



Capital Region PRISM Survey Report

Purpose:

The Invasive Species Survey Report will provide an overview and help guide invasive species treatments, baseline site composition, post-monitoring, and restoration at a specific site over time. A single survey report should not be written for an entire site, but a specific project. A site could have multiple reports. If there are multiple reports within a site, consult with the Capital Region PRISM about potentially preparing a more robust survey report.

To be submitted to Capital Region PRISM following the completion of partner, individual, or PRISM-led survey for review. This form can be found online as "FieldSurveyReportTemplate" at <https://www.capitalregionprism.org> 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 [iMap Invasives](#). 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. Once complete, save your report and submit the form via email to a member of the Capital Region PRISM team. Feel free to include supporting documents in your submission.

To determine site value, we recommend using the iMap Invasives Prioritization Model which can be found on the [PRISM Prioritization webpage](#). The prioritization model will allow you to assess your site's ecological value based on a few factors. Evaluate the comprehensive score or the ecological score to determine if your site is a high priority site that will help us determine if the location and infestation falls into our priority objectives for future management. If it is not a high priority site, we still encourage you to complete invasive species surveying as the site may be culturally and socially of value to the public.

Section 2: Survey Result Summary

The survey summary section will contain the tables and maps generated from your survey efforts. The biological surveys will assist the Capital Region PRISM in our efforts to identify emerging species to be able to more effectively manage infestations and the spread of populations. Please fill out the provided table and insert screen shots of iMap Invasives maps.

Section 3: Summary of Recommendations

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



Section 1: Survey Summary

Date: 05/17/22	Property Owner Name: Hudson-Mohawk Bird Club, Inc.
Site Name: Reist Sanctuary	Property Owner Contact: (518) 439-8080 ; reist@hmbc.net
Site Address (if different): Niskayuna, NY 12309	Survey Leader Name and Title: Sam Schultz, TIS Coordinator
County: Schenectady County	Survey Leader Contact: ss986@cornell.edu
Latitude/Longitude: 42.7868948052724, -73.88850975957254	Team Member Name(s): Mary Werner, Tyler Levy
Site Size: 111 acres	Team Member Contact(s): mhbeaver43@gmail.com , tyler.levy.scsxcd@gmail.com

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

The Reist Sanctuary is one of the largest forests and open space resources within the town of Niskayuna. The area is owned by the Hudson-Mohawk Bird Club, Inc. The property is 111 acres and contains multiple wetland habitats as well as a rare, red-maple swamp forest stand.

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 area was surveyed via trailside surveys and an area where Lesser Celandine was previously reported.

Did you identify this site through the iMap Invasives Prioritization Model? If yes- Did it score high in either ecological or comprehensive value? What other reason is present for conducting the survey?

Although the area itself doesn't score very highly in ecological significance. This is believed to be an ecologically significant area with a rare, red-maple swamp, which is information that was provided to PRISM by the former state botanist Steve Young.

Section 2: Survey Result Summary

Common Name	Scientific Name	GPS Location	Growth Form	Phenology	Distribution/ Abundance	# of Stems	Area Infested (acres/miles if linear)
Lesser Celandine	Ficaria verna	See iMap	Herbaceous	Vegetative (post flowering)	Sparse	N/A	0.06 acres
Japanese Barberry	Berberis thunbergii	See iMap	Shrub	Vegetative	Sparse	N/A	0.47 acres
Oriental Bittersweet	Celastrus orbiculatus	See iMap	Vine	Vegetative	Sparse	N/A	0.72 acres
Burning Bush	Euonymus alatus	See iMap	Shrub	Vegetative	Sparse	N/A	0.23 acres
Multiflora rose	Rosa multiflora	See iMap	Shrub	Vegetative	Sparse	N/A	0.25 acres
Honeysuckle spp.	Lonicera sp.	See iMap	Shrub	Vegetative	Dense	N/A	1.92 acres
Garlic Mustard	Allaria petiolata	See iMap	Herbaceous	Flowering	Sparse	N/A	0.52 acres
Common Reed	Phragmites australis	See iMap	Herbaceous	Vegetative	Sparse	N/A	0.43 acres
Norway Maple	Acer platinoides	See iMap	Tree	Vegetative	Trace	1	0.02 acres

Rhamnus cathartica	Common Buckthorn	See iMap	Shrub	Vegetative	Sparse	N/A	0.22 acres
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Growth Form:

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

Aquatic: Submerged, Floating, Emergent, Riparian, Animal

Phenology:

