



## Job Opening:

### **Streamflow Restoration Specialist- (16000805)**

MA Department of Fish and Game,  
Division of Ecological Restoration

**Posted 1/26/2017**

**This requisition will remain open until filled; however, first consideration will be given to those applicants that apply within the first 14 days.**

## Job Description

The Department of Fish & Game works to preserve the state's natural resources and people's right to conservation of those resources, as protected by Article 97 of the Massachusetts Constitution. To carry out this mission, the Department exercises responsibility over the Commonwealth's marine and freshwater habitats that support them.

The Division of Ecological Restoration works with community-based partners to restore aquatic ecosystems. The Division's ecological restoration work brings clean water, recreation opportunities, and other ecosystem services to the citizens of Massachusetts.

The Streamflow Restoration Specialist works with partners to gather and assess high quality data on streamflow and to promote and support restoration of more natural streamflow regimes and aquatic ecosystem health. This position will support the collection and analysis of streamflow data to inform sustainable water management and ecological restoration actions. Work will involve monitoring equipment installation and maintenance, field measurements, local outreach and education, volunteer coordination, technical and policy support, and data analysis and modeling. The Streamflow Restoration Specialist will also coordinate and manage holistic streamflow restoration projects, and provide technical assistance, such as monitoring support, to the Division of Ecological Restoration's river and wetland restoration projects.

This is anticipated to be a one-year contract position. The salary assumes 1800 hours over a period of a year with an added stipend in lieu of benefits of \$2.68/hour that has been included in the hourly rate.

Please submit / attach a cover letter expressing your interest in the position and your resume. These documents must be specifically attached to the requisition for which you are applying.

#### DETAILED STATEMENT OF DUTIES AND RESPONSIBILITIES

Serves as technical specialist for the Flow Restoration Program, assisting the Watershed Ecologist with or leading the following tasks as appropriate:

- Maintain existing streamgaging sites, including making streamflow measurements, downloading and maintaining water level loggers
- Coordinate and train volunteers to read staff gages and enter data online.
- Identify new streamgaging sites and install new staff gages and water level loggers.
- Analyze streamflow data to develop rating curves.
- Maintain technical equipment, databases, and website.
- Conduct data analysis, modeling, and interpretation to identify streamflow and watershed stressors and potential solutions
- Develop tools and methods to prioritize streams and watersheds for streamflow restoration
- Conduct outreach and provide technical support, data, and relevant information to watershed groups and municipal officials.
- Coordinate with local, state, and federal partners, consulting firms, and restoration project proponents on existing and new streamflow restoration projects; organize and facilitate meetings with local constituents, town officials and experts to help municipalities and watershed groups identify and mitigate streamflow stress and protect resources.
- Write grant proposals and develop grant budgets to support program initiatives.
- Support DER's wetland and river restoration projects, particularly with regard to streamflow aspects, through field work, technical assistance, data analysis, or other means as appropriate.
- Manage streamflow restoration priority projects; provide technical assistance and outreach on priority and pilot projects as well as outreach on streamflow restoration priorities statewide.
- Provide feedback and comments on documents, permits, projects and/or policies related to streamflow restoration.
- Collaborate with partners to advance streamflow restoration and river protection.
- Provide presentations or written material to advance stakeholder understanding of streamflow restoration.

#### QUALIFICATION REQUIRED AT HIRE

A bachelor's degree and scientific background in a field such as biology, geology, hydrology, environmental science, fisheries, water resources, or fluvial geomorphology. Proven understanding of the principles and practices of watershed ecology, freshwater hydrology,

environmental science, and aquatic ecosystem processes, structure, and function. Experience operating technical instruments and equipment used in measuring environmental conditions, including streamflow. Demonstrated ability to analyze environmental data, to draw conclusions and make appropriate recommendations. Ability to evaluate environmental policies and make policy recommendations. Ability to maintain accurate records, prepare and use charts, graphs and tables, write concisely, express thoughts clearly, and develop ideas in a logical sequence. Ability to work independently and as a team member.

#### QUALIFICATIONS ACQUIRED ON JOB

Knowledge of the policies, procedures, specifications, standards and guidelines governing assigned unit activities. Knowledge of the laws, policies, and regulations governing assigned unit activities.

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## Qualifications

#### MINIMUM ENTRANCE REQUIREMENTS

Applicants must have at least (A) three years of technical or professional experience in the field of watershed science, ecology, environmental science, biology, chemistry, earth science, geology or natural science, of which (B) at least one year must have been in a professional capacity, or (C) any equivalent combination of the required experience and the following substitutions.

Substitutions:

I. An Associate's degree with a major in the field of watershed science, ecology, environmental science, biology, chemistry, earth science, geology, natural science, may be substituted for a maximum of one year of the required (A) experience.\*

II. A Bachelor's degree with a major in the field of environmental science, biology, chemistry, earth science, geology, or natural science, may be substituted for a maximum of two years of the required (A) experience.\*

III. A Graduate degree with a major in watershed science, ecology, environmental science, biology, chemistry, earth science, geology or natural science, may be substituted for the required experience.\*

#### PREFERRED QUALIFICATIONS

- A masters degree and scientific background in a field such as biology, geology,

- hydrology, environmental science, fisheries, water resources, or fluvial geomorphology.
- Ability to communicate scientific concepts to the general public.
  - Experience with field monitoring; streamflow monitoring and rating curve development.
  - Experience working on challenging natural resource issues with multiple stakeholders (e.g., the public, local planning boards and commissions, state and federal agencies).
  - Experience in making presentations, facilitating public meetings, and providing training.
  - Experience with environmental data analysis, interpretation and modeling
  - Understanding of water management issues such as instream flow, water allocation, conservation measures, and stormwater management; ability to relate these topics to observations made in the field.
  - Knowledge of and experience with Massachusetts watersheds and natural resources.
  - Ability to work independently, with initiative, and to work as a member of a team.
  - Strong interpersonal and oral and written communication skills.
  - Excellent all-around computer skills with an emphasis on data management and use of GIS software, as well as full competency with MS Office
  - Willingness to travel to various locations statewide for field work and meetings, including occasional evenings and weekends.
  - Willingness to work outside in most weather conditions, wade in rivers up to waist deep, and use and maintain technical equipment.

#### LICENSE AND/OR CERTIFICATION REQUIREMENTS

Current and valid drivers license from the state in which you reside.

**An Equal Opportunity/Affirmative Action Employer. Females, minorities, veterans, and persons with disabilities are strongly encouraged to apply.**

**Official Title:** Scientists

**Primary Location:** United States-Massachusetts-Boston - 251 Causeway Street

**Job:** Science

**Agency:** Department of Fish And Game

**Schedule:** Full-time

**Shift:** Day

**Job Posting:** Jan 26, 2017, 2:38:04 PM

**Number of Openings:** 1

**Salary:** 33.43 - 38.13 Hourly

**Bargaining Unit:** Non

If you have Diversity, Affirmative Action or Equal Employment Opportunity questions or need a Reasonable Accommodation, please contact Diversity Officer / ADA Coordinator: Johanna M. Zabriskie - 617-626-1599

**Apply Online at:**

<https://massanf.taleo.net/careersection/ex/jobdetail.ftl?job=16000805>