



# Invasive Plants at Oswegatchie Hills

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## Introduction & Objectives

Oswegatchie Hills is a co-op nature preserve in East Lyme, CT

- Part of the property is privately-owned and part is town-owned

The preserve is actively managed for invasive plant species

- Most invasives are on the edge of the property

**Goals** of this project include:

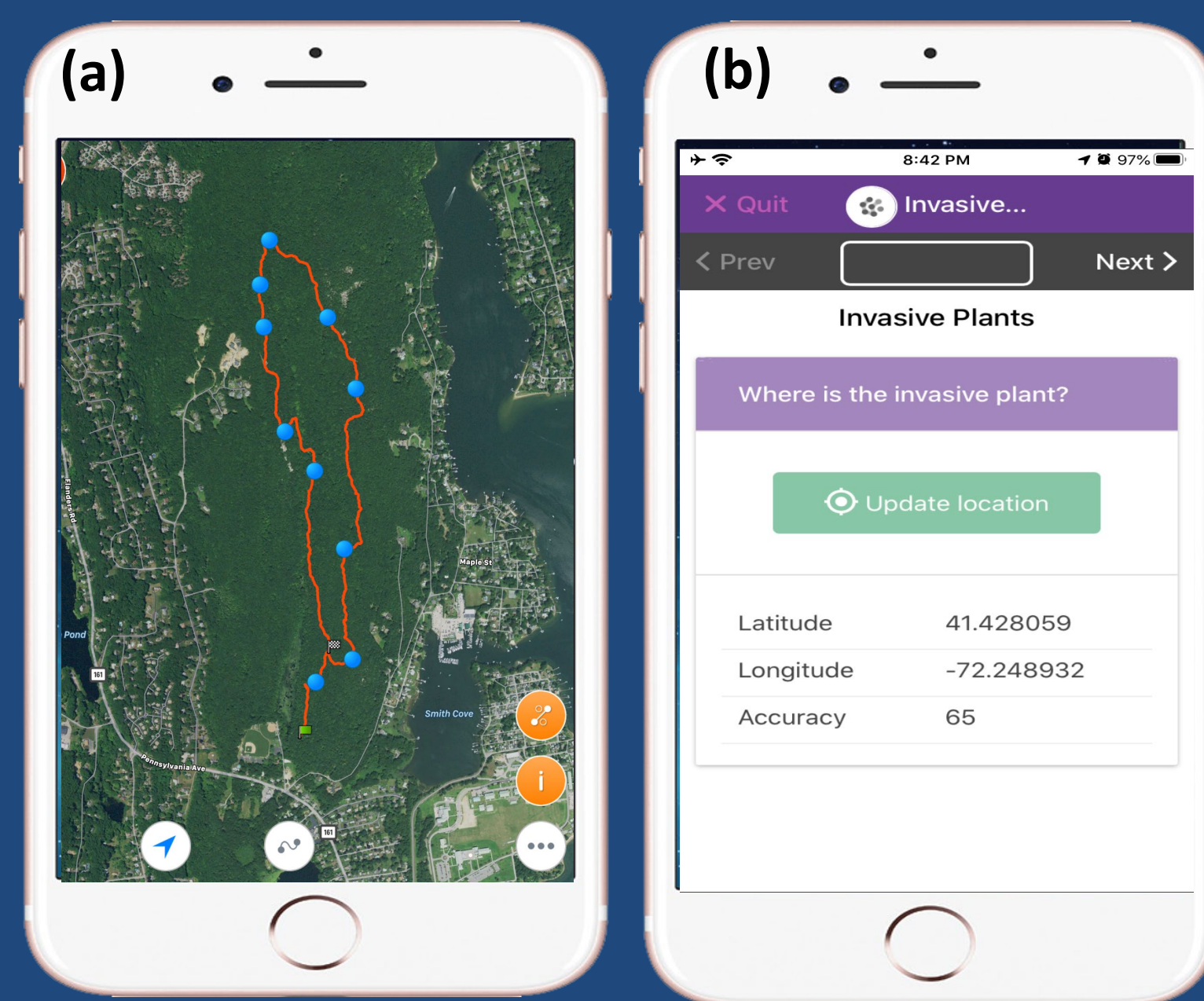
- Identify and locate 5 key invasive plant species in Oswegatchie Hills
- Study their growing habits and map their location within the preserve
- Create resource for Friends of Oswegatchie Hills and earn Sustainable CT credit for the town



Oswegatchie Hills Nature Preserve trail guide

## Project Outline

- Collected data on the location of invasive plant species within the preserve during summer & fall 2019 using:
  - Epicollect5
  - Track Kit
  - Google Maps
- Created database of locations with photographs
- Investigated growing habits of all 5 invasive plant species

