Capital Region PRISM
Partnership for Regional
Invasive Species Management
www.capitalregionprism.org

Cornell Cooperative Extension Saratoga County
50 West High St.
Ballston Spa, NY 12020

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.

NEW YORK STATE Department of Environmental Conservation

The New York State Department of Environmental Conservation provides financial support to The Capital Region PRISM via the Environmental Protection Fund

Section 1: Survey Summary

General Information	
Date Survey Conducted: 8/20/24	**Property Owner Name, Title, and Contact:** Rebecca Ferry, Environmental Stewardship Biologist, NYS Office of Parks, Recreation and Historic Preservation *rebecca.ferry@parks.ny.gov*
Site Name: Cherry Plain State Park	
Site Address (if different): 10 State Park Road Petersburg, NY 12138	**Survey Leader Name, Title, and Contact:** Sam Schultz, Terrestrial Invasive Species Coordinator ss986@cornell.edu, 518-855-8995
Latitude/Longitude: 42.622093, -73.409424	**County:** Rensselaer
Total Parcel Size (acres): 175 acres	**Team Member Name(s) and Title(s):** Chris Benincasa, Riley Willard, Joe Simonds
Worksite Size (acres): 28.3 acres	**Permit(s)/Permission(s) Acquired?** Yes, OPRHP Scientific Research Application Permit
Report Author: Sam Schultz	**Data Recorder & iMapInvasives ID:** Sam Schultz- 9924

*****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:

☒ Delineate & assess a conservation value ☒ To prevent and protect a conservation value

☐ Local Eradication ☐ Post-Treatment Monitoring ☐ Containment

☐ Suppression ☐ Exclusion ☐ Restoration

Survey Type:

☒ Detection ☒ Delineation ☐ Follow-up Monitoring ☐ Detection Training ☐ eDNA

☐ Highly Probable Areas ☐ Volunteer Engagement ☐ 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.

Cherry Plain State Park has 175 acres and features a day use picnic area on Black River Pond, with a public restroom nearby. The park also has a boat launch, bridle paths and hiking, biking and nature trails that serve for cross-country skiing in the winter. Anglers fish for bass, bullheads and pickerel and may also ice fish in winter. The park has 10 trailer sites, 10 lakeside tent sites as well as 10 "hike-in" tent sites available for overnight camping. Black River Pond is a freshwater wetland (39.1 acres). Cherry Plain State Park features a hemlock-northern hardwood forest (High Quality Occurrence of Uncommon Community Type) as part of the Central Rensselaer Plateau Forest.

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 Terrestrial Team conducted highly probable area surveys throughout the park. Removals were conducted around trailheads, some of the campsites and along the state park road.

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.)?

Figure 1: Comprehensive Score (NYNHP Prioritization Mapper)

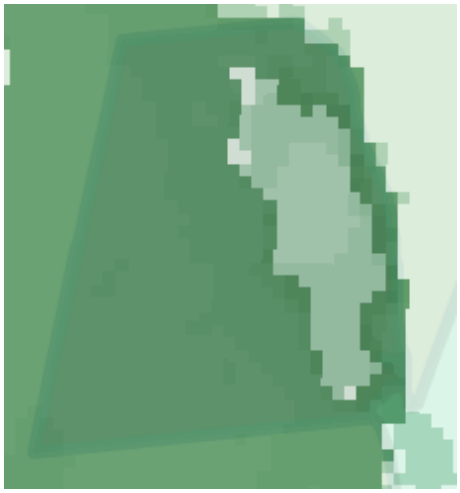


Figure 2: Ecological Score (NYNHP Prioritization Mapper)

Cherry Plain State Park scores moderate-high on both the comprehensive score and ecological score according to the NYNHP Prioritization Mapper. Below, a screenshot of the NYS DEC Environmental Resource Mapper shows all the natural resources available on the property. Black River Pond is a freshwater wetland (39.1 acres). Cherry Plain State Park features a hemlock-northern hardwood forest (High Quality Occurrence of Uncommon Community Type) as part of the Central Rensselaer Plateau Forest, in the vicinity of plants listed as endangered, threatened, or rare by NYS, and in the vicinity of Bats Listed as Endangered or Threatened. The property is also surrounded by the Capital District Wildlife Management Area which features varies significant ecological communities and may provide habitat for various rare, threatened and/or endangered species.

