



## Capital Region Partnership for Regional Invasive Species Management Response Report

### Section 1: Response Project Summary

General Information	
<b>Date Response Action Conducted:</b> 5/28/24	<b>Property Owner Name, Title, and Contact:</b> Anne Rhoads, Executive Director, Huyck Preserve <a href="mailto:Anne@huyckpreserve.org">Anne@huyckpreserve.org</a> Garrett Chisholm, Stewardship Coordinator, Huyck Preserve <a href="mailto:garrett@huyckpreserve.org">garrett@huyckpreserve.org</a>
<b>Site Name:</b> Huyck Preserve	
<b>Site Address (if different):</b> 284 Pond Hill Road Rensselaerville, NY 12147	<b>Project Leader Name, and Contact:</b> Sam Schultz, <a href="mailto:ss986@cornell.edu">ss986@cornell.edu</a>
<b>Latitude/Longitude:</b> 42.52661 N, -74.15880 W	<b>County:</b> Albany
<b>Total Parcel Size (acres):</b> 2000 Acres	<b>Team Member Name(s):</b> Riley Willard, Chris Benincasa, Stephen Root, Joe Simonds
<b>Worksite Size (acres):</b> 0.5 Acres	<b>Permit(s)/Permission(s) Acquired?</b> Permission Acquired
<b>Report Author:</b> Joe Simonds	<b>Data Recorder &amp; iMapInvasives ID:</b> Sam Schultz, 2994

\*\*\*Remember to obtain proper permissions before completing any response 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

#### Response Type:

- Initial Response       Follow-up Monitoring       Crew Assistance Program Project  
 Research Action       Restoration       Volunteer Engagement

**Disposal method(s):** Disposal methods involved piling removed biomass on site and hanging smaller plants on nearby vegetation to air dry.





**Project 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 response action (protecting rare, threatened, endangered species, crew assistance project, significant habitat present, high/very high threat species/Tier 2 species present etc.)?

The Huyck Preserve area is an area of ecological importance, housing Myosotis Lake along with the Rensselaerville Falls. The Huyck Preserve is a principal partner of the Capital Region PRISM and is working to implement their Invasive Species Management Plan.



Figure 1. Searched Area polygon along with area treated polygon (honeysuckle, oriental Bittersweet, multiflora rose, Japanese barberry, and garlic mustard) at Huyck Preserve.

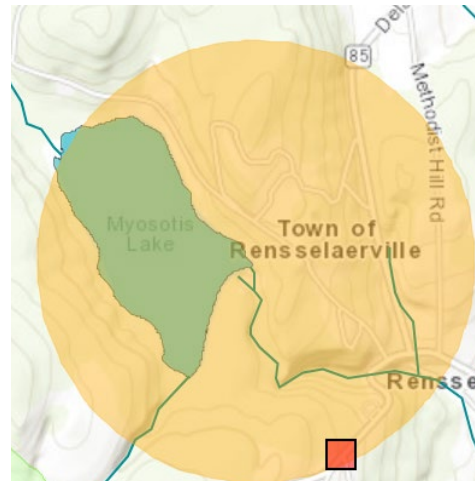


Figure 2. Screenshot taken from the NYSDEC Environmental Resource Mapper of the Huyck Preserve.

This orange area means that there are rare plants or animals in the area which shows the importance of the preserve and invasive species management is conducted at this location.

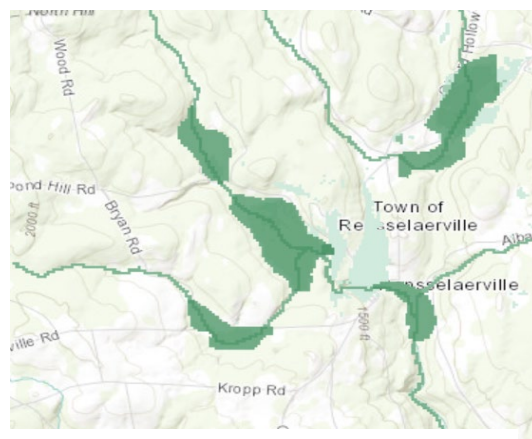
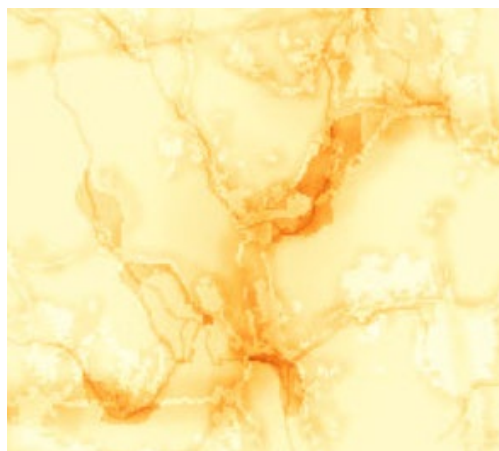


Figure 3 & 4. Comprehensive and ecological significance maps taken from NYNHP Prioritization Mapper, showing the ecological significance, protected land status and risk of spread.