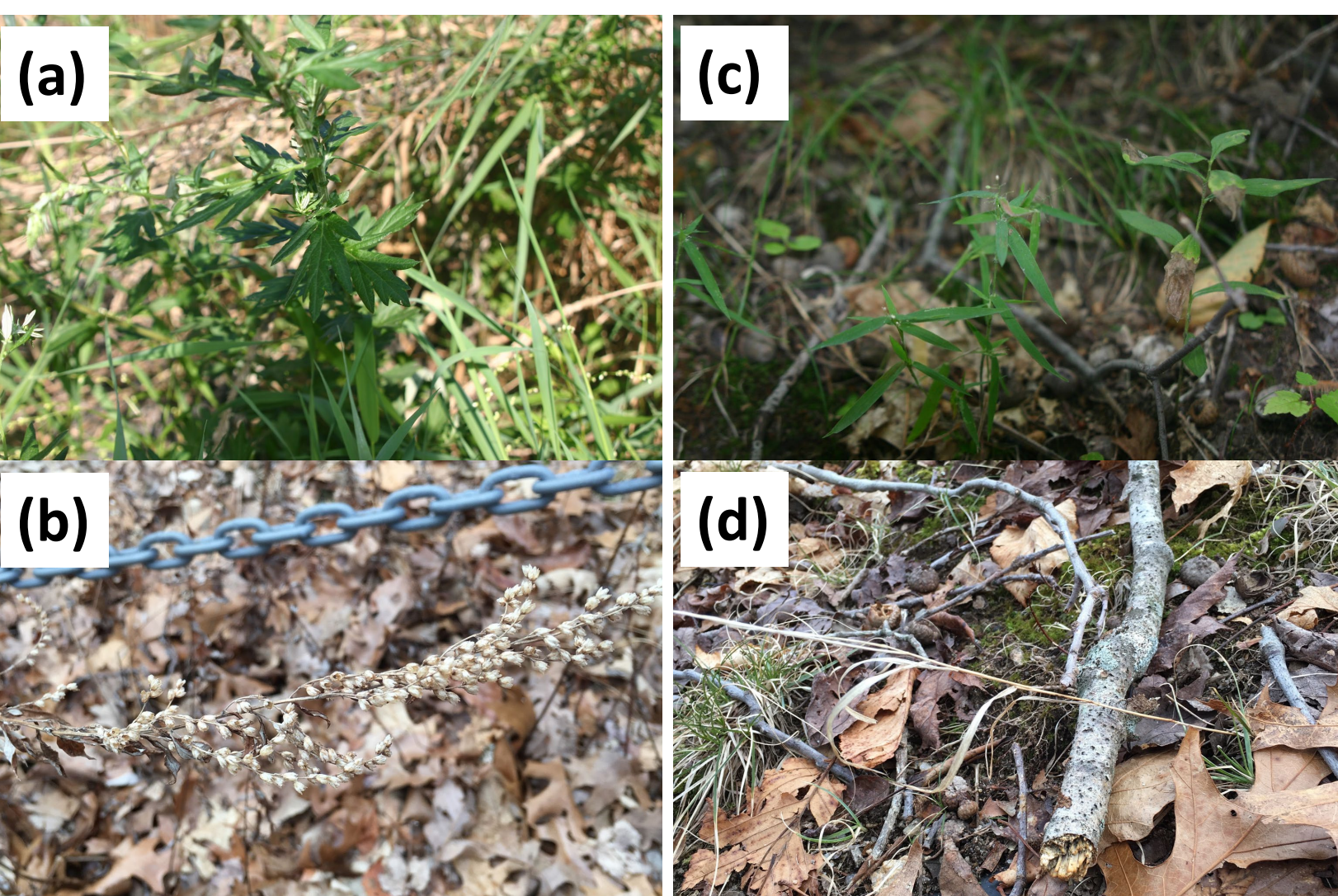
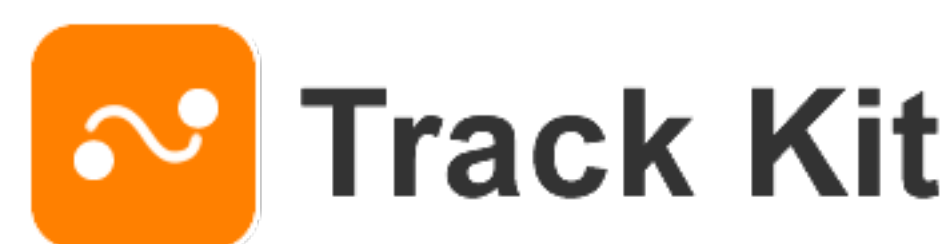


