Emerging Invasive Species Concerns and Solutions in Alaska

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Southeast Alaska Watershed Coalition





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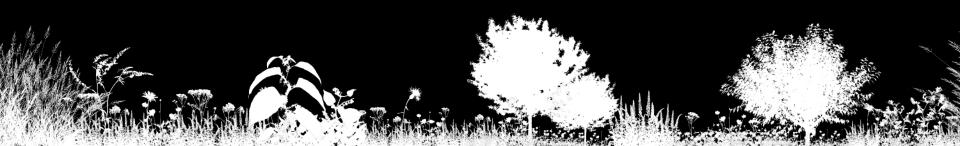




| | Panel: Grass Mix 1 | | | | |
|----------|--------------------|----------------|-------------|-------|----------|
| √ | 04/21/2022 | Timothy | 100,000 BAU | Prick | 3/30,3+ |
| 1 | 04/21/2022 | Orchard | 100,000 BAU | Prick | 40145,4+ |
| 1 | 04/21/2022 | Sweet Vernal | 100,000 BAU | Prick | 40/45,4+ |
| 1 | 04/21/2022 | Meadow Fescue | 100,000 BAU | Prick | 25/45,4+ |
| 1 | 04/21/2022 | June (KY Blue) | 100,000 BAU | Prick | 25/45,4+ |
| ′ | 04/21/2022 | Redtop | 100,000 BAU | Prick | 20/50,44 |
| , | 04/21/2022 | Rye, Perennial | 100,000 BAU | Prick | 25/45,44 |

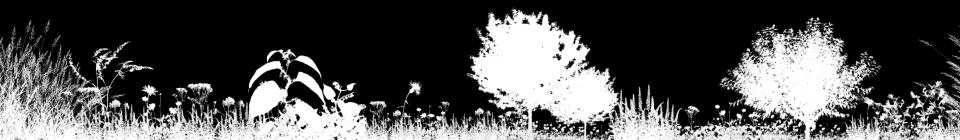


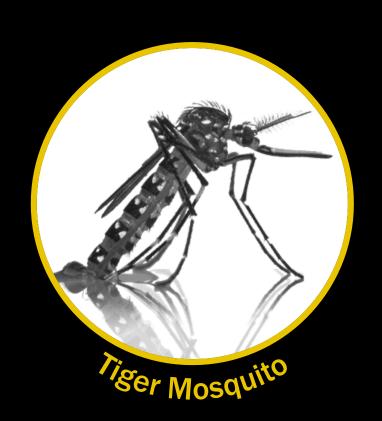
What makes a non-native species INVASIVE?



Invasive species means a nonnative species whose introduction does or is likely to cause economic or environmental harm or harm to human health

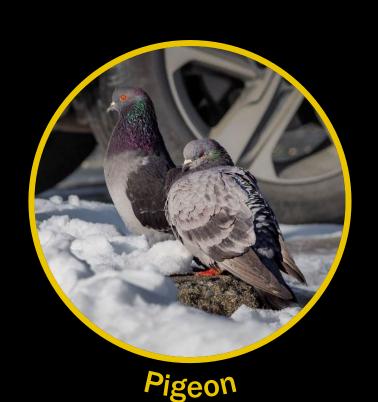
Alaska Administrative Code Title 5, section 92.990







