

ECR

Environmental Consulting & Restoration, LLC



SPECIES CATALOG MEMO

TO: Morse Engineering Company
FROM: Brad Holmes
DATE: August 29, 2025
RE: 33 Cliff Road, Hingham

Per your request, Environmental Consulting & Restoration, LLC (ECR) performed a review of the existing conditions and plant species present within the proposed mitigation area located at 33 Cliff Road in Hingham (the site) on August 26, 2025. The purpose of the review was to identify and flag the trees within the Proposed Mitigation Area and catalog the remaining plant species within this area. The mitigation area is proposed within the northwestern portion of the site, which consists of an overgrown unmaintained yard area associated with the house at the site.

ECR noted the following tree species within the Mitigation Area onsite with corresponding flagging (pink & black striped ribbon) as follows:

Tree Number	Common Name	Scientific Name	Size
#1	Black Oak	<i>Quercus velutina</i>	6"
#2	Eastern Red Cedar	<i>Juniperus virginiana</i>	12"
#3	Black Oak	<i>Quercus velutina</i>	6"
#4	Black Cherry	<i>Prunus serotina</i>	12"
#5	Eastern Red Cedar	<i>Juniperus virginiana</i>	Sapling

The remaining shrub, herbaceous, and vine layers within the proposed Mitigation Area consist of a mix of native and non-native invasive species, such as the following:

Common Reed (*Phragmites australis*), Bittersweet (*Celastrus orbiculatus*), Tree of Heaven (*Ailanthus altissima*), Goldenrod (*Solidago spp.*), Sedges (*Carex spp.*), Virginia Creeper (*Parthenocissus quinquefolia*), Pignut Hickory (*Carya glabra*), Autumn Olive (*Elaeagnus umbellata*), Grape Vine (*Vitis labrusca*), Poison Ivy (*Toxicodendron radicans*), Black Oak (*Quercus velutina*), Sassafras (*Sassafras albidum*), Chicory (*Cichorium intybus*), and Queen Anne's Lace (*Daucus carota*).

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ECR recommends that a botanist flag the non-native invasive plants within the mitigation area so that these plants could be removed from the area. Upon removal, the cut stems of the plants should be treated with herbicide by a licensed herbicide applicator to prevent stump sprouting. Mitigation planting as proposed on the landscape plan would follow upon removal of the invasive plants.

Upon review of this memo, please contact me at (617) 529-3792 or brad@ecrwetlands.com with any questions or requests for additional information.