

## CATHERINE ALICE FOX

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### HIGHLIGHTS OF QUALIFICATIONS

- ❑ Over seventeen years experience in environmental policy and program/project management at the national, regional and community levels both within and outside of the federal government (US EPA). Regulatory expertise includes: CWA, SDWA, CERCLA, RCRA, CAA, TSCA, FIFRA, and NEPA.
- ❑ Provided high quality technical support on strategic planning, regulatory compliance, funding acquisition, data management, risk assessment and report preparation for stormwater, wastewater and water supply management to local governments and private industry for over six years.
- ❑ Recognized national expert in the fields of stormwater regulations, contaminated sediments assessment and environmental justice/tribal policy. Served as EPA's National/Regional Expert on many national and regional steering committees and workgroups to develop national/regional policies and projects related to watershed assessment, community relations, and risk assessment issues.
- ❑ Significant accomplishments in the areas of environmental database design, compilation, and evaluation, development of GIS projects and internet tools for improved water resources management and environmental justice/tribal policy.
- ❑ Researched and prepared over 60 internal/external presentations and documents, articles, grant applications, and reports on new policy and technical issues related to watershed assessment and planning as well as other environmental assessment and management topics.

### PROFESSIONAL EXPERIENCE

#### Environmental Policy and Planning

- Currently serve as Representative on the Metropolitan North Georgia Water Planning District (Stormwater Technical Committee), Member of the Decatur Greenspace Commission, Board Member of the Clyde Shepherd Nature Preserve and former member of the Governor's Erosion and Sedimentation Control Oversight Committee.
- Served as Program Manager of the DoD P2 Watershed Advisor Board, a cross-service/agency workgroup focused on promoting regulatory compliance and pollution prevention at military installations (Army, Navy, Air Force, Marines) throughout the southeastern United States.
- Compiled and evaluated EPA's National Sediments Inventory database to prepare a peer-reviewed Report to Congress on the nature and extent (including causes) of contaminated sediments in the United States.

#### Environmental Compliance

- Assisted the Cities of Cumming, Emerson, Hiram, Flowery Branch, Tyrone and Dallas as well as Paulding and Bartow Counties successfully pass the EPD/MNGWPD Compliance Audits. Currently assisting the Cities of Cartersville and Villa Rica through the audit process.
- Prepared NPDES Phase II and Industrial Permit Applications, Industrial Stormwater Pollution Prevention Plans, and Stormwater Phase II Annual Reports for numerous cities, counties and industrial manufacturing clients in Georgia. Currently serve as the Stormwater Consultant for the Cities of Holly Springs, Woodstock, Hiram, Dallas, Cumming, Emerson and Commerce, and the Unified Government of Cusseta-Chattahoochee County, Lee County, Fayette County, Bartow County and Paulding County.
- Prepared Watershed Assessment/Protection Plans for Cochran, Griffin, Temple, McRae, Paulding, Cedartown, Buford and Lee County, GA. Currently involved in similar projects for the Cities of Cedartown, Dallas, Cumming, Carrollton as well as Bartow County, GA.
- Prepared Vulnerability Assessments and Emergency Response Plans for Polk and Chattahoochee Counties, and the Cities of Woodstock, Temple and Cedartown, GA.
- Responsible for design of sampling and analytical methodologies used, as well as review and final approval of watershed data interpretation for over \$2 million of sediment testing in 7 major harbors in the southeast.

## Community Education and Involvement

- Developed EPA Region 4's policy on how to identify environmental justice areas. Methodology has been successfully used to help identify, communicate and reach consensus on controversial issues of concern at many public meetings on environmental planning (e.g., Atlantic Steel Redevelopment Initiative).
- Worked with many EPA Headquarters Program Offices, all ten Regions and 537 Tribes to identify and address enforcement and compliance needs in Indian Country. Part of this effort included the design and maintenance of a multi-page web site on OECA's Tribal Program (contacts, grants information, policies, regulations, and databases).
- Coordinated efforts of all ten EPA Regions and many Tribes to develop a web-based GIS project used to characterized multi-media emissions, permit compliance and potential human health and environmental threats to tribal communities from industrial facilities located on and near their reservations.

## Proposal/Final Report Preparation

- Identified and prepared successful grant application packages to obtain funding for watershed planning, assessment and management, storm sewer mapping, Greenspace acquisition, Brownfields redevelopment, hazardous materials management, etc. Clients included local governments (McIntosh Trail Regional Development Center, Walker County and Newton County), tribes, universities (University of Georgia), consulting firms, and community groups. Obtained \$1.4 million in 2002, \$650K in 2003, and \$225K in 2004.
- Used innovative aquatic-life criteria and risk-assessment models to compile three comprehensive, peer-reviewed databases of water/sediment/biota quality and pollutant source information to identify geographic areas, chemicals, and industries of concern for the southeastern coastline, Gulf of Mexico, and entire United States (freshwater and marine). Effort included the organization of two national interagency workshops and contract management of over \$1.5 million.
- Researched and prepared over 60 internal/external communication documents, articles, and reports on new policy and technical issues related to: water/sediment, watershed/stormwater management, and source water assessment and protection; emergency response; hazardous waste cleanup, and pollution prevention.

## EMPLOYMENT HISTORY

### Principal and Senior Environmental Scientist

FOX ENVIRONMENTAL, LLC

**1/00-Present**  
DECATUR, GA

### Environmental Scientist

Divisions of Water, Policy and Management and Environmental Accountability  
ENVIRONMENTAL PROTECTION AGENCY, REGION 4

**3/98-12/05**  
ATLANTA, GA

### Senior Environmental Scientist

THE UNIVERSITY OF GEORGIA  
GEORGIA TECH RESEARCH INSTITUTE  
*On assignment from the US Environmental Protection Agency*

**6/02-7/03**  
**1/01-2/02**  
ATLANTA, GA

### Environmental Scientist

Office of Enforcement and Compliance Assurance  
Office of Water  
ENVIRONMENTAL PROTECTION AGENCY, HEADQUARTERS

**4/95-2/98**  
**9/92-3/95**  
WASHINGTON, DC

## EDUCATION

### Doctoral Program in Ecology

UNIVERSITY OF GEORGIA  
Course work and research in marsh/stream ecology and natural resource law

**6/87-7/90**  
ATHENS, GA

### Master of Science in Oceanography

TEXAS A&M UNIVERSITY  
*THESIS: BIOCHEMICAL ADAPTATIONS OF MICROMETAZOANS IN THE SULFIDE SYSTEM*

**August 1985**  
COLLEGE STATION, TX

### Bachelor of Arts in Biology

UNIVERSITY OF MISSOURI

**May 1982**  
COLUMBIA, MO