

The Invaders of North America



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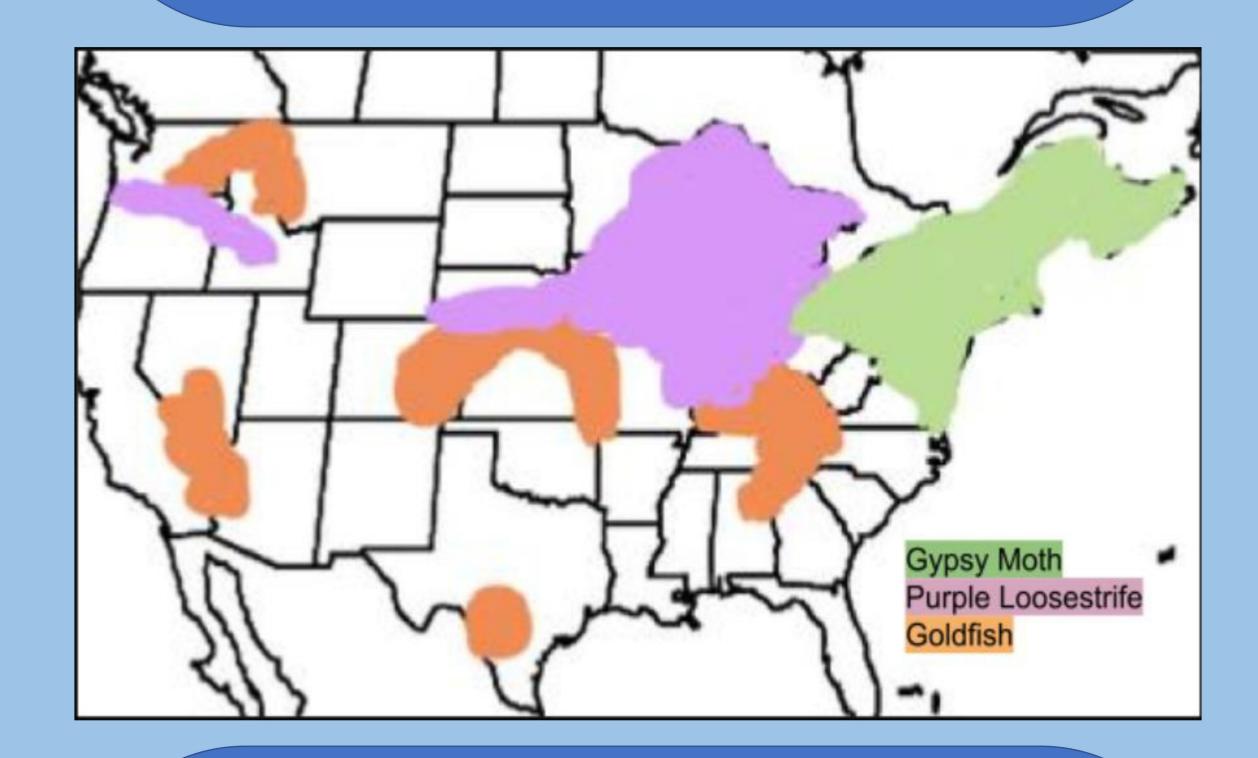
Research Questions

What is the cascade effect of invasive species?

How do different habitats respond to invasive species?

Are there benefits gained from invasive

What are effective methods in the prevention of invasive species?



