



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: 6/20/2024, 7/23/24 & 8/22/24	Property Owner Name, Title, and Contact: Rich McDermott, NYS DEC Region 5 State Forester rich.mcdermott@dec.ny.gov
Site Name: Daketown State Forest	
Site Address (if different): <ul style="list-style-type: none"> Kilmer Road Parking Lot (43.101298°N, 73.928345°W) Daketown Road Parking Lot(43.103206°N, 73.923557°W) Old Daketown Road Parking Lot (43.109702°N, 73.913358°W) Northside Daketown Road Parking Lot (43.103206°N, 73.923557°W) 	Survey Leader Name, Title, and Contact: Christopher Benincasa, Invasive Species Technician cjb393@cornell.edu
Latitude/Longitude: 43.108750, -73.914467 / 43.101289, -73.928221 / 43.108773, -73.914467	County: Saratoga
Total Parcel Size (acres): 506 acres	Team Member Name(s): Stephen Root, Riley Willard, Joe Simmonds
Worksite Size (acres): 0.79 acres	Permit(s)/Permission(s) Acquired? Yes, NYS DEC Temporary Revocable Permit
Report Author: Chris Benincasa	Data Recorder & iMapInvasives ID: Joe Simmonds (29191) 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:

- 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.

The 506-acre Daketown State Forest is conveniently located about 20 minutes west of the heart of Saratoga Springs. The property hosts a variety of tree species, as well as several large rustic foundations





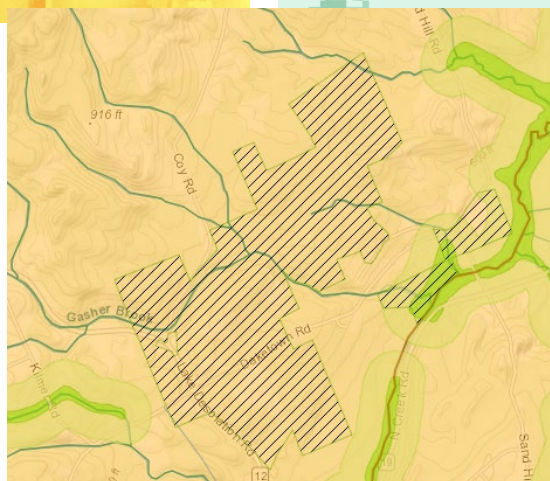
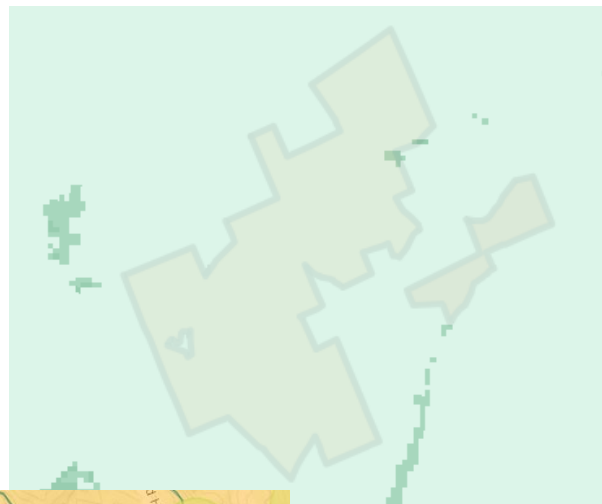
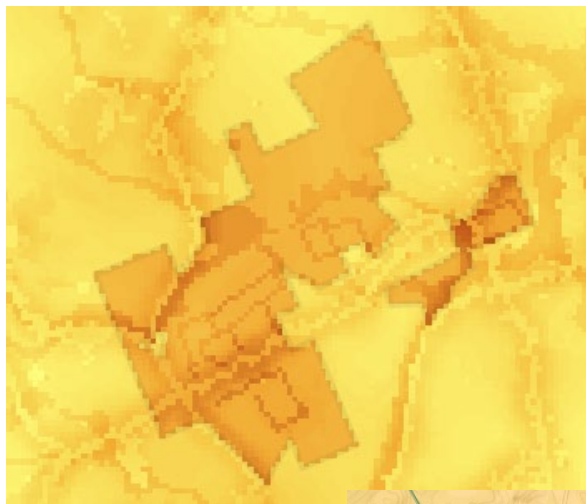
and property walls lining the trails. This area is a low traffic state forest with log trails extending throughout the land. There are a couple of clear-cut openings where infestations of autumn olive and shrubby bushclover have occurred. The trails are used mostly by hunters in the spring and fall.

