



MOREAU LAKE STATE PARK INVASIVE SPECIES SURVEY 2019:

Anna Kuhne, and Kelsey Stevens

Introduction: In July of 2019, the Terrestrial Invasive Species interns, from Siena College went 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 Moreau Lake State Park. The PRISM works throughout 11 counties around the capital region to detect, prevent, and control invasive species.

Project Description: Surveying terrestrial invasive plants in the park

Dates: June 9th, 2019

Participants: Capital Mohawk Prism, Cornell Cooperative Extension, and NYS DEC

Point of Contact: [\(518\) 793-0511](tel:5187930511)

County: Saratoga County

Locations and Species Identified:

Moreau Lake State Park ([\(518\) 793-0511](tel:5187930511)): Scouting was done at the parking lots, campsites, and roadsides surrounding Moreau Lake

Invasive Species Present at Moreau Lake State Park: This table presents species that have been identified in the area in the past and present including both terrestrial and aquatic invasive species.

Common Name	Scientific Name	Locations (GPS)	Growth Type	Phenology
Common Reed	<i>Phragmites australis</i>	43.22702 -73.71087	Herbaceous	Vegetative
Norway Maple	<i>Acer platanoides</i>	43.22762 -73.71018	Tree	Vegetative
Japanese Barberry	<i>Berberis thunbergii</i>	43.22984 -73.70655	Shrub	Vegetative
Oriental Bittersweet	<i>Celastrus orbiculatus</i>	43.23382 -73.71549	Vine	Vegetative
Honeysuckle	<i>Lonicera spp</i>	43.22707 -73.71064	Shrub	In Seed
Garlic Mustard	<i>Alliaria petiolate</i>	43.22519 -73.7044	Herbaceous	In Seed
Mugwort	<i>Artemisia vulgaris var. vulgaris</i>	43.22669 -73.70838	Herbaceous	Vegetative
Chinese Mystery Snail	<i>Cipangopaludina chinensis</i>	43.227733 -73.71264	Animal	N/A

The New York State Department of Environmental Conservation provides financial support to The Capital Mohawk PRISM via the Environmental Protection Fund.



Crown vetch	<i>Coronilla varia</i>	43.22995 -73.71553	Herbaceous	Flowering
Autumn Olive	<i>Elaeagnus Umbellata</i>	43.23929 -73.70802	Shrub	Vegetative
Burning Bush	<i>Euonumus alatus</i>	43.2322 -73.71469	Shrub	Vegetative
Purple Loosestrife	<i>Lythrum salicaria</i>	43.22694 -73.7109	Herbaceous	Vegetative
Eurasian Water-milfoil	<i>Myriophyllum spicatum</i>	43.23124 -73.71195	Aquatic	Vegetative
Reed Canarygrass	<i>Phalaris arundinacea</i>	43.24627 -73.71006	Herbaceous	Vegetative
Japanese Knotweed	<i>Reynoutria japonica</i>	43.2251 -73.70447	Herbaceous	Vegetative
Common Buckthorn	<i>Rhamnus cathartica</i>	43.23354 -73.71527	Herbaceous	Vegetative
Black Locust	<i>Robinia pseudoacacia</i>	43.23897 -73.70726	Herbaceous	Vegetative
Multiflora Rose	<i>Rosa multiflora</i>	43.2336 -73.70581	Shrub	Vegetative
Climbing Nightshade	<i>Solanum dulcamara</i>	43.23647 -73.70914	Vine	Flowering (Found in August 2018)
Tufted Vetch	<i>Vicia cracca</i>	43.24627 -73.71006	Herbaceous	Flowering (Found in August 2018)
Common Periwinkle	<i>Vinca Minor</i>	43.23104 -73.71525	Herbaceous	Vegetative
Wisteria	<i>Wisteria spp</i>	43.22615 -73.70819	Vine	Vegetative
Crown Vetch	<i>Coronilla varia</i>	43.22704 -73.70857	Herbaceous	Flowering
Common St. Johnswort	<i>Hypericum perforatum</i>	43.23372 -73.71567	Herbaceous	Flowering
Birdfoot Deervetch	<i>Lotus coriculatus</i>	43.2338 -73.71427	Herbaceous	Flowering
Creeping Jenny; Moneywort	<i>Lysimachia nummularia</i>	43.22809 -73.70858	Herbaceous	Vegetative
Japanese Stiltgrass	<i>Microstegium vimineum</i>	43.22693 -73.71074	Herbaceous	Vegetative
White Poplar	<i>Populous alba</i>	43.22809 -73.71446	Tree	Vegetative
Showy Vetch	<i>Vicia grandiflora</i>	43.22965 -73.70691	Herbaceous	Vegetative

The New York State Department of Environmental Conservation provides financial support to The Capital Mohawk PRISM via the Environmental Protection Fund.

