

How to Survey a Property to Prepare an IPCPP

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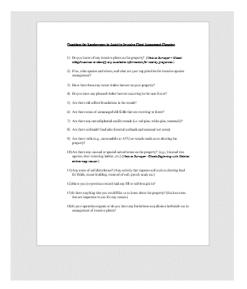
18 Elkins Lane Augusta, ME 04333 (207) 287-3200 www.maine.gov/dacf

The Two Phases

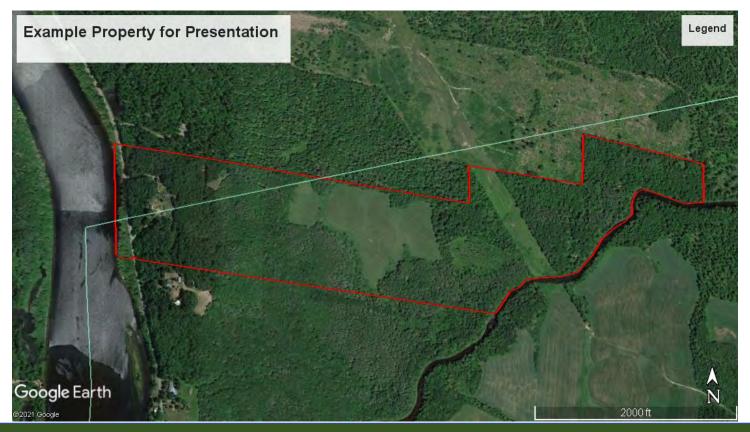
1. <u>In the Office</u> – Pre-survey Data/Information Review

