# Building A Shared Legacy Against Invasive Species in the US Arctic

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#### IN ALASKA OUTDOOR RECREATION GENERATES:

\$7.3
BILLION
IN CONSUMER
SPENDING ANNUALLY

72,000 DIRECT JOBS





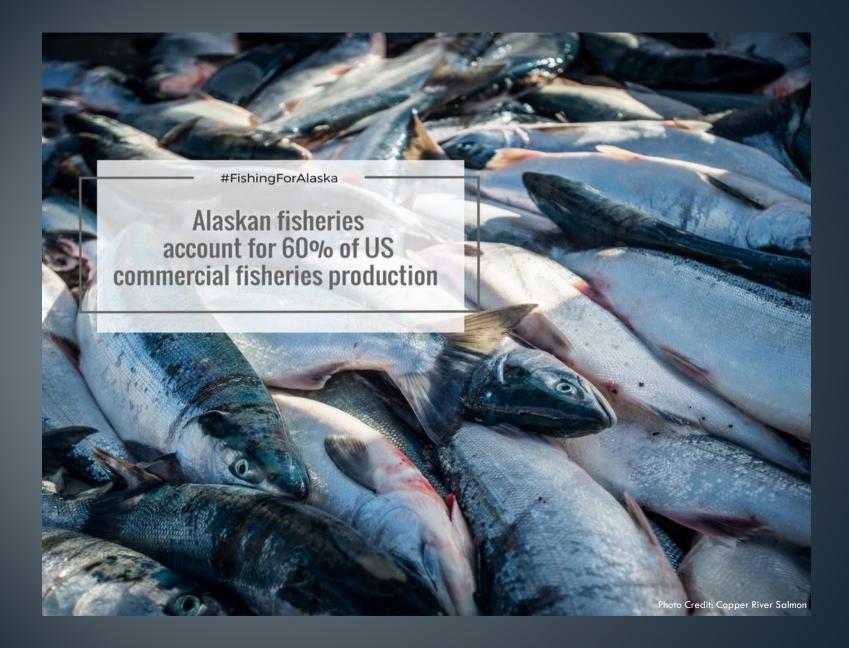
\$2.3 BILLION IN WAGES AND SALARIES \$337 MILLION IN STATE AND LOCAL TAX REVENUE







Alaska Department of Labor and Workforce Development





### Our challenge





















### Partnerships and Plans

ARIAS step-down plan for the U.S. – February 2019















#### I. Inspire urgent and effective action

#### Communication Plan Goal:

- A shared framework that includes objectives, target audiences, strategies, timelines, roles, and measures of success.
- Vision: "preserve the wild and free nature of Alaska through an inspired public that are active participants in preventing the spread and introduction of invasive species."
- Key Audiences:
  - Educators
  - Outdoor Gear Retailers and Recreationist
  - Tourism Companies
  - Legislators
  - Pet owners and gardeners

#### I. Communication continued

- Objectives Target audiences will:
  - understand and be motivated;
  - identify species;
  - know how to respond;
  - prevent the introduction/spread; and
  - feel confident they are not a vector.

