# Impact Project Report

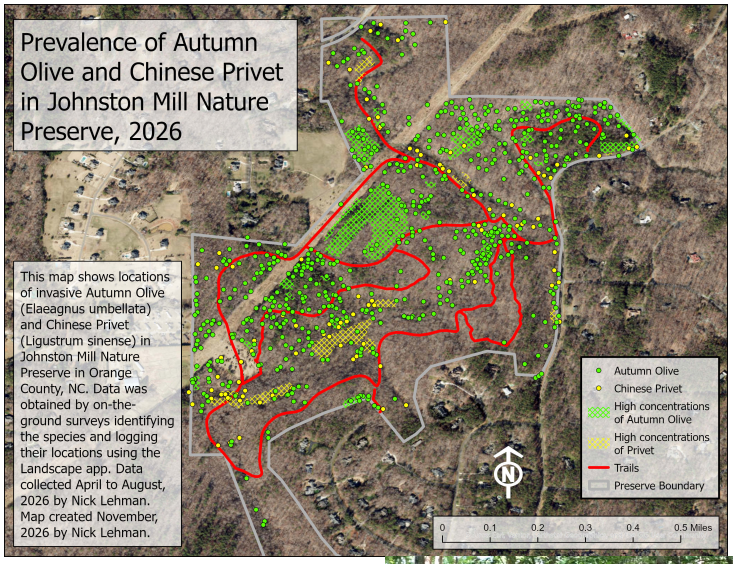
Mapping Invasive Plants in Johnston Mill Preserve

## Issue

This project involved traversing the entirety of the preserve, looking for autumn olive and Chinese privet, and recording its locations using a mobile app. The resulting data will help Triangle Lands Conservancy be more targeted and efficient in their efforts to remove these highly invasive species.

## Project

Master Naturalist Nick Lehman walked the entirety of the 296-acre Johnston Mill Nature Preserve, bushwhacking through forest, dense thickets, and boggy lowlands. It took 24 site visits, totaling 57 hours on the ground, to cover the entire preserve. Every sighting of autumn olive and Chinese privet was documented using the Landscape land management app. 759 data points were recorded using the app. These were primarily point data representing single plants or small clusters of autumn olive or privet, but also some polygons representing large clusters.




Although both species, especially autumn olive, are pervasive throughout the preserve, the data show some trends where they are more heavily concentrated than others. This will help Triangle Lands Conservancy take a more targeted approach to their invasive species removal efforts.



## Results

Triangle Lands Conservancy is fighting a difficult and ongoing battle with invasive species in all their preserves. Other Master Naturalist projects have contributed to removal of invasives and recovery of the land after removal in other preserves. This project lays the foundation for future invasive removal in Johnston Mill.

## Student

This project is the work of Nick Lehman

## Highlight

**Partner Organization**

Triangle Land Conservancy



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