

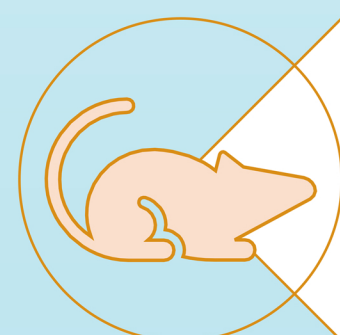


## Problem

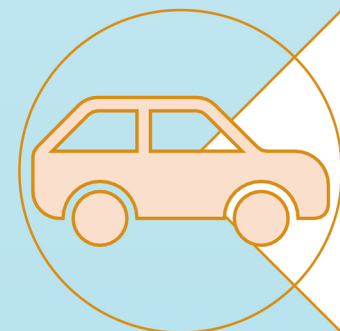
Snowy Owls (*Bubo scandiacus*) are threatened into vulnerable status when migrating to urban regions. Conservation efforts are in place to protect the owls, but these efforts could be applied to other species using the snowy owl as a model.



Climate Change



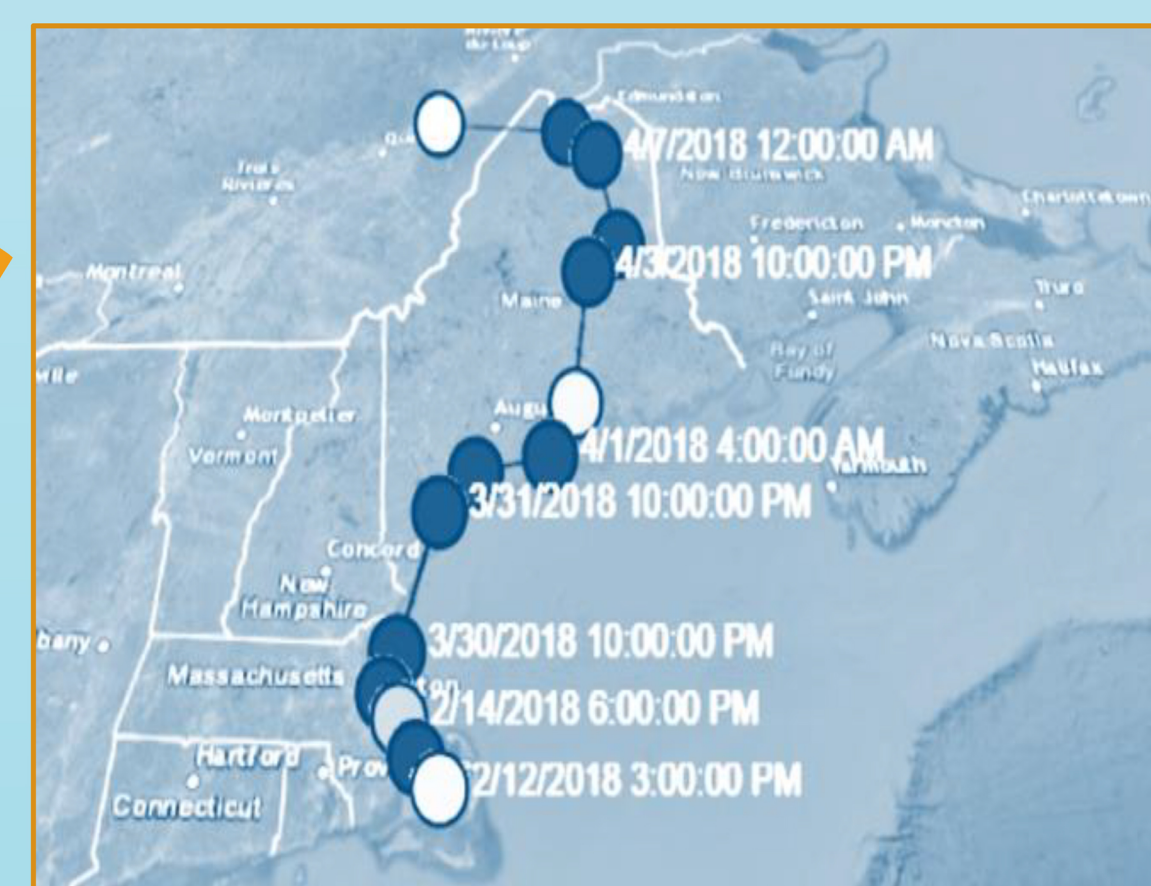
Rodenticide Poisoning



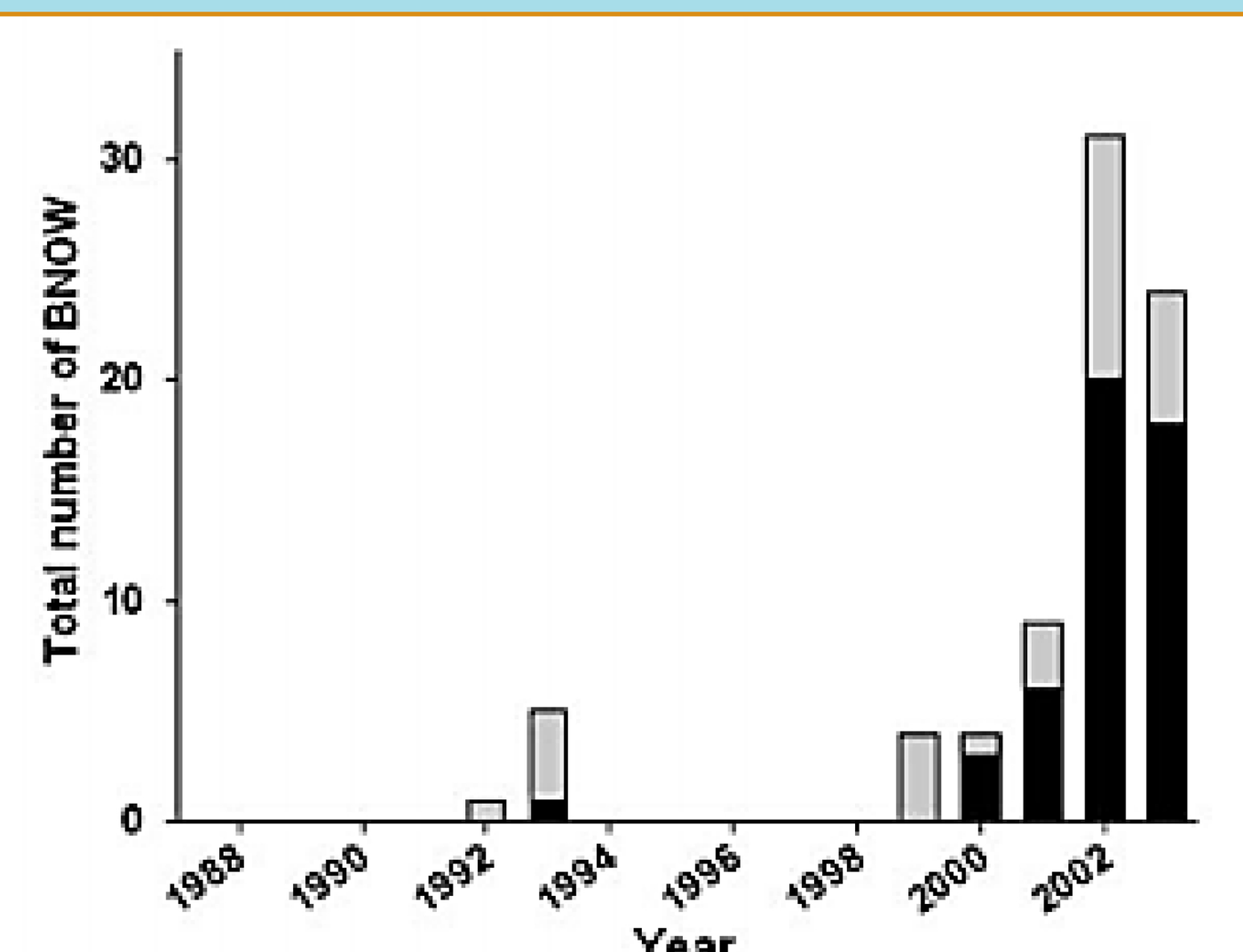
Vehicle Collisions



This map of North America shows the habitat and breeding grounds of snowy owls. Our project focuses on Massachusetts.

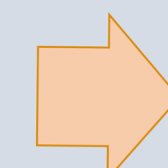


This graph shows rodenticide poisoning by the trend from 1990s to early 2000s of an increase in chemicals found in the livers of owls.

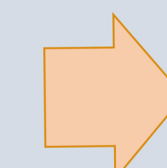


## Methods

Research migration patterns and behavior of snowy owls



Identify successful conservation efforts



Raise awareness of these efforts to inform people of how they can be applied to other species

## Conservation Efforts

Relocation

Moving the owls to a safer habitat

Away from Logan Airport

Prevention of Overhunting

Ban or limiting hunting by law

Alaskan natives

Limiting Rodenticide

Reduce chemical use outside homes

EPA-Endangered Species Act

## Implementation

Limiting Rodenticide Use

Prevents other predator species from unintentional poisoning

Enforced through legislation and informing the public

Improve Safety Along Migration Route

Fixing unsafe road conditions could prevent vehicle collisions

Wildlife overpasses provide a safe path for snowy owls and their prey

## Raising Awareness

Draft a Poster

- Inform people of how conservation efforts can be applied to other species
- Place around WPI and at conservation locations such as Mass Audubon

Develop a Pamphlet

- Describes different conservation efforts and threats of snowy owls and why and how people should employ those efforts for other bird species
- Place around WPI and at conservation locations

Lesson to Students

- Condense all our research into a general lesson and present the lesson to students

### Acknowledgements

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### References

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