

Capital Region Partnership for Regional Invasive Species Management Detection & Monitoring Report

Purpose:

The Invasive Species Survey Report will provide an overview and help identify baseline site composition and guide potential invasive species response actions (control/treatment, post-treatment monitoring, adaptive management, restoration, and research) at a specific site over time.

This form can be found online as "Detect & Monitor Survey Report Template" at <https://www.capitalregionprism.org/reports-and-products.html> or with a request. Please consult the Capital Region PRISM if there are any questions at (518)-885-8995. Please capture and collect data using [iMapInvasives](#). The online software platform and associated mobile application are free and open sourced.

Section 1: Survey Summary

This section provides an overview of the site, contact information, etc. Save the report for your records and to guide potential future management decisions.

To determine site value, we recommend using a [Framework of Response](#). Resources the Capital Region PRISM recommends are the New York Natural Heritage Program (NYNHP) [Prioritization Model](#), the [New York Protected Area Database \(NYPAD\)](#) and the [New York State Department of Environmental Conservation Resource Mapper](#). These models and databases will allow you to assess your site's value based on a few factors. Sites should receive a comprehensive evaluation that includes ecological considerations such as ecosystem health and composition, invasive species present on site, and conservation targets. Other factors to consider are the significance of a site's cultural, social, or recreational value to the public. Although the Capital Region PRISM cannot directly assist with all projects, we can provide consultations to determine how to begin assessing ecosystem health and invasive species present on the property as well as provide best management practices regarding invasive species response.

Section 2: Survey Result Summary

The survey summary section will contain the goals, site description, survey methods, and maps generated from your survey efforts. Please fill out the provided table and insert screen shots of iMapInvasives maps and other relevant maps or documents. This form will serve as a record of your efforts and is intended to guide future management decisions.

Section 3: Summary of Recommendations

The recommendation section contains treatment calendars and post-season summaries. Most sites need to be revisited on a regular basis to document successes/failures, identify any changes needed, and update future treatment calendars.

Section 1: Survey Summary

General Information	
Date Survey Conducted: 5/31/24	Property Owner Name, Title, and Contact: Vicki Hillis, Director of Human Services vhillis@townofglenville.org
Site Name: Sanders Town Preserve	
Site Address (if different): 18 Glenridge Road Glenville, NY 12302	Survey Leader Name, and Contact: Stephen Root, smr359@cornell.edu
Latitude/Longitude: 42.867783600, -73.928107400	County: Schenectady
Total Parcel Size (acres): 390 acres	Team Member Name(s): Riley Willard, Joe Simonds, Chris Benincasa
Worksite Size (acres): 4.2 acres	Permit(s)/Permission(s) Acquired? Yes
Report Author: Christopher Benincasa	Data Recorder & iMapInvasives ID: Riley Willard, Joe Simonds, Chris Benincasa, Stephen Root, 29191

***Remember to obtain proper permissions before completing any detection & monitoring project. Please attach any permits/permissions completed for this project as an appendix.

Conservation Goal:

- Delineate & assess a conservation value To prevent and protect a conservation value
- Local Eradication Post-Treatment Monitoring Containment
- Suppression Exclusion Restoration

Survey Type:

- Detection Follow-up Monitoring Detection Training eDNA
- Delineation Highly Probable Areas Volunteer Engagement

Site Description: Provide existing conditions of the site, current land use, landscape elements, historical uses, etc.

This section should include information such as habitat composition, dominance of native species, list any known native species on site, any protected properties or larger landscape features that include site, etc.

This 390-acre preserve offers hiking, cross-country skiing, and horseback riding trails. Hunting is permitted in certain areas of the preserve by Town permit only. Several streams traverse the preserve, forming numerous ravines and small waterfalls.

This site is a common hiking and biking trail, it is a Priority Conservation Area (PCA). In other parts of the site, there are efforts being made to establish a *Hypena spp.* population to manage pale swallow-wort populations. No note was made of the native species that were found during the transect, but mayapple (*Podophyllum peltatum*) was observed in the vicinity of the transect. Hickory was dominant within the transect.

