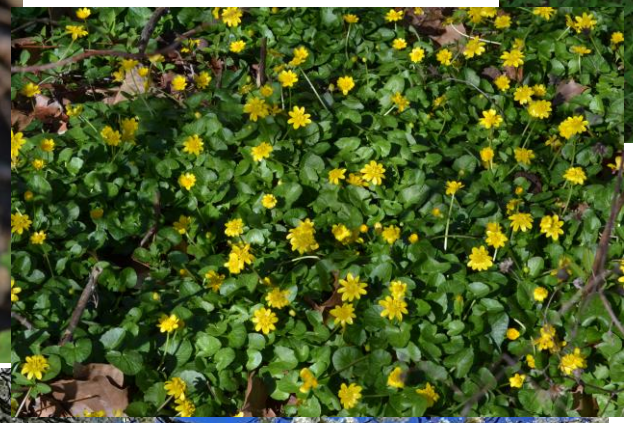
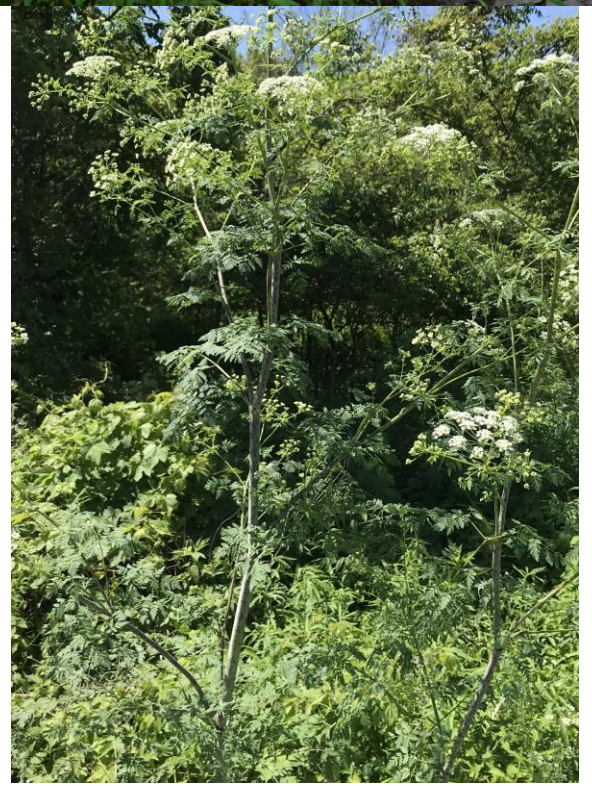
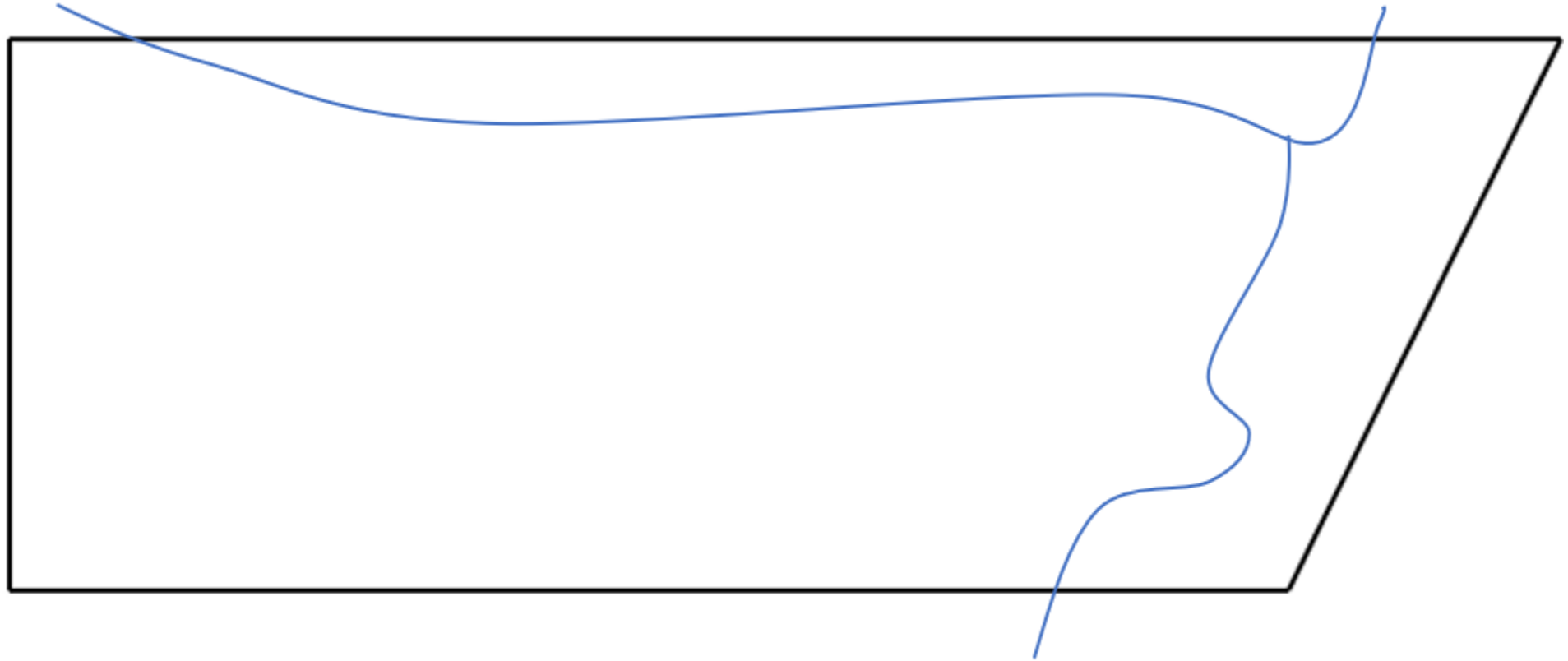
