheries Society Annual Meeting will be held in Grand Rapids, Michigan August 20-24, 2023. There will be a Water Quality Section meeting in Grand Rapids. It will

likely be sometime between 4:00 and 6:00 pm on either Monday or Tuesday. Additional details will be sent out through the listserv and posted to the Section website (<https://waterquality.fisheries.org/annual-business-meeting/>) as plans are finalized. This is a great opportunity to meet other Section members and help guide the direction of the Section. If you can attend, please do. Information about the annual meeting can be found at: <https://afsannualmeeting.fisheries.org/>.

Student Poster Award Committee

The Water Quality Section plans to give a Student Poster Award to the Student with the best water quality-related poster. We are looking for Section members to help review abstracts and then judge posters at the Annual Meeting in Grand Rapids, MI. If you would like to help, please contact Paul Kusnierz at pkusnierz@alumni.nmu.edu.

CANCELLED: Water Quality Section Symposium for the 2023 AFS Meeting

Unfortunately, we did not receive enough abstracts for the Section's planned 2023 symposium and it has been canceled. We will work toward developing a symposium for the 2024 meeting. If you have thoughts about future topics or would like to help plan a symposium, please reach out to Jonathan Leiman (jonathan.leiman@maryland.gov), Paul Kusnierz (pkusnierz@alumni.nmu.edu), or Yetta Jager (myjgoo@gmail.com).

Water News

EPA Proposes to Establish First-Time Clean Water Act Protections for Over 250 Tribes

<https://www.wwdmag.com/compliance-and-regulations/press-release/33004545/epa-proposes-clean-water-act-standards-for-over-250-tribes>

New Peer-reviewed Manuscript Describing PFAS in U.S. fish

[Locally caught freshwater fish across the United States are likely a significant source of exposure to PFOS and other perfluorinated compounds - ScienceDirect](https://www.sciencedirect.com/science/article/pii/S0380133023000710)

Connecticut Department of Energy and Environmental Protection has Published a Webpage Documenting Ambient PFAS Monitoring in Fish Tissue and Surface Water
<https://portal.ct.gov/DEEP/Water/Inland-Water-Monitoring/PFAS-Surface-Water-and-Fish-Tissue-Monitoring>

Cyanobacterial blooms in Ontario, Canada: continued increase in reports through the 21st century

<https://www.tandfonline.com/doi/full/10.1080/10402381.2022.2157781?cookieSet=1>

Initial insights on the thermal ecology of lake whitefish in northwestern Lake Michigan

<https://www.sciencedirect.com/science/article/pii/S0380133023000710>

Exploring Great Lakes benthoscapes: can we visually delineate hypoxic habitats?

<https://link.springer.com/article/10.1007/s10750-022-04821-z>

California Open and Transparent Water Data Act — Implementation Journal

This website contains information about data publication strategies and accomplishments since the Act was passed in 2016. It also contains links to water and ecological data resources.

https://dwr.maps.arcgis.com/apps/MapJournal/index.html?appid=50323246e8d148a0a504038a0d40fb7f&utm_medium=email&utm_source=govdelivery

Recent Member Publications

The most up to date list can be found at: <https://waterquality.fisheries.org/wp->

content/uploads/2023/05/Water-Quality-Section-Publications_5.18.23.pdf

Callisto, M., D. M. Castro, M. S. Linares, L. K. Carvalho, J. E. Barbosa, and R. M. Hughes. 2023. Which metrics drive macroinvertebrate drift in neotropical sky island streams?. *Water Biology and Security* 2(1):100077.

Golgher, A., M. Callisto, and R. Hughes. 2023. Improved Ecosystem Services and Environmental Gentrification after Rehabilitating Brazilian Urban Streams. *Sustainability* 15(4):3731.

Moi, D. A., M. B. Gómez, M. Burwood, G. Tesitore, G. Q. Romero, R. P. Mormul, P. Kratine, J. García-Girón, J. Heino, L. Juen, T. S. Michelan, L. F. A. Montag, G. M. Cruz, R. M. Hughes, and F. T. de Mello. 2023. Intensive land-use homogenizes Neotropical stream communities, reduces biodiversity and biomass production. *Journal of Animal Ecology* 2023(00):1–14

In Closing

That is all for now. I anticipate that there will be much to share in the fall issue after the annual meeting and we wrap up our summer field seasons. In the meantime, stay safe and keep up the good work! Hopefully I'll see you in Grand Rapids!

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Section Webpage:
<https://waterquality.fisheries.org/>

Facebook page:
www.facebook.com/AFS-Water-Quality-Section-369954383031160/
<https://waterquality.fisheries.org/>

Past issues of the WQS newsletter:
<https://waterquality.fisheries.org/newsletters/>