

Picking our battles

Making our Efforts Count and Getting Satisfaction in a Job Well Done

Simple & Sensible Framework for Planning and Implementation

Common sense strategies

PAUSE



Picking Our Battles

A Guide to Planning
Successful Invasive Plant
Management Projects

Taking a large scale approach and prioritizing shared invasive plant “battles” will allow restoration projects to be more effective in the long-term and maximize the efficient use of resources.

Identify

Where to start work

Identifying priority areas based on:

- **Rare or declining species or habitats;**
Climate resiliency
- **Riparian corridors;**
- **High profile and high value
conservation areas**
- **Disturbance vectors**



Priority Areas for Invasive Plant Management MAPS

- Suasco watershed
 - Rare species priority habitats
 - BioMap 2
 - EDDMaps (hot spots? ED?)
- Add town-level priority areas
 - Larger size; better quality; flagship;
 - significant habitats; educational/cultural

Massgis oliver

OLIVER: MassGIS's Online Mapping Tool [OLIVER Updates](#)

The screenshot displays the OLIVER online mapping tool interface. At the top, there is a search bar with the text "Search for a location" and a "Zoom to a town" dropdown menu. Below the search bar is a map of Massachusetts, centered on the area around Sudbury, Maynard, and Lincoln. A large black 'X' is overlaid on the map. The map shows various features including roads, water bodies, and green areas. In the bottom right corner of the map area, there is a scale bar showing 1 km and 1 mi, and the text "Scale = 1:144,448" and "206,449.95m 906,729.93m".

On the right side of the interface, there are two panels:

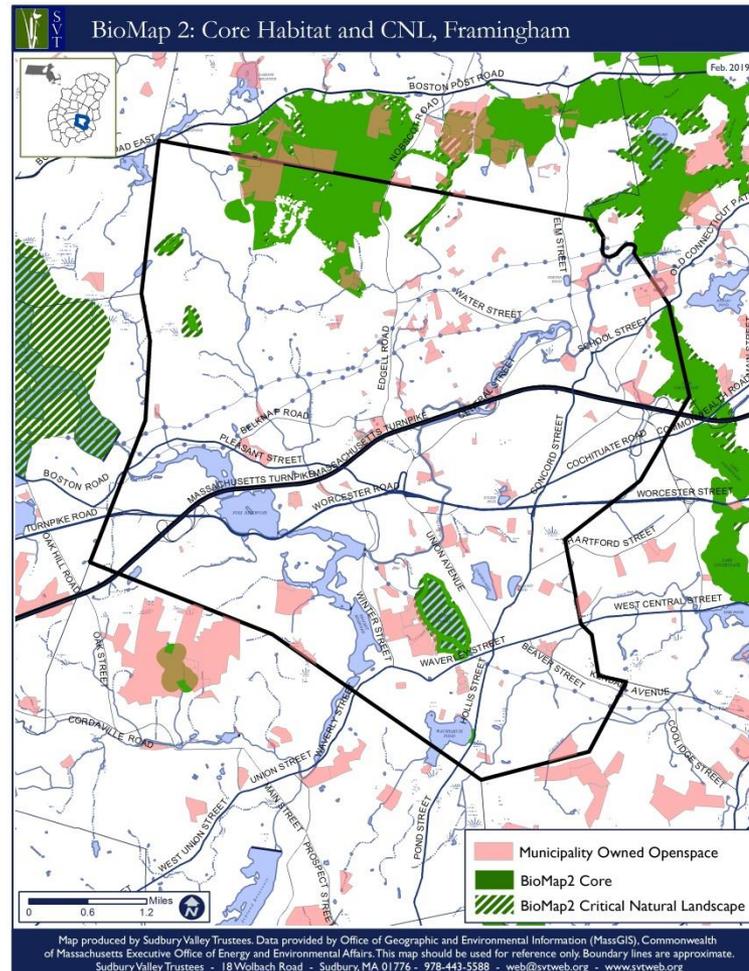
- Available Data Layers:** This panel contains a search bar and a list of data layers with checkboxes:
 - Tiled Layers
 - State Facilities
 - Census 1990
 - Census 2000
 - Census 2010
 - Coastal and Marine Features
 - Conservation / Recreation
- Active Data Layers:** This panel contains a search bar and a list of active data layers with checkboxes:
 - USGS Water Bodies 25k
 - USGS Rivers and Streams
 - Major Streams