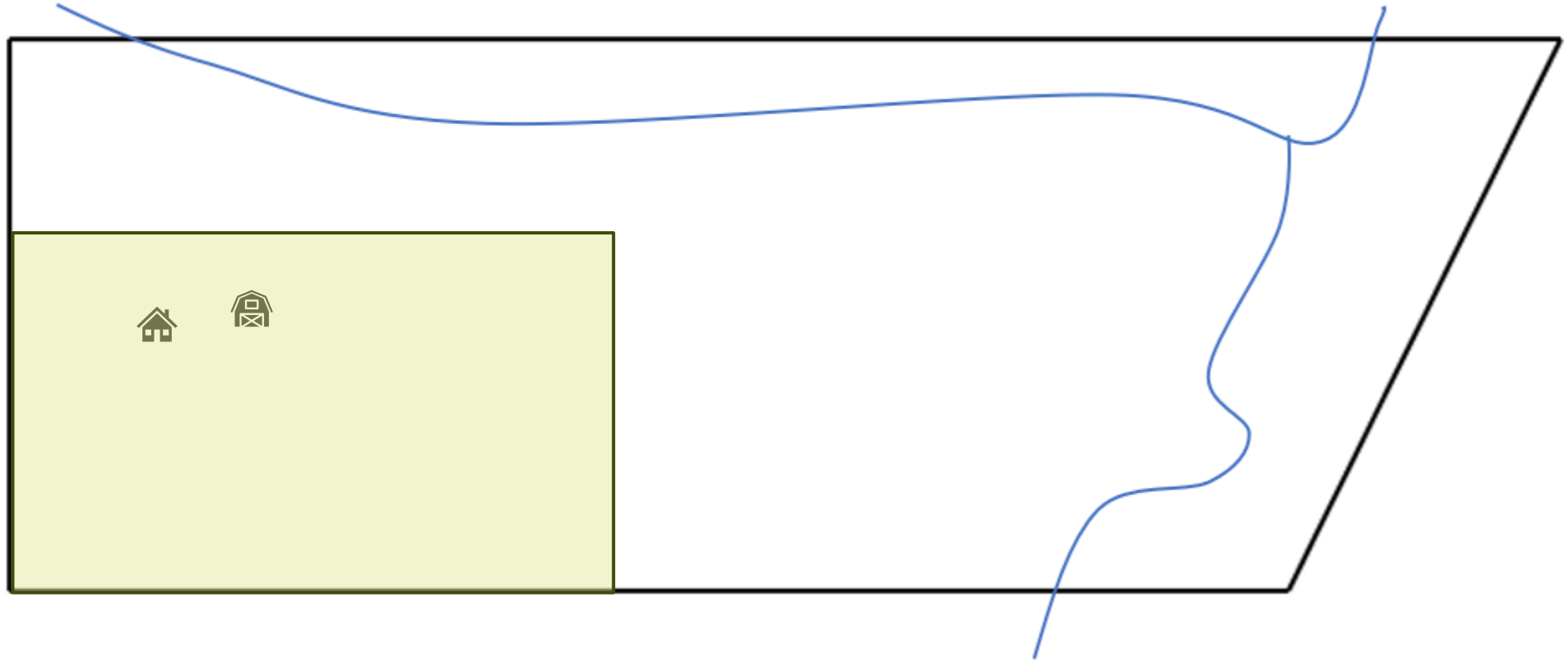
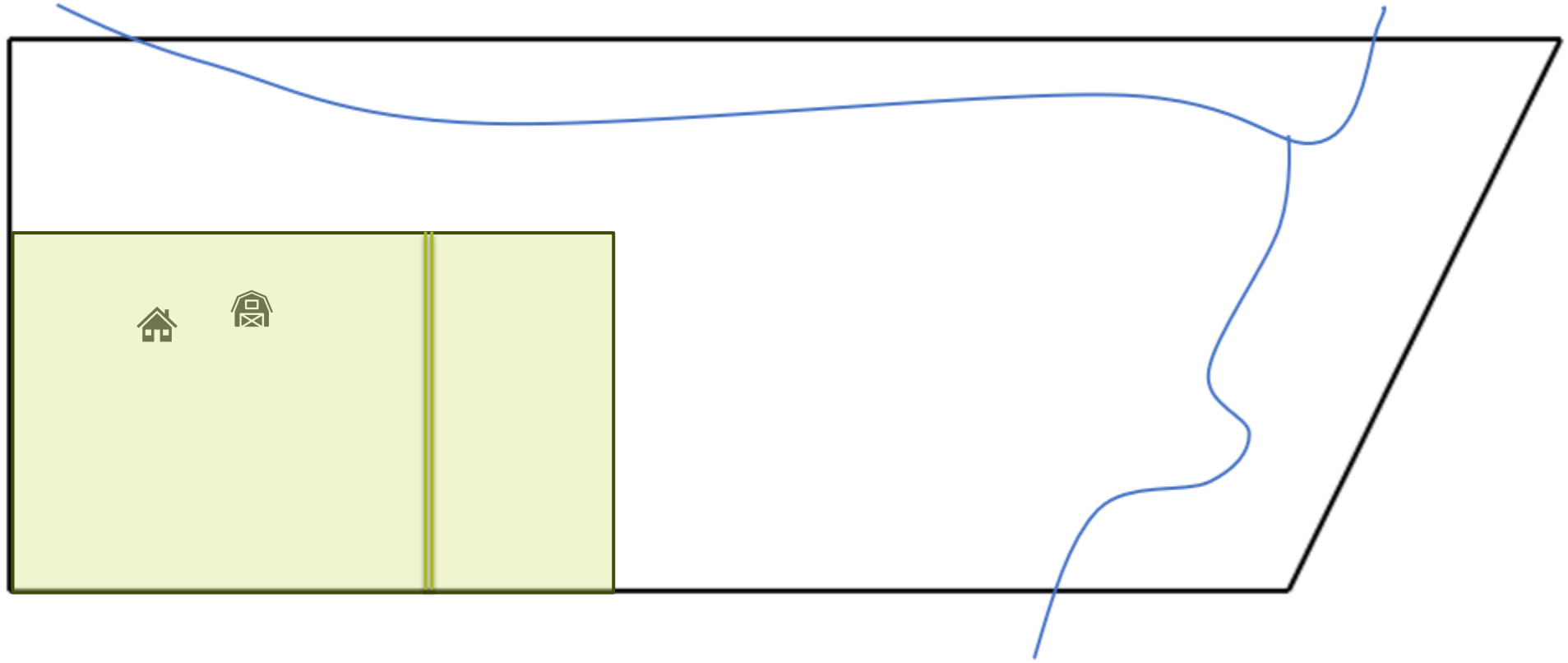
Invasives



