DATE/TIME	PRESENTATION TITLE	PRESENTER	AFFILIATION & E-Mail
Tuesday March 28, 2023 7 - 8 PM	**On-Site Registration (Make checks payable to "AMAAB")**		
12:00 (noon) - 4:00 PM	**SFS Certification Testing (Morgan Conference Room)**		
Wednesday March 29, 2023	**Registration & (Continental Breakfast)**		
8:30	Welcome, AMAAB Business, Announcements	Nick Murray	WV DEP - 2023 AMAAB President (nick.s.murray@wv.gov)
8:45	Wadeable Freestone Acidification Assessment Method Development in Pennsylvania.	Matt Shank	PA DEP (mattheshan@pa.gov)
9:10	Results from 1st year of Back River Nuisance Midge Control Program	Kevin Brittingham	Baltimore County Maryland (kbrittingham@baltimorecountymd.gov)
9:35	Collection of an uncommon mayfly taxon (Neoephemera bicolor) from the Little Kanawha River **(SPEED TALK)**	Garrett Hoover	WV DEP (garrett.w.hoover@wv.gov)
9:45	Measuring urban stream restoration success: processes, goals, monitoring, and regulations confound "ecological lift".	Chris Ruck	Fairfax County (christopher.ruck@fairfaxcounty.gov)
10:05	Project Assistance via USEPA Mid-Atlantic Region Scientific Dive Unit **(SPEED TALK)**	Dave Light	US EPA (light.david@epa.gov)
10:15 - 10:35	**Break 20 minutes**	#############	###################################
10:40	Pennsylvaia's Harmful Algal Bloom Program (Overview and Data Trends)	Erika Arnold	PA DEP (erikarnold@pa.gov)
11:00	Using MBSS Data to Improve Our Understanding of Fish Species of Greatest Conservation Need: American Brook Lamprey and Pearl Dace	Tomas Ivasauskas	MD DNR (tomas.ivasauskas@maryland.gov)
11:20	Master Watershed Stewards of Pennsylvania **(SPEED TALK)**	Tony Shaw	Reired PA-DEP (tonyref1@comcast.net)
11:30	A new method for evaluating water quality monitoring effort in service of environmental justice communities.	Drew Garey	VADEQ (andrew.garey@deq.virginia.gov)
11:50	Measuring dissolved organic carbon: a comparison of lab and field results.	Margaret Moulton	WVU (mem0087@mix.wvu.edu)
12:00 - 13:30	**Lunch & (Poster Session 12:45-13:30)**	#############	###################################
13:35	Aquatic Restoration in the Deep Anthropocene	Chad Landress	USFS (chad.m.landress@usda.gov)
14:00	Towards trends analyses of long-term monitored stream sites in the Chesapeake Bay watershed. **(SPEED TALK)**	Kelly Maloney & Matthew Cashman	USGS (kmaloney@usgs.gov)
14:10	Macroinvertebrate Assemblages in Unmapped Streams	Greg Pond	USEPA Region 3 (pond.greg@epa.gov)
14:30	Introducing New Susquehanna River Basin Data Visualization Tool; Water Quality Index & Chessie-BIBI **(SPEED TALK)**	Luanne Steffy	Susquehanna River Basin Commission (lsteffy@srbc.net)
14:40	Results of Fairfax County's Stream Restoration Macroinvertebrate Stocking Pilot Study	Jonathan Witt	Fairfax County (jonathan.witt@fairfaxcounty.gov)
15:00-15:20	**Break 20 minutes**	#############	###################################
15:30	Utilizing eDNA to assess macroinvertebrate assemblages in headwater streams of the Delaware River.	Tanya Dapkey	Academy of Natural Sciences of Drexel University (thd45@drexel.edu)
16:00	Effects of Dam Removal on Migrating Fish Species in the Paulins Kill Watershed	Grace Noll	NJ DEP (grace.noll@dep.nj.gov)
16:20	Groundwater promotes thermal resiliency and fish community stability in streams. **(SPEED TALK)**	Than Hitt	USGS EESC (nhitt@usgs.gov)
16:30	Population assessment of a threatened sculpin species using remotely operated vehicle technology	Blaine Snyder	Tetra Tech (blaine.snyder@tetratech.com)
17:15	**Announcements/Business-Elections/Adjourn**	#############	###################################
19:00-21:30	**Evening Group Social**	AMAAB	Finger Foods and "Beverages" Catered by Cacapon State Park
Thursday March 30, 2023	**Workshops & Location**	**Facilitator**	**Affiliation & E-Mail**
08:00 - 12:00 (Social Room - Downstairs 1st Floor)	**Weather Forecasting and Observational Datasets for Scientists** - Have you ever wanted a deeper understanding of the weather forecast than you can get by looking at the weather app on your phone? Have you wanted to find a certain dataset of observational weather or climate data but been unsuccessful in finding the data, or even if it existed? This workshop will take a deep dive into how meteorologists evaluate weather model data to make a weather forecast and provide participants with resources to help gauge confidence in the forecasts they are seeing. Participants will also gain a better understanding of what observational networks are used to monitor weather and climate and where to find that data for research purposes and fieldwork. Finally, participants with a laptop, tablet or smartphone will have the opportunity to use the resources discussed to find weather and observational data for a scenario.	Nicholas Webb & Jonathan Guseman	NWS/NOAA (nicholas.webb@noaa.gov) & (jonathan.guseman@noaa.gov)