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.).

A highly probable area search was conducted within the parking lots of the state forest.

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.)?

No, this area has been managed by PRISM staff previously for shrubby bushclover, but the PRISM has not conducted surveys at this state forest in a few years so as part of re-evaluating priority areas a highly probable area search was conducted here. The screenshots below are taken from the NYNHP Prioritization Mapper and the NYS DEC Resource Mapper; they show the comprehensive score, ecological score and any natural resources that are located on the property. Daketown State Forest scores moderately for the comprehensive score, low for ecological score and the forest is in the vicinity of bats listed as endangered or threatened.





Section 2: Survey Result Summary

Comprehensive List of Invasives Species Detected:

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Common buckthorn	<i>Rhamnus cathartica</i>	4	Very High	Shrub	<5%	Trace	0.02 acres
Morrow's honeysuckle	<i>Lonicera morrowii</i>	4	Very High	Shrub	26-50%	Dense plants/clumps	0.62 acres
Multiflora rose	<i>Rosa multiflora</i>	4	Very High	Shrub	5-25%	Sparse	0.28 acres
Oriental bittersweet	<i>Celastrus orbiculatus</i>	4	Very High	Vine	26-50%	Dense plants/clumps	0.68 acres
Autumn olive	<i>Elaeagnus umbellata</i>	4	Very High	Shrub	26-50%	Dense plants/clumps	0.45 acres

Daketown Rd Parking Lot:

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Morrow's honeysuckle	<i>Lonicera morrowii</i>	4	Very High	Shrub	76-100%	Dense plants/clumps	0.23 acres
Multiflora rose	<i>Rosa multiflora</i>	4	Very High	Shrub	51-75%	Dense plants/clumps	0.23 acres
Oriental bittersweet	<i>Celastrus orbiculatus</i>	4	Very High	Vine	76-100%	Dense plants/clumps	0.23 acres
Autumn olive	<i>Elaeagnus umbellata</i>	4	Very High	Shrub	51-75%	Dense plants/clumps	0.23 acres

Kilmer Rd Parking Lot:

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Oriental bittersweet	<i>Celastrus orbiculatus</i>	4	Very High	Vine	51-75%	Dense plants/clumps	0.038 acres



Large Autumn Olive Field:

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Autumn olive	<i>Elaeagnus umbellata</i>	4	Very High	Shrub	26-50%	Monoculture	0.20 acres
Morrow's honeysuckle	<i>Lonicera morrowii</i>	4	Very High	Shrub	26-50%	Monoculture	0.20 acres

Old Daketown Rd Parking Lot:

Common Name & Scientific Name	Tier Rank	Threat Ranking	Growth Form	Phenology/ Life stage	Percent Cover (%)	Distribution/ Abundance	Area Infested (acres/miles if linear)
Morrow's honeysuckle	<i>Lonicera morrowii</i>	4	Very High	Shrub	26-50%	Dense plants/clumps	0.19 acres
Multiflora rose	<i>Rosa multiflora</i>	4	Very High	Shrub	5-25%	Sparse	0.046 acres
Oriental bittersweet	<i>Celastrus orbiculatus</i>	4	Very High	Vine	26-50%	Dense plants/clumps	0.41 acres
Autumn olive	<i>Elaeagnus umbellata</i>	4	Very High	Shrub	5-25%	Trace	0.02 acres
Common buckthorn	<i>Rhamnus cathartica</i>	4	Very High	Shrub	<5%	Trace	0.02 acres



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: Old Daketown Rd Parking Lot
Invasives Present: Morrow’s honeysuckle, common buckthorn, multiflora rose, oriental bittersweet, autumn olive



Figure 2: Daketown Rd Parking Lot
Invasives Present: Morrow’s honeysuckle, multiflora rose, oriental bittersweet, autumn olive