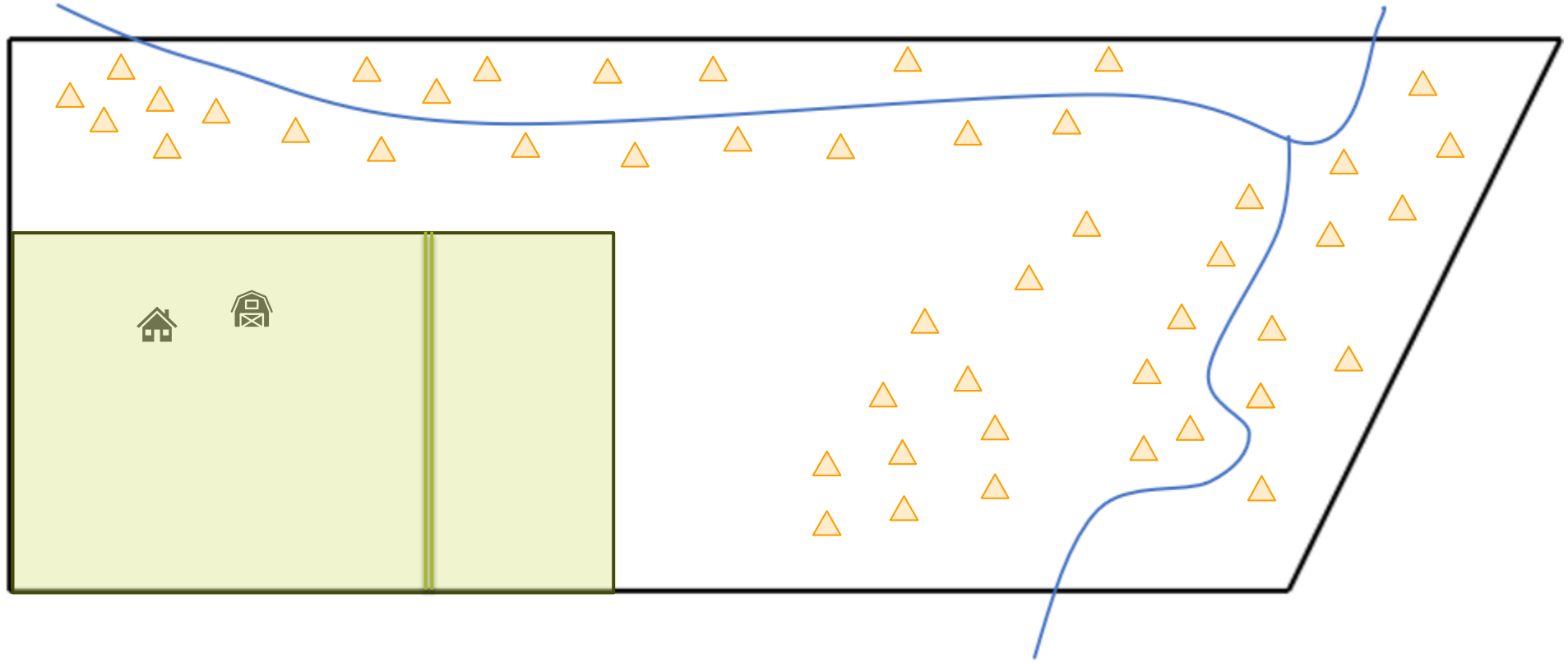




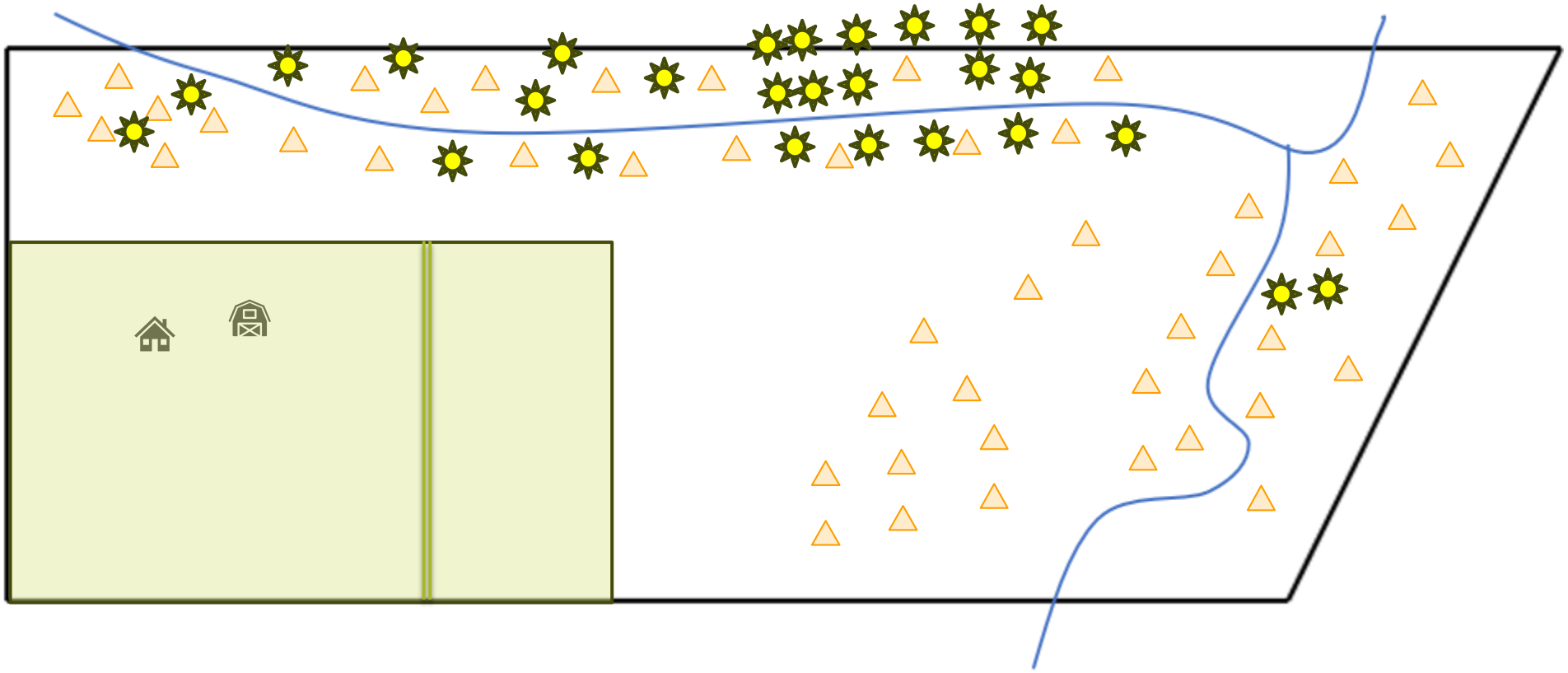




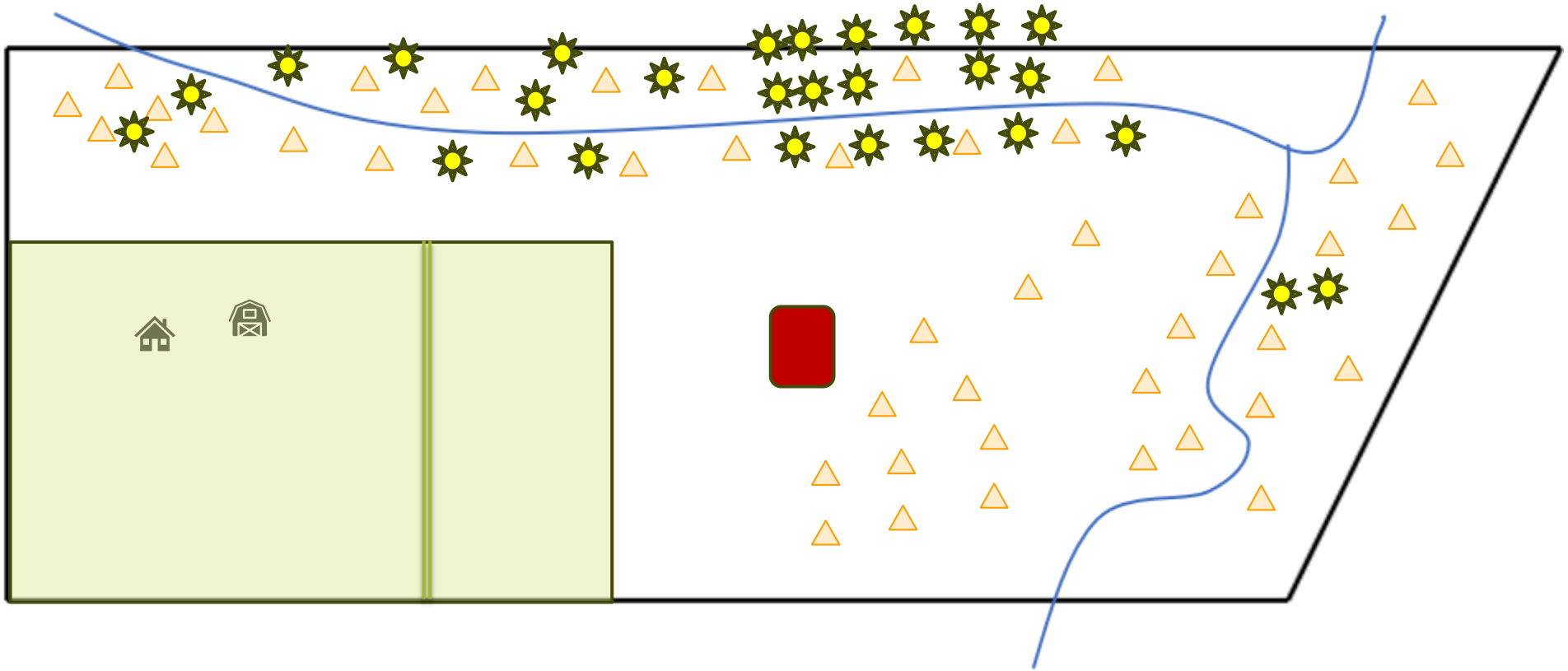
