



2017 Meeting of the Virginia and Virginia Tech Chapters of the American Fisheries Society

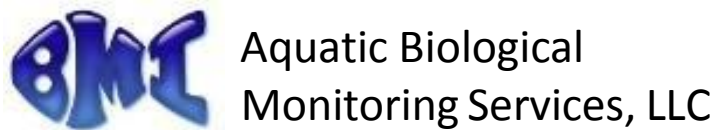
“Applied Fish Health”

Tuesday, February 21st - Thursday, February 23rd, 2017

Washington and Lee University
Elrod Commons – Stackhouse Theatre
Lexington, VA 24450

Hampton Inn.
401 E Nelson St.
Lexington, VA 24450

The Virginia and Virginia Tech Chapters thank the
Sponsors for our 2017 meeting



John Kauffman, LLC,
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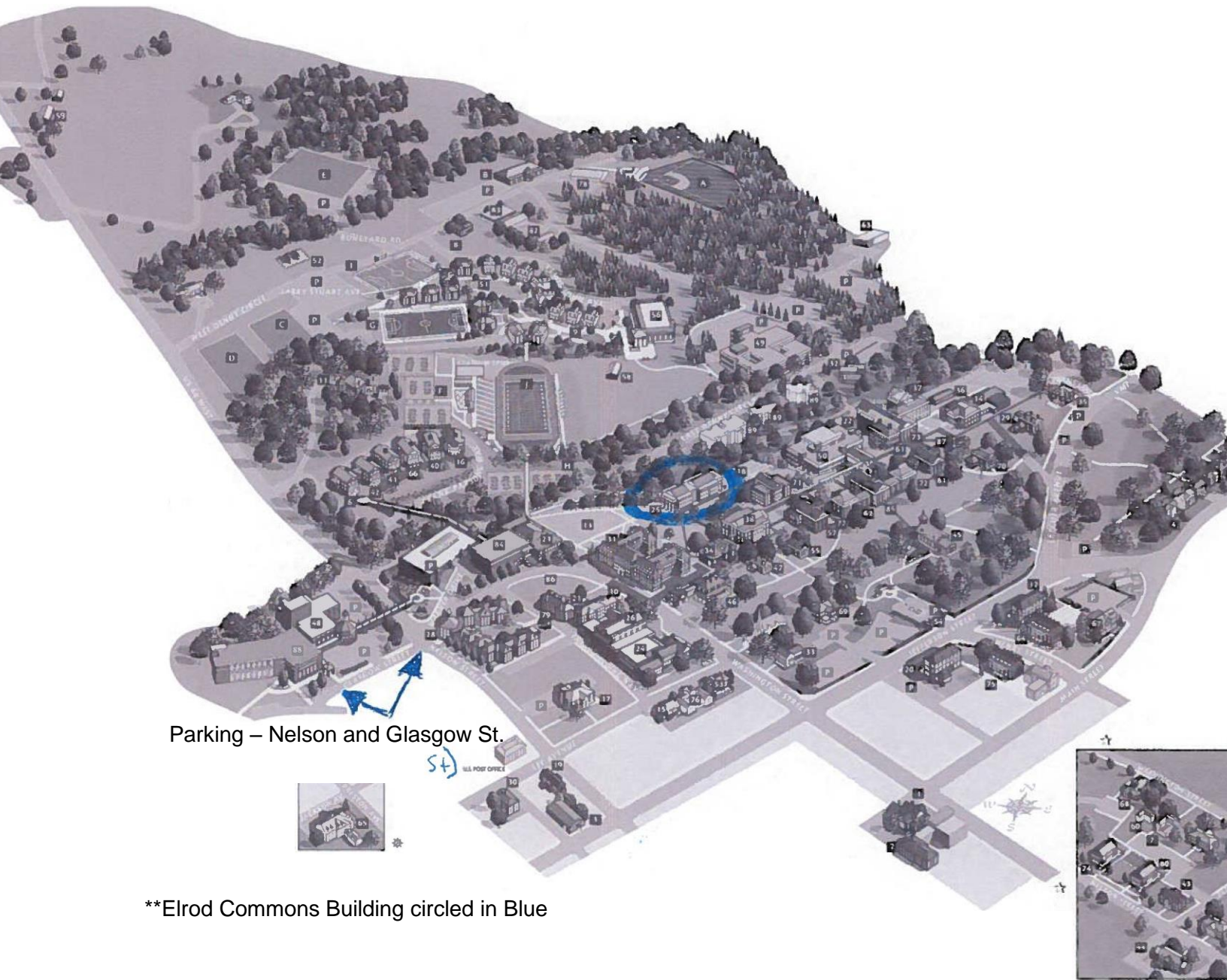


