



Salt Marsh Monitoring Intern 2021

Position Title: Salt Marsh Monitoring Intern
Program: Casco Bay Estuary Partnership
Division: Cutler Institute, University of Southern Maine (USM)
Location: Primarily in Brunswick and Harpswell (field work); 34 Bedford Street, Portland (office work, with potential for remote work); Other locations (field work) as needs dictate
Schedule: Part-time; Temporary; Seasonal; 20-25 hrs/week average; Flexible hours based on tides
Employment Period: Target start date May 1 - May 15, target end date August 31 - September 15
Salary: \$15 per hour; Mileage reimbursement
Supervisor: Matt Craig, Habitat Program Manager, 207-420-7673 (c), matthew.craig@maine.edu

About CBEP: Casco Bay Estuary Partnership (CBEP) works to protect and restore the water quality and fish and wildlife habitat of Maine's Casco Bay ecosystem, while ensuring compatible human uses. The partnership is made up of municipal officials, state and federal agencies, non-governmental organizations, local businesses, and interested citizens. CBEP's work is driven by the Casco Bay Plan, which was revised in 2016. The current priority actions in the watershed are: protecting and restoring fish and wildlife habitats; improving water quality; and promoting informed and responsible stewardship. In addition, the marine environment of Casco Bay is changing due to a combination of forces including changing regional climate, ocean acidification, invasive species and coastal development, and the Partnership will be involved in developing responses to these changes. Environmental monitoring supports CBEP's work and tracks progress. CBEP is hosted by USM.

Internship Description: The internship will focus on: 1) monitoring of tidal marshes and response to past tidal restoration projects, 2) assessment of other tidal marshes, and 3) support for assessment of "living shoreline" demonstration sites in Casco Bay. This monitoring will include field work using equipment, and office work doing data entry. The intern will work with both CBEP staff and partner collaborators. Training will be provided by CBEP. One or two positions will be filled.

Job Responsibilities:

- Planning and organizing field work days
- Coordination of field work with staff and collaborators, and around tides
- Data collection and accurate recording
- Data entry of information
- Data quality assurance
- Documentation of monitoring, including photos and reports
- Meeting with CBEP staff as needed
- Related duties as assigned

Working Conditions:

- Daily schedule to be determined with intern, but typically occurs between 8:00 a.m. to 6:00 p.m. Some flexibility is needed to accommodate field work at low tide.

- Required to work occasionally in adverse conditions, including insects and bad weather like heat and humidity.
- Required to perform work, including carrying equipment, in water-based field activities, especially on or adjacent to coastal wetlands and tidal creeks.
- Required to perform work adjacent to roads.

Knowledge, Skills and Abilities:

- Ability to self-motivate, set priorities, work independently with initiative, and complete tasks carefully and accurately with limited direct supervision.
- Ability to fully participate in field-based sampling activities.
- Knowledge of biology, ecology and geography of Maine coast, particularly tidal wetlands, preferred.
- Good organizational skills.
- Physical strength and stamina adequate for carrying equipment and spending long hours conducting field work in difficult conditions.
- Ability to schedule and organize field activities with supervisor, CBEP staff, and student monitoring team member. Reliability.
- Proficiency in written and oral communication.
- Ability to represent CBEP with professionalism while working with others and in the field.

Qualifications:

Required:

- Previous college level course work in wetland ecology, marine science, botany, biology, geology, hydrology, environmental science or related resource management fields.
- Skill in using personal computers and various software applications.
- Ability to work unsupervised in varying outdoor conditions.
- Must have valid driver's license, proof of insurance, and reliable transportation on a daily basis and the ability to transport field equipment, by the start of the position. Retention of position may be dependent on having valid driver's license, insurance, and reliable transportation. Work-related travel will be reimbursed at rates specified by the University of Maine system.

Preferred:

- Experience in scientific field work.
- Experience working with data sets in Microsoft Excel.
- Competency in GIS and/or related geospatial applications.

How to Apply:

Deadline: Position open until filled

Materials to submit:

- Cover letter detailing your interest and qualifications
- Resume
- At least two references
- List of relevant coursework or a transcript (unofficial copy is acceptable)

Send as Word documents or PDFs to: matthew.craig@maine.edu

Interviews: May be requested by either CBEP or candidate

USM is an EEO/AA employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, age, disability, protected veteran status, or any other characteristic protected by law.