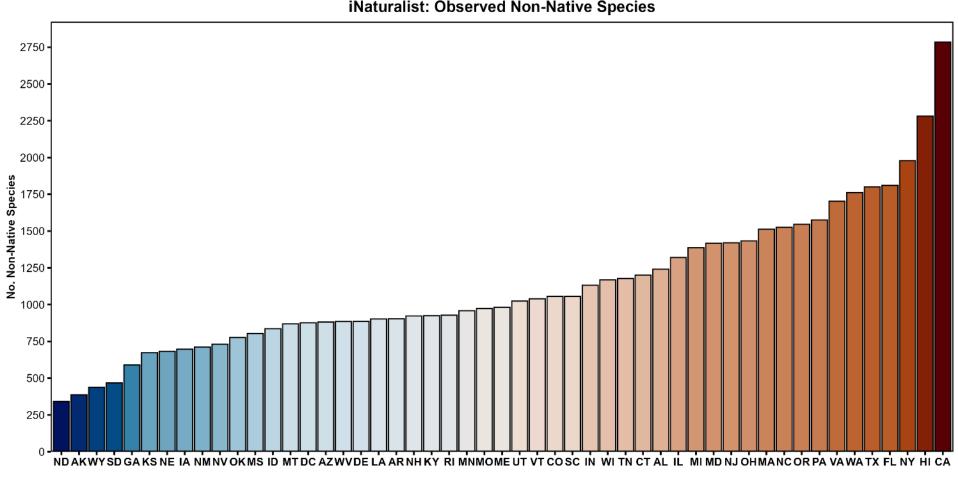




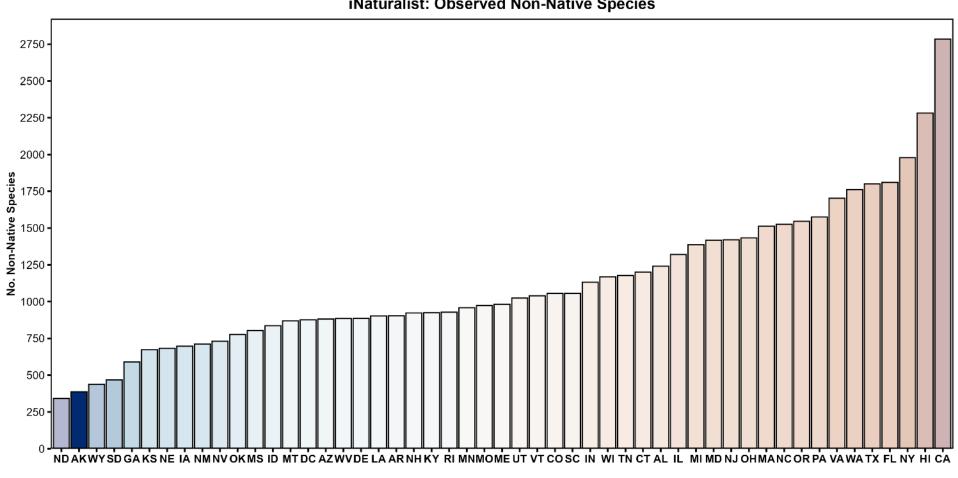




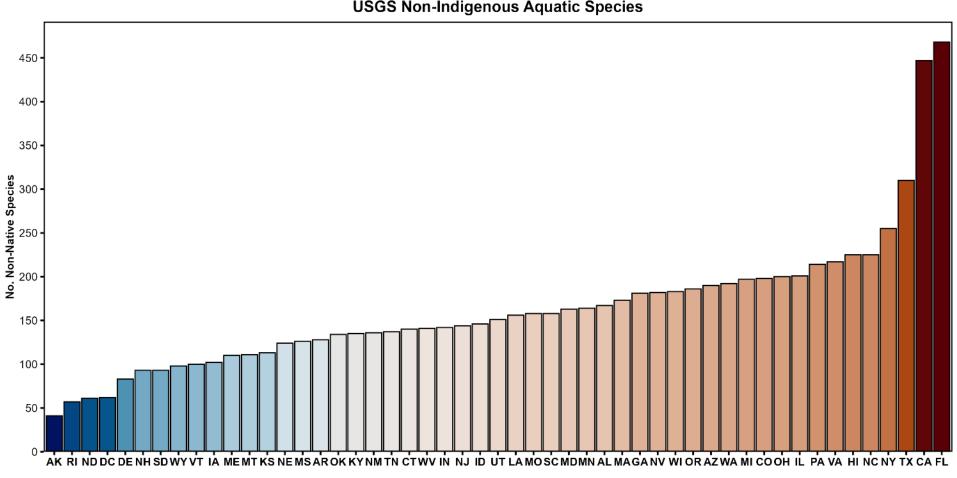
iNaturalist: Observed Non-Native Species



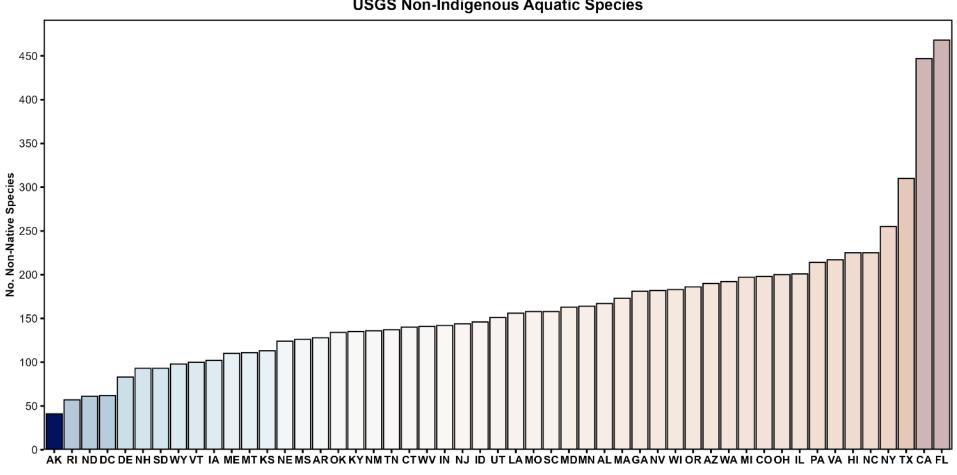
iNaturalist: Observed Non-Native Species



