



**Adam J. Finkle B.S., M.S.**  
**Coastal Scientist**

**Expertise**

Habitat restoration, coastal bank stabilization, beach renourishment, wetland delineation, coastal resource area delineation, native plant identification, coastal plant community dynamics, invasive plant management, implementation of green infrastructure, implementation of coastal bioengineering, construction management, ecological restoration project management.

**Education**

M.S., Sustainability Science –  
2012 University of  
Massachusetts Amherst  
B.S., Biology – 2009 Siena  
College

**Professional Affiliations and  
Certifications**

The American Society of  
Adaptation Professionals (ASAP)  
Massachusetts Certified Invasive  
Plant Manager  
Massachusetts Licensed  
Herbicide Applicator  
OSHA 10-Hour Training  
Massachusetts Hoisting Engineer  
Rhode Island Hoisting Engineer  
PADI Scuba Certification

**Publications:**

4

**Work Experience**

2016 – Present Coastal Scientist, Woods Hole Group, Inc.  
2015 – 2016 Assistant Restoration Manager, SumCo Eco Contracting  
2013 – 2015 Environmental Technician, Wilkinson Ecological Design  
2010 – 2013 Research Assistant and Collaborator, The Ohio State  
University  
2009 – 2011 Teacher – Naturalist, National Environmental Education  
Development Collaborative

**Qualification Summary**

- 7 years of experience in the coastal sciences.
- Implementation of large-scale ecological restoration and coastal resiliency projects throughout New England.
- Implementation of coastal bank stabilization and beach renourishment projects.
- Construction site supervision and project management to ensure client satisfaction with project deliverables.
- Identification and delineation of freshwater and coastal wetland plant communities.
- Identification and delineation of coastal resource areas.
- Development and implementation of invasive plant management plans.
- Collaboration with project engineers, consulting teams, state and municipal officials.

## Key Projects

### **Lighthouse Pond Restoration Project, Edgartown, MA**

Performed wetland and resource area delineations to assist in the development of an ecological restoration plan for Lighthouse Point Pond in Edgartown, MA. The proposed plan would include targeted dredging of infilled sections of the pond, renourishment of the seaward barrier beach, and restoration of aquatic vegetation bordering the pond. Restoration measures would help to mitigate the loss of open water habitat while removing excess nitrogen from the system, improving water quality, and preserving salt marsh habitat.

### **Cow Bay Bridge, Edgartown, MA**

Developed recommendations to guide ecological restoration following the proposed reconstruction of the Cow Bay Bridge in Edgartown, MA. Recommendations included biodegradable solutions for erosion control, reestablishment of coastal plant communities to enhance biodiversity and support native wildlife, implementation of engineered wetland soils to facilitate the establishment of native vegetation, and effective management of invasive species.

### **Breakwater Landing Coastal Resiliency and Habitat Restoration Project, Brewster, MA**

Facilitated the implementation of the Town of Brewster Breakwater Landing Coastal Resiliency Project. Removed and relocated 30 parking spaces to a less vulnerable location, reconstructed, renourished and restored 19-foot coastal dune, constructed dry swales and bio-retention areas to mitigate flood waters, implemented native plantings to enhance coastal resource areas.

### **Improvements to Allandale Woods, West Roxbury, MA**

Lead Boston Parks and Recreation effort to improve pedestrian access, storm water management, native plant diversity, and trail conditions at Allandale Woods, a 101-acre Urban Wild conservation area located in Boston's West Roxbury neighborhood.

### **Muddy River Flood Risk Management and Environmental Restoration Project, Boston, MA**

Implemented a geo-cell system to provide steep slope and channel wall stabilization for the Muddy River Restoration Project. Supervised and assisted in the restoration of historic, native plant communities throughout the project area.

### **Port Norfolk Remediation and Restoration, Dorchester, MA**

Oversaw the implementation of native herbaceous and salt marsh restoration plantings as part of \$4.25 million DCR-funded remediation and salt marsh restoration of a 14-acre Neponset River industrial site.

## Publications

Landry, C.L., N.B. Elliott, A.J. Finkle, L.B. Kass. 2013. Plant-Pollinator Interactions in Bahamian Coastal Communities. *Caribbean Naturalist*.

Finkle, A.F. 2013. Understanding Toxic Plant Exposure. *Outer Cape Environmental Awareness Newsletter*.

Landry, C.L., N.B. Elliott, A.J. Finkle, L.B. Kass. 2012. Pollinator Networks- What's the Buzz? Understanding Coastal Community Dynamics on San Salvador Island, Bahamas. *Proceedings of the 14th Symposium on the Natural History of the Bahamas*.

Finkle, A.F., N.B. Elliott. 2011. Status of Endemic *S. plumieri* and invasive *S. taccada* on San Salvador Island, Bahamas. *Proceedings of the 13th Symposium on the Natural History of the Bahamas*.