Amur Honeysuckle (Lonicera maackii)



Lesser Celandine (Ficaria verna)

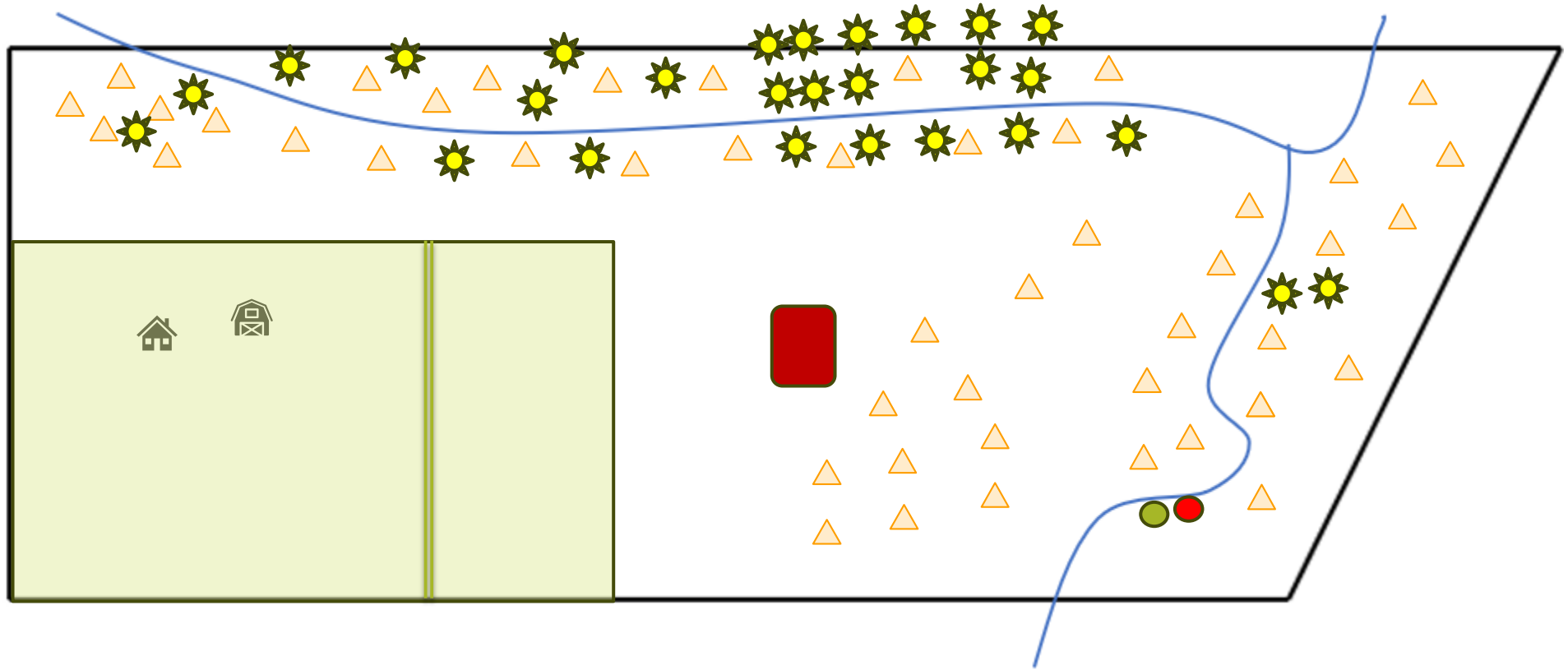


Japanese Knotweed (Fallopia japonica)

