



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 "Field Survey Report Template" at www.capitalregionprism.org/reports.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: www.nyimainvasives.org. The online software platform and associated mobile application is 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 iMapInvasives Prioritization Model which can be found on the PRISM website at <https://www.capitalregionprism.org/ny-invasive-species-prioritization-map.html>. The prioritization model will allow you to assess your site's ecologic 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 summaries section will contain the tables and maps generated from your survey efforts. The biologic 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 iMapInvasives 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: 10/15/21

Site Name Address: Nutten Hook & Stockport Flats WMA, Towns of Stockport and Stuyvesant

County: Columbia

Latitude and Longitude: 42.358427, -73.787318

Property Owner Contact:

- DEC Hudson River National Estuarine Research Reserve (M-F, 8:00 AM - 4:30 PM), 845-889-4745; hrnerr@dec.ny.gov
- Enforcement Matters: 518-408-5850 (24/7) or 911

Lead Contact for Survey: Sam Schultz

Phone and Email: (518) 885-8995 (ext. 2211), ss986@cornell.edu

Overall Site Size: 85.61 acres

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

Stockport Flats is the northernmost site in the Hudson River Reserve. Stockport Flats is a five-mile, narrow mosaic of landforms, including from north to south: Nutten Hook, a bedrock outcropping; Gay's Point and Stockport Middle Ground Island, dredge features that are both part of the [Hudson River Islands State Park](#) (leaves DEC website); the mouth of Stockport Creek, a large tributary stream; a portion of the upland bluff south of Stockport Creek; the dredge spoils and tidal wetlands between Stockport Creek and Priming Hook; and the northern end of Priming Hook. The Hudson is entirely tidal freshwater at this site.

Stockport Flats is dominated by freshwater tidal wetlands, including subtidal shallows, intertidal mudflats, intertidal shores, tidal marshes and floodplain swamps. Stockport Creek drains a watershed of about 500 square miles. Nutten Hook at Stockport features the remains of the largest ice house on the Hudson, which is listed on the National and New York State Registers of Historic Places. Interpretive panels relate the history of the ice harvesting industry. There are hand boat launches on Ferry Road and Ice House Road. A loop hiking trail from Ferry Road goes to the ice house.

Survey Techniques: Provide a clear and concise description of the work to be conducted, target species, and any survey methods used.

Trail systems, picnic areas, beaches, boat launches, parking lots and roadways were surveyed by walking through and recording any invasive species present in iMap Invasives.

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

Yes, this site has a very high comprehensive value and ecological score. This area is also one of our Priority Conservation Areas (PCAs) and needs to be surveyed regularly.

Section 2: Survey Result Summary

Common Name	Scientific Name	GPS Location	Growth Type	Phenology	Distribution Abundance	Area
Purple loosestrife	Lythrum salicaria	42.358975, -73.7883102	Herbaceous	Vegetative	Single Clump	<10ft ²
Honeysuckle	Lonicera spp.	Multiple- See iMap	Shrub	Vegetative	Dense Patches	>1 acre
Oriental bittersweet	Celastrus orbiculatus	Multiple- See iMap	Vine	Fruit ripening	Dense Patches	>1 acre

Common reed	Phragmites australis	Multiple- See iMap	Herbaceous	Seeds	Dense Patches	>10 acres
Mugwort	Artemisia vulgaris	Multiple- see iMap	Herbaceous	Seeds	Sparse	<10ft ²
White mulberry	Morus alba	Multiple- see iMap	Shrub	Vegetative	Sparse	<10ft ²
Common buckthorn	Rhamnus cathartica	Multiple- see iMap	Shrub/Tree	Fruit ripening	Dense patches	>25ft ²
Multiflora rose	Rosa multiflora	Multiple- see iMap	Shrub	Fruit ripening	Dense patches	>25ft ²
Garlic mustard	Alliaria petiolate	Multiple- see iMap	Herbaceous	Vegetative	Dense patches	<25ft ²
Ground ivy	Glechoma hederacea	Polygon- see iMap	Herbaceous	Vegetative	Dense patches	<25ft ²
Canada thistle	Cirsium arvense	Polygons- see iMap	Herbaceous	Seeds	Sparse	<10ft ²
Black locust	Robinia pseudoacacia	Multiple- see iMap	Tree	Vegetative	Dense patches	<1 acre
Sweet bedstraw	Galium odoratum	Polygons- see iMap	Herbaceous	Seeds	Dense patches	<25ft ²
Northern catalpa	Catalpa speciosa	42.358348, -73.787689	Tree	Vegetative	Single Plant	<10ft ²
Swallowwort	Vincetoxicum spp.	Multiple- see iMap	Herbaceous	Vegetative	Sparse	<10ft ²
Japanese stiltgrass	Microstegium vimineum	Multiple polygons- see iMap	Herbaceous	Seeds	Dense patches	>1 acre
Tree-of-Heaven	Ailanthus altissima	42.358020, -73.788907	Tree	Vegetative	Single Clump	<25ft ²
Privet	Ligustrum spp.	42.356845, 73.788945	Shrub	Vegetative	Single Plant	<10ft ²
Japanese barberry	Berberis thunbergii	Multiple- see iMap	Shrub	Fruit ripening	Sparse	<25ft ²
Jumping worms	Amyntas- Metaphire spp.	Polyline- see iMap	Animal	UNK	UNK	UNK
Butter and Eggs	Linaria vulgaris	Polygons- see iMap	Herbaceous	Flowering	Single clump	<10ft ²

Growth Type: (T)Tree, Shrub, Vine, Ground Cover, Herbaceous, Riparian, Pest, Animal (A)Submerged, Floating, Emergent, Riparian, Pest, Animal

Phenology: Flowering, Leaf unfolding, fruit ripening, leaf color change, dormant, swarming, spawning, emergence (insects), migrating, in seed

Distribution/Abundance: Sparse, Dense Patches, Dominant, Single Clump, Single Plant

Map: Develop a map of the survey area that has any iMapInvasives 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):



Figure 1: Nutten Hook Tidal Wetland- Icehouse Trail, Picnic Area and Beach



Figure 2: Stockport Flats WMA parking lot, railway and boat launch

Section 3: Summary of Recommendations

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

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.*

Treatment is not recommended at this time for this location, as most species present are non-native. Additionally, treatment would not be feasible due to the large amount of invasives present.

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 post treatment Invasive Species Management Plan.*

Post-survey monitoring should be completed earlier in the growing season to determine which if any spring ephemerals are present. Additionally, other parts of Stockport Flats WMA that are only accessible by boat should be surveyed.