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Parking – Nelson and Glasgow St.

**Elrod Commons Building circled in Blue

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Elrod Commons – Stackhouse Theatre

Program at a glance	
Tuesday 21 February	
12:00 PM – 5:00 PM	Registration for Joint AFS Meeting
1:00 PM – 5:00 PM	Applied Fish Health Symposium
6:00 PM – 10:00 PM	Informal social – Hampton Inn. Rockbridge Room
Wednesday 22 February	
7:45 AM – 3:45 AM	Registration for Joint AFS Meeting
8:00 AM – 8:15 AM	Opening remarks
8:15 AM – 10:00 AM	Contributed papers
10:00 AM – 10:15 AM	BREAK
10:15 AM – 11:55 AM	Contributed papers
11:55 AM – 1:30 PM	LUNCH – Student/Mentor meet in Theatre
1:30 PM – 2:30 PM	Contributed papers
2:30 PM – 2:45 PM	BREAK
2:45 PM – 3:50 PM	Contributed papers
3:50 PM – 4:00 PM	BREAK
4:00 PM – 5:00 PM	Virginia Chapter AFS Business Meeting
6:00 PM – 7:00 PM	Poster session and social – Hampton Inn. Rockbridge Room
7:00 PM – 10:00 PM	Dinner and raffle – Hampton Inn. Rockbridge Room
Thursday 23 February	
8:30 AM – 9:45 AM	Contributed papers
9:45 AM – 10:00 AM	BREAK
10:00 AM – 11:15 AM	Contributed papers
11:15 AM – 11:30 AM	Closing remarks / Awards

Program Committee: Mike Isel (VA Chair), Skylar Wolf (VT Chair), Craig Roghair, Scott Smith, Aaron Bunch, and Hae Kim

Tuesday, February 21st

12:00 p.m. – 5:00 p.m. Registration for Joint AFS Meeting in Elrod Commons Atrium

TIME	Elrod Commons - Stackhouse Theatre
	Moderator: Mike Isel
1:00-5:00 p.m.	<p>Applied Fish Health Symposium</p> <p>A decade of assessing wild fish health: complexities of understanding and incorporating risk factors <i>Vicki Blazer (USGS - Research Fishery Biologist)</i></p> <p>The US Fish & Wildlife Service's National Wild Fish Health Survey and Database <i>Patricia Barbash (USFWS - Senior Fish Health Biologist)</i></p> <p>Fish Health Challenges from Wild and Aquaculture Populations: 3 Case Examples <i>Scott Weber (USDA - Field Veterinary Medical Officer)</i></p> <p>Biosecurity and Disease Update for our Trout Hatcheries <i>Butch Bates (VDGIF - Hatchery Manager, Wytheville)</i></p> <p>Drugs Available for Use in Wild and Captive Fish: Products, Procedures, and Protocols <i>Megan Kirchgessner (VDGIF - Veterinarian)</i></p> <p>*Q&A session will begin following completion of last presentation</p>