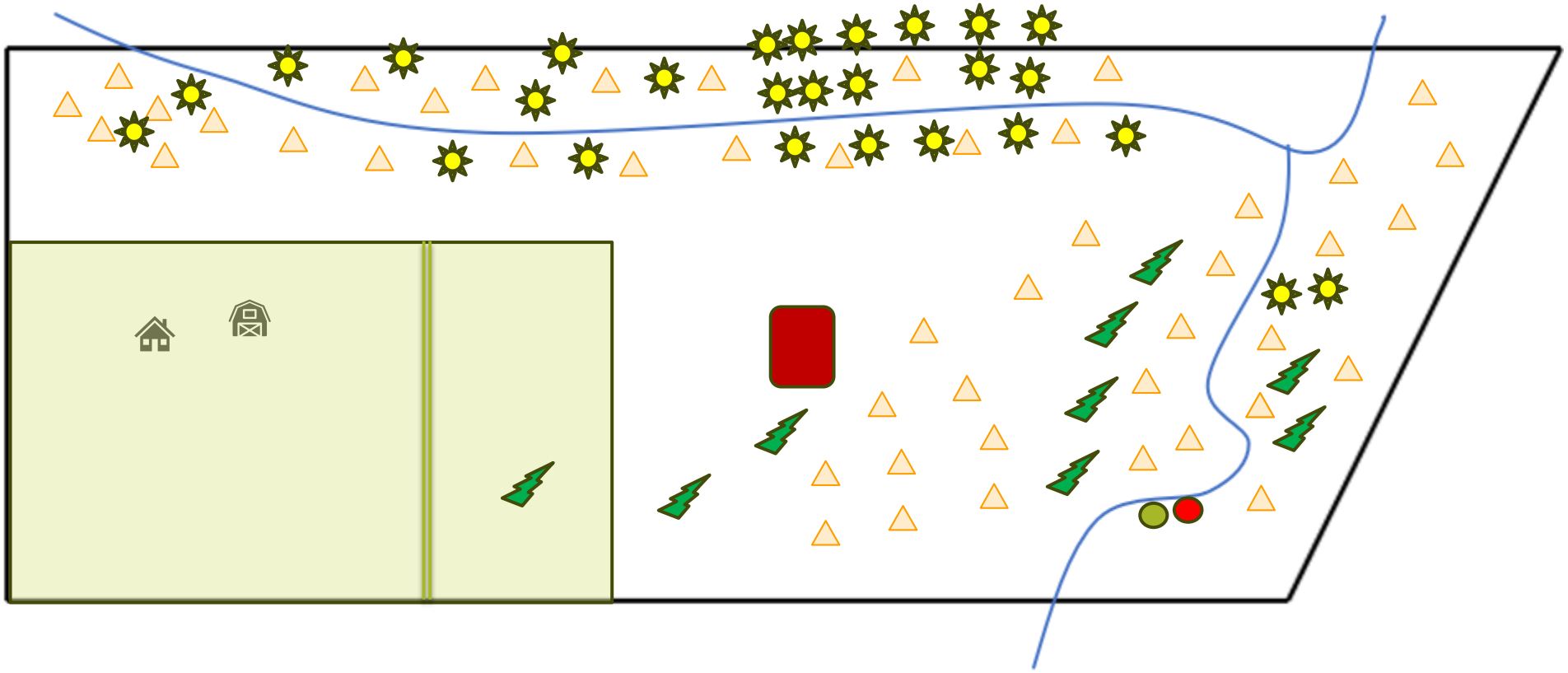


Japanese Barberry (Berberis thunbergii)

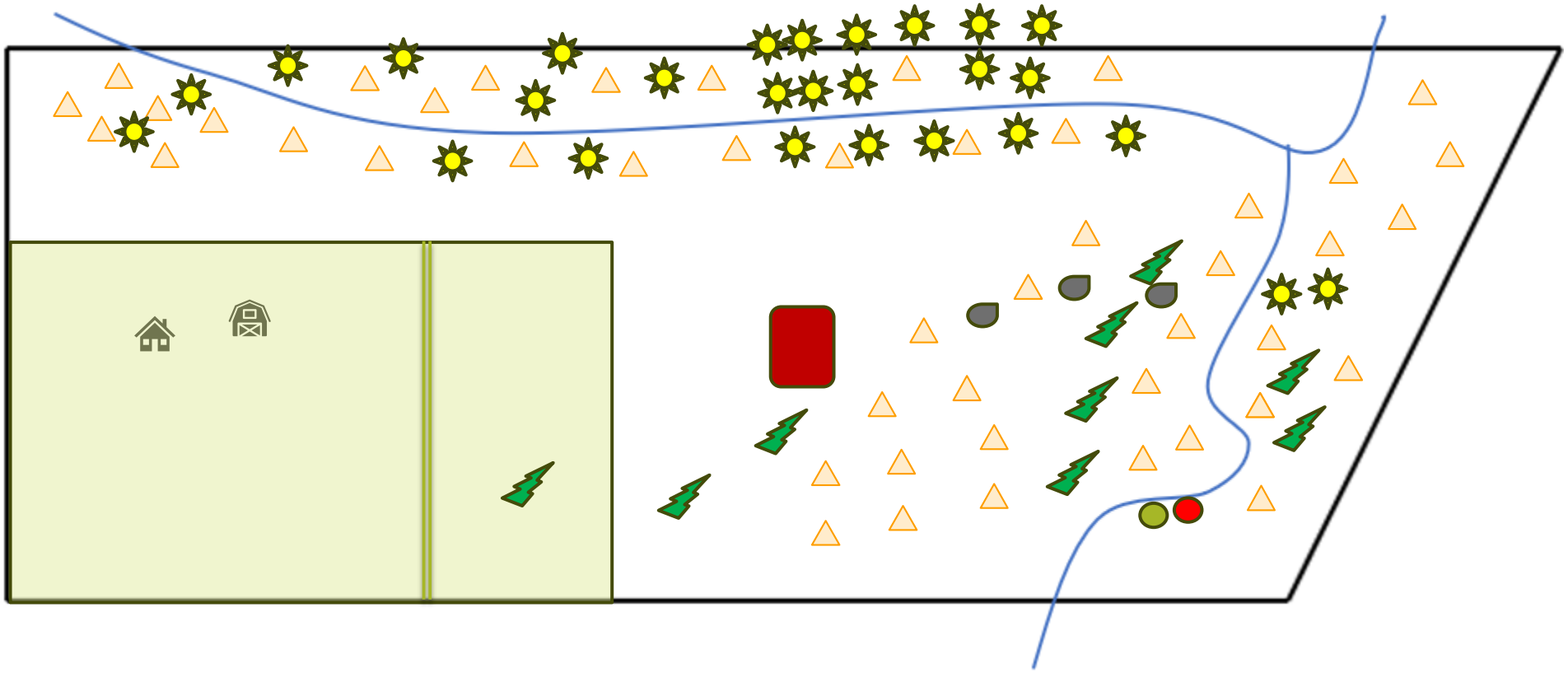
Autumn Olive (Elaeagnus umbellate)