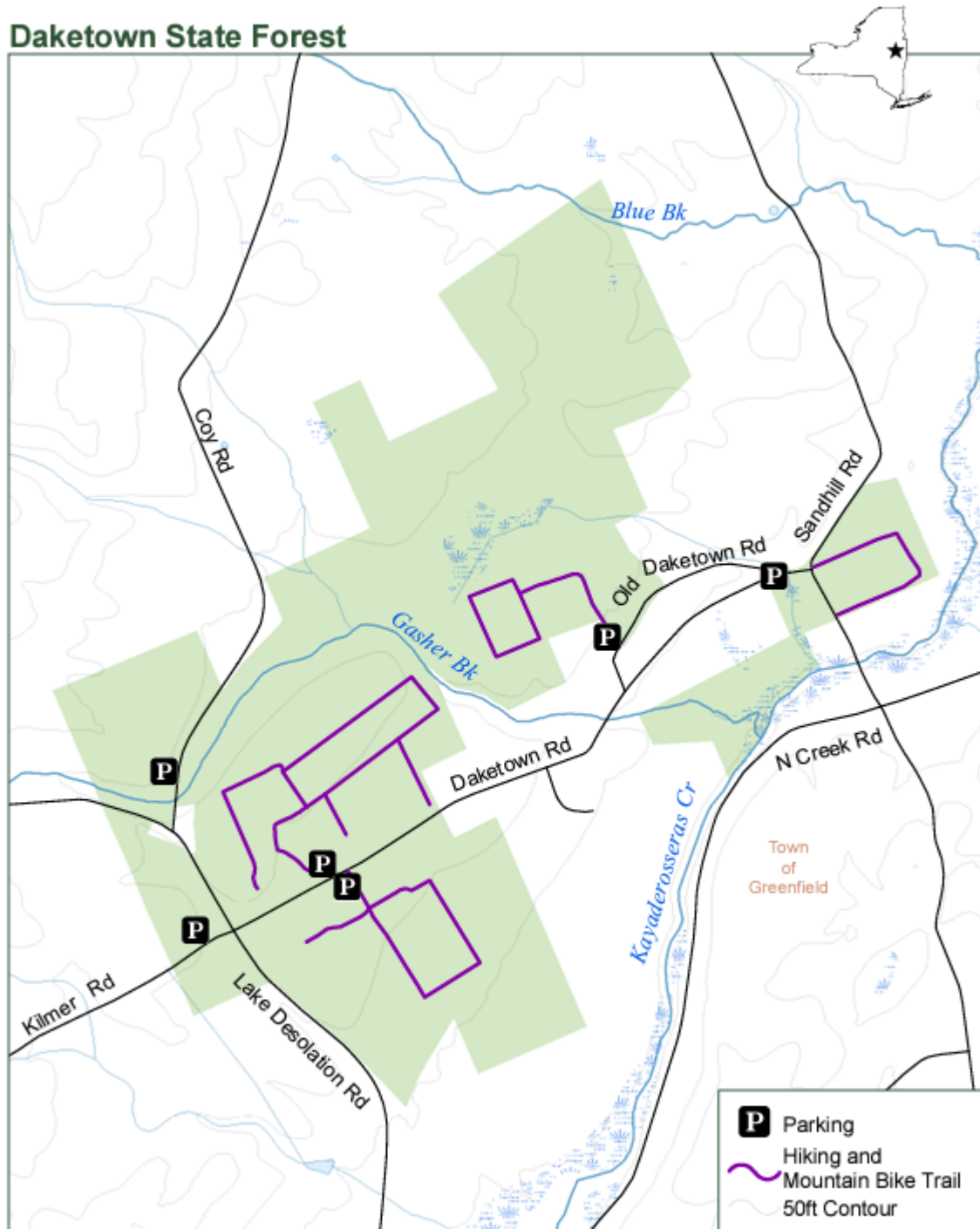
Figure 3: Kilmer Rd Parking Lot
Invasives Present: Oriental bittersweet



Figure 4: Autumn Olive Field
Invasives Present: Autumn olive, oriental bittersweet



Daketown State Forest



Department of
Environmental
Conservation



0 0.125 0.25 0.5
Miles

Saratoga County
12/21



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 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.

Invasive species are widespread throughout this parcel. However, this is a good area to manage for reduced vector transport from hunters. Consider managing the around the trails and the parking lots to create buffers around these higher traveled areas. Great location for training Invasive Species Technicians on IPM and identification of invasive species.

Specifically for the autumn olive area, it is a large area that will be managed slowly over time. Another barrier is the amount of biomass that was removed at this site. When large shrubs were removed, the debris was placed in a pile in a nearby clearing, and while making sure to not pile debris on the previously treated stump (to make future removal efforts easier) the piles quickly became too large and stacked too high for more debris to be placed on them.

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.

This is a low priority area for treatments due to the large amount of invasive species present, but this area should continue to be monitored for any high threat species that may occur. Consider renting or borrowing a woodchipper for managing the autumn olive field to make the process more streamlined and future removal efforts potentially more fruitful.

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-RPISM office for a template of our Invasive Species Management Plan.

PRISM staff will continue to manage any high threat species detected. This is a lower priority area within the region but will be monitored as time permits.

