



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

### Section 1: Response Project Summary

General Information	
Date Response Action Conducted: 6/5/24	Property Owner Name, Title, and Contact: Laura DeGaetano, Sr. Natural Resource Planner <a href="mailto:Laura.DeGaetano@albanycountyny.gov">Laura.DeGaetano@albanycountyny.gov</a>
Site Name: Shaker Historic Apple Orchard (across from Ann Lee Pond Nature & Historic Preserve)	
Site Address (if different): Heritage Ln, Albany, NY 12205	Project Leader Name, and Contact: Laura DeGaetano <a href="mailto:Laura.DeGaetano@albanycountyny.gov">Laura.DeGaetano@albanycountyny.gov</a>
Latitude/Longitude: 42.73945364, -73.814754677	County: Albany County
Total Parcel Size (acres): 6.16 acres	Team Member Name(s): Riley Willard, Chris Benincasa, Joe Simonds
Worksite Size (acres): 1.2 acres	Permit(s)/Permission(s) Acquired? Yes
Report Author: Sam Schultz	Data Recorder & iMapInvasives ID: Chris Benincasa, 29191

\*\*\*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

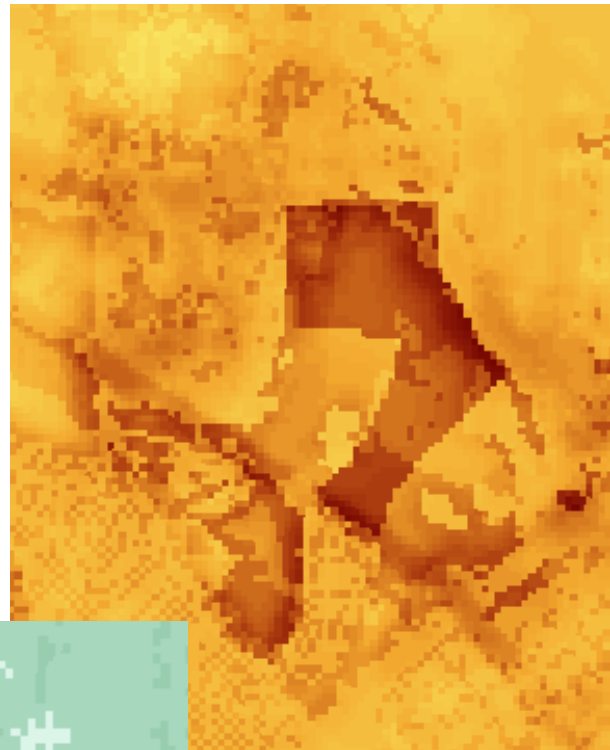
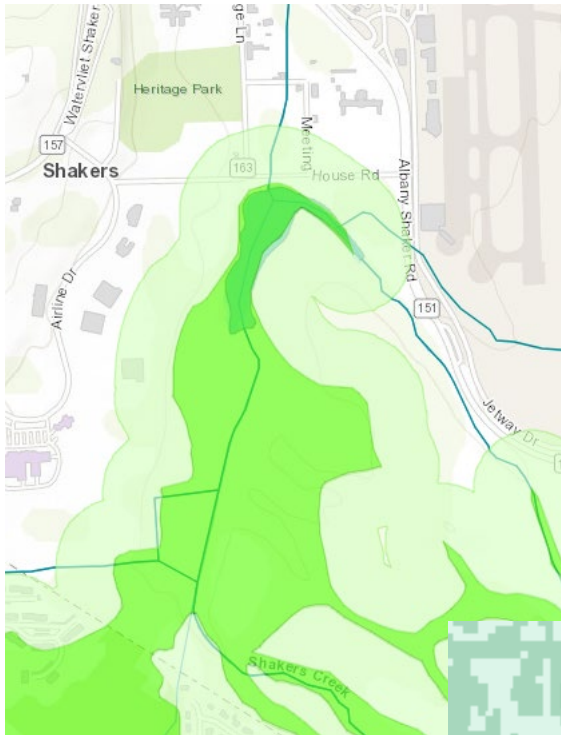
**Disposal method(s):** For disposal, all removed vegetation was left on site to air-dry and decompose.





