

# JULIA M. BOWDOIN

105 Norfolk Street #4, Cambridge, MA 02139

Home: (617) 492-6290; Office: (978) 371-4187

## EDUCATION

**MASTER OF ENVIRONMENTAL MANAGEMENT**, Duke University, Durham, NC May 1997

*Concentration:* Wetlands Ecology

*Masters Project:* Analysis of the pattern and distribution of community types within the White Oak Plantation Rice Paddy, a regenerating freshwater tidal wetland.

*Representative Courses:* wetlands ecology, hydrology, water quality management, land-use policy, natural resource economics, wildlife management, environmental law, National Environmental Policy Act (NEPA), spatial analysis, remote sensing, and geographic information systems (GIS).

**BACHELOR OF ARTS, Cum Laude**, University of Vermont, Burlington, VT May 1993

*Major:* Environmental studies. *Minor:* Political science.

*Honors:* Phi Beta Kappa, Environmental Program Honors for Outstanding Thesis Research and Presentation, Honors in College of Arts and Sciences.

*Employment:* Teaching Assistant for Introductory Environmental Studies.

## PROFESSIONAL EXPERIENCE

**Environmental Planner**, ~~XXXXXXXXXX~~, Lexington, MA July 1997-present

Provide ecological expertise to wide range of environmental permitting projects, particularly in the energy and public works sectors (e.g., generation plants, pipelines, roadway improvements and water works).

- Conduct wetland delineations and habitat assessments in the field. Prepare and submit Notices of Intent and Requests for Determination of Applicability under the Massachusetts Wetland Protection Act.
- Write wetlands and stormwater management components of Environmental Impact Reports under the Massachusetts Environmental Policy Act (MEPA).
- Develop Army Corps of Engineers 404 permit applications and DEP 401 Water Quality applications.
- Coordinate Conservation Commission site investigations; facilitate Conservation Commission hearings.
- Conduct site visits to assess land-use, community resources, and socio-economic characteristics of proposed development sites.

**Wetland Ecologist**, The Gilman Foundation, Yulee, FL 1996-1997

Designed and implemented a study of the ecological processes of a disturbed freshwater tidal marsh.

- Surveyed vegetative communities and identified distinct microhabitat types.
- Designed and instituted water level monitoring stations.
- Analyzed data using spatial statistics, GIS and remote sensing.
- Developed recommendations to guide future management of the wetland.

**GIS Teaching Assistant**, Duke University, Durham, NC Fall 1996, Spring 1997

Instructed 20 graduate students in the use of GIS technologies, including IDRISI, ArcInfo, and ArcView.

**Fisheries Management**, North Carolina Division of Parks and Recreation, Raleigh, NC. Fall 1996

Developed framework to guide the practice of fish stocking in North Carolina State Parks. Decision-making criteria involved water quality, endangered species, land use, and hunting and recreation interests.

**Endangered Species Consultant**, US Fish and Wildlife Service, Denver, CO September 1995-May 1996

**Conservation & Science Program Assistant**, American Zoo & Aquarium Association (AZA) Bethesda, MD 1993-1995

**Government Relations Intern**, National Audubon Society, Washington, DC Summers 1991 and 1992

References Available Upon Request



CITY OF CAMBRIDGE  
CAMBRIDGE, MASSACHUSETTS 02139

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10.

EXECUTIVE DEPARTMENT  
ROBERT W. HEALY  
City Manager

RICHARD C. ROSSI  
Deputy City Manager

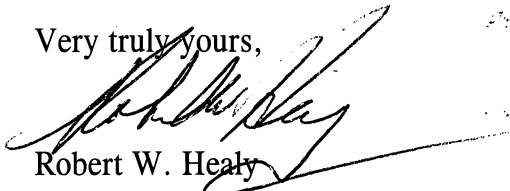
July 27, 1998

To The Honorable, The City Council:

I am hereby transmitting notification of the appointment of Julia M. Bowdoin, 105 Norfolk Street, Cambridge, as Director of the Conservation Commission, effective July 6, 1998.

Please find attached Ms. Bowdoin's resume for your information.

Very truly yours,



Robert W. Healy  
City Manager

RWH/mec  
Attachment

Consent Agenda #10

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Relative to the appointment of Julia  
Bowdoin, 105 Norfolk Street, Cambridge,  
as Director of the Conservation  
Commission effective 7/6/98.

In City Council July 27, 1998

**PLACED ON FILE**