



City of Rockville NNI Survey Internship



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Chemistry

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Introduction

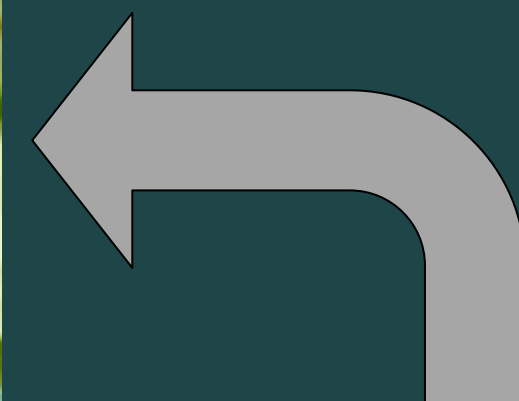
Non-native and invasive (NNI) plant species are a common occurrence in parks and forests all across the US. They pose a threat for the decline and possible extinction of many native species. I spent time as an intern for the City of Rockville Department of Public Works developing a survey tool to inventory these species in parks.

Activities:

My time was spent in meetings with park superintendents and other professionals with knowledge on NNIs. I spent time researching survey plans for other cities around the area. Once I had enough information, I put together a list of the most important species to inventory.



Picture of Porcelain Berry (*Ampelopsis brevipedunculata*) from WNYPRSIM.org



Porcelain Berry
Ranked #1 on the list of species to watch



Photo:

In the woods at Wootton's Mill Park testing the survey

Where?

City of Rockville Dpt. Of Public Works

City of Rockville

111 Maryland Avenue

Rockville, MD 20850

Supervisor: Heather Gewandter

Issues Confronting Site:

Non-native and invasive plant species can be found all over City of Rockville parks. It is very important to limit their growth and focus on the growth of native species.

How?

Using GIS (graphical information system), an area is traced by step via a smartphone/tablet app. Once the survey area has been mapped, a series of questions leads the surveyor through the inventory process.



SCIENCE AND GLOBAL CHANGE

Acknowledgments:

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