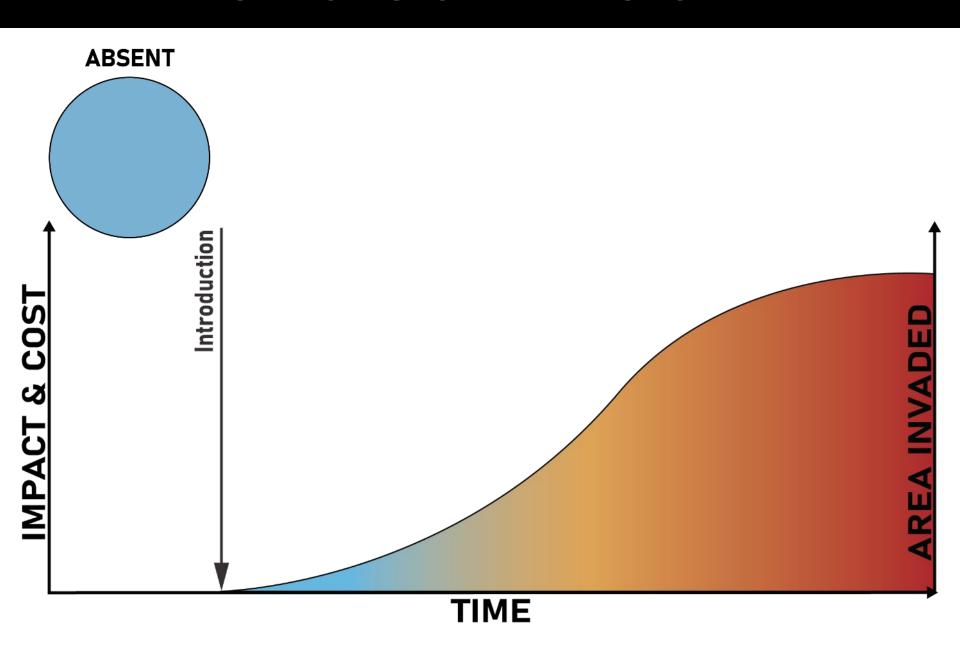


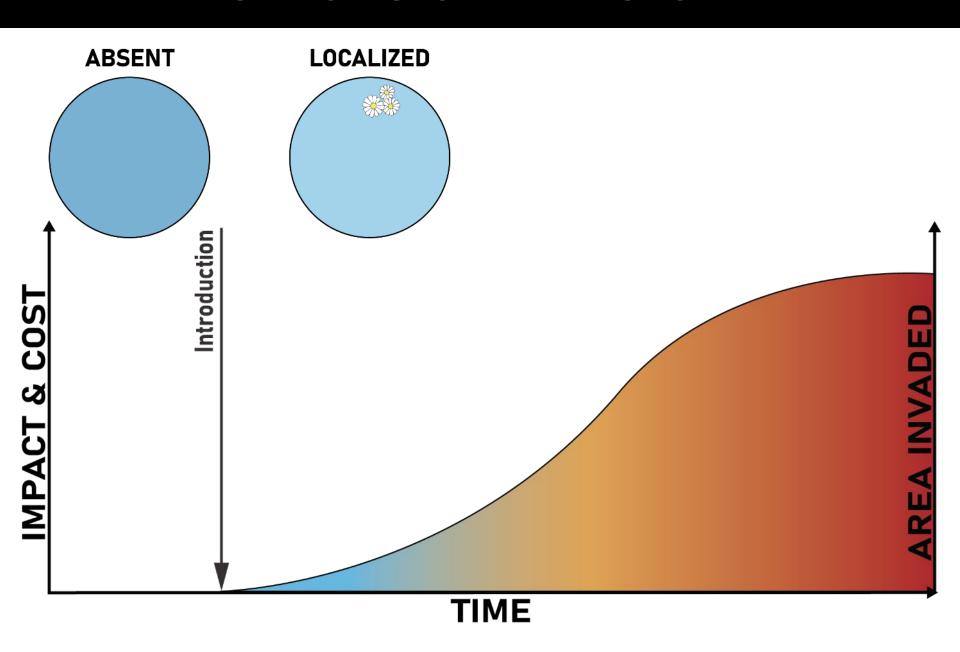


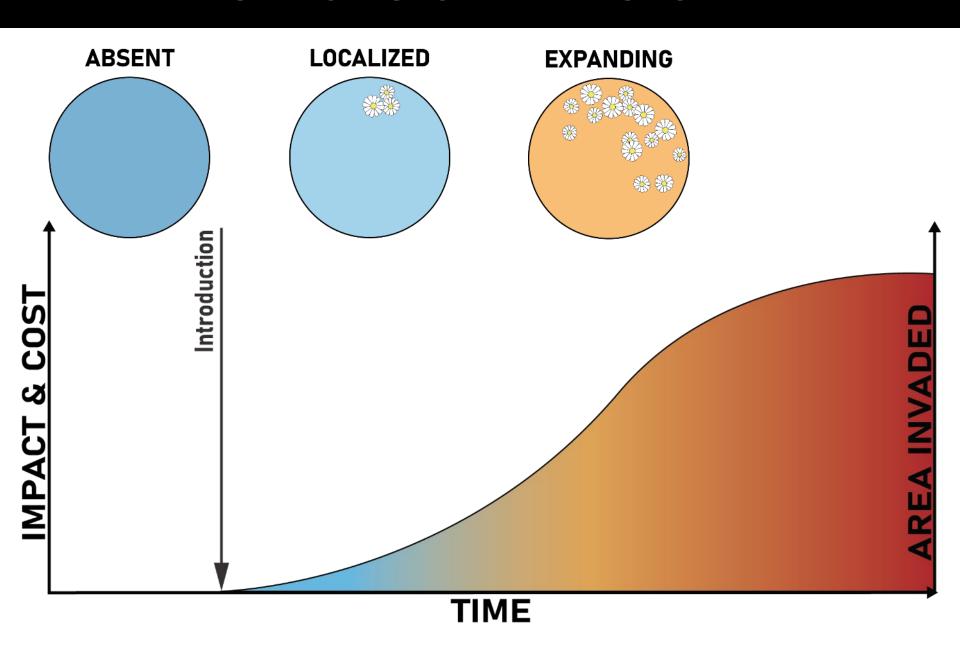


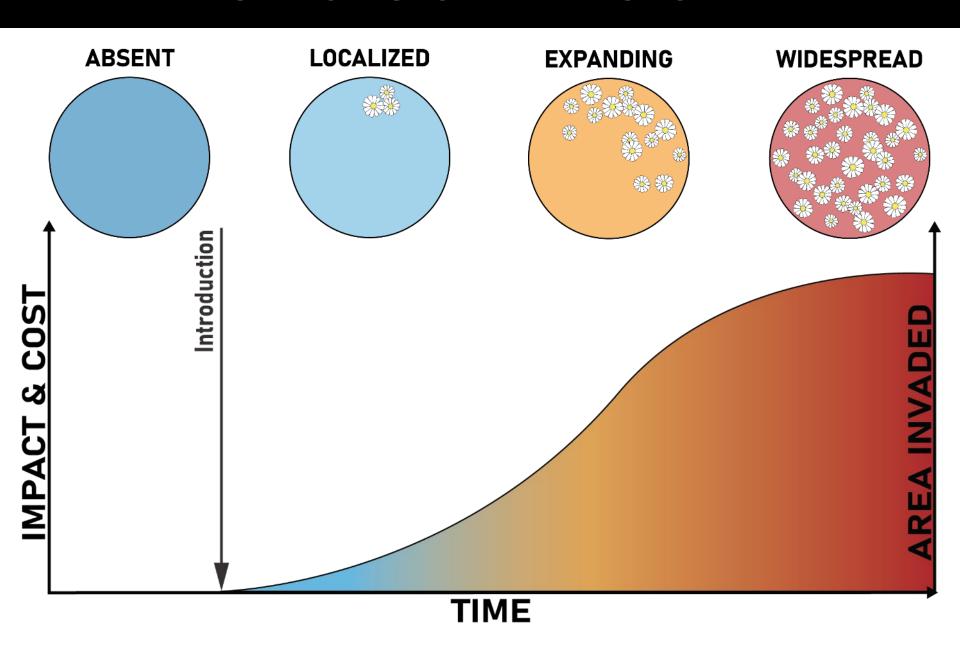




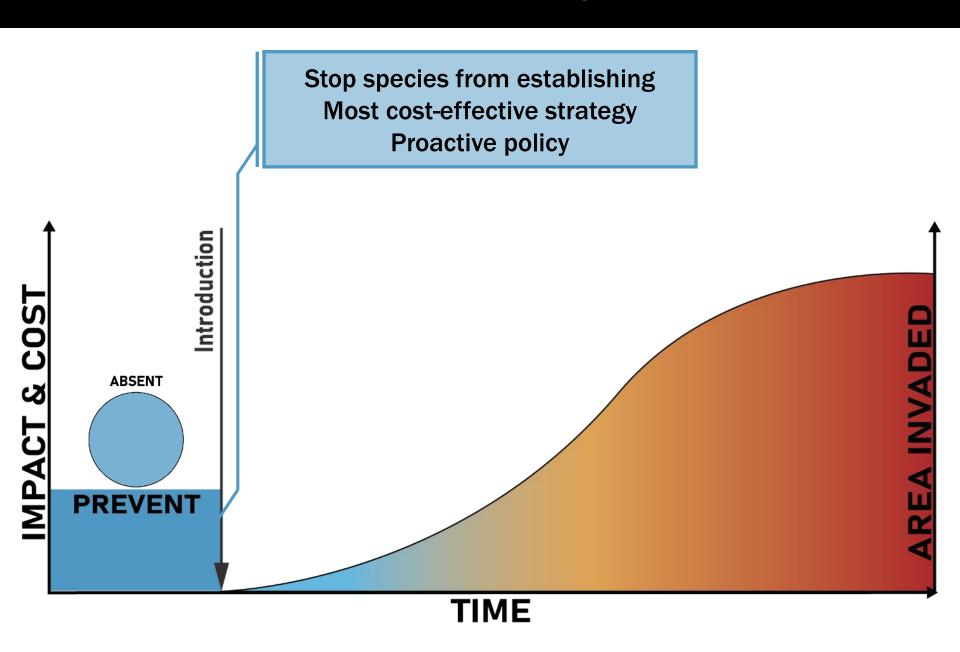




