

February 5, 2006

Robert W. Healy  
City of Cambridge  
795 Massachusetts Avenue  
Cambridge, MA 02139

Dear Robert W. Healy,

I am writing this letter in response to a request for a position with the Cambridge Conservation Commission. I have been a resident in Cambridge for a total of two years and am excited for this opportunity to become more involved with local environmental decision-making. My background is in water resources management/ watershed ecology and I believe that my higher educational and professional experiences in both the nonprofit and government arenas make me a strong candidate for this position.

After graduating from Tufts University in 1999, I worked with the Massachusetts Water Resources Authority (MWRA) collecting and analyzing water samples from Boston Harbor and its tributaries. With MWRA, I became more familiar with sewerage and stormwater issues threatening the health of the area's waterways, National Pollutant Discharge Elimination Systems (NPDES) permitting and compliance issues at the Deer Island treatment facility, and laboratory analysis methods for pollutant quantification. After successfully completing a masters program in environmental management from Duke University's Nicholas School of the Environment and Earth Sciences, I now hold a position with the Charles River Watershed Association (CRWA). With CRWA, I have been exposed to both urban and non-urban water quality and quantity issues threatening the health and sustainability of the Charles. I have worked on an EPA-funded project to research stormwater issues, bylaws and utilities in watershed towns in response to NPDES Phase II legislation. I have created web pages to provide information to local residents and municipalities to successfully comply with federal regulations. I am familiar with the Massachusetts Wetlands Protection Act as well as the Massachusetts Environmental Policy Act (MEPA) and have provided comments on water quality and quantity issues for projects under MEPA review. Throughout my career at CRWA, I will work with industry, developers, and municipalities to find economically viable solutions to environmental problems.

Upon further review of my resume, I hope that you will find me qualified for this position. I believe that I can be a thoughtful and rational contributor as a member of this committee. Please do not hesitate to call me with any further questions on my background. I look forward to speaking with you  
in person.

Sincerely,



David S. Kaplan  
Watershed Scientist  
Charles River Watershed Association

## DAVID S. KAPLAN

### EDUCATION

#### **MASTER OF ENVIRONMENTAL MANAGEMENT**, May 2004

Nicholas School of the Environment and Earth Sciences  
Duke University, Durham, NC.

#### **CERTIFICATE IN GEOSPATIAL ANALYSIS**, May 2004

*Master's project:* GIS-based source water assessment for North Carolina.

*Concentration:* Watershed ecology and management.

Courses in water resources planning, advanced GIS/remote sensing, watershed hydrology, land use policy, environmental policy analysis, wetlands ecology, limnology, landscape ecology, regression analysis and ecosystem management.

*Professional activities:* American Water Resources Association, Duke chapter, 2003

#### **BACHELOR OF SCIENCE**, May 1999

Tufts University, Medford, MA

*Double major:* Biology and Environmental Science.

*Ecological field study:* Hummingbird Cay, Bahamas, April 1998

*Senior research project:* Studied sexual behavior in red flour beetle *Tribolium castaneum* with associate professor of behavioral ecology, Dr. Sara Lewis.

### SKILLS

Proficient with ArcView, ERDAS Imagine, Microsoft Office applications.

Experienced in standard field and laboratory water quality analysis methods.

Experienced in technical writing and data analysis methods.

### PROFESSIONAL EXPERIENCE

#### **Watershed Scientist**, Charles River Watershed Association, Weston, MA

Managed and provided support work for CRWA projects including a volunteer-based monthly water quality monitoring program, stormwater education and outreach project, Total Maximum Daily Load project in the upper Charles River, Non-point source pollution "Find It and Fix It" project, Environmentally-Sensitive Urban Development project and Flagging program. Conducted GIS programming, analysis and mapping, water quality data analysis and report writing for aforementioned projects. Reviewed MEPA documentation and provided analysis and comments on possible project improvements. Conducted comprehensive macrophyte identification and mapping study for 10 impoundments in the Charles River. Coordinated and trained volunteers in EPA-approved water quality sampling methods. March 2005, present

#### **Parks Assistant**, Orange County Recreation and Parks Department, Hillsborough, NC.

Built and maintained hiking trails within Little River Regional Park in Durham and Orange Counties. Participated in organizing and assisting volunteers during weekend volunteer program. Executed invasive species removal projects, species surveys, and general land management activities. Operated motor vehicles, power tools and other land management-related equipment. Summer, 2004

#### **Volunteer Consultant**, Piedmont Land Conservancy, Greensboro, NC.

Assisted with surveys of potential compensatory mitigation sites for NC Ecosystem Enhancement program. Surveyed riparian corridors and created GIS maps highlighting features stipulated by EEP guidelines for project proposal. January, 2005-March, 2005

#### **Watershed Analyst**, Southern Appalachian Forest Coalition, Asheville, NC

Worked with project staff conserving roadless areas in National Forests. Researched the link between roadless area management and improved surface water quality in drinking watersheds of the Southern Appalachian forest region. Performed GIS-based analyses to identify potential threats to surface water quality. Collected and analyzed water quality data from municipal water treatment plants. Researched Forest Service roadless policy and compiled a bibliography of relevant scientific research on forest management practices and water quality. Summer 2003

**PROFESSIONAL  
EXPERIENCE  
CONTINUED****Water Quality Analyst**, Massachusetts Water Resources Authority, Winthrop, MA

Performed field and laboratory water quality monitoring and analyses on receiving waters including Boston Harbor and its tributaries. Analyzed samples for sewage-related bacteria, suspended solids, anionic surfactants and other water quality parameters using EPA-approved standard methods to insure compliance with their NPDES permit. Wrote weekly reports summarizing field conditions and laboratory results for management and mitigation purposes. Conducted field equipment maintenance and calibration, assisted with general administrative duties. 2000-2002