6:00-10:00 p.m. Informal social - Hampton Inn. Rockbridge Room

Wednesday, February 22nd

7:45 a.m. – 3:45 p.m. Registration for Joint AFS Meeting in Elrod Commons Atrium

TIME	Elrod Commons - Stackhouse Theatre
8:00-8:15 a.m.	Opening Remarks <i>Craig Roghair, VA Chapter President</i>
	Moderator: Aaron Bunch
8:15-8:25 a.m.	Getting Beneath the surface with freshwater snorkeling education programs <i>C. Roghair - USFS (Lightning)</i>
8:25-8:35 a.m.	The abyss explained: What happens to the data in your DGIF collection permit report after submission? <i>K. Horodysky - VDGIF (Lightning)</i>
8:35-8:50 a.m.	Identifying Sampling Efficiencies in Fisheries Monitoring: Examples from Virginia <i>A. Bunch - VDGIF</i>
8:50-9:05 a.m.	A Monumental Removal of a Hazel River Mill Dam <i>A. Weaver - VDGIF</i>
9:05-9:20 a.m.	Harvell Dam Removal: Preliminary Analysis <i>R. Willis - VDGIF</i>
9:20-9:30 a.m.	Fishes of the Upper New River, Virginia <i>H. Kim - VT - Student (Lightning)</i>
9:30-9:45 a.m.	Age and Growth of Largemouth Bass in Lake Monticello <i>H. Jenkins - VT - Student</i>
9:45-10:00 a.m.	Development of a Fisheries Management Plan at Long Pond, Virginia – A Case Study <i>V. DiCenzo - SOLitude Lake Management</i>
10:00-10:15 a.m.	BREAK
	Moderator: Skylar Wolf
10:15-10:30 a.m.	Modeling Contact Rates Based on Population Density and Resource Aggregation <i>P. McElmurray - VT - Student</i>
10:30-10:45 a.m.	Applying a Bayesian spatiotemporal model to CPUE to inform management unit appropriateness: an example based on Lake Erie Yellow Perch (<i>Perca flavescens</i>) <i>R. Bi - VT - Student</i>

TIME	Elrod Commons - Stackhouse Theatre
10:45-11:00 a.m.	Prioritizing Fish Habitat for American Eel (<i>Anguilla rostrata</i>) in the Chesapeake Bay Watershed <i>N. Walker - GMU - Student</i>
11:00-11:15 a.m.	Temporal and Longitudinal Mercury Trends in Burbot (<i>Lota lota</i>) in the Russian Arctic <i>A. Pelletier - VT - Student</i>
11:15-11:30 a.m.	A new method of estimating life history parameters of Blackbelly Rosefish (<i>Heliocolenus dactylopterus</i>) <i>K. Kirch - ODU - Student</i>
11:30-11:45 a.m.	Linear Mixed-Effects Models to Describe Length-Weight Relationships for Yellow Croaker (<i>Larimichthys polyactis</i>) along the North Coast of China <i>Q. Ma - VT - Student</i>
11:45-11:55 a.m.	Symbiont Dispersal Across A Crayfish Landscape <i>S. Bell - VT - Student (Lightning)</i>
11:55-1:30 p.m.	LUNCH – on your own (Student/mentor meet in Stackhouse Theatre)
	Moderator: Corbin Hilling
1:30-1:45 p.m.	The Proposed Atlantic Coast Pipeline and the Risk to Mountain Streams <i>J. Webb - Dominion Pipeline Monitoring Coalition</i>
1:45-2:00 p.m.	Impacts of coal mining on stream fish diversity and distribution in the Clinch River and Powell River Watersheds <i>Z. Martin - VT - Student</i>
2:00-2:15 p.m.	Revealing the Current Relationship between Stream Acidification and Fish Species Richness in Shenandoah National Park: What is the Status after Two Decades? <i>P. Harmon - JMU - Student</i>
2:15-2:30 p.m.	Atmospheric Acid Deposition Reduction and Stream Water Chemistry Response in Three Virginia Trout Streams <i>K. Pyszka - JMU - Student</i>
2:30-2:45 p.m.	BREAK

TIME	Elrod Commons - Stackhouse Theatre
	Moderator: Jeff Williams
2:45-2:55 p.m.	Real-time GIS Reporting – Successful Use of ESRI’s Collector App During Watershed Assessments <i>J. Ayers - James Madison High School - Student (Lightning)</i>
2:55-3:05 p.m.	Virginia’s State Fish Surviving in Suburban Waters of Our Nation’s Capital – A Lofty Dream or a Scientifically Sound Possibility? <i>E. Garcia - James Madison High School - Student (Lightning)</i>
3:05-3:20 p.m.	To BKT or Not To Be? Summertime Stream Temperatures and Brook Trout in Virginia <i>T. Benzing - JMU</i>
3:20-3:35 p.m.	The role of fish personality during formation of linear dominance hierarchies in brook trout <i>E. Sprague - Randolph Macon - Student</i>
3:35-3:50 p.m.	Movers and Stayers: Can We Predict Movement Behavior in Brook Trout? <i>S. White - Penn State - Student</i>
3:50-4:00 p.m.	BREAK

