



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 Laura.DeGaetano@albanycountyny.gov
Site Name: Ann Lee Pond Nature & Historic Preserve	
Site Address (if different): Heritage Ln, Albany, NY 12205	Project Leader Name, and Contact: Sam Schultz, ss986@cornell.edu
Latitude/Longitude: 42.738941, -73.813315117	County: Albany County
Total Parcel Size (acres): 10.6 acres	Team Member Name(s): Riley Willard, Chris Benincasa, Stephen Root, Joe Simonds
Worksite Size (acres): 0.063 acres	Permit(s)/Permission(s) Acquired? Yes
Report Author: Joe Simmonds/Riley Willard	Data Recorder & iMapInvasives ID: Riley Willard, 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:

- | | |
|------------------------------------------------------------------|----------------------------------------------------------------------|
| <input type="checkbox"/> Delineate & assess a conservation value | <input type="checkbox"/> To prevent and protect a conservation value |
| <input type="checkbox"/> Local Eradication | <input type="checkbox"/> Post-Treatment Monitoring |
| <input checked="" type="checkbox"/> Suppression | <input type="checkbox"/> Containment |
| <input type="checkbox"/> Exclusion | <input type="checkbox"/> Restoration |

Response Type:

- | | | |
|-------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Initial Response | <input checked="" type="checkbox"/> Follow-up Monitoring | <input type="checkbox"/> Crew Assistance Program Project |
| <input type="checkbox"/> Research Action | <input type="checkbox"/> Restoration | <input type="checkbox"/> Volunteer Engagement |

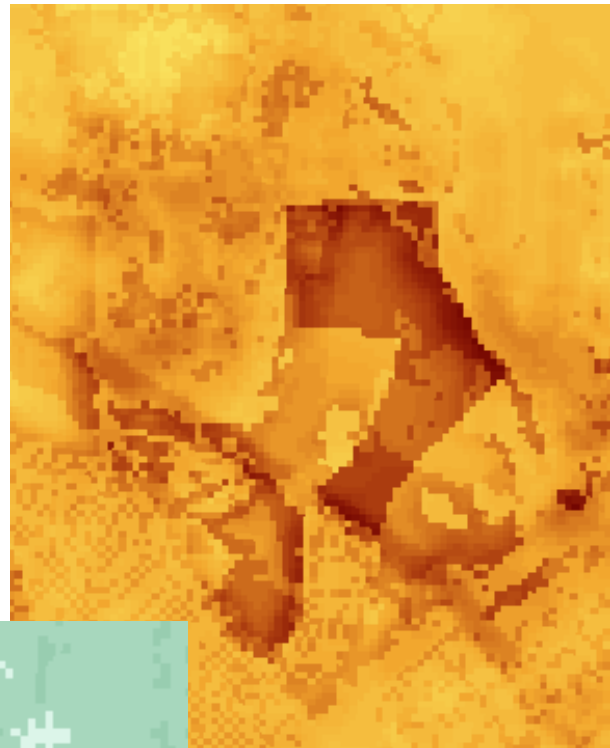
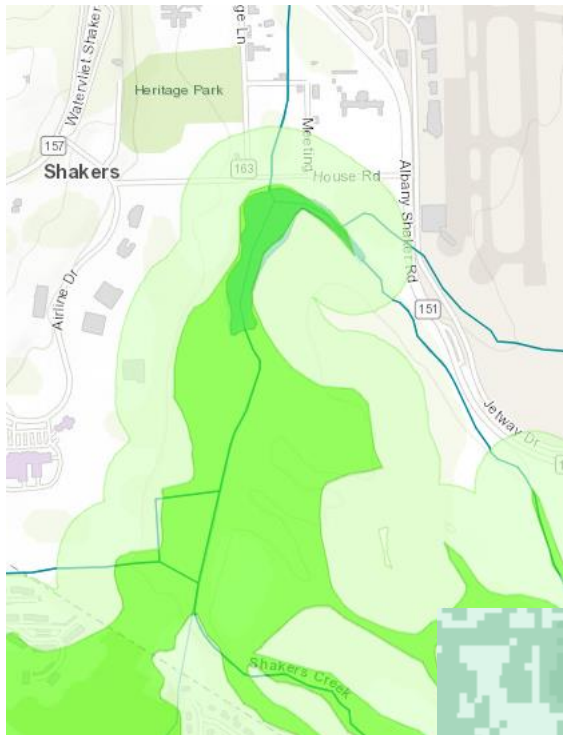
Disposal method(s): [For disposal, all removed vegetation was piled all onto a cement pad. Albany County staff removed the vegetation and chipped it offsite.](#)





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.)?

