

# **Partnership for the Delaware Estuary**

## **JOB DESCRIPTION**

### **GENERAL DESCRIPTION**

The Science Fellow assists with field, lab and office tasks associated with diverse science and monitoring programs, such as in wetland assessments, freshwater mussel tasks, and living shoreline monitoring. The Science Fellow also provides assistance in performing data entry, organization, analysis and meeting support for diverse research projects at PDE and with PDE's project partners.

### **JOB FUNCTION**

1. Assists with the development and assessment of shellfish based projects. Participates in:
  - Designing and creating freshwater mussel-based public exhibits.
  - Fostering the rearing of juvenile shellfish.
  - Measuring shellfish filtration capacity in support of physiological rate function experiments
  - Planning the development of a freshwater mussel hatchery.
  - Facilitating of fieldwork related to determining shellfish population densities and extents in fresh and salt water habitats.
  
2. Assists with living shoreline development and monitoring. Participates in:
  - Collecting geospatial survey data for the development of living shoreline conceptual designs.
  - Installing of new living shoreline treatments.
  - Monitoring of existing living shoreline projects.
  - Supporting the development of decision making tools for the implementation of ecologically-based projects, including research and development.
  - Processing and analyzing data related to the enhancement of shellfish recruitment in living shorelines.
  
3. Assists in conducting field assessments of tidal wetland condition and monitoring. Participates in:
  - Taking field measurements of biological, chemical and physical conditions using standardized methodology to characterize wetland health, function and stressors, and translating results into wetland best management practices.
  - Completing related office tasks such as data entry, analysis, reporting and attending/organizing meetings.
  
4. Assists PDE staff with other research and restoration projects, technical meetings and outreach programs, as requested.

## **REQUIRED SKILLS & EXPERIENCE**

1. Bachelor's degree from an accredited college in a life or environmental science field.
2. 1 year of work experience, including field experience.
3. 1 year of experience using GIS for detailed analyses.
4. 1 year of experience conducting statistical analysis for data reporting.
5. Knowledge of and experience in monitoring and scientific research studies.
6. General understanding of environmental sciences and ecology, Experience working in wetland and coastal habitats and working knowledge of mid-Atlantic vegetation.
7. Detailed knowledge of native fresh, brackish, and saltwater fauna and flora of the Delaware Estuary.
8. Ability to work cooperatively on a team and independently on field, office and data tasks.
9. High level of safety awareness.
10. Excellent written/oral communication skills, including technical writing experience (reports or publications).
11. Knowledge of Microsoft Office suite, and data entry and analysis.
12. Valid United States driver's license.

## **WORKING CONDITIONS**

Time spent in this position will be split between being in an office and outdoors (in and along the shoreline and wetlands, river and creeks of the estuary). Occasionally, there will be tasks completed in a storage/warehouse facility. Work hours may shift dependent on the tides or project assignment. Occasionally, there will be a need to work long hours or on a weekend day.

## **PHYSICAL REQUIREMENTS**

The incumbent should be able to lift 50 pounds. The incumbent should be able to sit and stand for at least 5 hours at a time.

## **Science Fellow**

The Partnership for the Delaware Estuary (PDE), a regional environmental nonprofit organization based in Wilmington, Delaware, is seeking to fill the position of Science Fellow, a exempt regular employee, to aid in its scientific and restoration initiatives including research, monitoring, and habitat enhancement projects. The Science Fellow will assist in ongoing coastal monitoring throughout the Delaware Estuary, and provide field support for various other PDE scientific programs. The Science Fellow needs to have experience in GIS analysis tools and statistical analysis for reporting. Applicants should also be familiar with Delaware Estuary ecology, scientific research, field work, GIS, and data analysis. A more detailed

description is attached. This is a full time regular non-exempt position with benefits, which is paid an hourly rate of \$17.

Interested applicants are encouraged to submit a cover letter and resume by close of business **March 16th, 2018**, to: Partnership for the Delaware Estuary, 110 South Poplar Street, Suite 202, Wilmington, DE 19801; by fax to (302) 655-4991; or by e-mail to [apadeletti@delawareestuary.org](mailto:apadeletti@delawareestuary.org).

Partnership for the Delaware Estuary is an equal Opportunity Employer. Qualified persons are encouraged to apply regardless of religious affiliation, race, age, sex, gender identity, sexual orientation, disability or any category that becomes protected by federal labor law. Candidates must be able to work legally in the United States.