



Lake Monitoring and Management Intern

Location

Teatown is a non-profit 1,000 acre nature preserve and education center located in Westchester County, NY that hosts over 20,000 visitors annually. We host a variety of education programs for all ages and provide valuable recreational opportunities across 15 miles of hiking trails.

Overview

Are you looking to get your feet wet in the field of aquatic ecology? Spend the summer with on Teatown's Stewardship team as the Lake Monitoring and Management Intern! This internship consists of managing Teatown Lake's Floating Wetland Project, aquatic vegetation (invasive species focused) and zooplankton surveys as well as water quality monitoring of Teatown's three lakes. The intern will report to the Aquatic Programs Coordinator. This is an ideal position for college students on summer break and is a part-time, seasonal position from mid-May – late September (18 weeks, start date flexible). Interns will work 15-20 hours/per week, not to exceed 350 total hours. Days of the week can be flexible, but some weekend work will be required.

Job Duties Include:

Lake Monitoring and Management

1. Plan, implement, and manage the Teatown Lake Floating Wetlands Project, a pilot program to monitor and control nutrient levels using engineered wetlands
 - Conduct monthly submersed aquatic vegetation surveys (SAV) on Vernay Lake and Shadow Lake via kayak using a standardized survey protocol (rake toss, point-intercept method)
 - Collect and identify zooplankton using a plankton tow
 - Take weekly water quality measurements, including turbidity, pH, dissolved oxygen, and phosphorous and nitrogen concentrations, on Teatown Lake
 - Manually remove invasive water chestnut from Teatown Lake
 - Monitor lakes for signs of harmful algal blooms, collect and identify suspicious water samples
 - Assist in vegetative buffer plantings around Teatown Lake, as needed

Education and Outreach

- Lead public educational program(s) focused on Floating Wetland Project
- Assist Aquatic Programs Coordinator with volunteer survey trainings and workshops
- Teach 1 Basic Aquatic Invasive Species Identification workshop

Qualifications

- High school diploma (18+) and some college experience (preferred)
- Experience with research (literature review)
- Experience working independently and comfortable working alone
- Ability to remain positive in adverse environmental conditions
- Willingness to hike easy-moderate terrain
- Strong desire to advance in the field of aquatic sciences
- Comfortable around wildlife and insect encounters, including snakes, spiders, bees/wasps, and crayfish
- Comfortable engaging strangers/the public

Pay: \$17/hr (Full stipend \$6,000). Local applicants only, no housing provided

Please email any questions to Aquatic Programs Coordinator Lindsay Yoder at lyoder@teatown.org