Methods

Investigate invasive species in North America, the affected habitats, and species in those habitats that were affected by the invasive species







Collect and analyze data on the abundance of invasive species with their respective habitats







Research the most effective solutions for preventing and managing invasive species with each habitat

The Problem

Invasive species are causing a decline in biodiversity and damaging native ecosystems

The Invaders



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Lythrum Salicaria, purple loosestrife" by Liz West is licensed under <u>CC BY 2.0</u>





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The Ecosystems



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"Coastal Wetlands" by Kelly Fike is in the Public Domain, CC0



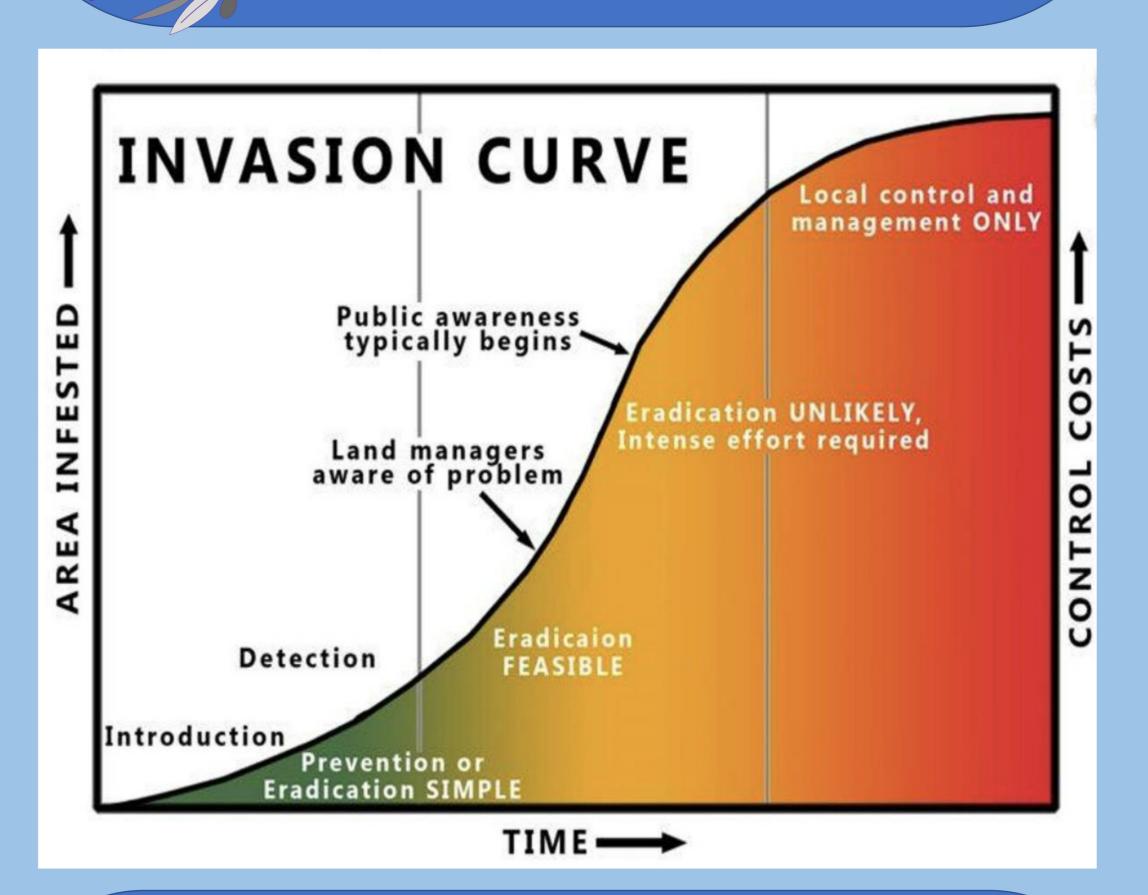
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The Solution

Woodlands – integrated pest management, regulating international trade

Freshwater - carbon dioxide bubbles, strobe lights, regulating ballast water and aquarium trade

Wetlands — introducing beetle that eats purple loosestrife, physical removal, chemical removal



What's missing?

Research into invasive species on a local level can help form connections in the scientific community, creating a cohesive understanding of invasive species. Money is often put where the most serious invasions are, but in order to prevent new invasions from developing, research must also be done in the places that have yet to be invaded.



Greenwood, Sara Campbell, Alisha Gill