Below the Active Data Layers panel is a **Legend** section for "USGS Water Bodies 25k":

- LAKE, POND, OCEAN
- RESERVOIR
- WETLAND
- SALT WETLAND
- SUBMERGED WETLAND

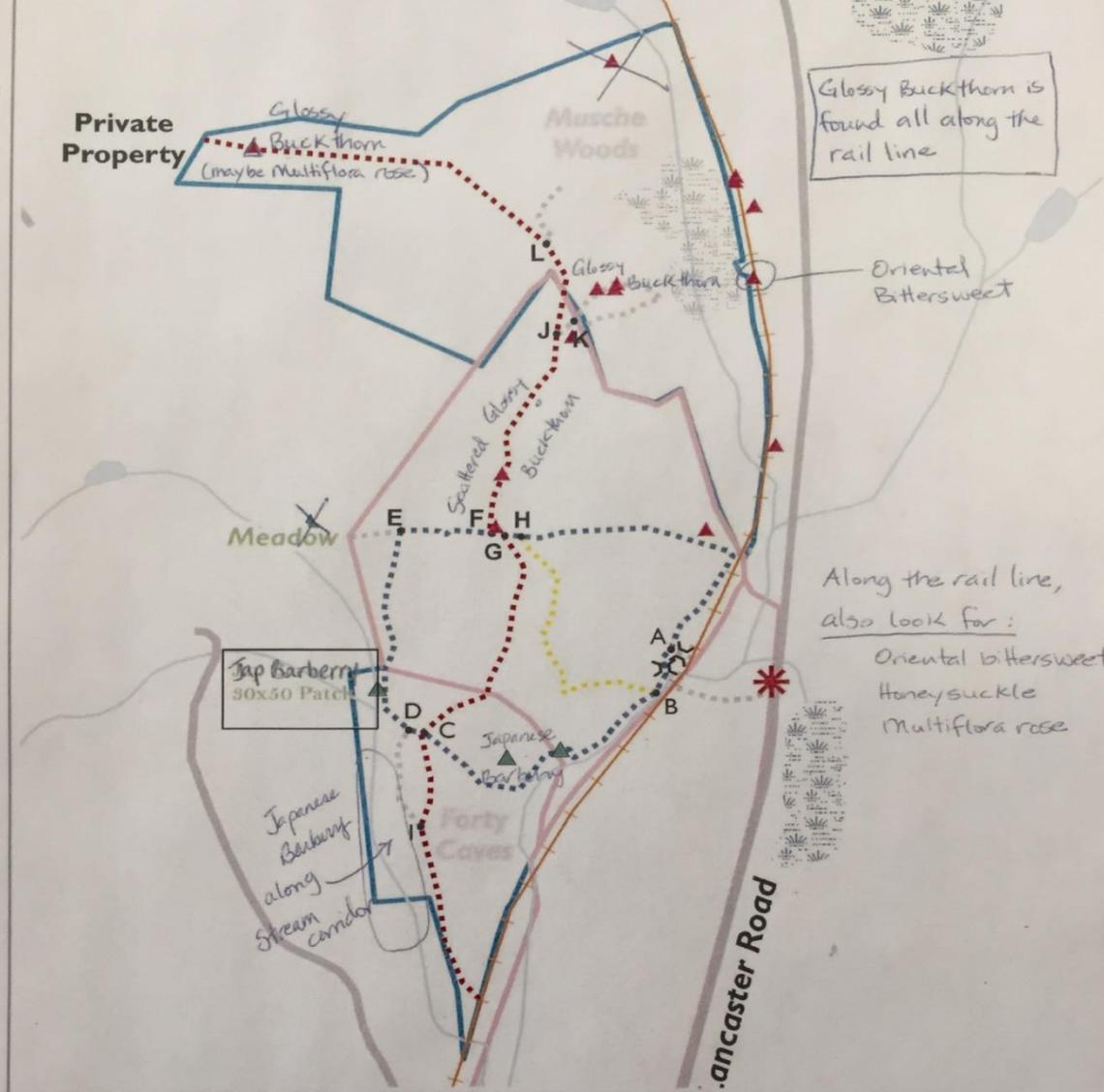
At the bottom of the interface, there are navigation tools including a search bar, a compass, and a "Basemaps" dropdown menu.

