



MANAGING INVASIVE SPECIES THROUGH COLLABORATION IN ALASKA

Alaska House Resources Committee
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AARON MARTIN

INVASIVE SPECIES PROGRAM COORDINATOR

U.S. FISH AND WILDLIFE SERVICE

ALASKA REGION

907-786-3510



Federal Mandates & Policies

- National Invasive Species Act

- ANS Task Force and regional panels
- Funding for State ANS Management Plans
- Quagga-Zebra Mussel Action Plan Funding

- Lacey Act

- List species as injurious
- Prohibit the importation and shipment

- Endangered Species Act

- Sport Fish Restoration (aka DJ) Act

- Executive Order 13751 (2016)

- Prevent the introduction and spread; and
- Support efforts to eradicate and control.

- 50 CFR 27.52 – Introduction of Plants and Animals

- *601 FW 3* - NWR Biological integrity, diversity, and environmental health policy

Alaska by the numbers

230 Federally Recognized Tribes,
12 Regional Native Corporations.

Outdoor Recreation: **\$7.3B**

- Lake Hood floatplane base: ~**\$56M** annually (labor + economic activity)
- Boaters: **\$587M** annual economic impact (~3,000 jobs, 320 businesses)
- Sport Fishing: ~**\$2.5M** annually

Commercial Fishing: **\$5.2B**



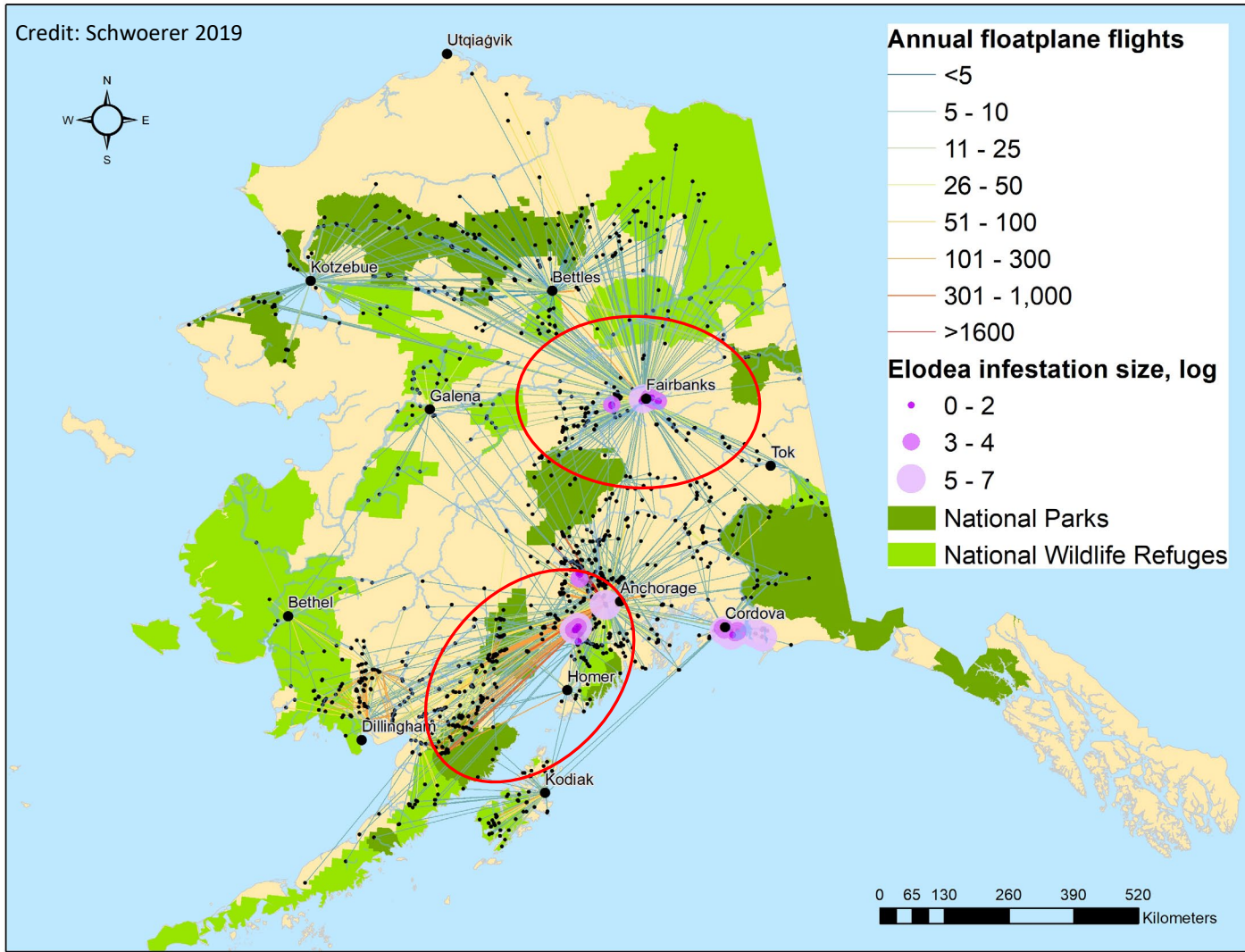
US Fish & Wildlife Service Role in Alaska