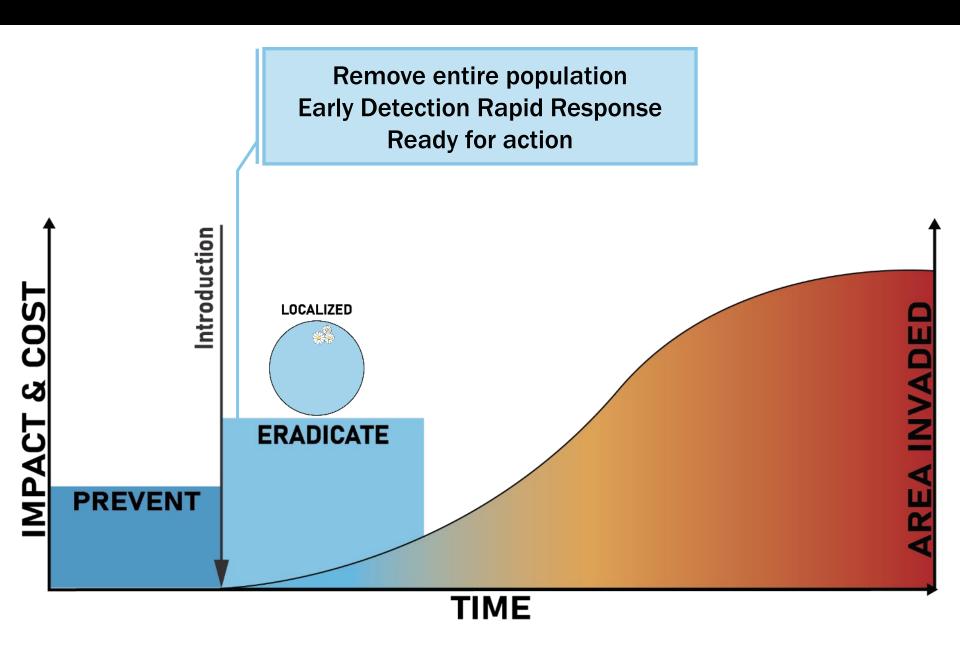




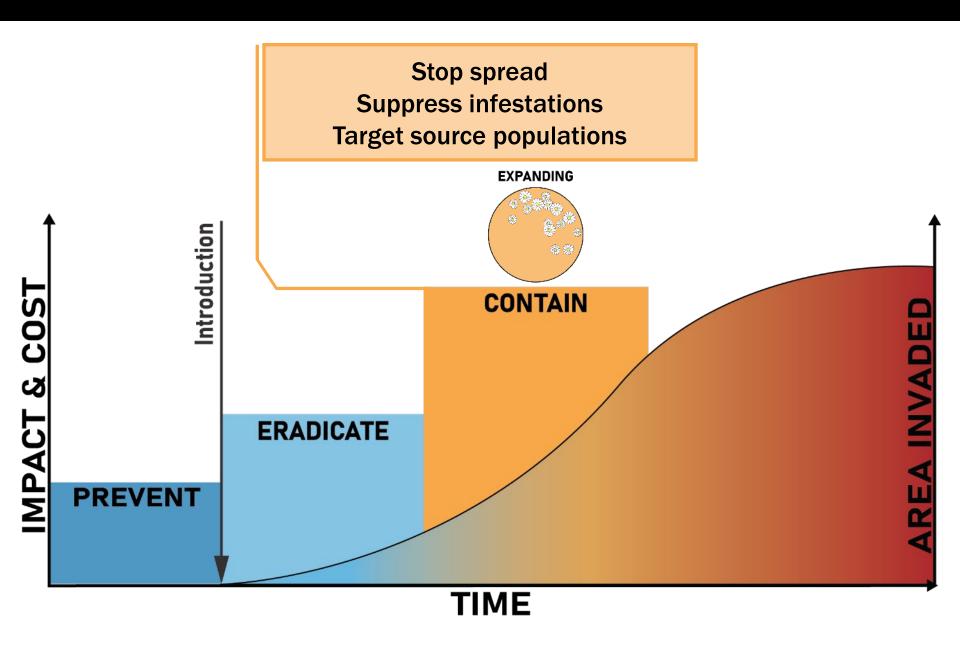
PREVENTION



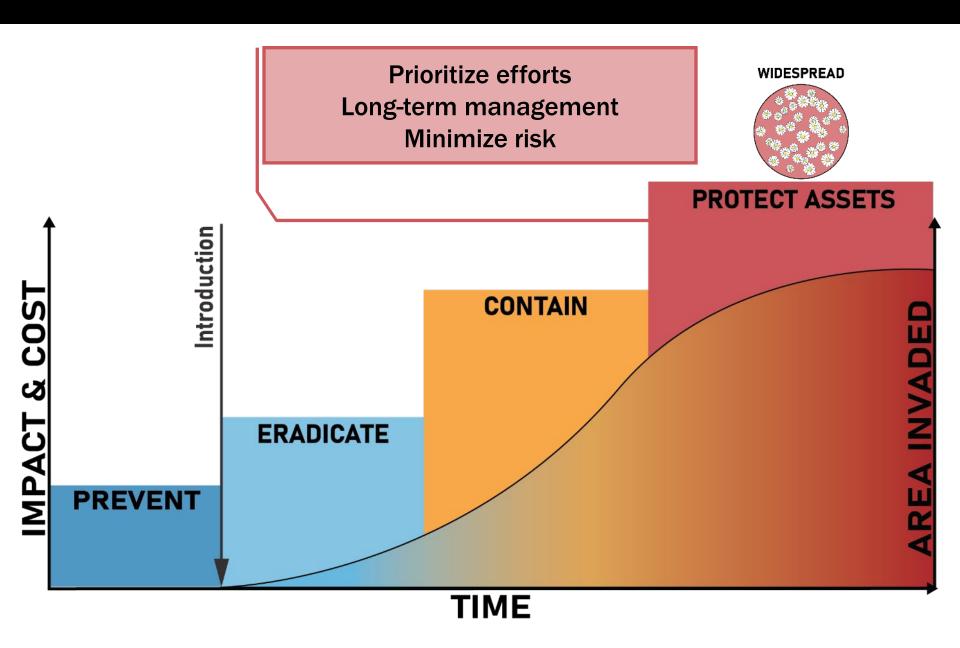
ERADICATION



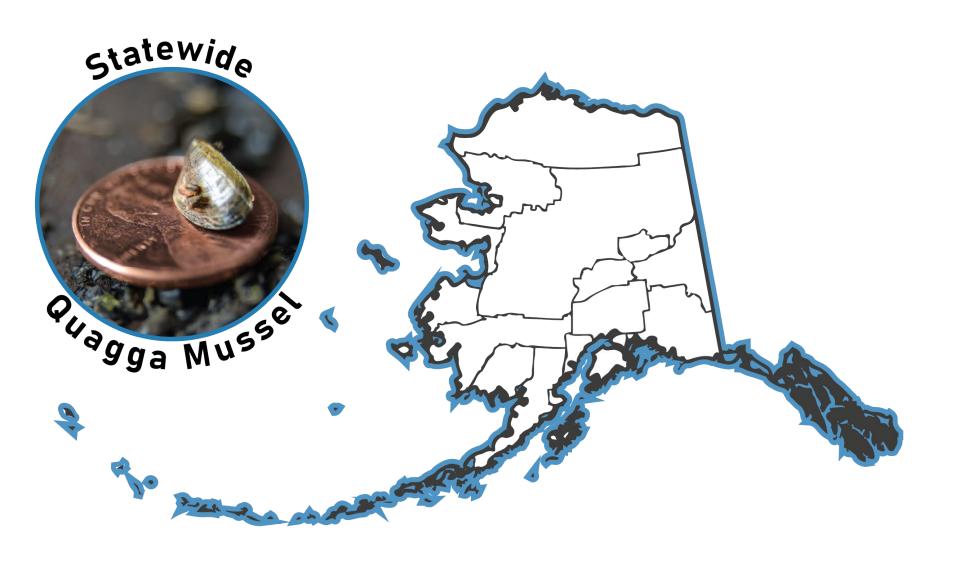
CONTAINMENT



PROTECTION



PREVENT