SVT Will provide your town with set of maps!



Site Mapping

- Map and Pencil
 - Rough scale GPS points and polygons
 - Grid
- - - > Management Goal



Glossy Buckthorn is found all along the rail line

Along the rail line, also look for:
 Oriental bittersweet
 Honeysuckle
 Multiflora rose

- ▲ Smith Invasive
- ▲ Invasive Sep 11
- Blue Trail
- Red Trail
- Yellow Trail
- ACTIVE Railroad
- Road
- Pond
- Wetland
- Stream
- SVT Garfield Woods
- Berlin Conservation Land
- * Roadside Parking
- Bridge
- () Junction

Invasive Plant Map
Garfield Woods Reservation
Musche Woods and Forty Caves
Berlin, MA



Prioritize

Multiple scale strategies

- Early detection and rapid response
- Protect priority habitat first
- Start at headwaters and work downstream
- Start with small populations or deal with “spot fires”

Early detection & rapid response

- EDDMaps – Limited Usefulness but worth checking
- Inconsistent data collection

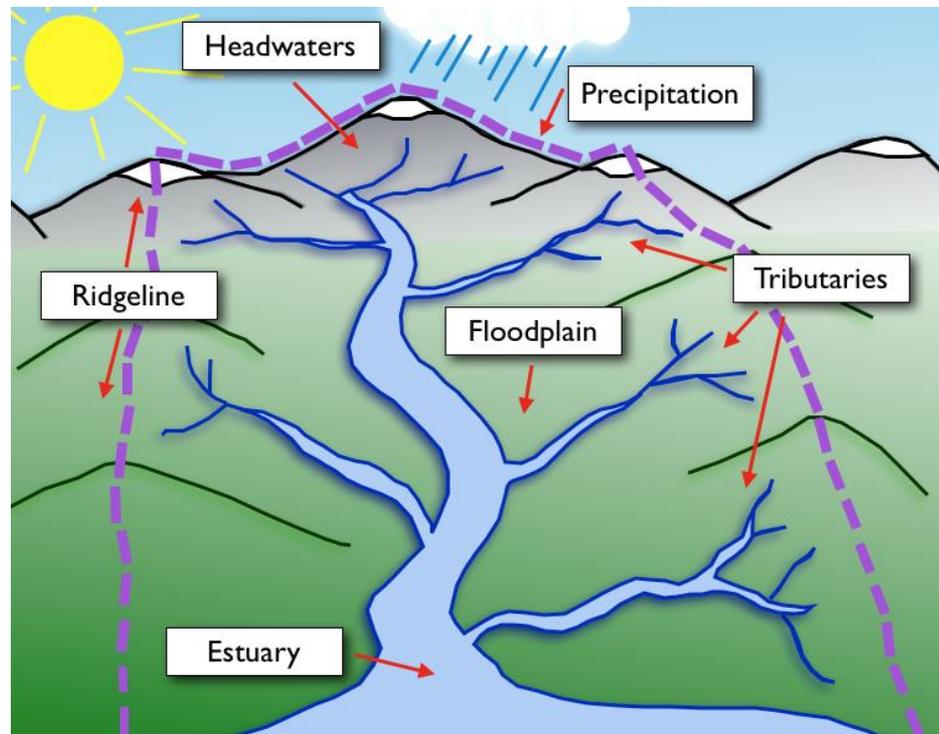


CISMA ©



Priority habitat first

Start at headwaters and work down stream



Start with small populations or spot fires

- Japanese Stilt grass at Centennial Place and Memorial Forest. Small patches
- Garlic mustard spots throughout the natural area
- Black Swallowwort at Desert Natural Area – only next to one parking area
- (Versus – Buckthorn all over the place!)

Site specific strategies

- Consider proximity to other populations of the same species (Neighbors)
- Prioritize areas of disturbance
(Area to be harvested or flooding zone)
- Consider plant distribution pattern
(Clumped vs. Sparse)

Action

- Choosing the right technique(s) for the job.
 - Plant life history traits will govern species-specific plan of attack
- **Commit to a multiple year effort**
- **Restoration after removal**

Volunteers



Pick your battles