- Prevention & Outreach
- Early Detection
- Rapid Response
- Control/Management
- Research

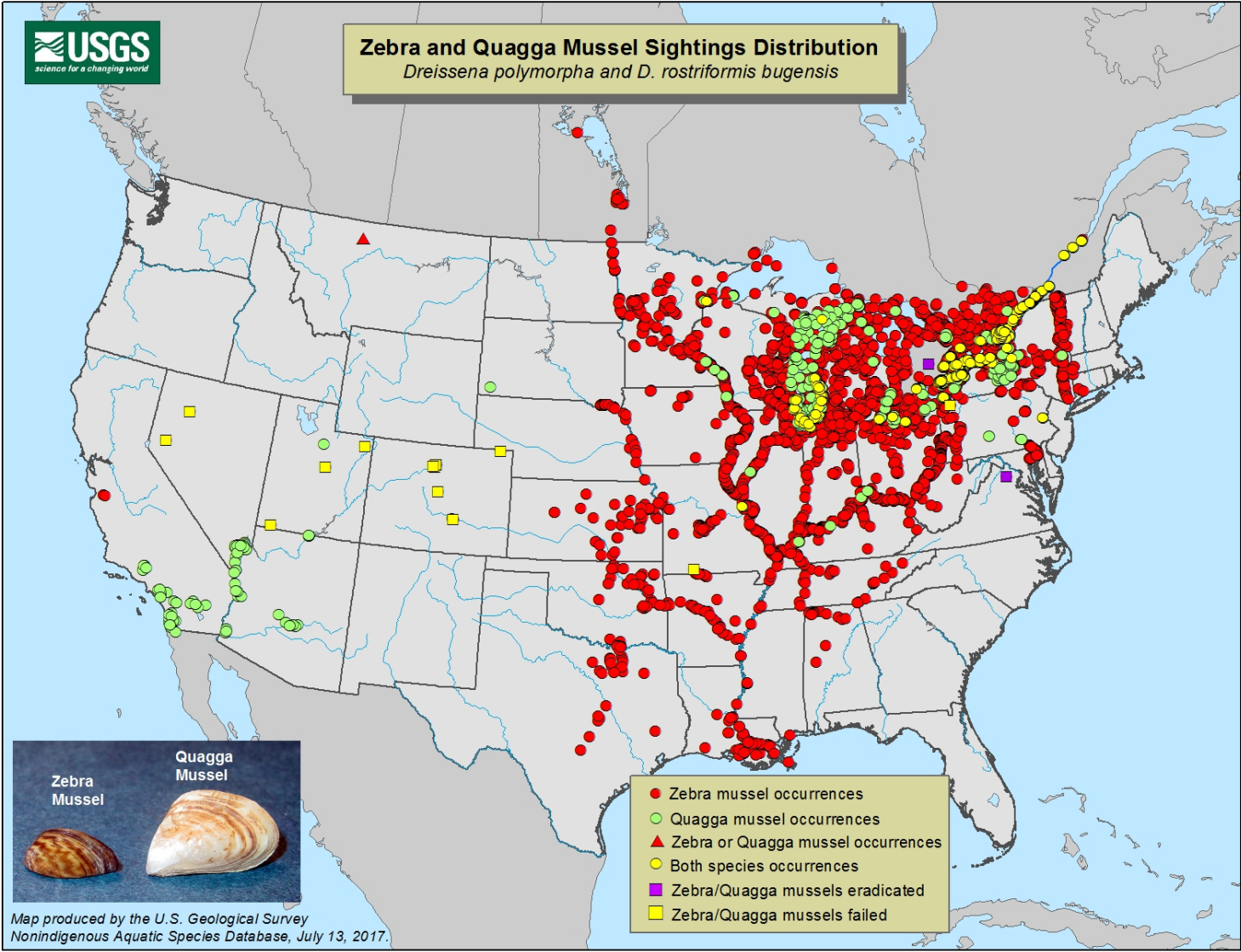


Freshwater Vectors

Floatplanes' first-leg flight paths between freshwater start and destination locations. Data from a survey with pilots about their 2015 flights. Schwoerer et al. 2017.