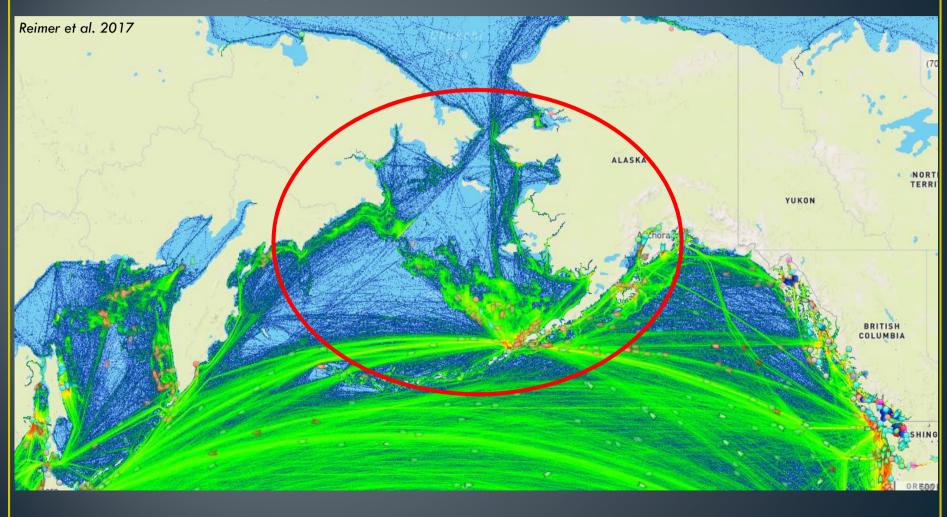


### II. Improve the knowledge base - Vector and Habitat Suitability Analyses

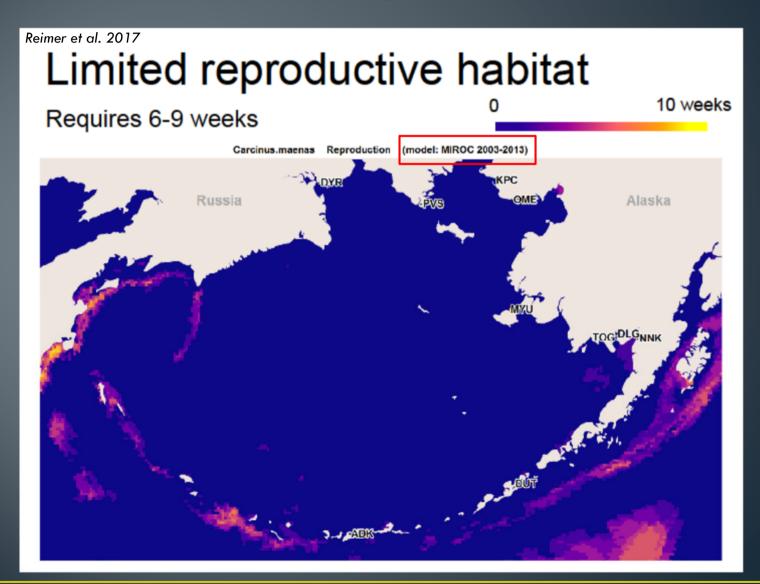


#### Marine Vectors

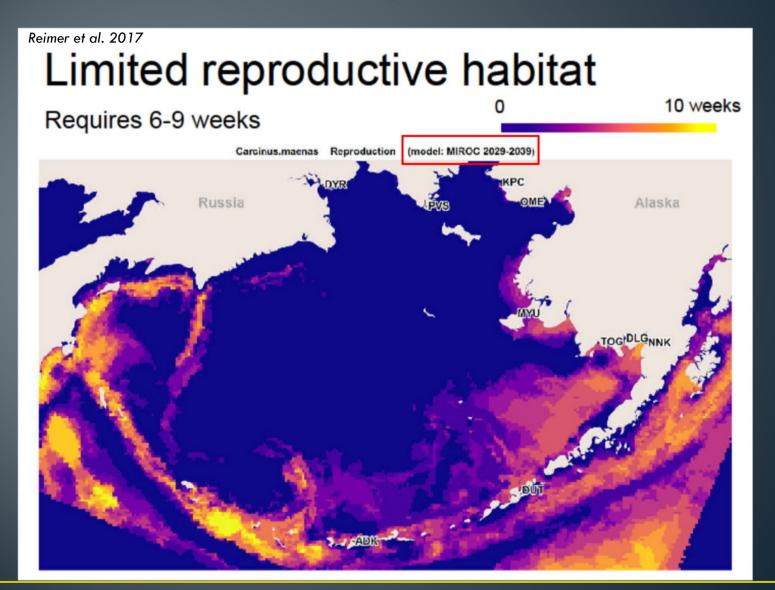
Commercial boating traffic in the North Pacific (2015).