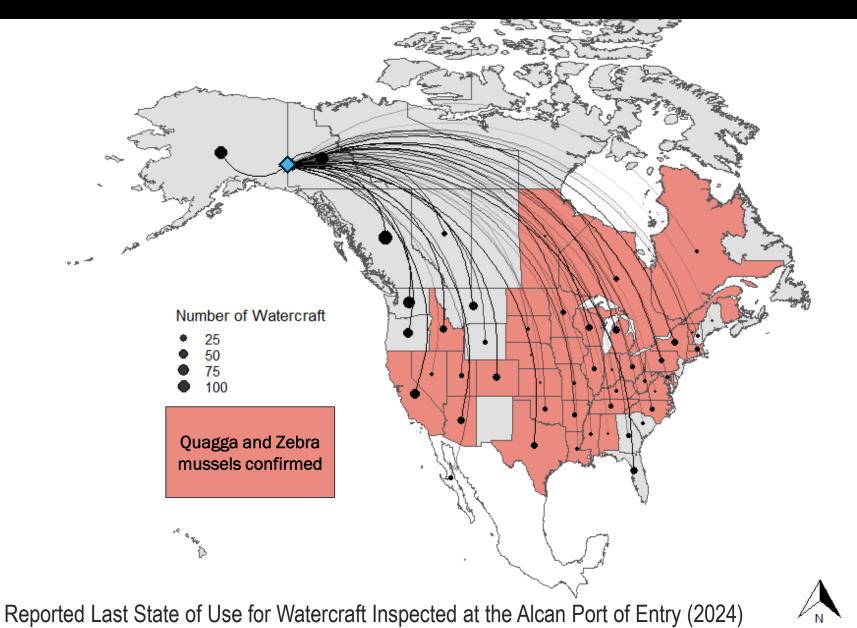


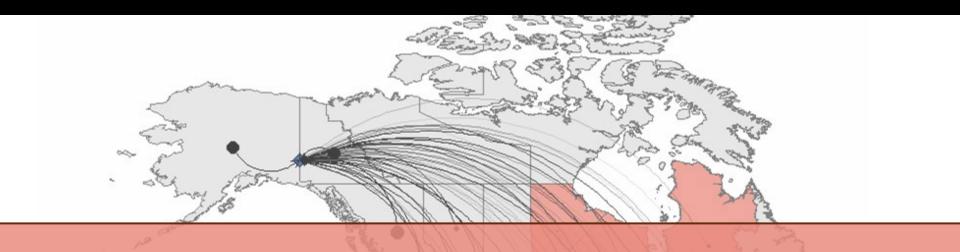
Damage infrastructure
Impair power & water facilities
Reduce fish populations

Spread and reproduce quickly Difficult and costly to remove

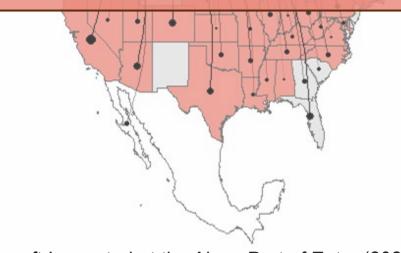