**Project Assistant**, Charles River Watershed Association, Waltham, MA

Collected and analyzed Charles River water samples for daily bacteria monitoring program. Maintained a public, on-line database of daily bacteria levels. Notified boathouses of potential violations of EPA safe swimming and boating standards. Summer 2000

**Research Assistant**, Physicians for Social Responsibility, Washington, DC

Primary researcher for *Death by Degrees* publication, addressing public health concerns associated with climate change in New Mexico. Lobbied Senators and Congresspeople to pass legislation consistent with the PSR mission statement. Coordinated press conferences and public meetings for the Environment and Health Initiative 2000

**Grant Manager**, National Fish and Wildlife Foundation, Washington, DC

Managed grants awarded to conservation programs and land management activities. Worked with grantees to facilitate program management throughout project stages. Maintained a database of grantee information and progress. 1999-2000

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February 7, 2006

Mr. Robert W. Healy  
City Manager, City of Cambridge  
795 Massachusetts Avenue  
Cambridge, Massachusetts 02139

RE: Cambridge Conservation Commission  
Current Vacancy

Dear Mr. Healy,

I am writing in regard to the News Release published by your office on December 7. I am very interested in serving as a member of the Cambridge Conservation Commission and would appreciate your consideration of my resume.

Currently, I am working as a Geologist for Roux Associates, Inc., an environmental consulting and management firm in Burlington, Massachusetts. I have managed several wetland restoration projects for Roux Associates, including preparation of Notices of Intent and Massachusetts Environmental Policy Act (MEPA) submittals. Beyond my career, I also have a personal interest in ecology and the environment. Assisting the City of Cambridge in protecting it's Wetland Resource Areas would be a wonderful way to utilize the skills I have developed through my career to protect the remaining beautiful open spaces of the City.

Please contact me at \_\_\_\_\_ if you require any additional information. Thank you.

Regards,

Lyndsey Colburn  
Project Geologist  
Roux Associates, Inc.

Enclosure (1)

**CERTIFICATIONS & CORE COMPETENCIES**

**CERTIFICATIONS:**

- OSHA 29 CFR 40  
Hour Safety Training - 2000
- OSHA 29 CFR 8  
Hour Annual Refresher - 2001-2005
- OSHA 29 CFR Confined Space Certified - 2002
- DOT 49 CFR HazMat Transportation Training - 2006

**CORE COMPETENCIES:**

- Litigation Support
- Review and interpretation of historical site data
- Groundwater and sediment data analysis
- Project compliance support with MCP and WPA
- Auditing remediation costs
- ASTM Phase I Site Investigations

**PROFESSIONAL EXPERIENCE**

Roux Associates, Inc. - Burlington, MA

(10/00 – present)

**STAFF GEOLOGIST:**

**ACCOMPLISHMENTS**

- Independently developed and implemented site investigation programs in compliance with Massachusetts Contingency Plan
  - Management of field programs
  - Budget & Finance preparation
  - Report submittals for the Massachusetts Department of Environmental Protection
- Evaluated analytical data and site operations information
  - Preparation of trial exhibits
  - Review of deposition text
  - Analysis of past and future remediation costs
  - Evaluated remedial investigation compliance with state and federal regulations
- Conducted ASTM Phase I Site Investigations for property transfers
  - Site inspections
  - Municipal and state file reviews
  - Evaluation of Recognized Environmental Conditions
- Created and maintained analytical databases for various remedial and litigation sites
- Design and implement emergency response remediation projects
  - Prepare Wetland Mitigation Plan and Notice of Intent
  - Design long-term site and wetland monitoring plan

**KEY PROJECTS**

**LITIGATION SUPPORT:**

- Major Mining Operation - Southeast Arizona
  - Analysis of historical site operations
  - Evaluation of site analytical data, laboratory reports, remediation costs, NCP and Arizona regulation compliance for Remedial Investigations and Feasibility Studies
  - Prepare Trial Exhibits
- Major Mining Operation - Northwest Montana
  - Analysis of historical mining operations
  - Review and interpretation of site analytical data and laboratory reports
  - Review and evaluation of remediation cost documentation
  - Analysis of government reports
- Transportation Site with Historical Petroleum Releases - Northern New Jersey
  - Interpretation of historical site data including petroleum product dating, review of remedial costs
  - Preparation of trial exhibits for subject site with multiple petroleum releases

**WETLAND REMEDIATION AND RESTORATION:**

- Former Chemical Manufacturing Facility - Middleborough, Massachusetts
  - Design post-remediation wetland restoration plan
  - Prepare Wetland Protection Act and Massachusetts Contingency Plan submittals
  - Prepare required Natural Heritage and Endangered Species submittals
- Emergency Response – Raynham, Massachusetts
  - Design post-remediation wetland restoration plan
  - Prepare Wetland Protection Act and Massachusetts Contingency Plan submittals

**MCP WASTE SITE CLEANUP:**

- Boston Engine Terminal - Somerville, Massachusetts
  - Oversight of installation of monitoring wells and soil borings
  - Interpretation of data for transportation site where historical releases have occurred
  - Preparation of submittals required under the MCP
- Public Beach - Wellesley, Massachusetts
  - Installation of monitoring wells and collection of sediment samples contaminated with mercury
- Various Petroleum Bulk Storage Sites
  - Management and planning of remediation program implementation
  - Interpretation of site groundwater, surface water and soil data

**EDUCATION**

- Boston College - Chestnut Hill, MA (09/96 - 05/00)
- Bachelor of Science in Environmental Geoscience
- University of Massachusetts - Lowell, MA (09/04-present)
- Graduate course work toward Master's Degree in Geology