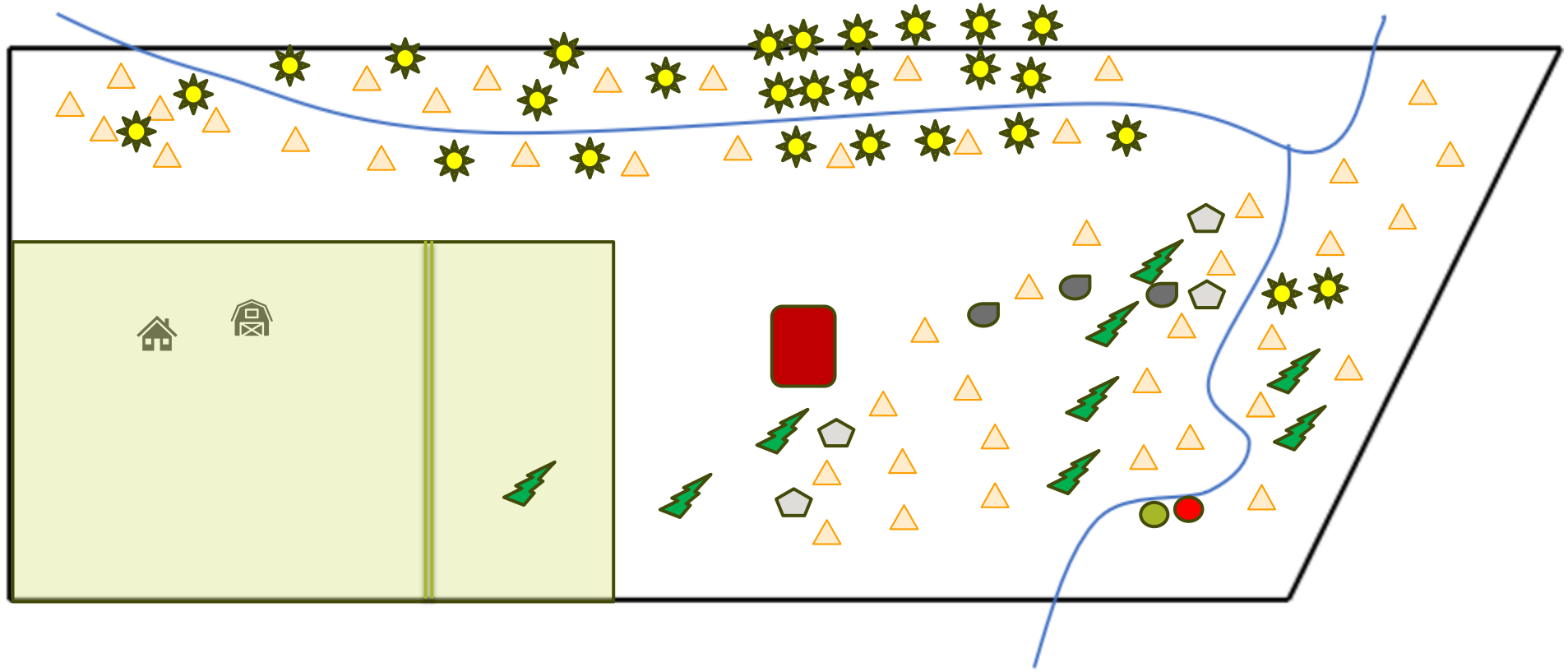
Japanese Stiltgrass (Microstegium vimineum)



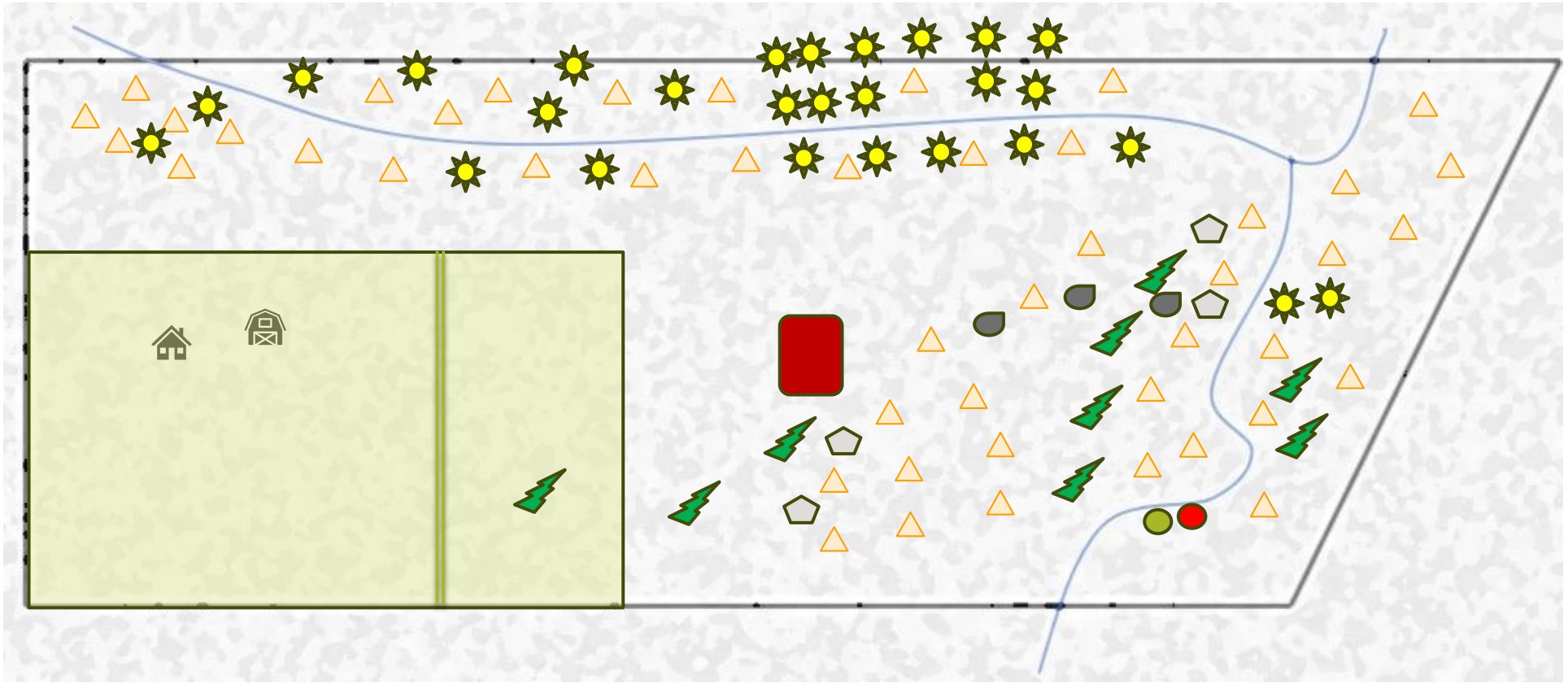
Common Privet (Ligustrum vulgare)