High Costs: \$300-\$500 million per year in Great Lakes





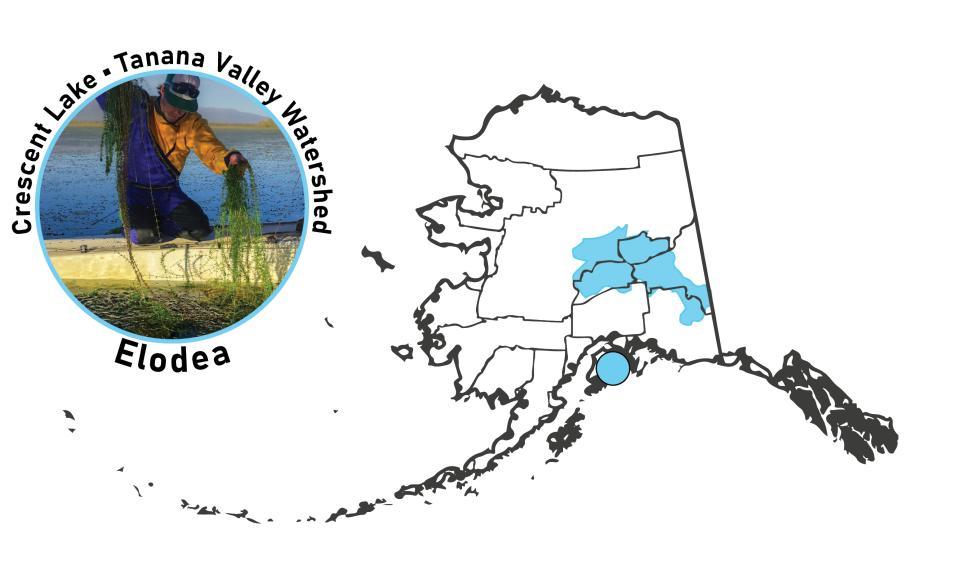


Annually, more than 1,000 watercraft from outside enter Alaska through multiple unprotected / not monitored ports of entry





