



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: 8/5/2024	Property Owner Name, Title, and Contact: <ul style="list-style-type: none"> Athens Boat Launch- Cohotate Preserve- Greene County Soil & Water Conservation District
Site Name: Athens Boat Launch & Cohotate Preserve: Preserve	
Site Address (if different): <ul style="list-style-type: none"> Athens Boat Launch- 153 N Washington St, Athens, NY 12015 Cahotate Preserve- 450 NY-385, Catskill, NY 12414 	Survey Leader Name, Title, and Contact: Christopher Benincasa, Invasive Species Technician, cjb393@cornell.edu
Latitude/Longitude: <ul style="list-style-type: none"> Athens Boat Launch- 42.27296, -73.80226 Cohotate Preserve- 42.246537, -73.843038 	<ul style="list-style-type: none"> County: Greene
Total Parcel Size (acres): <ul style="list-style-type: none"> Athens Boat Launch- 2.11 acres Cahotate Preserve- 52.4-acre 	Team Member Name(s) and Title(s): Riley Willard, Stephen Root
Worksite Size (acres): 60.6 acres	Permit(s)/Permission(s) Acquired? Not applicable, both locations are publicly accessible
Report Author: Christopher Benincasa	Data Recorder & iMapInvasives ID: 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:

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

Survey Type:

- | | | | | |
|--|---|--|---|-------------------------------|
| <input checked="" type="checkbox"/> Detection | <input checked="" type="checkbox"/> Delineation | <input type="checkbox"/> Follow-up Monitoring | <input type="checkbox"/> Detection Training | <input type="checkbox"/> eDNA |
| <input type="checkbox"/> Highly Probable Areas | <input type="checkbox"/> Volunteer Engagement | <input type="checkbox"/> Crew Assistance Program Project | | |

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 (both common and scientific names), any protected properties or larger landscape features that include site, etc.

Athens Boat Launch:

This boat launch is owned by the OPRHP and provides access to the Hudson River. There is room for 20 cars and trailers and 4 additional cars without trailers. It is a hard surface launch that allows for most trailered boats to launch from this location. Known invasives surrounding the launch include Eurasian watermilfoil, water chestnut, zebra mussel, quagga mussel and Asian clam.

Cohotate Preserve:

In 1990, GCSWCD initiated the development of an environmental education center on the banks of the Hudson River. Utilizing a 52.4-acre parcel donated to Greene County by The Nature Conservancy in the 1970s, the

District drafted a phased development plan and worked to secure grants from a variety of sources. The Preserve provides access to the Hudson River shoreline and the property is characterized by several distinct forest types, tidal wetlands, rolling hills as well as steep slopes near the river.

In 1996, the District entered into a partnership with Columbia Greene Community College (CGCC) to undertake the development of an Environmental Field Station which could support the college's programs as well as be used by other environmental education organizations. The District coordinated the construction of a 1200 square foot structure which contains a lab, classroom and prep space. The building was constructed primarily by GCSWCD, CGCC, Greene County Buildings and Grounds Department, Greene County Highway Department, and the Town of Athens Highway Department. Some work –such as the roof system – was contracted to private builders.

In 1998, the District constructed a pond and wetland area in the preserve. Located on the upper portion of the property, the pond increases educational opportunities at the Preserve and provides more variation in habitat - encouraging greater species diversity.

Today, the Cohotate Preserve has Hudson River frontage for the public to enjoy. The Preserve is open year-round for hiking, snowshoeing, and plant and wildlife viewing. Trails include interpretive signs to inform visitors about birds, wildlife, and forest habitats. Bring your sense of curiosity, as you picnic on the remains of an icehouse foundation at the river's edge or watch for bald eagles and great blue herons from one of the several observation platforms.

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 intention of these surveys was to delineate wineberry that may be providing seed sources for the nearby Four Mile Point Preserve at which the Capital Region PRISM has been managing wineberry over the last six years.

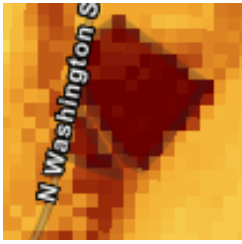
Site Significance: Some recommended resources to identify high priority sites include: the [CR-PRISM Framework of Response](#), the [NYNHP Prioritization Model](#), the [NYS DEC Environmental Resource Mapper](#)? Please provide screenshots of any maps and/or models used to determine the site is a priority 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.)?

The maps below depict the comprehensive, ecological and natural resources available at Athens Boat Launch and Cohotate Preserve. Athens Boat Launch scores very high on the comprehensive score, Cohotate Preserve scores moderately high and both locations score moderately on the ecological score, compared to other locations in the Capital Region.