08:00 - 12:00 (Fairfax Room - Main Conference Area)	**The Identification of Central Appalachian Darters** - Participants will receive hands-on training on fixing, preserving, and identifying the Mid-Atlantic darter fauna found on both sides of the Appalachian Divide. Students should bring a dissecting scope, light source (preferably fiber optic lighting), regional keys, nitrile gloves, and non-serrated forceps to the training session. Also, it is recommended that participants bring problematic/unknown specimens to the workshop so that the instructors may confirm their identification.	Nate Owens	WVDNR (nathaniel.v.owens@wv.gov)
08:00 - 12:00 (Rumsey Room - Main Lodge Level)	**Mayfly Taxonomy (Taxonomy Status in NA, Persistent Tax. Problems, Specimen Questions)** - 3 major objectives. First, to provide an overview of the current status of the taxonomy of the Ephemeroptera of North America. Focus will be at the family and genus level with some information on the recent work concerning the higher level classification and phylogeny of mayflies. This overview will include a synopsis of some of the structural changes included in the Chapter 13 key in 5 th edition of An Introduction to the Aquatic Insects of North America. Second, a few of the longstanding taxonomic difficulties at the generic-level that occur in the Baetidae, Heptageniidae, Ephemerellidae, and Leptophlebiidae (depending on time some species-level problems may also be included). Finally the development of practical taxonomic skills concerning the study of mayfly nymphs, a hands-on opportunity will be available to directly study specimens. Participants can select taxa from a self- study set of specimens and spend some time observing difficult taxonomic characters or just see some unusual taxa. The focus of the hands-on part is to help participants improve their confidence and competence in identifying mayflies to families and genera. [Participants are encouraged to bring their own specimens that they may have questions about, but please bring only a few of your best specimens – examination of bulk samples of specimens will not be possible during the workshop.] Participants should bring their own microscopes, wash bottles, ethyl alcohol, forceps, and their own copies of the 5th Ed. of An Introduction to the Aquatic Insects of North America. Handouts will be provided electronically before the workshop (a few printed copies will be available at the workshop).	Steve Burian	(burians1@southernct.edu)
08:00 - 12:00 (Panhandle Room - Downstairs 1st Floor)	**R Basics for Data Analysis** - Lou Reynolds of EPA Region 3 will present a beginner R user workshop on managing, analyzing, and visualizing data using the R statistical computing language. This workshop is intended to be basic and will provide the necessary information to begin the process of learning R. The workshop will center on advantages of using R to gain efficiencies by automating work. If you are trying to figure out if this is for you or want to learn a bit about R, check out http://www.statmethods.net/. Bring a laptop loaded with a current version of R. Also download and install RStudio. Both R and R Studio are free and can be found using a search engine. You may need help from your IT service desk.	Lou Reynolds	US EPA Region 3 (rynolds.louis@epamail.epa.gov)
08:00 - 12:00 (Morgan Room - Main Conference Area)	**Definition of "Waters of the United States" Updates, and Streamflow Duration Assessment Methods (SDAMs)** - Streamflow duration is used to differentiate reaches into discrete classes (e.g., perennial, intermittent, and ephemeral). Flow duration class is a fundamental characteristic in water resource policies and management and this workshop will cover current updates for the "Waters of the United States." Because the depiction of the extent and flow duration of streams via existing maps, remote sensing, and gauging is constrained, field-based tools are needed for use by practitioners and to validate hydrography and modeling advances. Streamflow Duration Assessment Methods (SDAMs) are rapid, reach-scale indices that use physical, biological, and hydrological indicators to predict flow duration class in a single site visit. During this workshop, the development of the existing SDAM beta methods at the regional scale will be discussed, along with the path forward to finalize the methods.	Brian Topping and Rose Kwok	US EPA Office of Water
Various Times	**Poster Presentations**	**Presenter**	**Affiliation & E-Mail**
	Master Watershed Stewards of Pennsylvania	Tony Shaw	Reired PA-DEP (tonyref1@comcast.net)
	Survival and movement trendsin a restored population of Blue Ridge Sculpin	Karli Rogers	USGS EESC (kmrogers@usgs.gov)
	Primacy of temperature over non-native trout for brook trout conservation: a case study from Maryland.	Karmann Kessler	USGS EESC (kkessler@usgs.gov)
	USEPA Mid-Atlantic Region Scientific Dive Unit	Dave Light	US EPA (light.david@epa.gov)
	Flowtography- Streamflow Monitoring Using Imagery and Machine Learning Modeling	Kelly Krock	USEPA Region 3 (Krock.Kelly@epa.gov)
	"ChesBay 24k": A Framework for Summarizing Landscape Data in the Chesapeake Bay Watershed and Beyond	Ben Gressler	USGS EESC (bgressler@usgs.gov)