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

Insects: Emergence, Swarming, Spawning

Animals: Spawning, Swarming, Migrating

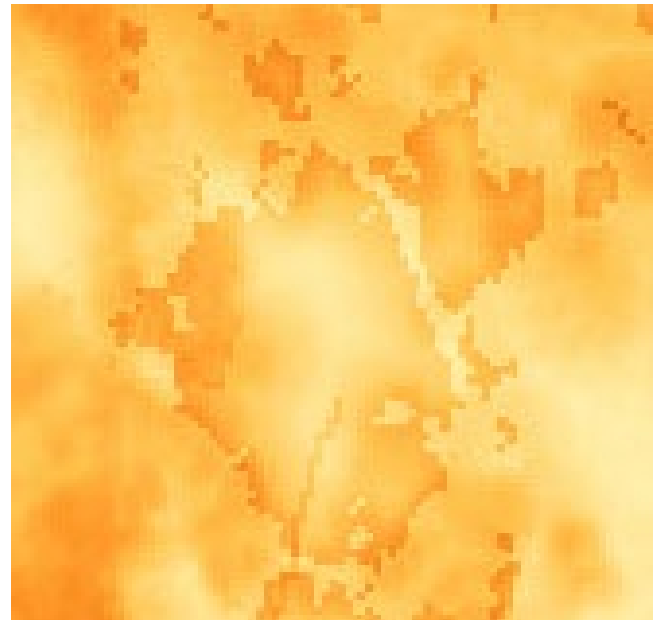
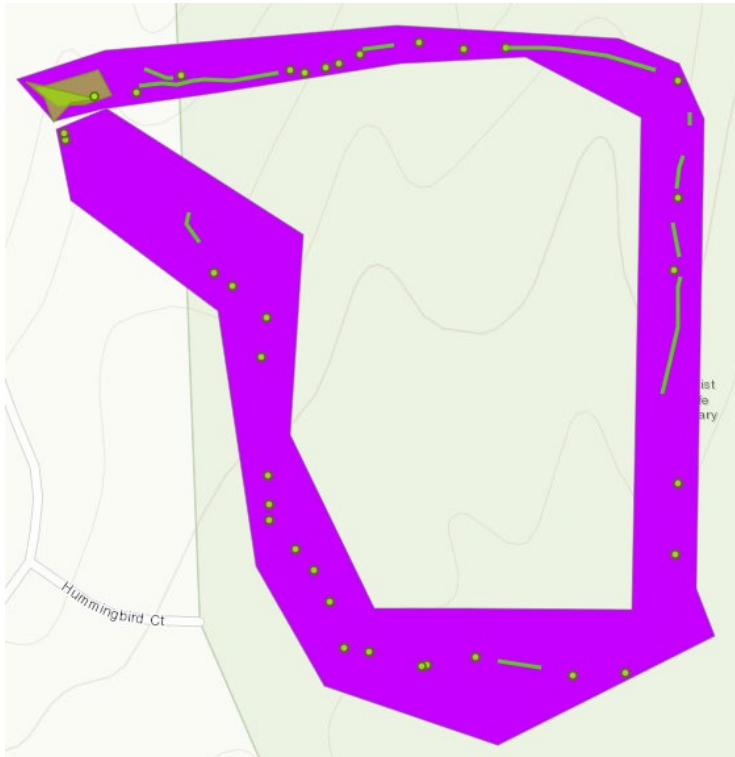
Distribution/Abundance:

Trace (single plant/clump), Sparse (scattered plants/clumps), Dense plants/clumps, Monoculture, Linearly scattered

Map: Develop a map of the survey area that has any iMap Invasives points and/or searched, polygons to delineate infestation extent. Multiple maps may be added for multiple species or locations. Different mapping formats are welcome but iMap Invasive delineations are preferred.

- Insert Survey Map(s):

Searched Area ID #: 1297122





Section 3: Summary of Recommendations

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

Additional Notes: Describe any barriers or issues that arose before or during the survey. Issues arising before completing the survey could include: trouble contacting owner, extended time to obtain permission, trouble accessing the property, etc. Barriers arising during the survey could include: downed trees, trail is closed off, hazards on site, unforeseen injury, inclement weather, etc. Provide any advice that could limit barriers or issues in the future.

Timing for this survey was a bit late due to scheduling issues but otherwise it went smoothly. The homeowner, Ruth Bonn, is very cooperative and would really like to see this area treated.

Treatment: Describe briefly any recommendations for future treatment methods, why they are recommended, and any alternatives to consider. Please use abundance and site-specific factors in your treatment recommendation. Optional: Attach or reference BMP guidance document. Consider state and local permitting requirements.

It is recommended this site be treated due to the small area that is covered by the infestation, the high probability for spread into Reist Sanctuary due to the proximity to the stream and there may also be a rare Red Maple swamp (information provided by Steve Young, the former State Botanist) within the preserve. It is recommended this site be treated manually by SCISC in cooperation with PRISM.

Post-Survey Monitoring: Briefly explain the monitoring procedure, when it will occur, and who will complete it. Consider the phenology of species when suggesting time-lines. If a control such as eradication, suppression, and 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.

In 2023, this site will be surveyed in mid-April with treatment planned for the same day. This will be completed as a collaboration between SCISC, the homeowner, and PRISM.