



# SPRING 2023 TECHNICAL MEETING

## WORKSHOPS

FRIDAY, FEB. 24, 2023

[REGISTER](#)

### R for Fisheries Professionals

Jason Doll, Ph.D. - Francis Marion University



Jason is on the FishR Core Team and one of the maintainers/developers of FSA, FSAdata, and RFishBC. Topics covered include:

- R basics
- Condition and weight-length relationships
  - Catch curve and mortality
    - LVB models
  - Stock-recruitment

### Freshwater mussels of Pennsylvania's Susquehanna River basin



Rick Spear - PADEP



Dakota Raab - PFBC



Nevin Welte - PFBC

Topics covered include the ecology and identification of mussels of the Susquehanna drainage.

The first portion of the workshop will include a presentation and the second will include hands-on identification

Rick, Nevin, and Dakota have surveyed mussels in each of PA's river basins and serve as experts for their agencies, as well as on various technical committees and societies.

### An Introduction to the Mayfly (Ephemeroptera) larvae of Pennsylvania

Dave and Mike have decades of experience with macroinvertebrates in the region. They have a wealth of knowledge to share.

Topics covered include morphology, life history, pollution tolerance, habitat preference, and taxonomy of Ephemeroptera. The first portion of the workshop will include a presentation and the second will include hands-on identification. \*Microscopes will be provided for workshop participants.



Dave Rebuck - PADEP (Retired)

Mike Bilger - USGS (Retired)