2. <u>In the Field</u> – Survey Methods and Data Collection

1. Review Landowner Questionnaire Form or similar (example form provided on project website)

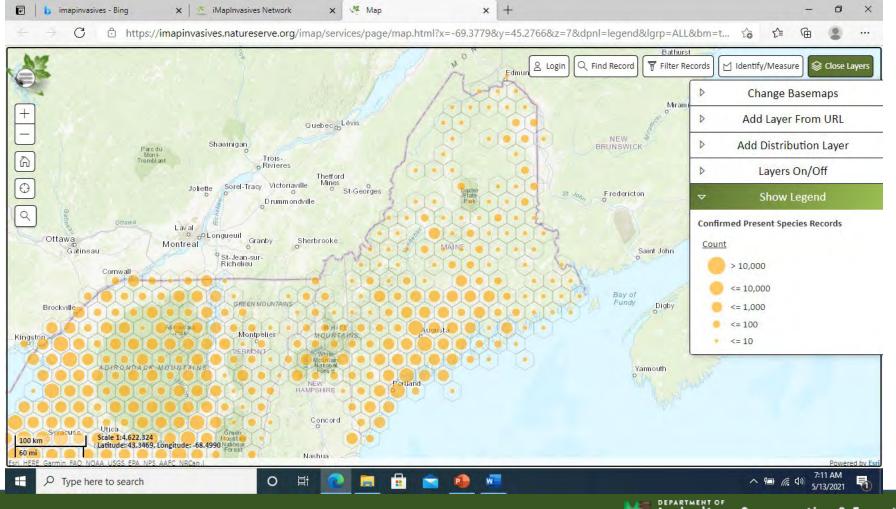


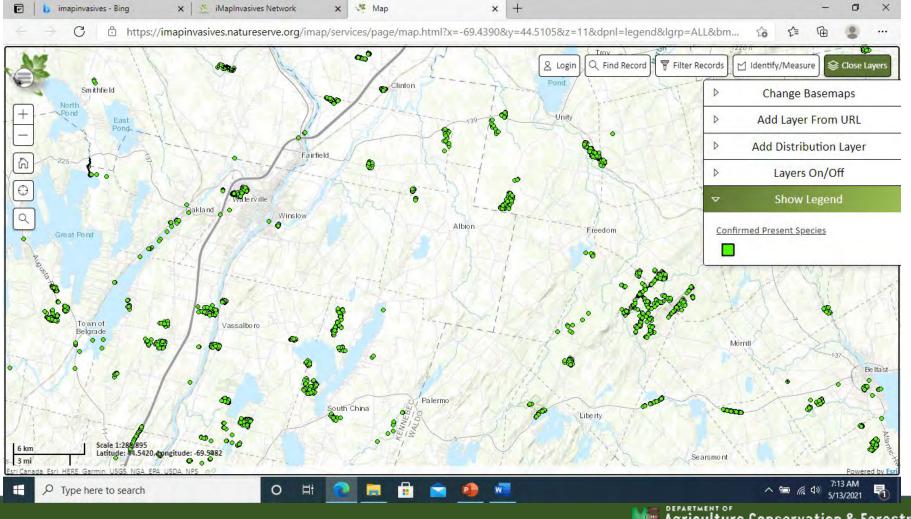
Example property

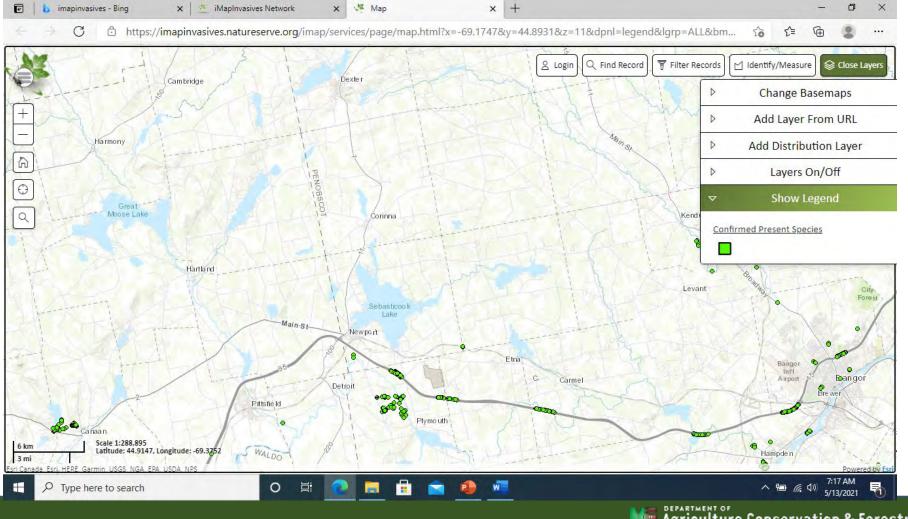


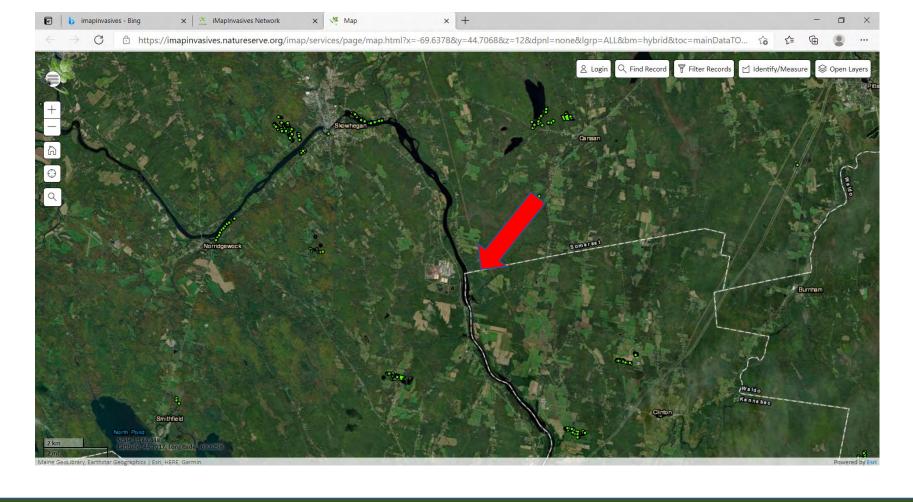
2. Check iMapInvasives for data in area











3. Check Beginning With Habitat online map viewer https://webapps2.cgis-

solutions.com/beginningwithhabitat/

Beginning With Habitat BWH Website

Map Viewers

Riparian habitats

Conserved

Undeveloped

Land and

habitat



Map 1- Riparian Habitats

Beginning with Habitat Map 1 depicts major surface water features and drainage areas, associated shoreline habitats and riparian zones, and aquifers and wells that supply public drinking water.

