



VOSBURGH SWAMP SCOUTING 2019:

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Introduction: In May of 2019, the Terrestrial Invasive Species Coordinator, Spencer Barrett, worked with two interns, from Siena College, to look for early detection invasive species throughout the Capital-Mohawk PRISM. The Siena interns, Anna Kuhne and Kelsey Stevens, focused on terrestrial invasive plant surveys at highly susceptible and valuable habitats throughout the PRISM region. The following is an abridged summary of some of the findings of the survey throughout Vosburgh Swamp as well as recommendations for future invasive species related endeavors for the various affected stakeholders. The PRISM works throughout 11 counties around the Capital Region to detect, prevent, and control invasive species.

Project Description: Invasive terrestrial plant survey conducted over the course of two years to track changes in species present and densities.

Dates: May 30th, 2019

Participants: Scenic Hudson, Capital/Mohawk PRISM

Point of Contact: Scenic Hudson, NYS DEC

County: Greene

Locations and Species Identified:

Vosburgh Swamp (New York State Department of Environmental Conservation): Terrestrial invasive plant species were surveyed throughout the site by foot. The records taken included plant species, GPS coordinates, surface area covered by the plant(s), and the percent cover of the identified plant(s). About 150 records were recorded at this site over the course of two days.

Invasive Species Present at Vosburgh Swamp (5/30/19):

Common Name	Scientific Name	Locations (GPS)	Growth Type	Phenology
Japanese Barberry	<i>Berberis thunbergii</i>	Lat: 42.30989 Long: -73.78702	Shrub	Budding
Oriental Bittersweet	<i>Celastrus orbiculatus</i>	Lat: 42.30936 Long: -73.78742	Vine	Budding
Black Locust	<i>Robinia pseudoacacia</i>	Lat: 42.3119 Long: -73.78624	Tree	Vegetative
Honeysuckle (Species Unknown)	<i>Lonicera spp (species unknown)</i>	Lat: 42.30873 Long: -73.78652	Shrub	Immature Fruit
Autumn Olive	<i>Elaeagnus umbellata</i>	Lat: 42.30815 Long: -73.7851	Shrub	Flowering

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Multiflora Rose	<i>Rosa multiflora</i>	Lat: 42.31152 Long: -73.78632	Shrub	Vegetative
European Barberry	<i>Berberis vulgaris</i>	Lat: 42.31086 Long: -73.78665	Shrub	Vegetative
European Alder	<i>Alnus glutinosa</i>	Lat: 42.30987 Long: -73.78708	Tree	Vegetative
Black Swallow-wort	<i>Vincetoxicum louiseae</i>	Lat: 42.30881 Long: -73.78642	Herbaceous	Budding/Flowering
Ground Ivy	<i>Glechoma hederacea</i>	Lat: 42.30778 Long: -73.78641	Vine	Flowering
Dame's Rocket	<i>Hesperis matronalis</i>	Lat: 42.30932 Long: -73.78738	Herbaceous	Flowering
Yellow Iris	<i>Iris pseudacorus</i>	Lat: 42.30979 Long: -73.78703	Herbaceous	Flowering
Privet (Species Unknown)	<i>Ligustrum spp. (species unknown)</i>	Lat: 42.30932 Long: -73.78741	Shrub	Vegetative
Moneywort	<i>Lysimachia nummularia</i>	Lat: 42.30934 Long: -73.78755	Herbaceous	Vegetative
Purple Loosestrife	<i>Lythrum salicaria</i>	Lat: 42.30931 Long: -73.7876	Herbaceous	Vegetative
Japanese Stiltgrass	<i>Microstegium vimineum</i>	Lat: 42.3069 Long: -73.78603	Herbaceous	Vegetative
White Mulberry	<i>Morus alba</i>	Lat: 42.30809 Long: -73.78523	Shrub	Vegetative
Norway Maple	<i>Acer platanoides</i>	Lat: 42.31029 Long: -73.78688	Tree	Vegetative
Emerald Ash Borer	<i>Agrilus planipennis</i>	Lat: 42.30677 Long: -73.78687	Insect	Unknown
Garlic Mustard	<i>Alliaria petiolata</i>	Lat: 42.30929 Long: -73.78758	Herbaceous	Budding/Flowering
Mugwort	<i>Artemisia vulgaris var. vulgaris</i>	Lat: 42.31319 Long: -73.78606	Herbaceous	Vegetative
Narrowleaf Bittercress	<i>Cardamine impatiens</i>	Lat: 42.30972 Long: -73.78703	Herbaceous	Flowering
Canada Thistle	<i>Cirsium arvense</i>	Lat: 42.30808 Long: -73.78523	Herbaceous	Vegetative
Pale Swallow-wort	<i>Vincetoxicum rossicum</i>	Lat: 42.30834 Long: -73.78645	Herbaceous	Flowering
Swallowwort (species unknown)	<i>Vincetoxicum spp. (species unknown)</i>	Lat: 42.31227 Long: -73.78609	Herbaceous	Flowering
Phragmites (Common Reed)	<i>Phragmites australis ssp. australis</i>	Lat: 42.31022 Long: -73.78695	Herbaceous	Vegetative

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Japanese Knotweed	<i>Polygonum cuspidatum</i>	Lat: 42.31225 Long: -73.78612	Herbaceous	Vegetative
Common Buckthorn	<i>Rhamnus cathartica</i>	Lat: 42.30996 Long: -73.78698	Shrub	Vegetative
Wineberry	<i>Rubus pheonicolasius</i>	Lat: 42.30789 Long: -73.78639	Herbaceous	Flowering
Siberian Elm	<i>Ulmus pumila</i>	Lat: 42.31322 Long: -73.78614	Tree	Flowering
Common Periwinkle	<i>Vinca minor</i>	Lat: 42.30942 Long: -73.78726	Herbaceous	Flowering

Dominant Native Plants: Sugar Maple, Willow spp., Cattails, Oak spp.