(a) Track Kit map of blue trail at OH Preserve  
(b) Epicollect5 data collection app screenshot

## Products

Created fact sheets with photos to aid identification during summer and winter for the following invasive plant species:

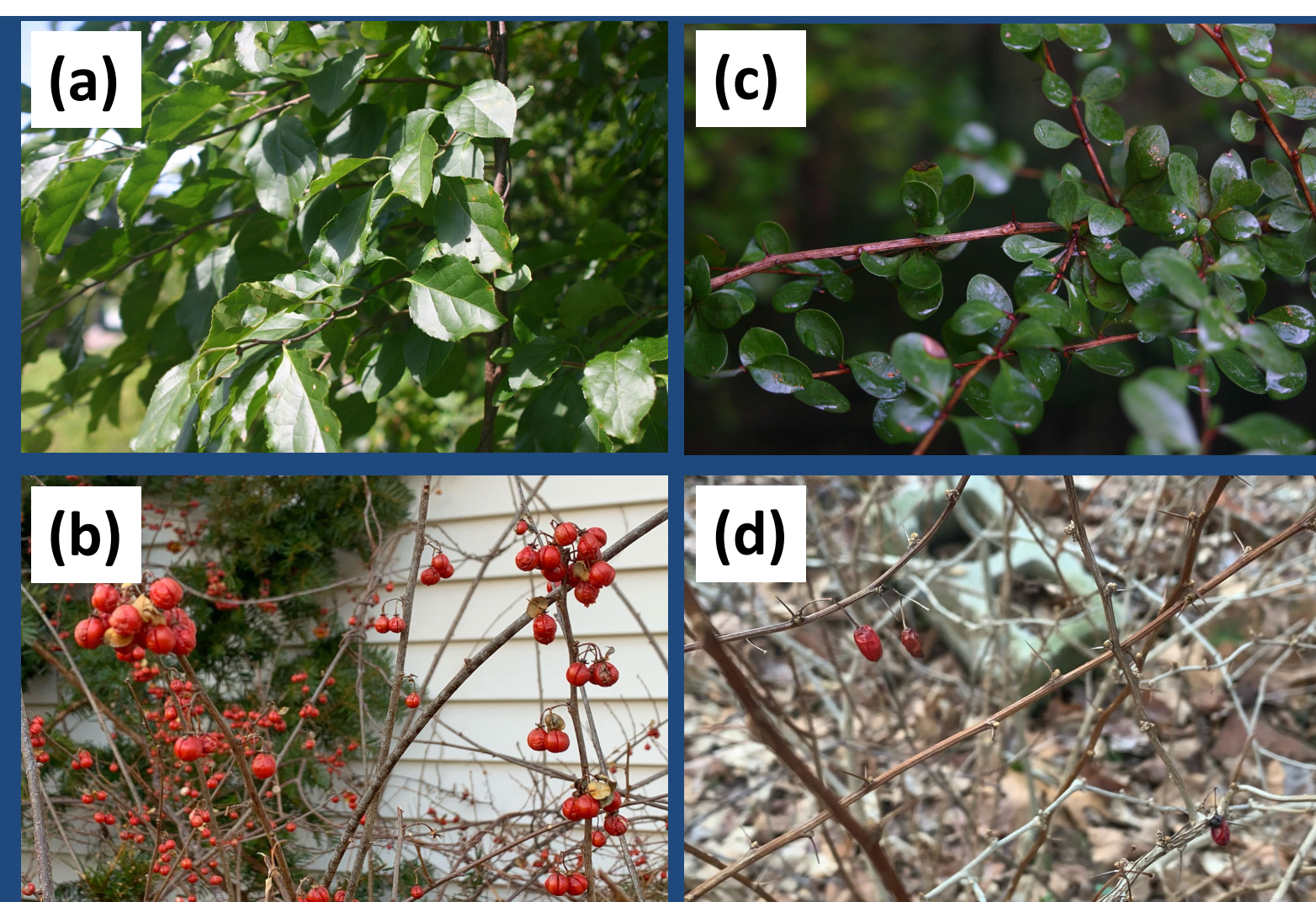
- Mugwort
- Japanese Stiltgrass
- Japanese Barberry
- Oriental Bittersweet
- Japanese Knotweed



Mugwort in summer (a) and winter (b)  
Japanese Stiltgrass in summer (c) and winter (d)

## Next Steps

- Complete four season photo library identification guide of invasive plant species
- Turn over data to town and Friends Of Oswegatchie Hills for management purposes
- Use skills acquired with GIS apps & software to help with other town Sustainable CT projects, such as walkability



Oriental Bittersweet in summer (a) and winter (b)  
Japanese Barberry in summer (c) and winter (d)