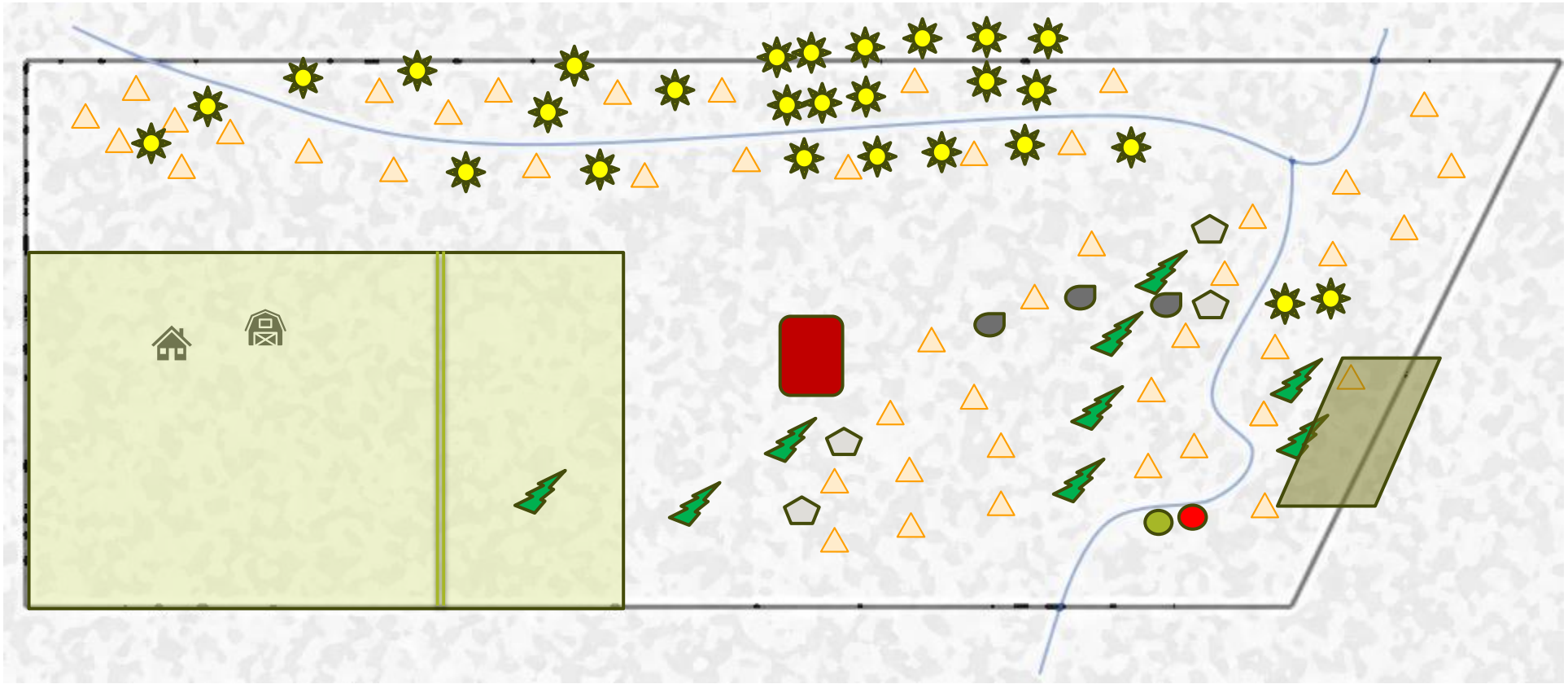
Multifloral Rose (Rosa multiflora)



Garlic mustard, Japanese honeysuckle, Oriental bittersweet, winter creeper, periwinkle



Garlic mustard, Japanese honeysuckle, Oriental bittersweet, winter creeper, periwinkle… and English ivy



Invasive Removal Calendar

January	February	March	April	May	June	July	August	September	October	November	December
Amur Honeysuckle - big			Amur Honeysuckle - small						Amur Honeysuckle - big		
		Winter Creeper, English Ivy, Periwinkle, Japanese Honeysuckle							Winter Creeper, English Ivy, Periwinkle, Japanese		
	Lesser Celandine										
			Garlic Mustard								
			Oriental Bittersweet						Oriental Bittersweet		
					Japanese Stiltgrass						

Invasives – What are they?

A non-native plant that causes environmental, economic or human health harm

Invasives – Why do they do so well?

- Rapid early growth
- Tolerate many soil and sun/shade conditions
- Spread aggressively
- Controls did not come with them
- Allelopathic – suppress other plants by releasing chemicals
- Native wildlife do not use/eat them

Invasives – Why get rid of them?

- They outcompete and replace the native plant communities
- …which reduces the native insects…
- …which reduces other native wildlife…
- …which impacts the food chain…
- …and us.

Invasives Control

- Mechanical
  - Cutting or mowing
  - Hand-pulling
  - Smother – cover with cardboard/newspaper, plastic sheeting
- Biological
  - Goats
  - Insects/Aphids
  - Disease

Invasives Control

- Chemical
  - Foliar Spraying
  - Stump Cut
  - Basal bark treatment, girdling, hack & squirt
- Prescribed Fire

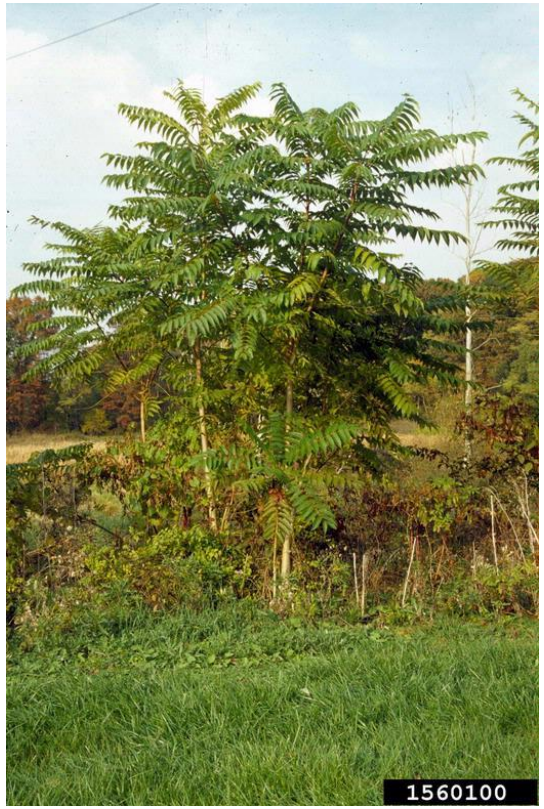
Invasives Control - Tools

- Leather Gloves
- Hand pruners
- Long handled pruners
- Pruning saw
- 6” Battery-powered chainsaw
- Pick axe (cutter mattock)

Invasives Identification - Trees

Callery Pear

Tree-of-Heaven



Ohio State Weed Lab , The Ohio State University, Bugwood.org

White Mulberry

John Cardina, The Ohio State University, Bugwood.org

Invasives Identification - Shrubs

Japanese Barberry

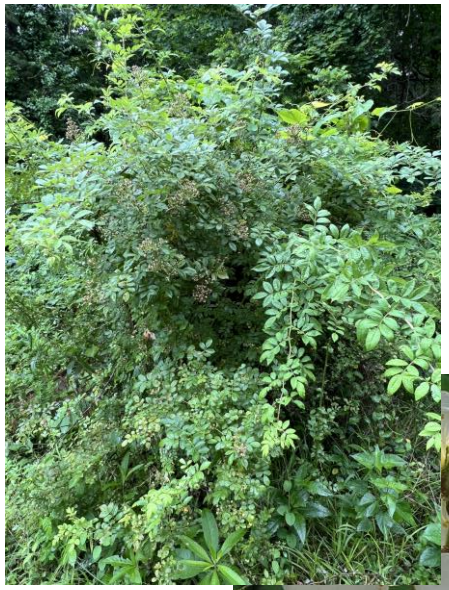
Autumn Olive

Buckthorn

Privet

Burning Bush

Multiflora Rose



Amur Honeysuckle

Invasives Identification – Forbs/Grass

Lesser Celandine

Japanese Stilt Grass

Garlic Mustard

Invasives Identification – Forbs/Grass

Japanese Knotweed

Photo Credit: Ashley Kulhanek, OSU Ext.

