

Abstracts for the 2006 Annual Meeting

Session 1 State Wildlife Grants and Landowner Incentive Programs, Moderator - Jim McHugh

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| Jim McHugh | State Wildlife Grants and the Alabama Comprehensive Wildlife Conservation Strategy |
| David Campbell | Identifying Alabama's Mystery Mollusks with DNA |
| Thomas B. Kennedy | Ecological Dynamics of Food Web Components of the Sipsey River Floodplain Ecosystem |
| Elise Irwin | Southeast Aquatic GAP: Empirical Modeling of Species Distributions in the ACT |
| Paul Johnson | Facility and Program Development of the new Alabama Aquatic Biodiversity Center |

Session 2 - Freshwater Resources, Moderator - Mike Macina

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| Adam Kennon | Distribution and Habitat of Shoal Bass in Selected Tributaries of the Chattahoochee River |
| Lem Casten | Life History Plasticity across Distribution Gradients in Alabama Streams |
| Dennis DeVries | Evaluating the status of <i>Tulotoma magnifica</i> in the Coosa River and Its Tributaries |
| Andrew Rypel | The Influence of Hydrology on Fish Population Characteristics in the Unregulated Sipsey River, Alabama |
| Robert Stiles | Preliminary Observations on Spawning Behavior and Egg Deposition Substrate of the Vermilion Darter |

Session 3 - Marine Resources, Moderator - Kevin Anson

MacKichan, C.A.,	Interactions between red snapper <i>Lutjanus campechanus</i> , and gray triggerfish <i>Balistes capriscus</i> , a laboratory and field study in the northeast Gulf of Mexico
Sansing, Nelson	Adaptability of Marine Fish to Low-Salinity Waters of the Black Belt Region of Alabama
Powers, Monica J.	Estimating the effect of angler gear on recovery of tagged red snapper on artificial reefs within Alabama coastal waters.
Geraldi, Nate	Individual and community level responses of fish and crustaceans to restoration of marine biogenic habitat
Mareska, John	Demographic characteristics of red snapper, <i>Lutjanus campechanus</i> , off Alabama
Gregalis, Kevan	Evaluating fisheries benefits of restored oyster reefs along an environmental gradient

Session 4 - Aquatic Invertebrates of Alabama, Moderator - Daniel Drennan

Davenport	<u>Macroinvertebrates of the Upper Cahaba River: A Three-Year Study</u>
Bernard R. Kuhajda	<u>Discovery of a New Population of the Endangered Alabama Cave Shrimp, <i>Palaemonias alabamiae</i>, in Madison County, Alabama</u>
Stephanie Clark	<u>Interesting Things Come in Small Packages – the Pebble Snails of Alabama</u>
Susan B. Adams	<u>Stream Crayfish in Mississippi: Who's Where and Why</u>

Session 5 - Hydropower Dam Relicensing, Moderator - Jeff Powell

Bo Sawyer	Federal Energy Regulatory Commission (FERC) Relicensing of
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the Gantt and Point A Hydroelectric
Dams on the Conecuh River

- Jim Crew Background on the Federal Energy Regulatory Commission
(FERC) Relicensing of the Coosa and
Warrior Projects
- Andy Shepard Flow Modeling and Operation of the Coosa and Warrior Projects
- Chuck Bach and Bill Proctor Tennessee Valley Authority (TVA) Experience with Enhancing
Aquatic Habitat Downstream of
Tributary Reservoirs

Session 6 -Clean Water Act Rule 316(b) - Moderator Jeff Powell

- Bill Garrett [Overview and Experience with the EPA Clean Water Act, 316\(b\)
Rule](#)
- Jon Ponstein [Use of an Acoustic Doppler Current Profiler \(ADCP\) to
Determine Hydraulic Zone of Influence \(HZI\)
near Power Plant Intake Structures](#)
- John Sieweke [Entrainment Collection Methods for Compliance with EPA Clean
Water Act, 316\(b\) Rule](#)
- Jeff Baker [Health Conditions of Impinged and Control Fish](#)
- Jason Yarbrough [Impingement: Caught in the Current](#)

Session 7 - Alabama Water Resources Session - Moderator Emile Elias

- Tom Littlepage Water Resources in Alabama: The Role of the Office of Water
Resources
- Fred Leslie [The State of Alabama Water Quality Monitoring Strategy](#)
- Chris Johnson Protecting Alabama's Water Resources "It's A Data Driven
Process"

James L. Robinson

[The Role of Ground Water in the Methylation of Mercury Weeks Bay Watershed, Baldwin County, Alabama](#)

Chris Metcalf

[Big Escambia Creek Restoration Project](#)

Session - 7 Aquatic Nuisance Species, Moderator - Joe Jernigan

Smoot Majors,

State of Alabama Aquatic Nuisance Species Plan

David Yeager,

Rapid Response Program for ANS

Howard Peavey,

Overview of the Alabama Invasive Plant Council