

AREAS OF EXPERTISE

- Flood Management
- National Flood Insurance Program (NFIP)
- NFIP Community Rating
- Wetlands Conservation & Restoration
- Water Quality Analysis
- Water Reuse Regulation
- Trading for Development Rights
- Integrated Water Resource Management for Sustainability
- Aquifer Storage & Recovery
- Local Mitigation Strategies
- Land Use Regulations
- Urban Planning for Growth Management
- Environmental Protection Agency
- Clean Water Act
- Endangered Species Act
- Federal Emergency Management Agency
- National Environmental Policy Act
- National Oceanic & Atmospheric Administration

EDUCATION

FLORIDA STATE UNIVERSITY

Master of Arts in Environmental Studies Candidate

Thesis: "Mitigation in the United States with the National Flood Insurance Programs, Community Rating System's Effectiveness in Michigan and Ohio"

- Gained valuable data from floodplain managers and state/county emergency management personnel by developing an alternative consent form that bypassed a signature requirement.

Bachelor of Arts: Environmental Studies
- cum laude

SUSTAINABLE WATER RESOURCE MANAGEMENT

Leverage exceptional educational background with advanced degrees in environmental studies and "in the trenches" research and investigations to bring clarity and insightful reasoning to water resource management and related challenges.

Possess deep knowledge of the National Flood Insurance Program and the NFIP's Community Rating System, and the consequences of flood policy at the federal, state, and local levels.

CAREER-RELATED RESEARCH PROJECTS, PRESENTATIONS, & WHITE PAPERS

NATIONAL WATER RESOURCES ASSOCIATION (NWRA)

- "Recharging Aquifers with Reclaimed Water Using Rapid Infiltration Basins in Tampa, Florida"
- "Flood Management by Local Municipalities; Variations on the Influence of State and Federal Programs" presentation for the NWRA national conference
- "Development Rights for Aquifer-Recharge Lands," presentation for the NWRA national conference
- "Consistent Flood and Drought Management"

CENTER FOR RURAL OHIO

- "Flood Mitigation for Ohio's Rural Communities," a report presented to Ohio state legislators.

MARINE COASTAL MANAGEMENT COURSE

- Integral part of a team charged with the monitoring of ecosystems, documenting species growth, improvements to water quality, and the identification of algae. Monitored beach erosion using land survey equipment. Measured water clarity depths and accurately documented data, weather conditions, and time-lapse between monitoring.

CREATION AND RESTORATION OF WETLANDS COURSE

- Investigation into wetland decline on Flipp Island. Research revealed the alteration of critical tidal flow by the installation of a drainage system, which dramatically impacted the wetland.
- Monitored manmade and restored wetlands to determine the viability for future restoration of failed wetlands.

ADVANCED ECOLOGY COURSE

- Researched a Florida legislative policy to track the effects of a corporation's water plant on surrounding wildlife, water quality, and water levels.

URBAN PLANNING COURSE

- Presented a "walkable community" proposal on land-use and transportation scenarios to the Lenawee County Metropolitan Planning Organization's Technical Advisory Committee and Citizen Advisory Committee

CAREER-RELATED RESEARCH PROJECTS, PRESENTATIONS, & WHITE PAPERS (Continued)

SCHOLARLY PROJECTS

- “Stakeholder Framework of Ohio’s Department of Environmental Quality, Water Quality Policy Public Act 148”
- “Water Filtration: Benefits, Policies, and Challenges”
- “Effect of Increase Rainfall on Species Counts”

CAREER-RELATED ORGANIZATIONS, PARTICIPATIONS, & MEMBERSHIPS

US WATERSHED COUNCIL – **Board of Directors**

FLORIDA WATER RESOURCES ASSOCIATION – **Member**

STATE FLOODPLAIN MANAGER ASSOCIATION – **Member and National Conference Participant**

FLORIDA STATE UNIVERSITY CHAPTER OF NWRA – **Officer**

NWRA CONFERENCE – **Flood Control Panelist and Presenter**

LENAWEE COUNTY EXTENSION OFFICE – **Certified Master Gardener**

CAREER-RELATED VOLUNTEER EXPERIENCE

MICHIGAN STATE BOTANICAL GARDENS • 2016 – 2017

Garden Maintenance

BEST FARMS • 2010

Land Maintenance

Performed land maintenance for this global food production farm, which educates foreign participants on new and modified techniques for farming, wetland replications, urban gardens, and mountain-side gardens.

ACCOLADES

“She has demonstrated excellent scholarly achievements, a powerful intellectual curiosity about both the mechanisms and the conceptual underpinnings of environmental management in the U.S., and the capability of navigating and critically assessing the complex system of policies, regulations, and institutions of water resource management.”

– L. ROBERT DENNIS, PH.D., P.E., FLORIDA STATE UNIVERSITY