Purple Loosestrife

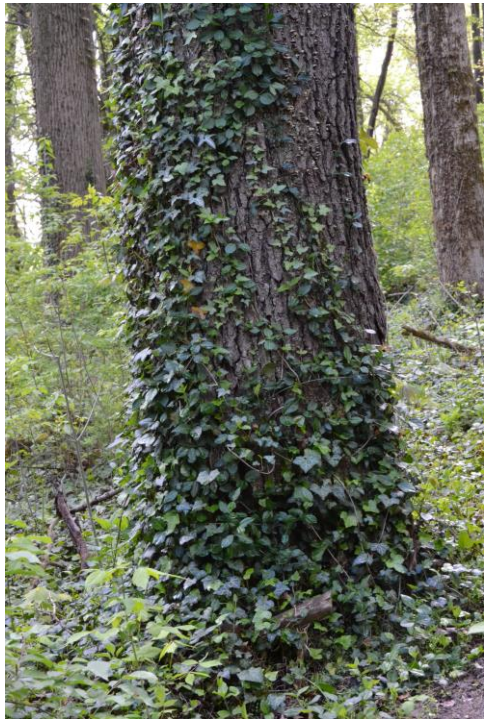
Dames Rocket

Canada Thistle

Invasives Identification - Vines

Oriental Bittersweet

English Ivy



Japanese Honeysuckle

Charles T. Bryson, USDA Agricultural Research Service, Bugwood.org

Invasives Identification - Vines

Winter Creeper

Periwinkle or Vinca Minor

Porcelain Berry

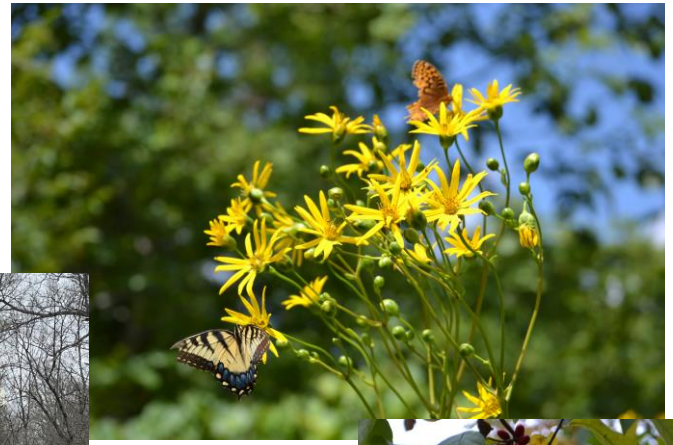
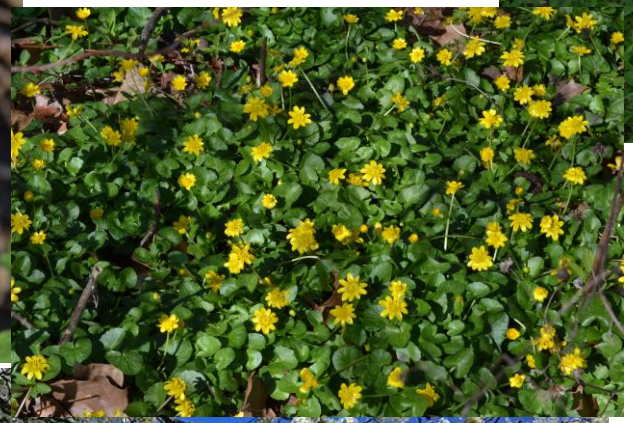
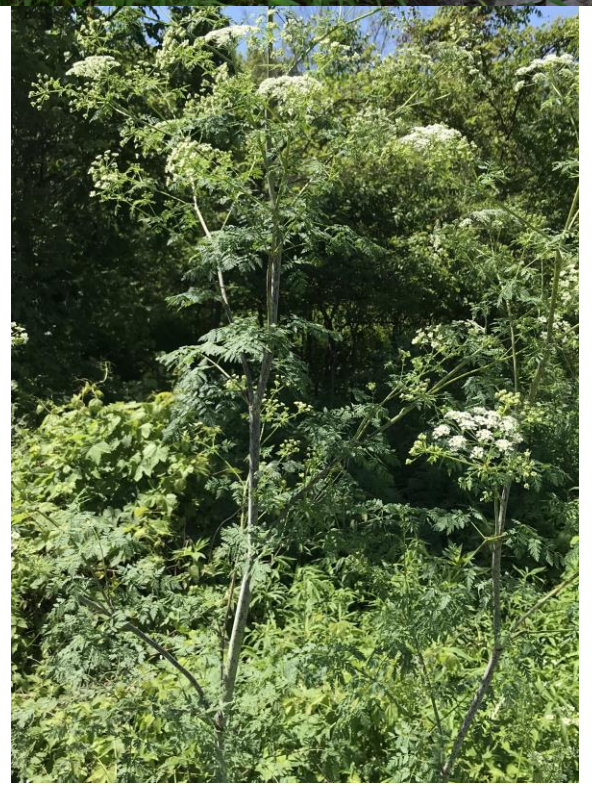
Mile-a-Minute Vine

Invasives Sources

- **Ohio Department of Agriculture Invasive Plants**
- https://agri.ohio.gov/divisions/plant-health/invasive-pests/invasive-and-noxious-plants/invasive-plants
- Has the current list of Ohio's invasive plants (total = 63 on the list as of February 13, 2023)
-
- **Ohio Invasive Plants Council**
- https://www.oipc.info/
- Has many helpful links
-
- **Naturally Ohio – Invasive Plants Video on The Ohio Channel**
- https://www.ohiochannel.org/video/naturally-ohio-invasive-plants
- Really nice video on invasive species (7.5 minutes)
-
- **Oak Openings Best Management Practices (Love these information sheets!)**
- Detailed information sheets on invasives including guidelines for mechanical, chemical, and biological treatments, prevention of spread, and specific methods for individual species.
- https://www.oakopenings.org/resources/professionals/oak-openings-best-management-practices/

What's Next?
Coming in the August meeting.

Once I get rid of the invasives… What do I replace them with?



Invasives