## Section 2: Response Results Summary

**Is this the first year of treatment?** If not, consider creating an invasive species management plan for your project. [Yes](#)

**Total # of Participants:** [Six total, 5 PRISM staff and 1 Huyck Preserve staff](#)

**Time Spent on Removal (hours, minutes):** [5 hours and 23 minutes](#)

**Is follow-up needed? What time of year and how often during the season?** [Huyck Preserve staff will continue to monitor this area as deemed necessary per the Huyck Preserve Invasive Species Management Plan](#)

Species Common & Scientific Name	Tier Ranking	Threat Ranking	Response Method	Percent Cover (%)	Distribution/ Abundance	Size of Infestation (Acres/ Miles if linear)	Area Treated (Acres/ Miles if linear)
Garlic mustard ( <i>Alliaria petiolata</i> )	4	Very High	Manual	<5%	sparse	0.050 acres	0.5 acres
Multiflora rose ( <i>Rosa multiflora</i> )	4	Very High	Manual	26%-50%	dense	0.1 acres	0.5 acres
Japanese barberry ( <i>Berberis thunbergii</i> )	4	Very High	Manual	26%-50%	dense	0.2 acres	0.5 acres
Honeysuckle ( <i>Lonicera</i> spp.)	4	Very High	Manual	5%-25%	clumps	0.050 acres	0.5 acres
Oriental Bittersweet ( <i>Celastrus orbiculatus</i> )	4	Very High	Manual	26%-50%	dense	0.1	0.5 acres

### Integrated Pest Management Methods Deployed:

- **Manual**- the use of physical means to eliminate or reduce pest populations  
Cut, Girdle/Frill, Mow, Dig, Plow, Pull, Smother/Cover, Stump cut, Other (Describe)
- **Mechanical**- the use of mechanical means to eliminate or reduce pest populations  
Cut, Girdle/Frill, Mow, Dig, Plow, Pull, Excavate, Brush hog, Controlled burn, Weed torch, Other (Describe)
- **Chemical\***- the use of pesticides to eradicate or limit the prevalence of unwanted pests.  
\*Please include Chemical name(s) below  
Foliar spray, Stem injection, Cut-stump treatment, Wiper application, Basal bark application, Frill, Tree injection method, Soil Drench, Other (Describe)
- **Cultural\*\***- the practice of modifying the growing environment to reduce the prevalence of unwanted pests.  
Mulching, Solarization, Thermal weed control, Prescribed burning, Water manipulation, Rotational grazing, Prevention programming, Reseeding/cover crop
- **Biological control\*\*\***- the use of a natural enemy or predator to control a pest.  
\*\*\*If biological control is released, please see additional information to collect below





### **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 managed for or about the response project itself. Were there any barriers or issues that arose before or during the response action? Provide any advice that could limit barriers or issues in the future. [Safety takes priority at this site, being close to the falls, there is a concern with uneven terrain and slope on site. Not all of the plants on site were able to be treated, follow-up treatment is recommended in this area.](#)

**Treatment:** 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. Optional: Attach or reference BMP guidance document. Consider state and local permitting requirements. [Follow-up management is recommended for this area due to the location next to a popular trail within the preserve. Continue to use manual and mechanical management in this area. Consider cut stump chemical treatments in the future if needed.](#)

**Post-Treatment Monitoring:** Briefly describe the monitoring procedure, when it will occur, and who will complete it. Consider the phenology of species when suggesting timelines. If this project continues, the CR-PRISM strongly suggests creation of a management plan. If a plan is needed, please contact the CR-PRISM office for a template of our Invasive Species Management Plan. [Huyck Preserve staff should continue to monitor this area for resprouting and continued management within this area, due to the proximity of the falls and the trail, this is a highly visible location that will have a high impact if treatments continue.](#)

