



Massachusetts Endangered Species Act Permitting

Independence Drive, Hyannis, Massachusetts

Horsley Witten Group, Inc. (HW) was contracted by a private developer to assist in addressing rare species habitat designations on a 12.8-acre site in Hyannis, Massachusetts. The entire property was mapped as Priority Habitat of Rare Species and Estimated Habitat of Rare Wildlife and Certified Vernal Pools by the Massachusetts Natural Heritage and Endangered Species Program (NHESP). These habitat designations required additional review and permitting under the Massachusetts Endangered Species Act (M.G.L. Ch. 131A) or MESA. NHESP identified 12 State-listed rare species occurring within this site including two Odonate (dragonfly/damselfly) species, two moths, and eight plant species:

<u>Scientific name</u>	<u>Common Name</u>	<u>Taxonomic Group</u>	<u>State Status</u>
<i>Enallagma recuvatum</i>	Pine Barrens Bluet	Damselfly	Threatened
<i>Anax longipes</i>	Comet Darner	Dragonfly	Special Concern
<i>Papaipema sulphurata</i>	Water-willow Stem Borer	Moth	Threatened
<i>Hemileuca maia</i>	Barrens Buckmoth	Moth	Special Concern
<i>Lachanthes caroliana</i>	Redroot	Plant	Special Concern
<i>Sabatia campanulata</i>	Slender Marsh Pink	Plant	Endangered
<i>Rhynchospora torreyana</i>	Torrey's Beak-sedge	Plant	Endangered
<i>Sabatia kennedyana</i>	Plymouth Gentian	Plant	Special Concern
<i>Polygonum puritanorum</i>	Pondshore Knotweed	Plant	Special Concern
<i>Amelanchier nantucketensis</i>	Nantucket Shadbush	Plant	Special Concern
<i>Rhynchospora scirpoides</i>	Long-beaked bald sedge	Plant	Special Concern
<i>Dichanthelium wrightianum</i>	Wright's Panic-grass	Plant	Special Concern

While the proposed warehouse facility was sited closest to the roadway and as far as possible from the more sensitive Coastal Plain Pond communities, proposed activities had the potential for resulting in a "Take" of certain State-listed species, specifically Barrens Buckmoth and Nantucket Shadbush.

HW assisted the Client in the permitting process through MESA and the Cape Cod Commission, a regional regulatory agency charged with protecting the natural and cultural resources of Cape Cod. Services included performing a site assessment to quantify the existing vegetative communities and to identify potential habitat features within the project footprint. The results of our habitat surveys revealed that the specific habitat requirements for these two species were not within the project footprint.

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