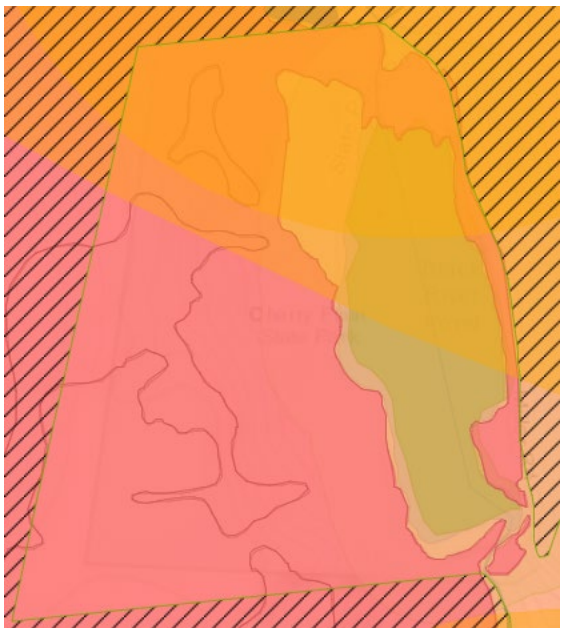


Figure 3: NYS DEC Environmental Resource Mapper

Section 2: Survey Result Summary

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)	For Highly Probable Areas Area Treated (acres/miles if linear)
Multiflora rose (*Rosa multiflora*)	4	Very High	Shrub	Vegetative	26-50%	Dense plants/ clumps	0.045 acres	0.065 acres
Japanese barberry (*Berberis thunbergii*)	4	Very High	Shrub	Fruiting	51-75%	Monoculture	0.045 acres	0.045 acres
Common buckthorn (*Rhamnus cathartica*)	4	Very High	Shrub	Vegetative	51-75%	Dense plants/ clumps	0.045 acres	0.045 acres
Coltsfoot (*Tussilago farfara*)	4	NA	Herb	Vegetative	51-75%	Monoculture	0.02 acres	0 acres
Beech leaf disease nematode(*Litylenchus crenatae mccannii*)	2	NA	Animal	NA	NA	NA	0.06 acres	0 acres
Hemlock woolly adelgid (*Adelges tsugae*)	4	High	Insect	4	NA	NA	0.02 acres	0 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:

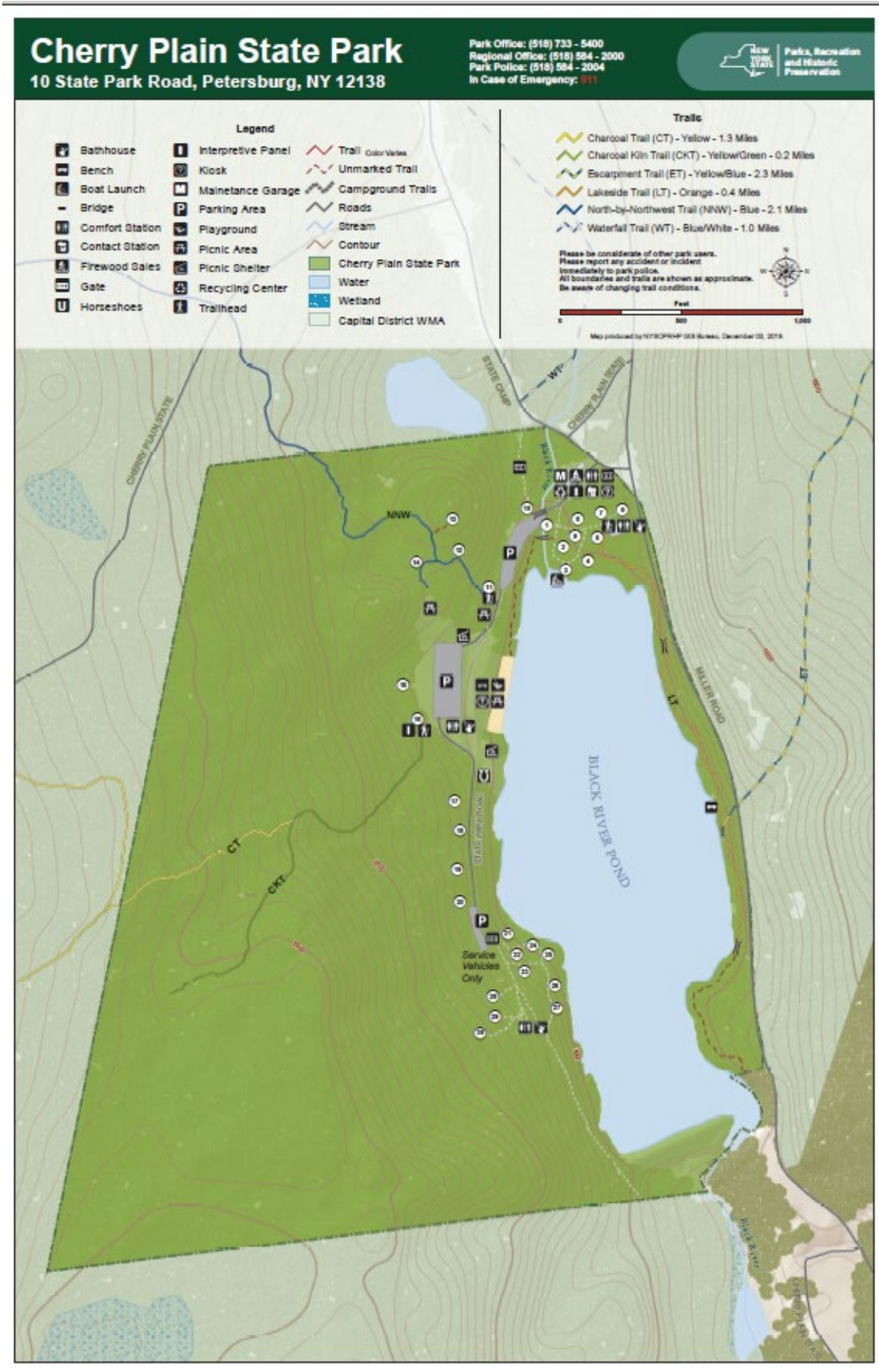
iMapInvasives Percent Cover Ranges: <5%, 5%-25%, 26%-50%, 51%-75%, 76%-100% or use a specific percentage

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):


Cherry Plain State Park
10 State Park Road, Petersburg, NY 12138
Park Office: (518) 733 - 5400
Regional Office: (518) 584 - 2000
Park Police: (518) 584 - 2004
In Case of Emergency: 911
Parks, Recreation and Historic Preservation
Legend
Bathhouse
Bench
Boat Launch
Bridge
Comfort Station
Contact Station
Firewood Sales
Gate
Horseshoes
Interpretive Panel
Kiosk
Maintenance Garage
Parking Area
Playground
Picnic Area
Picnic Shelter
Recycling Center
Trailhead
Trail Color Varies
Unmarked Trail
Campground Trails
Roads
Stream
Contour
Cherry Plain State Park
Water
Wetland
Capital District WMA
Trails
Charcoal Trail (CT) - Yellow - 1.3 Miles
Charcoal Kiln Trail (CKT) - Yellow/Green - 0.2 Miles
Escarpment Trail (ET) - Yellow/Blue - 2.3 Miles
Lakeside Trail (LT) - Orange - 0.4 Miles
North-by-Northwest Trail (NNW) - Blue - 2.1 Miles
Waterfall Trail (WT) - Blue/White - 1.0 Miles
Please be considerate of other park users.
Please report any accident or incident immediately to park police.
All boundaries and trails are shown as approximate.
Be aware of changing trail conditions.
Feet
0
500
1,000
Map produced by NYSOPRHP GIS Bureau, December 03, 2019
CHERRY PLAIN STATE
STATE CAMP
WP
CHERRY PLAIN STATE
NNW
MILLER ROAD
LT
BLACK RIVER POND
CT
CKT
Service Vehicles Only
Black River

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.

The day of the management was cold and chilly with intermittent rain showers. The park itself is very small but future surveys should be focused primarily on the Capital District WMA.

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.

Management should continue on Japanese barberry; multiflora rose and common buckthorn to minimize introductions further into the forest and the surrounding wildlife management area.

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 staff will prioritize the Capital District Wildlife Management Area and Cherry Plain State Park for hemlock woolly adelgid surveys. Additionally, future surveys for terrestrial invasive species should be scheduled along the various trails of Cherry Plain State Park and the Capital District Wildlife Management Area.