

## **MARK ALAN GRIPPO**

Ecological & Geographical Sciences Section  
Environmental Science Division  
Argonne National Laboratory

### **Education:**

Ph.D. Louisiana State University, Biology, 2009  
M.S. Virginia Polytechnic Institute and State University, Biology, 2001  
B.S. College of William and Mary, Biology, 1996

### **Professional Experience:**

2009-Present Ecologist  
Environmental Science Division  
Argonne National Laboratory

In general, the assessment of anthropogenic impacts on terrestrial and aquatic ecosystems in compliance with the National Environmental Policy Act. Primarily focused on the effects of hydrokinetic energy technology on marine communities and ecosystem processes and assisting the Minerals Management Service with formulating conceptual models that address the potential biological impacts of long-term, off-shore oil and gas extraction and developing ways to minimize potential impacts.

### **Summary of Previous Experience:**

2001-2005 Post-doctoral researcher  
Louisiana State University

Examined the role of active and decommissioned oil platforms in fisheries production and marine food webs.

2001-2006 Graduate research assistant  
Louisiana State University

Investigated the distribution and biomass of benthic microalgae in the north central Gulf of Mexico continental shelf as well as factors influencing these parameters. Also examined the incorporation of benthic microalgae and detrital phytoplankton into benthic marine food webs.

2001-2005 Biologist II  
CZR Incorporated

Prepared Environmental Assessment and Environmental Impact Statements for a variety of project types including marine dredging, beach replenishment, mining, and bridge construction. Conducted species surveys and report preparation related to Endangered Species Act and prepared Essential Fish Habitat reports. Managed biological surveys, monitoring studies, and stream and wetland restoration projects.

1996-1998 Graduate research assistant  
Virginia Tech

Toxicology study of the behavioral and neurochemical effects of mercury on freshwater fish.

**Research Interests:**

Biological oceanography  
Food web ecology  
Benthic ecology of marine, estuarine and freshwater systems  
Environmental impact analysis  
Ecotoxicology

**Publications:**

Author or co-author of 7 journal publications, 10+ agency reports, and 3 conference presentations.