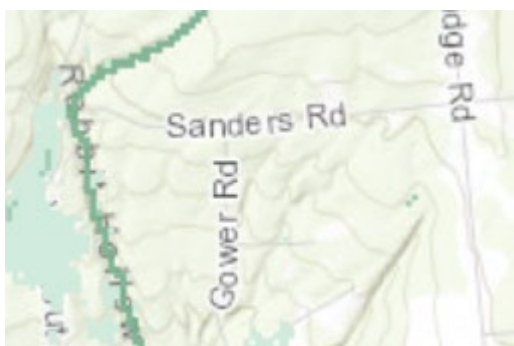
Survey Techniques: Provide a clear and concise description of the work to be conducted, target species, and any survey methods used (i.e. Highly probable area search, rake toss, transect, etc.).

The Terrestrial Team walked a transect along the trail and mapped invasives on iMapInvasives. The area was chosen due to it being along a trail. There were no direct targets for the transect other than general observation.

Site Significance: Some recommended resources to identify high priority sites include: the [CR-PRISM Framework of Response](#), the [NYNHP Prioritization Model](#), the [NYS DEC Environmental Resource Mapper](#)? Please provide screenshots of any maps and/or models used to determine the site is a priority and describe why they show the site is a priority. What other reason is present for conducting the survey (rare, threatened, endangered species, partner property, significant habitat present, etc.)?

This site is recognized in CR-PRISM as a PCA.

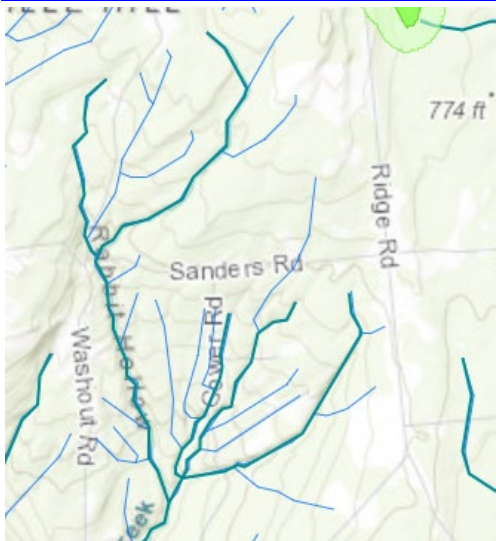
[Ecological Score](#)



[Comp Score](#)



[NYS DEC Environmental Resource Mapper](#)



Section 2: Survey Result Summary

Common Name	Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Oriental Bittersweet	<i>Celastrus orbiculatus</i>	4	Very High	Vine	Vegetative	>5%	Sparse	.5
Multiflora Rose	<i>Rosa multiflora</i>	4	Very High	Shrub	Vegetative	5%	Dense Clumps	.5
Autumn Olive	<i>Elaeagnus umbellata</i>	4	Very High	Shrub	Vegetative	>5%	Sparse	.5
Honeysuckle spp.	<i>Lonicera spp.</i>	4	Very High	Shrub	Vegetative	>5%	Sparse	.5
Common Buckthorn	<i>Rhamnus cathartica</i>	4	Very High	Shrub	Vegetative	>5%	Sparse	.5

*If a specific species is surveyed for and not detected please state that clearly in the table above.

Growth Form:

Terrestrial: Ground Cover, Herbaceous, Vine, Shrub, Tree, Insect, Animal

Aquatic: Submerged, Floating, Emergent, Riparian, Animal

Phenology/Life stage:

Plants: Vegetative, Flowering, Fruit/In Seed, Dormant, Dead

Insects: Egg, Larvae, Pupae, Crawler, Sisten, Adult, Dormant, Dead

Animals: Egg/Newborn, Fledgling, Molting, Mating, Emerging, Feeding, Swarming, Migrating, Dormant, Dead

Percent Cover:

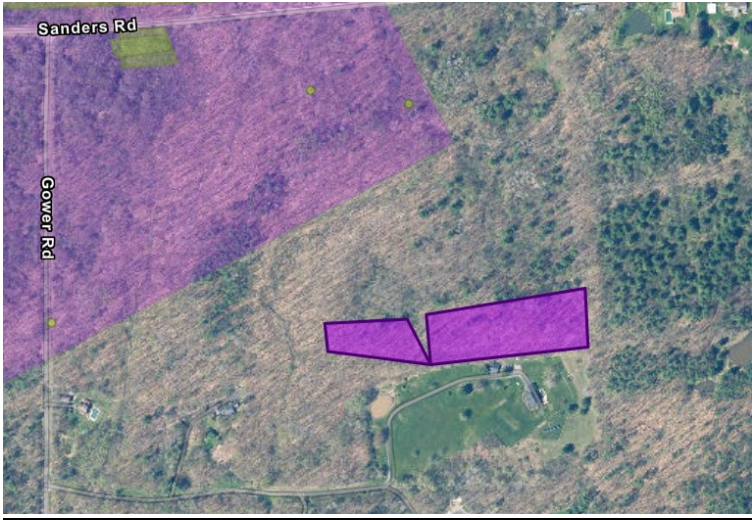
iMapInvasives Percent Cover Ranges: <5%, 5%-25%, 26%-50%, 51%-75%, 76%-100% or use a specific percentage

Distribution/Abundance:

Trace (single plant/clump), sparse (scattered plants/clumps), dense plants/clumps, monoculture, linearly scattered

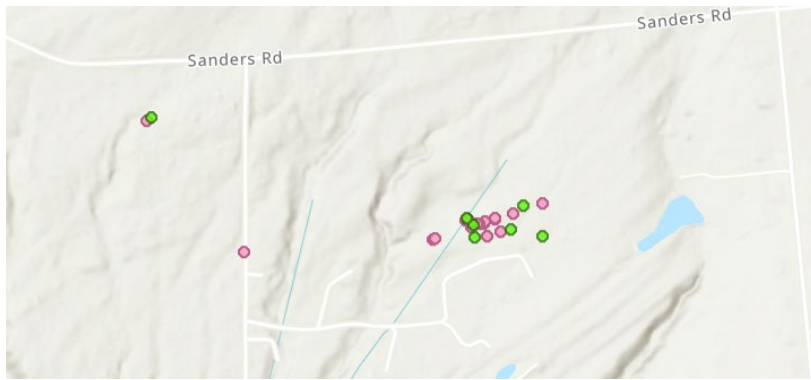
Map: Develop a map of the survey area that has the searched area, any iMapInvasives points, polygons and/or lines for presence or non-detection. Multiple maps may be added for multiple species or locations. All searched areas, detection and non-detection data should be uploaded to the CR-PRISM SharePoint Tracker and iMapInvasives.

[Field Maps Screenshots](#)





[iMapInvasives Screenshot](#)



Section 3: Summary of Recommendations

This section provides recommendations of any response methods, monitoring methods, and restoration efforts based on the survey.

Additional Notes: Provide any additional information that is not included above regarding species surveyed for or about the survey itself. Were there any barriers or issues that arose before or during the survey? Provide any advice that could limit barriers or issues in the future.

The transect was performed on the other side of the road from the hypena/swallow-wort survey location. There is a dense infestation of invasives on the southern half of the preserve, but on the side where the transect was performed native plants were the dominant species.

Response: Briefly describe any recommendations for future response methods, why they are recommended, and any alternatives to consider. Please use abundance and site-specific factors in your recommendation. If conducting a highly probable area survey, please list any response actions taken while on-site. Optional: Attach or reference BMP guidance document. Consider state and local permitting requirements.

There was a sparse covering of invasive species, manual removal is possible and would be recommended in the future to prevent further spread in the area. Although there is a large density of invasives near the *Hypena* release site, other parts of this preserve are less invaded and could be considered conservation targets.



Capital Region PRISM
Partnership for Regional
Invasive Species Management
capitalregionprism.org

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Post-Survey Monitoring: Briefly describe the monitoring procedure, when it will occur, and who will complete it. Consider the phenology of species when suggesting timelines. If a response goal such as eradication, suppression, containment and/or exclusion is selected, will a management plan be drafted? If a plan is needed, please contact the CR-PRISM office for a template of our Invasive Species Management Plan.

Follow up monitoring should be discussed with the Town of Glenville to determine priority locations within the Town of Glenville and identify conservation targets. However, this site is being reconsidered to determine if it should continue to be a priority conservation area for the PRISM.



Department of
Environmental
Conservation

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