ERADICATE/CONTAIN





Clog waterways

Decrease water quality

Threaten salmon habitat

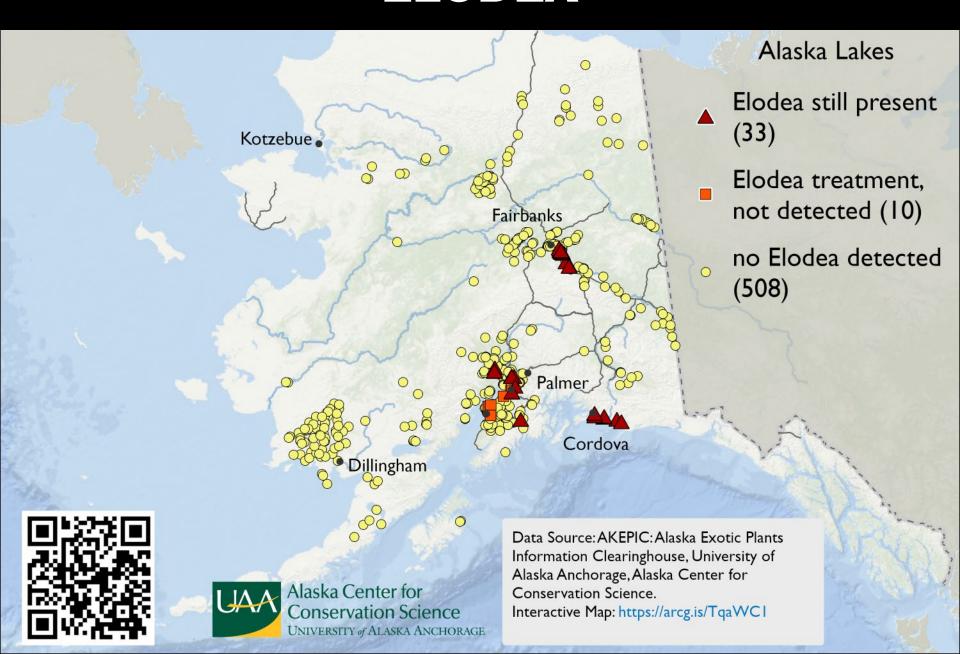
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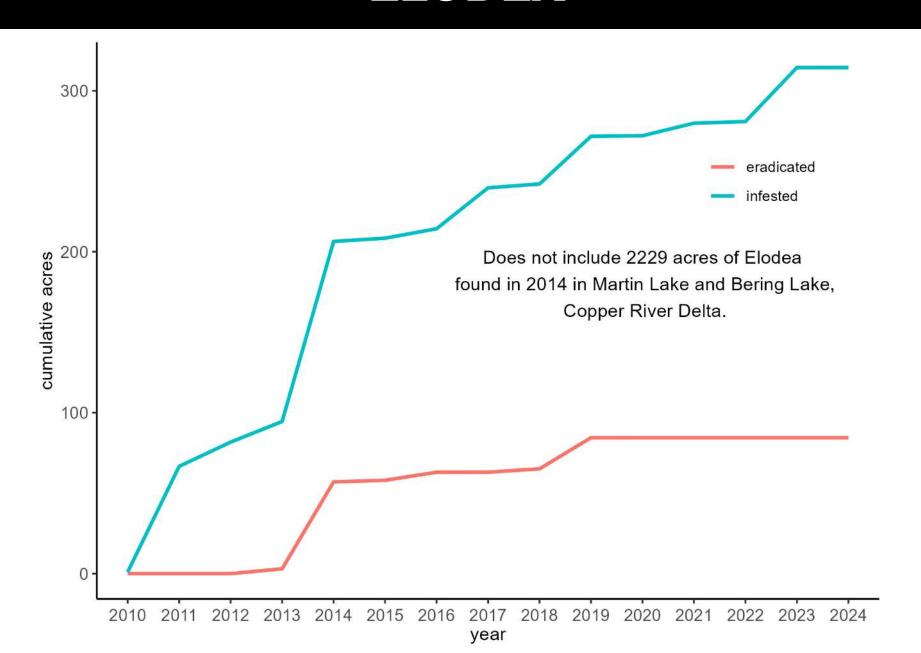
Regrow from small fragments

Difficult and costly to remove

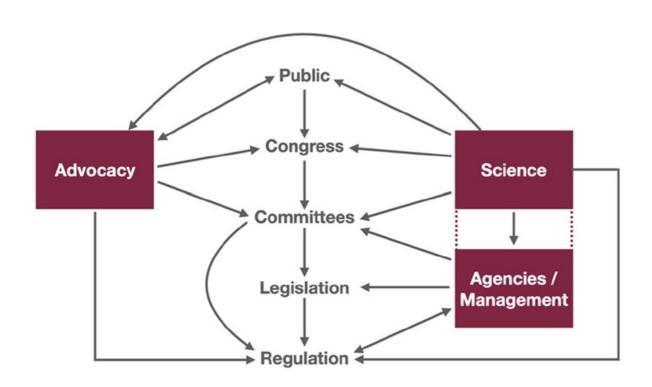
Potential to reduce revenue by est. \$97 million annually. (Schwoerer et al. 2019)







Action on Invasive Species



State Policies

Effective: June 11, 2008

West's F.S.A. § 369.251

369.251. Invasive nonnative plants; prohibitions; study; removal; rules

Effective: July 1, 2019

Ga. Code Ann., § 27-3-24

§ 27-3-24. Hunting of feral hogs

§19-16A-1. Short title.

This article shall be known as the "West Virginia Pesticide Control Act of 1990".

Ark. Admin. Code 007.10.33-XI

007.10.33-XI. VECTOR AND RODENT CONTROL.