4:00-5:00 p.m. VA Chapter Business Meeting - Stackhouse Theatre

6:00-7:00 p.m. Poster Session and Social - Hampton Inn. Rockbridge Room

TIME	Hampton Inn. – Rockbridge Room
6:00-7:00 p.m.	Poster Session
	Establishing Tiger Muskie Fisheries in Private Virginia Impoundments <i>A. Cushing - SOLitude Lake Management</i>
	Assessing Longitudinal Patterns in Freshwater Mussel, Crayfish, and Other Benthic Macroinvertebrate Assemblages and Distributions Above and Below a Hydroelectric Dam in the Upper New River, Virginia <i>C. Carey - Virginia Tech</i>
	Water Quality Improvement Plan for Montebello Fish Cultural Station <i>K.J. Kulzer - JMU</i>
	Impacts of Light on Survival of Brook Trout (<i>Salvelinus fontinalis</i>) Eggs <i>J.A. Studio and T. Tears - JMU</i>
	Fish species diversity and interactions at varying classes of <i>Acropora palmata</i> and <i>Acropora cervicornis</i> in Bonaire <i>D. Goldberg - Virginia Tech</i>
	Influence of <i>Bacillus</i> Probiotic Candidates on Growth Performance and Immunity in Nile Tilapia (<i>Oreochromis Niloticus</i>) <i>O. Galagarza - Virginia Tech</i>

7:00-10:00 p.m. Dinner & Raffle - Hampton Inn. Rockbridge Room

Thursday, February 23rd

TIME	Elrod Commons - Stackhouse Theatre
	Moderator: Hae Kim
8:30-8:45 a.m.	Freshwater Mussels Exposed to Arsenic and Sulfate Show Contrasting Patterns of Gene Expression <i>E. Hallerman - VT</i>
8:45-9:00 a.m.	Leveraging Existing Fish Collections and Museum Data for Improved Conservation Decisions <i>E. Frimpong - VT</i>
9:00-9:15 a.m.	Floodplain deforestation effects on fisheries yields in the Amazon <i>L. Castello - VT</i>
9:15-9:30 a.m.	A length-based age-structured Bayesian hierarchical model of tag-recovery data, with a case study of Lake Erie Yellow Perch <i>C. Zhou - VT</i>
9:30-9:45 a.m.	Yellowfin Madtom Reintroduction into the North Fork Holston River <i>M. Pinder - VDGIF</i>
9:45-10:00 a.m.	BREAK
	Moderator: Jason Hallacher
10:00-10:10 a.m.	A Comparison of Methods for Evaluating the Presence of F ₁ Intergrade Largemouth Bass <i>B. Donovan - VDGIF (Lightning)</i>
10:10-10:20 a.m.	Angler Usage and Exploitation of Muskellunge in the Upper James River: First Year Results <i>T. Young - VDGIF (Lightning)</i>
10:20-10:35 a.m.	Comparisons of Striped Bass Growth and Gizzard Shad Abundance <i>D. Wilson - VDGIF</i>
10:35-10:45 a.m.	Using a Non-traditional Method for Conducting an Angler-Creel Survey for Three Stream Fisheries <i>S. Reeser - VDGIF (Lightning)</i>
10:45-11:00 a.m.	Development of a Trophy Wild Trout Fishery <i>S. Owens - VDGIF</i>
11:00-11:15 a.m.	Trends in Abundance of Brown Trout and Brook Trout in an Appalachian Stream <i>J. Odenkirk - VDGIF</i>
11:15-11:30 a.m.	Closing Remarks <i>Mike Isel, VA Chapter President</i>