Open Viewer



Map 3- Conserved Land and Undeveloped Habitat

Beginning with Habitat Map 3 depicts the State of Maine's conserved lands database including lands in federal, state, and nonprofit ownership.

Open Viewer



Map 2- Plant and Animal Habitats

Beginning with Habitat Map 2 depicts known rare, threatened, or endangered plant and animal occurrences, as well as "Significant Wildlife Habitat," "Essential Wildlife Habitat," and other important wildlife habitats.

Open View

Special Plant and Animal habitats

- A C

Search...











Welcome Layers Legend

Layer Details:

Toggle layers on and off. Layers with gray checkbox will appear once zoomed to visible scale.

Endangered Fish Species

Maine State Listed Plants

Significant Vernal Pools

Deer Wintering Areas

Essential Plover and Tern Habitat

Exemplary Natural Communities

State Listed Animal Habitats

Inland Wading Bird and Waterfowl Habitat

Shorebird Habitat

Seabird Nesting Islands

Shellfish Beds

Tidal Wading Bird and Waterfowl Habitat

Atlantic Salmon Spawning Habitat

Atlantic Salmon Rearing Habitat

Wild Brook Trout Habitat

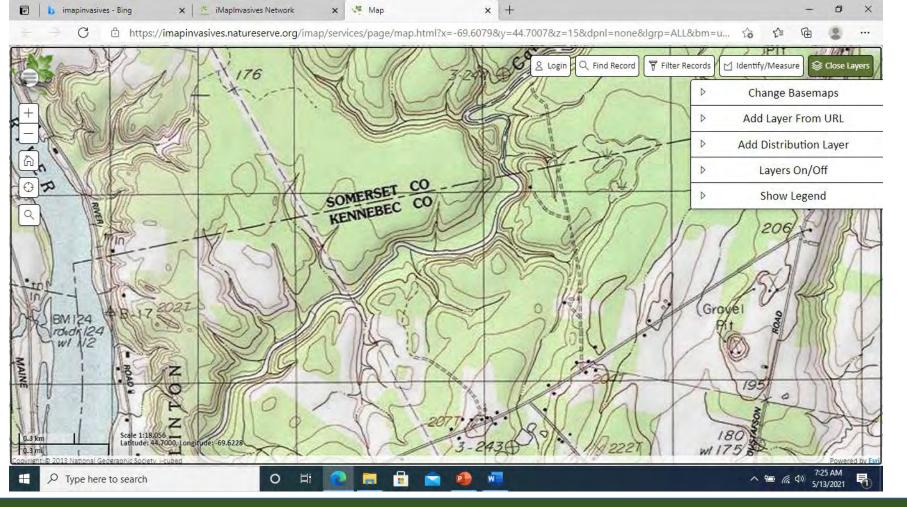
Hover:

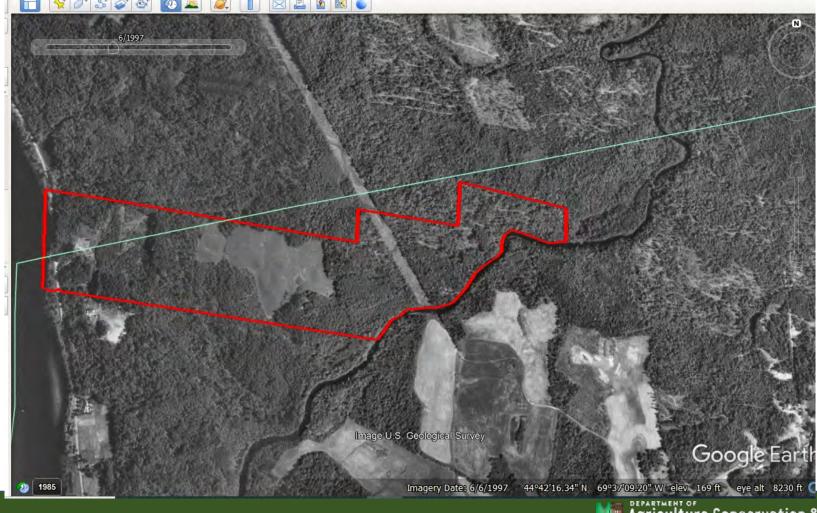
Check this box to enable your mouse to hover over features on the map. Click on the feature to identify more information.



