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.***

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| --- | --- | --- | --- | --- |
| Common Name | Scientific Name | Locations (GPS) | Growth Type | Phenology |
| Common Reed | *Phragmites australis* | 43.22702  -73.71087 | Herbaceous | Vegetative |
| Norway Maple | *Acer platanoides* | 43.22762  -73.71018 | Tree | Vegetative |
| Japanese Barberry | *Berberis thunbergii* | 43.22984  -73.70655 | Shrub | Vegetative |
| Oriental Bittersweet | *Celastrus orbiculatus* | 43.23382  -73.71549 | Vine | Vegetative |
| Honeysuckle | *Lonicera spp* | 43.22707  -73.71064 | Shrub | In Seed |
| Garlic Mustard | *Alliaria petiolate* | 43.22519  -73.7044 | Herbaceous | In Seed |
| Mugwort | *Artemisia vulgaris var. vulgaris* | 43.22669  -73.70838 | Herbaceous | Vegetative |
| Chinese Mystery Snail | *Cipangopaludina chinesis* | 43.227733  -73.71264 | Animal | N/A |
| Crown vetch | *Coronilla varia* | 43.22995  -73.71553 | Herbaceous | Flowering |
| Autumn Olive | *Elaeagnus Umbellata* | 43.23929  -73.70802 | Shrub | Vegetative |
| Burning Bush | *Euonumus alatus* | 43.2322  -73.71469 | Shrub | Vegetative |
| Purple Loosestrife | *Lythrum salicaria* | 43.22694  -73.7109 | Herbaceous | Vegetative |
| Eurasian Water-milfoil | *Myriophyllum spicatum* | 43.23124  -73.71195 | Aquatic | Vegetative |
| Reed Canarygrass | *Phalaris arundinacea* | *43.24627*  *-73.71006* | Herbaceous | Vegetative |
| Japanese Knotweed | *Reynoutria japonica* | *43.2251*  *-73.70447* | Herbaceous | Vegetative |
| Common Buckthorn | *Rhamnus cathartica* | *43.23354*  *-73.71527* | Herbaceous | Vegetative |
| Black Locust | *Robinia pseudoacacia* | *43.23897*  *-73.70726* | Herbaceous | Vegetative |
| Multiflora Rose | *Rosa multiflora* | *43.2336*  *-73.70581* | Shrub | Vegetative |
| Climbing Nightshade | *Solanum dulcamara* | *43.23647*  *-73.70914* | Vine | Flowering (Found in August 2018) |
| Tufted Vetch | *Vicia cracca* | *43.24627*  *-73.71006* | Herbaceous | Flowering (Found in August 2018) |
| Common Periwinkle | *Vinca Minor* | *43.23104*  *-73.71525* | Herbaceous | Vegetative |
| Wisteria | *Wisteria spp* | *43.22615*  *-73.70819* | Vine | Vegetative |
| Crown Vetch | *Coronilla varia* | *43.22704*  *-73.70857* | Herbaceous | Flowering |
| Common St. Johnswort | *Hypericum perforatum* | *43.23372*  *-73.71567* | Herbaceous | Flowering |
| Birdfoot Deervetch | *Lotus coriculatus* | *43.2338*  *-73.71427* | Herbaceous | Flowering |
| Creeping Jenny; Moneywort | *Lysimachia nummularia* | *43.22809*  *-73.70858* | Herbaceous | Vegetative |
| Japanese Stiltgrass | *Microstegium vimineum* | *43.22693*  *-73.71074* | Herbaceous | Vegetative |
| White Poplar | *Populous alba* | *43.22809*  *-73.71446* | Tree | Vegetative |
| Showy Vetch | *Vicia grandiflora* | *43.22965*  *-73.70691* | Herbaceous | Vegetative |

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

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

**Treatment Method:** N/A

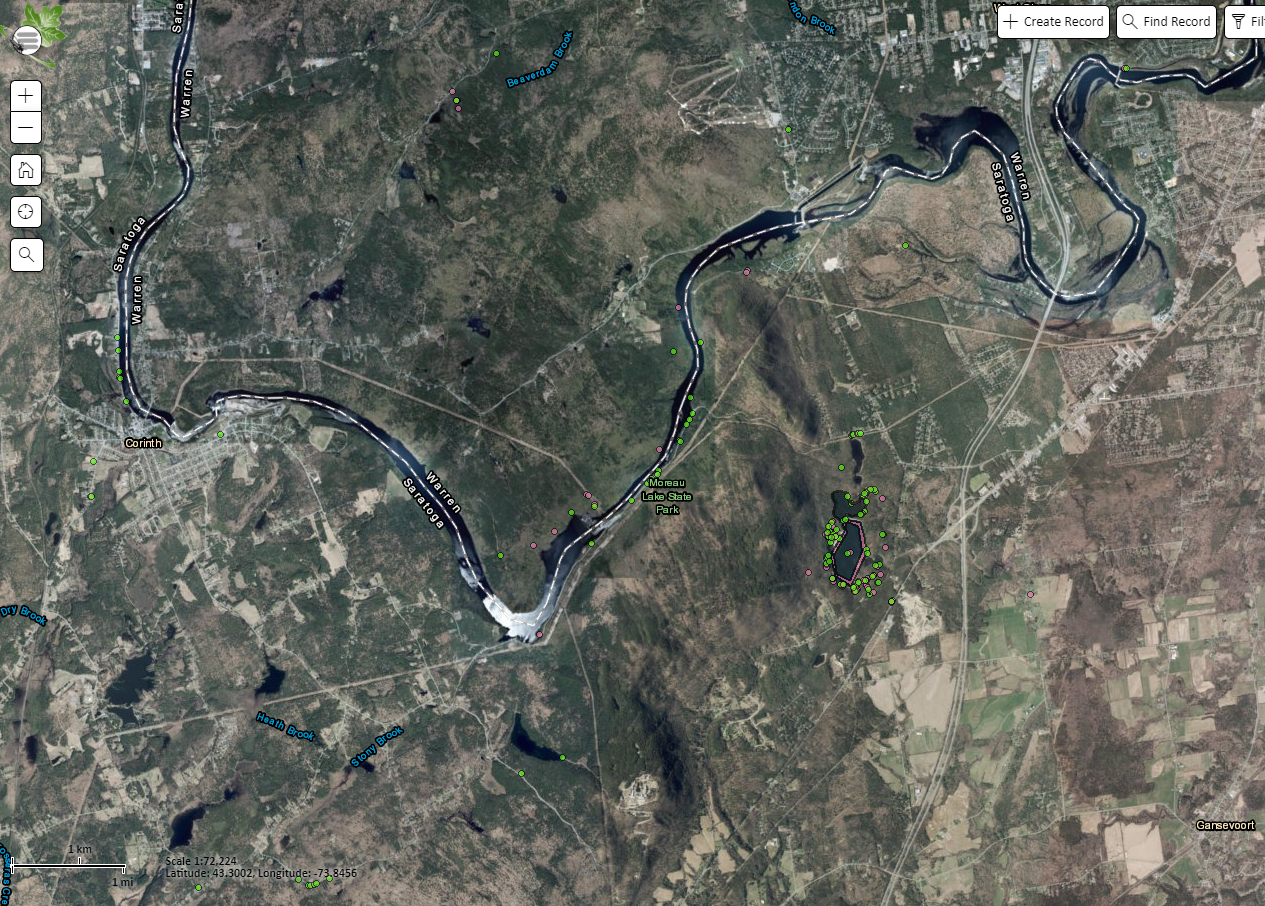
**Summary of Work Completed:**

* 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)

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



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



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

