

DATE/TIME	PRESENTATION TITLE	PRESENTER	AFFILIATION & E-Mail
Wednesday March 30, 2016 5:00 - 9:00 PM	Early Registration (Make checks payable to "AMAAB")		
12:00 (noon) - 3:00 PM	SFS Certification Testing	Mike Bilger	Susquehanna University (bilgerm@susqu.edu)
Thursday March 31, 2016 07:30 - 08:30	Registration (Continental Breakfast)		
8:30	Welcome, AMAAB Business, Announcements	Nick Murray	WV DEP - 2016 AMAAB President (nick.s.murray@wv.gov)
8:45	Tips for successful interactions with academia and watershed groups to meet agency data collection needs.	Kim Bjorgo-Thorne	WV Wesleyan College (bjorgo@wwc.edu)
9:10	The 2015 Ohio River Algal Bloom and its lasting effects on the Mid-Atlantic.	Sarah Horton	WV DEP (sarah.e.horton@wv.gov)
9:35	Sensitivity Analyses of Aquatic Macroinvertebrate Taxa in Fairfax County, VA	Chris Ruck	Fairfax County, VA (christopher.ruck@fairfaxcounty.gov)
10:00	Adjusting Fairfax BIBI Scores to Account for Natural Variability in Reference Condition	Jonathan Witt	Fairfax County, VA (jonathan.witt@fairfaxcounty.gov)
10:25 - 10:45	Break 20 minutes		
10:50	Comparing multiple scales of land use pressures and instream stressors on headwater stream macroinvertebrates	Kelly Krock	US EPA (krock.kelly@epa.gov)
11:15	Benthic macroinvertebrate and water chemistry stability within an Appalachian, AMD fragmented watershed.	Brian Carlson	AllStar Ecology (brian@allstarecology.com)
11:40	Benthic macroinvertebrate and water chemistry response to AMD treatment along a stream continuum.	Brian Carlson	AllStar Ecology (brian@allstarecology.com)
12:00 - 13:30	Lunch & (Poster Session 12:45-13:30)		
13:35	Citizen monitoring: hindrance or help? A case from southern West Virginia.	Doug Wood	Kanawha Forest Coalition Citizen Monitor (chinwe1755@gmail.com)
14:00	Utility of biofilm fatty acid signatures as a tool to characterize watershed environmental stress	Daniel Spooner	USGS-Leetown (dsponer@usgs.gov)
14:25	Physicochemical controls on suitable habitat and distribution of <i>Didymosphenia geminata</i> in the mid-Atlantic region	Matthew K. Shank	SRBC (mshank@srcb.net)
14:50	Introduction to the BIBI2 R-package: Developing Indices of Biotic Integrity with R	Zachary Smith	ICPRB (zsmith@icprb.org)
15:15-15:30	Break 15 minutes		
15:35	Shale oil and gas and surface waters: identifying potential contamination pathways through evaluation of state notice of violation and spill reports	Kelly Maloney	USGS (kmaloney@usgs.gov)
16:00	Examination of Ecological Attributes for Large River Fish Communities in NJ and NY: Implications for Index of Biological Integrity Development	James Kurtenbach	US EPA (kurtenbach.james@epa.gov)
16:25	Relative Influence of Watershed and Reach Scale Land-cover on Stream Trophic Status	Jeremy Alberts	University of Cincinnati (albertj@mail.uc.edu)
16:50	***Mussels (title not currently finalized)***	Janet Clayton	WV DNR (janet.l.clayton@wv.gov)
17:15	Announcements/Business-Elections/Raffle/Adjourn		
18:00	Native American Historical Demonstration	Doug Wood	WV Humanities Council (former WV DEP) (chingwe1755@gmail.com)
19:00-22:00	Evening Group Social - Old Inn near lodge	AMAAB	Finger Foods and Beverages from Cacapon State Park Restaurant
Friday April 1, 2016	Workshops & Location	Facilitator	Affiliation & E-Mail
08:00 - 12:00	Aquatic Beetles - Identifying aquatic beetle adults and larvae to family and genus levels is not particularly difficult; however, the biggest challenges come in using the keys and working with terminology that is often specific to Coleoptera. The workshop will have three major components. First, a short lecture on the biology, ecology, and collection methods for aquatic beetles. Second, we will go through the key characters for each of the 13 families using a handout and PowerPoint specifically designed for eastern taxa. Sample specimens will be provided for many of the families so that people can follow along with the handout and PowerPoint presentation. Emphasis at the genus and species levels will be placed on the major lotic taxa. Third, people are encouraged to bring their own specimens, as well as their own dissecting scopes, light source and forceps etc....	David White	Murray State University (david.white@murraystate.edu)
08:00 - 12:00	Identification and Taxonomy of Freshwater Cyanobacteria - The workshop will consist primarily of a PowerPoint presentation summarizing the key features used to identify cyanobacterial genera using the newest revised taxonomy. We will concentrate on the genera found in aquatic habitats of North America. After the presentation (2-3 hours), time will be provided for examination of specimens and photos provided by the participants using the newest keys to the genera. Each participant will receive a notebook or CD which will include the PowerPoint presentation, a list of important taxonomic references, PDF files of recent critical papers, and PDF files of the keys with descriptions of the taxa. The moderator will bring some microscopes, along with slides and coverslips, but participants should bring their own scopes if they want to guarantee their personal access to a microscope.	Jeffrey Johansen	John Carroll University (johansen@jcu.edu)