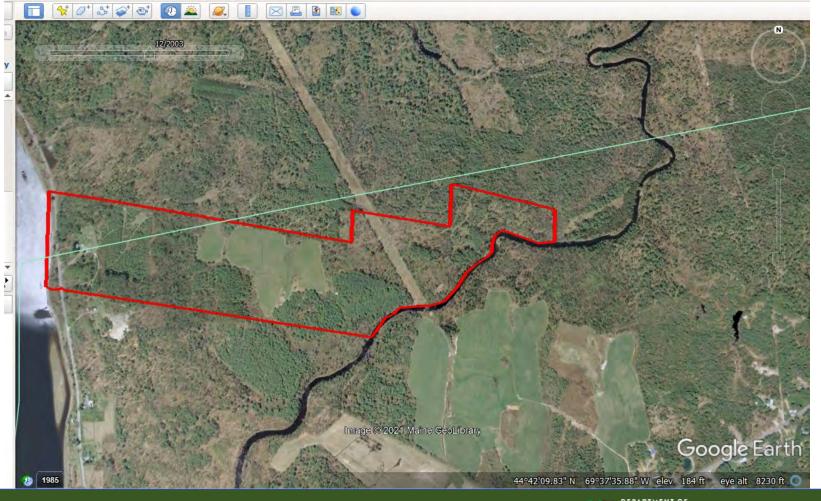


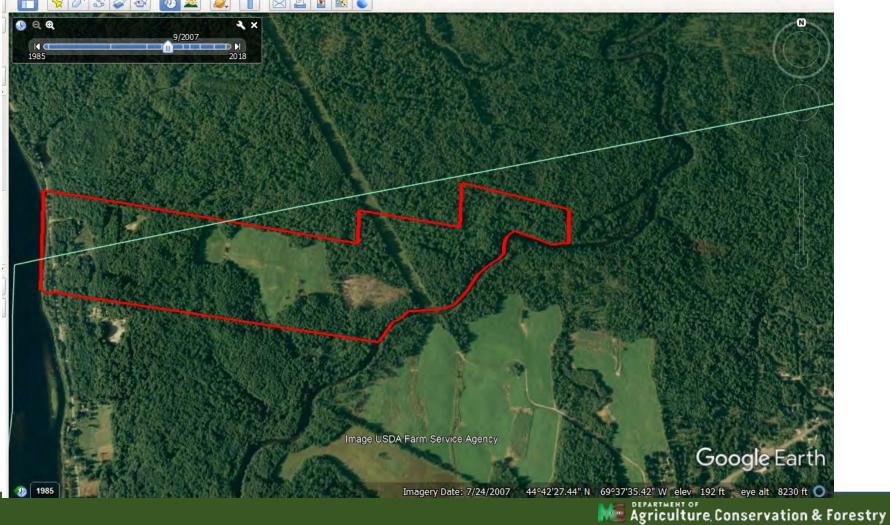
4. Review maps: aerial photos, topos, digital imagery (ex. Google Earth)