Ann Lee Pond Preserve is one of the PRISM's Priority Conservation Areas. It contains a freshwater wetland with a variety of birds and provides greenspace within one of the more urban areas of Albany County. As shown below by screenshots from the NYNHP Prioritization Model and the NYS DEC Resource Mapper, this area is not of high ecological significance but does score highly on the comprehensive score due to its protected status and the high risk of spread in this area. An additional note that makes this area a good target is half of the preserve contains a large amount of invasive species while the other side is largely native plants.





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)
Common Buckthorn (<i>Rhamnus cathartica</i>)	4	Very High	Manual	20%-40%	Dense	0.063 acres	0.063 acres
Honeysuckle (<i>Lonicera spp</i>)	4	Very High	Manual	5%-20%	Sparse	0.063 acres	0.063 acres
Oriental Bittersweet (<i>Celastrus orbiculatus</i>)	4	Very High	Manual	26%-50%	Dense	0.063 acres	0.063 acres
White Mulberry (<i>Morus alba</i>)	4	Very High	Manual	5%	Sparse	0.063 acres	0.063 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.

The Honeysuckle-Popper proved to be very effective in this removal. Thicker gloves are definitely recommended when removing buckthorn, the thorns from the plant will puncture the rubber gloves that are used. Thicker leather or canvas gloves would prevent this.

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.

During removal it is recommended that boots should be brushed off before making your way to the other side of the park. The western side of Ann Lee Pond Preserve has an abundance of invasive species while the eastern side has few occurrences. On the south side there is a stand of beech trees, there was a potential sighting of beech leaf disease. Further assessment is required to see if the property contains beech leaf disease.

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.

The treated area should be monitored following construction of the viewing/fishing platform due to disturbance in the treated area. As far as the remainder of the preserve, surveying will continue on a rotational basis at Ann Lee Pond by PRISM staff.



Figure 1: PRISM and Albany County staff assessing the site during removal efforts.



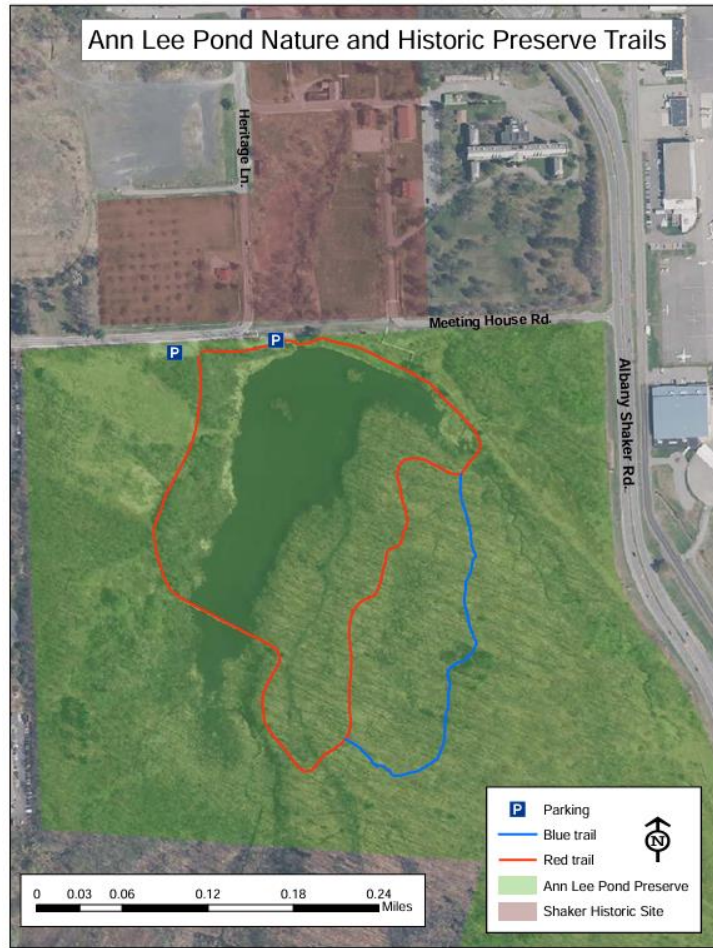
Figures 3 & 4: PRISM Invasive Species Technicians, Chris using a honeysuckle popper and Stephen showing one of the honeysuckles removed respectively.



Figures 5: The crew for the day: From left to right, PRISM staff (Joe Simonds, Riley Willard, Sam Schultz, Stephen Root, Chris Benincasa), and Albany County staff (Laura DeGaetano, Olivia Downs and Anthony Coppola).



Map:



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