### Bering Sea Habitat Suitability – Carcinus maenas (European Green Crab)



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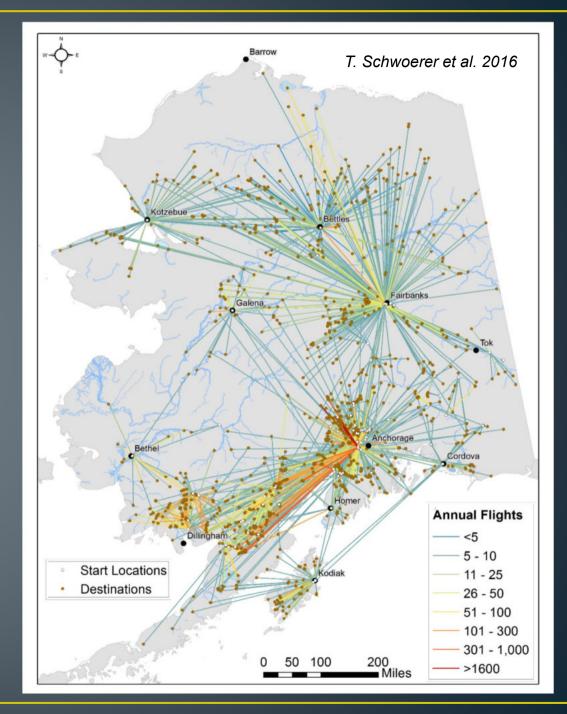


### Freshwater Vectors

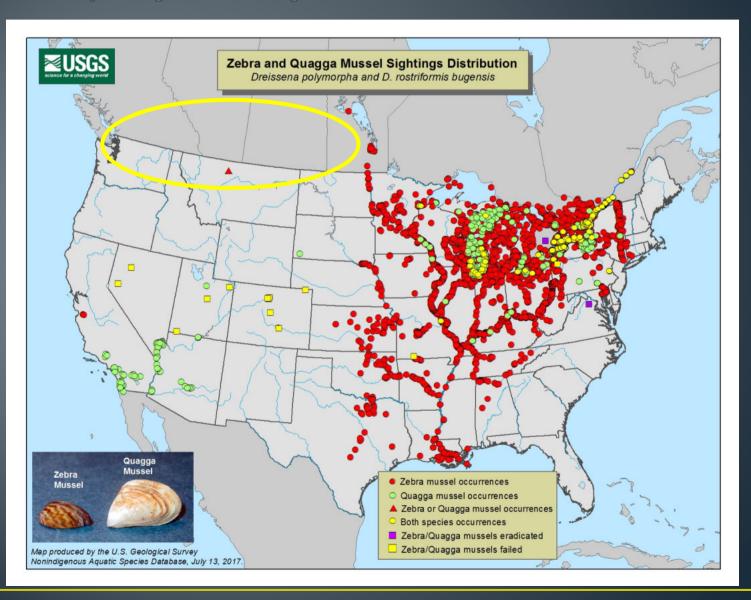
- Aquariums
- Floatplanes
- Boats
- Fishing equipment

Elodea spp.





### III. Undertake Prevention and Early Detection/Rapid Response Initiatives



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- Invasive Species Inspections and Decontamination
  - Alcan Highway Port of Entry (U.S. Canada Border)
    - Three years of pilot work
    - $\sim$ 50% of watercraft from high risk states
    - > 25% of watercraft not inspected in route
  - Next Steps
    - Expand local efforts
    - Work with Marine Highway system
    - Outreach







"We have a unique opportunity in the Arctic. We can act <u>now</u>—decisively - to prevent and mitigate the adverse impacts of invasive alien species that plague much of the rest of the

world..." Arctic Invasive and Alien Species Strategy and Action Plan 2017

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