Native Community Types: Swamp

Treatment Method: Not Applicable.

Summary of Work Completed:

1. Terrestrial invasive plant identification and survey from southern entrance to boardwalk and bird blind both on marked paths and on roadsides.

Recommendations for the Future: Management and eradication of terrestrial invasive species such as yellow iris, black swallow-wart, and pale swallow-wart, with long-term monitoring of at least five years after removal.

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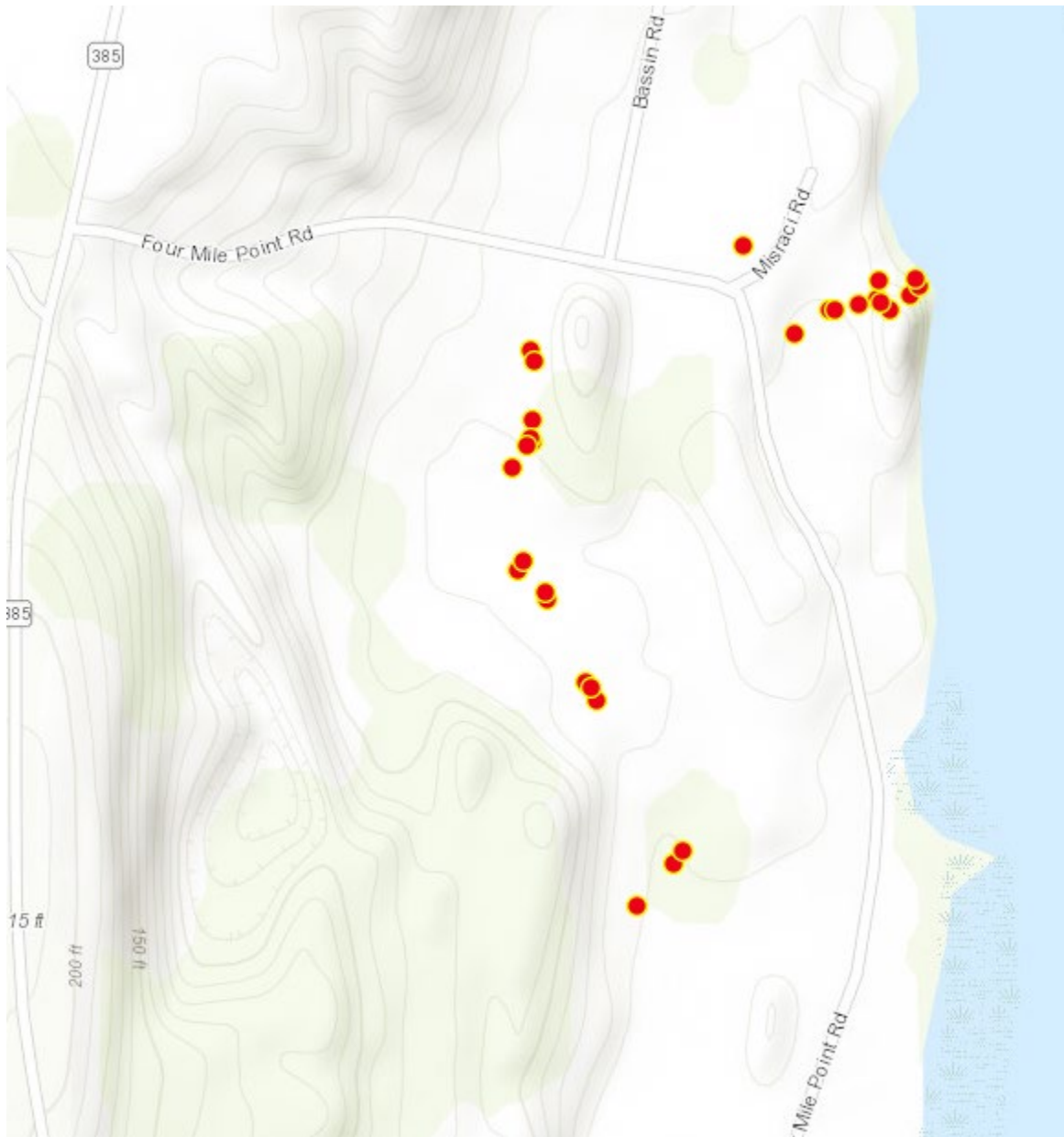


Figure 1: Invasive species identified in 2018 at the northernmost portion of Vossburgh Swamp. Similar species were found in the southern portion and along Four Mile Point Road.

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Figure 2: Invasive species identified in 2019 at Vossburgh Swamp. Surveying mostly was focused around the southern entrance to the property as well as on Four Mile Point road where it transects land owned by the state.

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Fig 3. Dames Rocket at Vosburgh Swamp

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