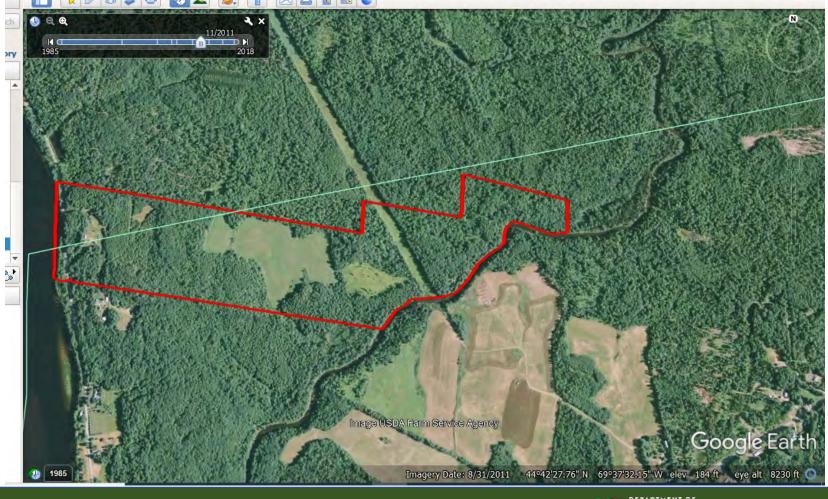


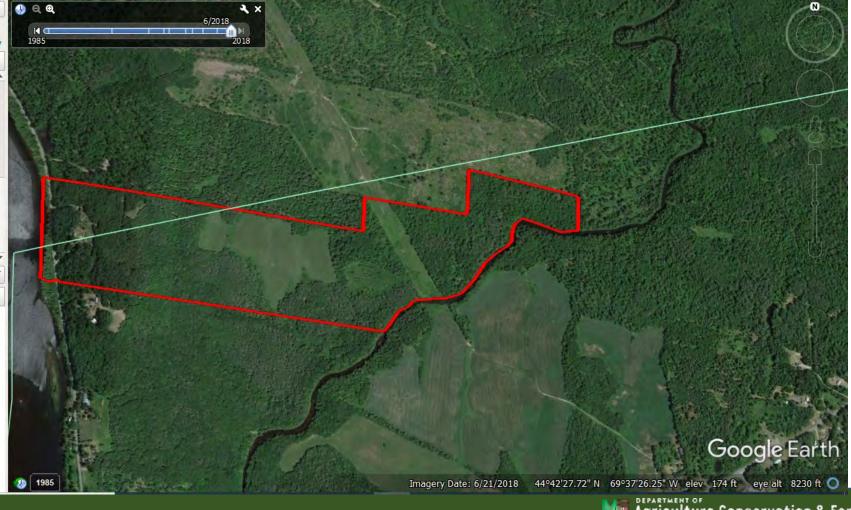


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5. Create priority lists of Highly Probable Areas and High-Quality areas to survey

Highly Probable areas:

- Utility ROWs
- Field edges
- Hedgerows
- Old logging landings
- Road/Trail system
- Old homestead locations
- Current homestead location
- Evergreen stands/plantations

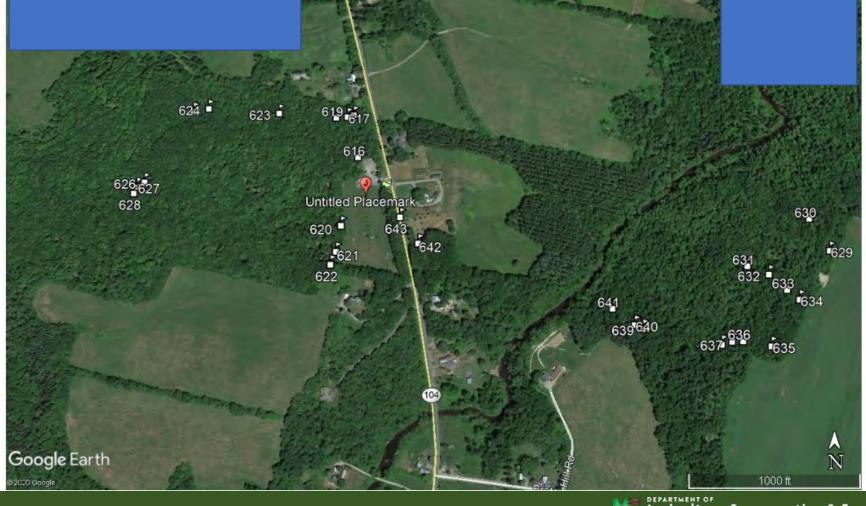
High Quality areas:

- Riparian Zones
- BWH features
- Forest interior

- 6. Determine property boundary and create field maps
- a. Tax Map Imagery Town websites, MEGIS Layers (Organized and Unorganized Townships)
- b. Property Owner Information existing survey, forest management plan, marked boundary lines