Capital Mohawk PRISM
Cornell Cooperative Extension: Saratoga
50 West High St.
Ballston Spa, NY 12020



Dominant Native Plants: Sugar maple, princess pine, ground cedar, hemlock, oak

Native Community Types: Aquatic (lake/wetland) and forested

Treatment Method: N/A

Summary of Work Completed:

1. Surveying for invasive terrestrial and aquatic species

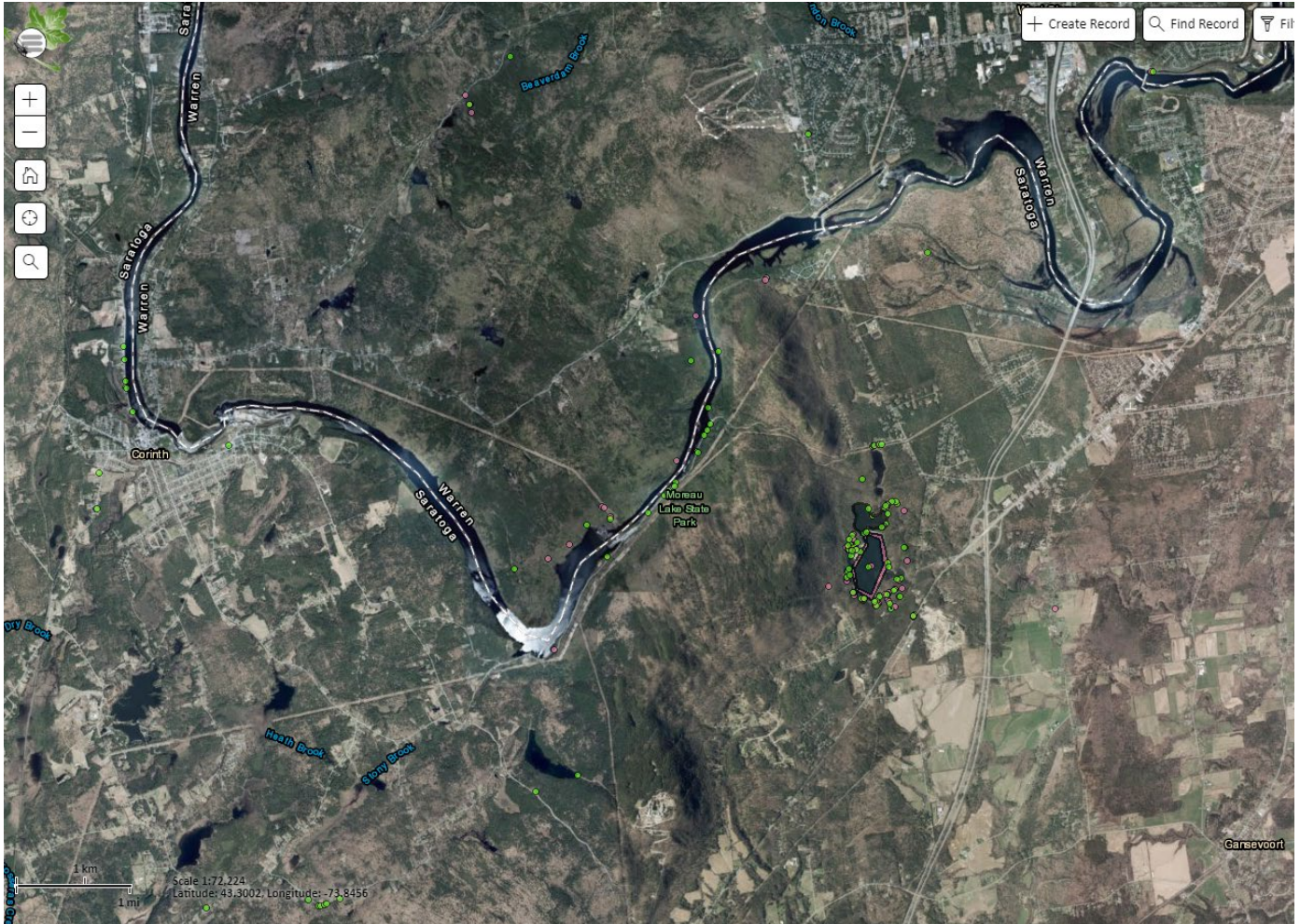
Recommendations for the Future: Continue surveying and possible removals of invasive species that may become / are a high priority (i.e. wisteria and/or Japanese knotweed)

Contact Anna Kuhne at av13kuhn@siena.edu, , or Kelsey Stevens at kao04stev@siena.edu for any questions regarding this report.

The New York State Department of Environmental Conservation provides financial support to The Capital Mohawk PRISM via the Environmental Protection Fund.



Figure 1: Map of the points taken Moreau Lake State Park in Saratoga County.



The New York State Department of Environmental Conservation provides financial support to The Capital Mohawk PRISM via the Environmental Protection Fund.

Capital Mohawk PRISM
Cornell Cooperative Extension: Saratoga
50 West High St.
Ballston Spa, NY 12020



Figure 2. neysuckle (*Lonicera spp*) at Moreau Lake State Park at the parking lot to the beach and Nature Center.



The New York State Department of Environmental Conservation provides financial support to The Capital Mohawk PRISM via the Environmental Protection Fund.

Capital Mohawk PRISM
Cornell Cooperative Extension: Saratoga
50 West High St.
Ballston Spa, NY 12020



Figure 3. Common Reed, *Phragmites (Phragmites australis)* near the boat launch and maintenance area of the southernmost tip of Moreau Lake.



The New York State Department of Environmental Conservation provides financial support to The Capital Mohawk PRISM via the Environmental Protection Fund.