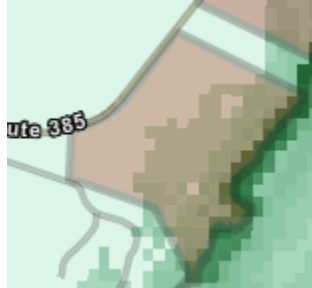
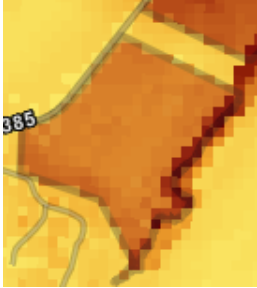
Natural resources are depicted by the Environmental Resource Mapper. Athens boat launch is part of a state regulated freshwater wetland (18.4 acres), it is in the vicinity of animals listed as endangered or threatened, in the vicinity of Atlantic Sturgeon (listed as endangered), Shortnose Sturgeon (listed as endangered) and is in the vicinity of plants listed as endangered, threatened or rare by NYS. This location is also a high priority location because it is a location projected to be inundated during a 100-year flood with 72/75 inches of sea-level rise. Cohotate Preserve is in the vicinity of rare dragonflies and damselflies, in the vicinity of animals listed as endangered or threatened, in the vicinity of Atlantic Sturgeon (listed as endangered), Shortnose Sturgeon (listed as endangered), in the vicinity of bats listed as endangered or threatened and in the vicinity of plants listed as endangered, threatened or rare by NYS.

Screenshots of the NYNHP Prioritization Mapper and the NYS DEC Environmental Resource Mapper for both locations can be found on the next page.

Athens Boat Launch



Cohotate Preserve



Section 2: Survey Result Summary

Athens Boat Launch

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Wineberry (<i>Rubus phoenicolasius</i>)	3	Very High	Shrub	Vegetative	5-25%	Sparse	0.73 acres

Cohotate Preserve

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Wineberry (<i>Rubus phoenicolasius</i>)	3	Very High	Shrub	Vegetative	5-25%	Sparse	0.2 acres
Multiflora rose (<i>Rosa multiflora</i>)	4	Very High	Shrub	Vegetative	26-50%	Dense	3.9 acres
Autumn olive (<i>Elaeagnus umbellata</i>)	4	Very High	Tree	Vegetative	26-50%	Dense	1.6 acres
Common reed (<i>Phragmites australis</i>)	4	Very High	Herb	Vegetative	51-75%	Sparse	1.3 acres

*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, Fledging, 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. If available, include a property map for a comprehensive view of the property. All searched areas, detection and non-detection data should be uploaded to the CR-PRISM SharePoint Tracker and iMapInvasives.

▪ **Insert Survey Map(s):**



Figure 1: Athens Boat Launch
Invasives Detected: Wineberry

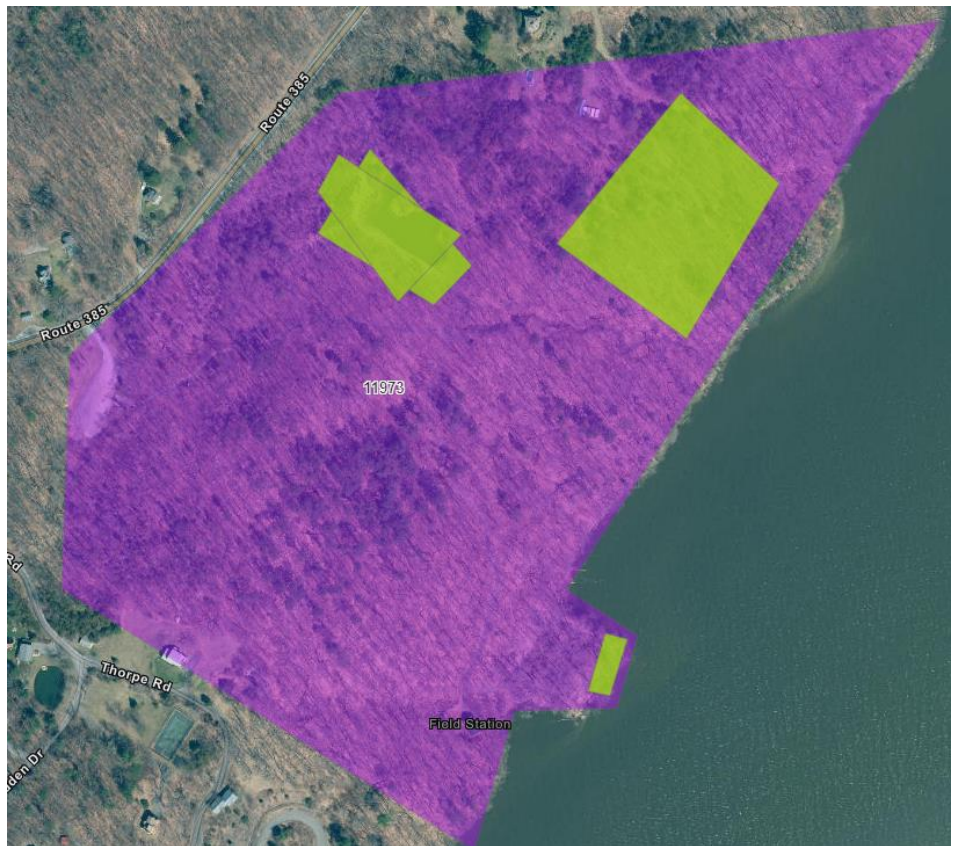


Figure 2: Cahotata Preserve
Invasives Detected: Wineberry, autumn olive, multiflora rose and common reed



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.

No barriers occurred during this survey.

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.

The Capital Region PRISM will re-evaluate management actions being taken at Four Mile Point Preserve to determine if management should continue given this new information. If management is determined to continue at Four Mile Point, these locations should also be considered for potential management.

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.

The Capital Region PRISM will be re-evaluating Priority Conservation Areas this winter and will compare these locations to other areas within Greene County to determine if any priority should be placed on these locations for future monitoring, detection or management efforts.