**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 Shaker Historical Site is very similar in significance to Ann Lee Pond Preserve. The main significance of this site is due to the historical aspect. The trees within the orchard are hundreds of years old and contain genetic material not found in commercially available apples today. This treatment also helps suppress oriental bittersweet that could invade Ann Lee Pond.





## Section 2: Response Results Summary

Is this the first year of treatment? If not, consider creating an invasive species management plan for your project. No, second year of treatment.

Total # of Participants: 8 people, 5 PRISM staff and 3 Albany County staff

Time Spent on Removal (hours, minutes): 6 hours

Is follow-up needed? What time of year and how often during the season?: Albany County plans to replant native species in the treated area as well as construct a viewing and fishing dock for visitors to the preserve.

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)
Oriental Bittersweet ( <i>Celastrus orbiculatus</i> )	4	Very High	Manual	26%-50%	Sparse	1.5 acres	1.2 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

### 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





### **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.

No additional notes.

**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.

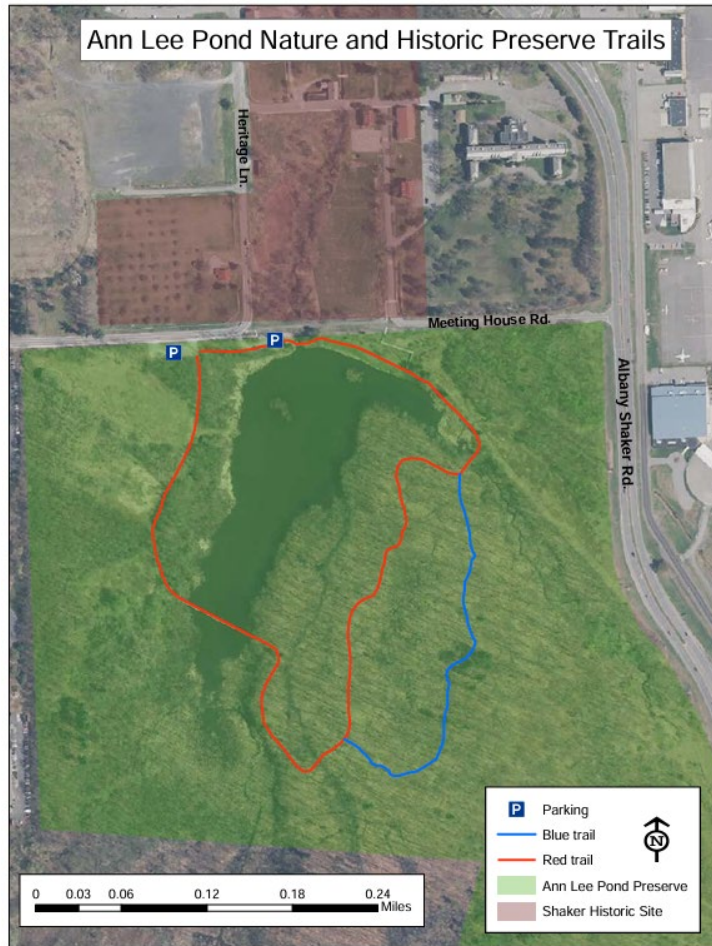
Oriental bittersweet should continue to be managed on this by the Shaker volunteers, to reduce introduction into Ann Lee Pond Preserve.

**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.

Information was shared with Shaker Historic Site volunteers to continue treatment if they so choose.



**Map:**



**Figures 6 & 7:** Trail Map of Ann Lee Pond Nature & Historic Preserve and Shaker Historic Apple Orchard and Field Maps polygons showing the target work area for removals.