08:00 - 12:00	Using R-Statistical Tools for Managing Continuous Data - This workshop is intended for people who collect and manage continuous data. The focus will be on temperature and hydrologic data. This is a hands-on, interactive workshop. Topics will include: basics of using R; preparing and QCing continuous temperature and hydrologic data; and using R scripts to derive summary statistics and graphical outputs. Participants should bring their own laptop. The laptops will need to have R and RStudio software installed in advance (we will provide guidance on how to download the software). Example data will be provided but participants are encouraged to bring their own data as well.	Erik Leppo & Jen Stamp	Tetra Tech (jen.stamp@tetratech.com & Erik.Leppo@tetratech.com)
08:00 - 12:00	Overview of West Virginia's Freshwater Mussel Program - Introduction to the development of the modern classification system of freshwater mussels and techniques and tricks to help identify shells. Life history and ecology of freshwater mussels will also be discussed. Beginning of the workshop will consist of lecture presentations followed by hands on shell identification.	Janet Clayton	WV DNR (janet.l.clayton@wv.gov)
08:00 - 12:00	Fish Necropsy Methods - The workshop will be 3 hours and will include hands-on demonstration. Attendees do not need to bring supplies. We will cover recognition of normal and abnormal tissues in fish, obtaining blood samples, sterile technique and culturing tissues for bacteriology and viral pathogens, proper techniques for acquiring tissues for histopathology and molecular analyses, and documenting visual observations made during the necropsy. The lecture portion will discuss what can and cannot be determined from a necropsy, lesion descriptions and causes of some of the more commonly observed lesions. We will also discuss what can be determined from properly preserved tissues and the consequences of improper necropsy techniques.	Vicki Blazer	USGS (vblazer@usgs.gov)
08:00 - 12:00	Introduction to the Freshwater Gastropods of North America - Gastropods are some of the most diverse animals, both in form, habitat and habit. They are by far the largest group of mollusks. The native freshwater gastropod fauna is comprised of 36 families divided into 93 genera and currently represented by 709 species. In addition, North America has been invaded by approximately 28 species (10 families) of non-native species. This short workshop will help students develop the skills needed in gastropod identification. They will learn a range of features and comparisons integral to the identification process, including basic history of the taxonomy. The focus will be on recognizing families by shell shapes. Keys and examples of taxa will be on hand for comparison and analysis.	Art Bogan	Arthur E. Bogan and Jamie M. Smith (Arthur.bogan@naturalsciences.org Jamie.smith@naturalsciences.org)
08:00 - 12:00	Region 3 States – Electrofishing Challenges in Headwater Streams to Great Rivers - The facilitators will discuss lessons learned with electrofishing on different freshwater systems. Form the challenges of elevated stream conductivity to wide shallow multi-channel rivers. <u>We are requesting input from Region 3 State, Federal and private sector biologists on types of challenges experienced in the field (e.g., low conductivity, high conductivity, transitional waters) in order to develop a series of questions and responses prior to the workshop. Please send your questions and responses to:</u> Flotemersch.Joseph@epa.gov Alan.Temple@fws.gov Reynolds.Louis@epa.gov Borsuk.Frank@epa.gov	Joseph E. Flotemersch & Alan Temple	US EPA & US FWS (Flotemersch.joseph@epa.gov Alan_temple@fws.gov)
Various Times	Poster Presentations	Presenter	Affiliation & E-Mail
	Causal Analysis of the Smallmouth Bass Decline in the Susquehanna and Juniata Rivers	Dustin Shull	PA DEP (dushull@pa.gov)
	Examination of dietary thiamine deficiency as a potential cause for Smallmouth bass decline in the Susquehanna River	Daniel Spooner	USGS-Leetown (dsponer@usgs.gov)
	Gas Well Impacts On Water	Emma Malcomb	WV Wesleyan College (malcomb_eb@wwc.edu)
	Compiling and integrating aquatic databases across the Northern Appalachian region	Randy Bennett	USGS (rmbennett@usgs.gov)
	Influence of Watershed and Reach Scale Land-cover on Stream Trophic Status	Jeremy Alberts	University of Cincinnati (albertj@mail.uc.edu)
	Estimating Sediment Loads in Small Watersheds Using Continuous Monitoring Data	Luanne Steffy	SRBC (lsteffy@srcb.net)
	Development of new high-gradient indices of biotic integrity for wadeable rivers and streams in New Jersey	Brian Henning	NJ DEP (brian.henning@dep.nj.gov)
	NON-OFFICIAL TITLE Cyanobacteria/Blue-Green Algae	Jeff Johansen	John Carroll University (johansen@jcu.edu)
	A Multi-Scale Web-Based Fish Habitat Decision Support Tool	Jason Clingerman	Downstream Strategies (jclingerman@downstreamstrategies.com)
	Bean-Counting for the Bay: Unintended Consequences of Increased Credits for Urban Stream Restoration	Bill Shanabruch	Reedy Creek Coalition (billanddi@verizon.net)