How to survey a property - onsite

- 1. Drive or walk any road frontage on the property
- 2. Different methods may be used, i.e., high priority areas vs grid search, etc.
- 3. Realistic minimum mapping unit
- 4. Points vs polygons vs lines (use buffers)
 - percentage cover/plant age/species mix
- 5. Keep a track of the survey route as it is required for mapping and verification of survey

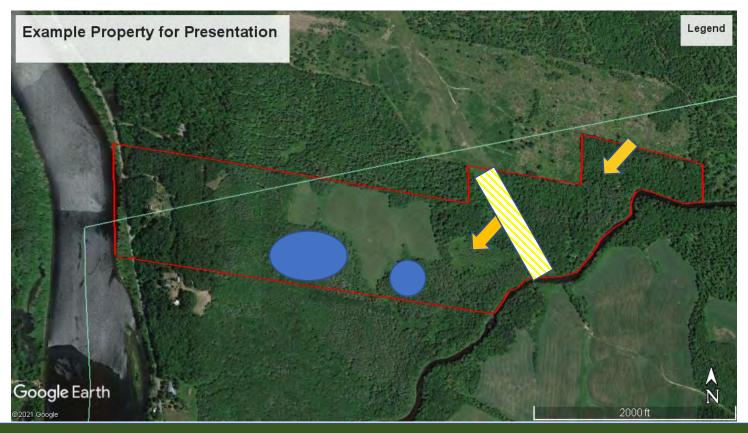


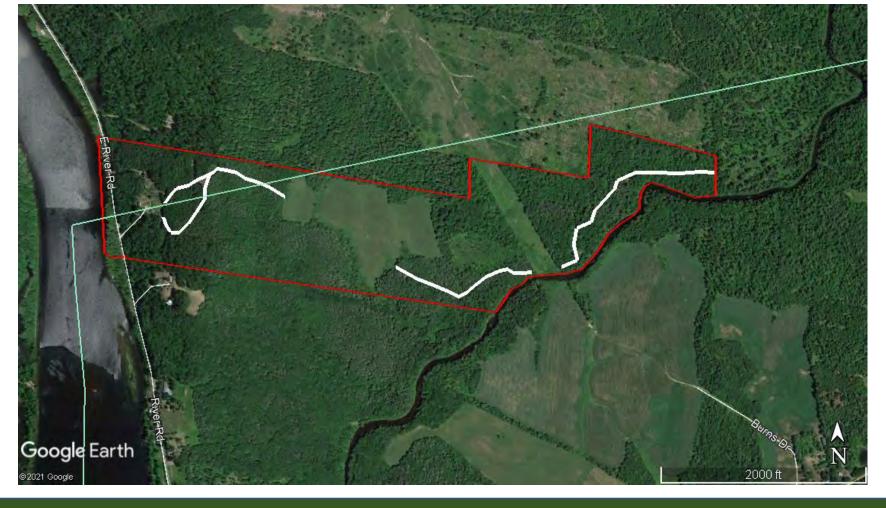


How to survey a property - onsite

- 6. Check identified highly probable and high-quality areas
- 7. Ensure that minimum survey time (based upon acreage and infestation level) is met
- 8. Flag example species of invasive plants found and/or isolated occurrences, edges of occurrences, etc. to assist in re-locating for treatment. Ask landowner prior to survey if they would like this.

Example property





Minimum Survey Time Guidelines

Table 1. Minimum survey effort based on 100-250 acres/qualified FORP/day (refer to program manual for more detail

Level of Infestation	Acres	50	100	150	200	500
Low		2-4 hours	4 hours	6 hours	8 hours	20 hours
Medium		3-4 hours	5-8 hours	7-12 hours	9-16 hours	22-32 hours
High		4+ hours	8+ hours	12+ hours	16+ hours	32+ hours



Marking Invasive Plants

- 1. Marking isolated occurrences
- Marking edges of infestations (polygons, hedgerows, etc)
- 3. Marking example plants for landowner (if requested)



Thank You!

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