N.C.G.S.A. § 113-292

S.C. Code of Regulations R. 27-5

§ 113-292. Authority of the Wildlife Resources Commission in regulation of inland fishing and the introduction of exotic species

27-58. Asian Longhorned Beetle Quarantine.

Regs. Conn. State Agencies § 22-84-5g

Sec. 22-84-5g. Regulation of firewood transported into and within Connecticut

Example: Montana Mussel Program

Montana Aquatic Invasive Species Boat Inspections - 2024 Season

AIS Mussels Fouled Boats

42

Statewide Total

*Data does not filter by month

High Risk Boats

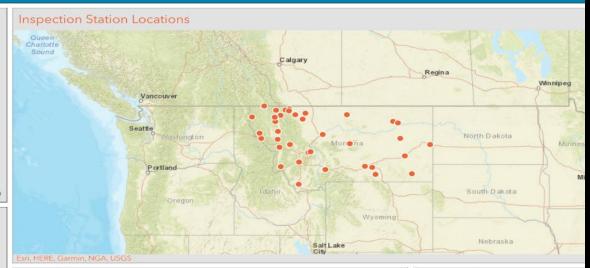
37,913

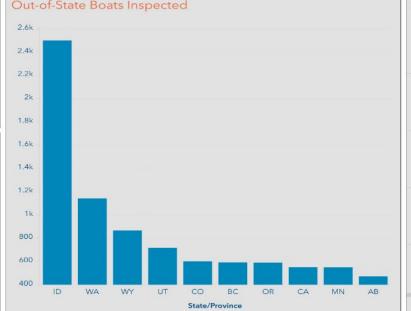
*Boats last launched in states with known AIS infestations

Total Watercraft Inspections

100,064

updated every Monday afternoon





AIS Fouled Boats

Inspection Station - Anaconda Date: 10/23/2024, 4:00 PM Water Last Launched: Lake Michigan State of Origin: IL

Inspection Station - Anaconda Date: 10/23/2024, 4:00 PM Water Last Launched: Lake Michigan State of Origin: IL

Inspection Station - Hardin Date: 10/14/2024, 4:00 PM Water Last Launched: Lake Michigan State of Origin: WI

Inspection Station - Wibaux Date: 10/11/2024, 4:00 PM Water Last Launched: Lake Michigan State of Origin: MI

Inspection Station - Anaconda Date: 10/7/2024, 4:00 PM Water Last Launched: Lake Oahe State of Origin: SD

*Data does not filter by month

National & Regional Coordination











Coordination

Alaska Invasive Species Partnership



The AKISP is an informal affiliation of interested individuals representing agencies, organizations, and members of the public.

Our goal is to heighten *awareness* of the problems associated with non-native invasive species and to bring about greater statewide *coordination*, *cooperation* and *action* to halt the introduction and spread of these invasive species.

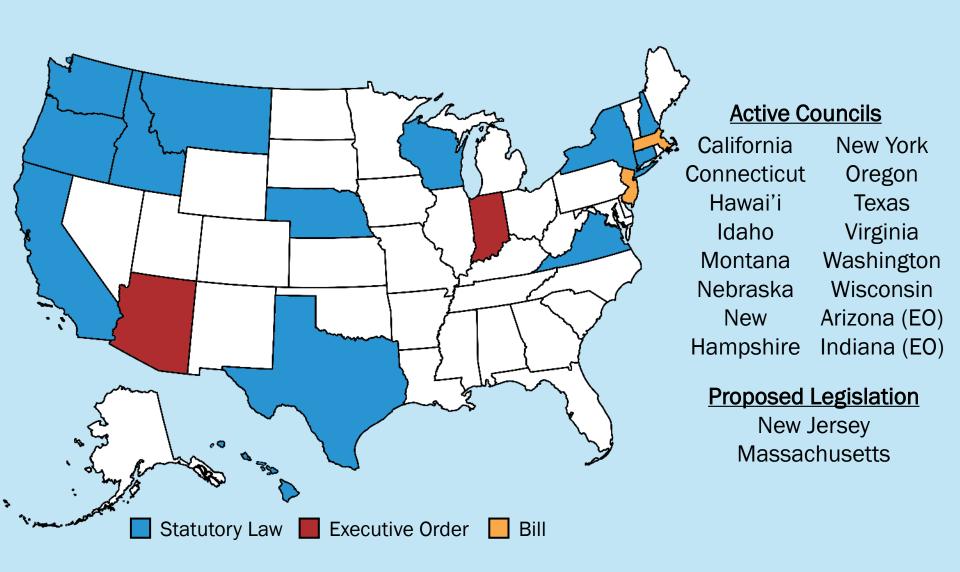
Coordination

Alaska Invasive Species Partnership



Alaska Exotic Plant Information Clearinghouse
Alaska Invasive Plant Ranking System
Alaska Aquatic Invasive Species Clearinghouse
Annual Workshops

State Invasive Species Councils



State Invasive Species Councils

Fish & Game

Transportation



Agriculture



Natural Resources



Economic Development



Environmental Ouality



Health & Human Services



Non-state members: county/municipal governments, industry, non-profits, large landowners, Universities, Tribal Governments, interest groups

State Invasive Species Councils

Fish & Game

Transportation

Agriculture







Natural Resources

Economic Development

Environmental Quality

Health & Human Services









Accountability
Transparency
Coordination
Authority
Responsiveness
Efficiency



Acknowledgements

Dr. Tobias Schwoerer, International Arctic Research Center
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Tammy Davis, Alaska Department of Fish & Game
Alaska Invasive Species Partnership
Southeast Alaska Watershed Coalition
Representative Himschoot
Senator Dunbar



Questions?



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