Freshwater Vectors



Freshwater Vectors

Legend

Highway Watercraft Inspection Stations (public view)

- Highway station (single direction)
- Highway station (both directions)
- Highway station (directionality not established)

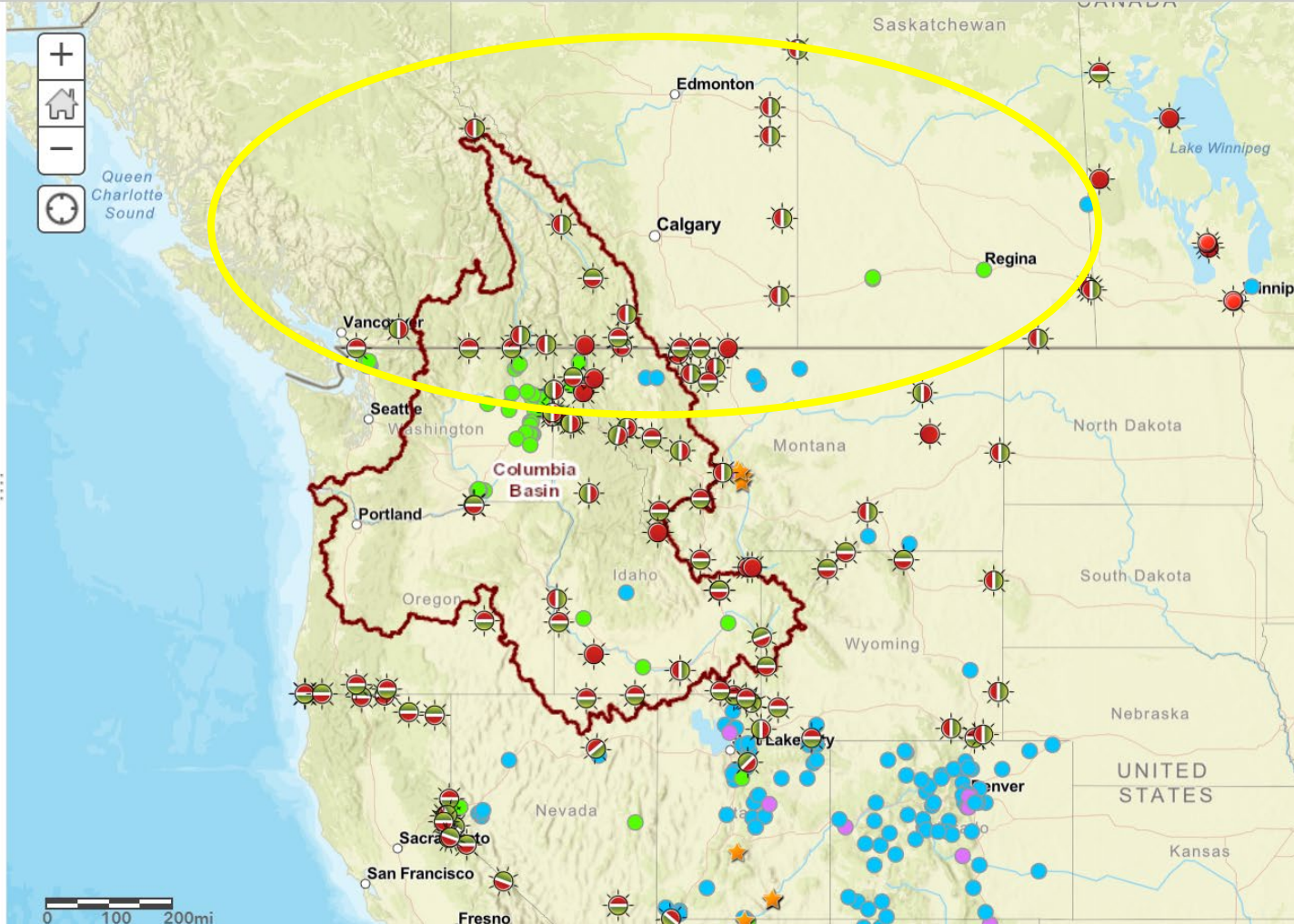
Waterbody and Source Watercraft Inspection Stations (public view)

- Waterbody station
- Roving
- Source Decontamination Station
- Office location

Columbia Basin Watershed Boundary

Columbia Basin Boundary

Credit: PSMFC 2019



Freshwater Vectors

Watercraft Inspections and Decontamination

- Alcan Port of Entry (US – Canada Border)
 - 2016-2018 initial risk assessments (~10 days each May)
 - ~**48%** of watercraft from high risk states for invasive mussels
 - ~**70%** of watercraft **not** inspected in route

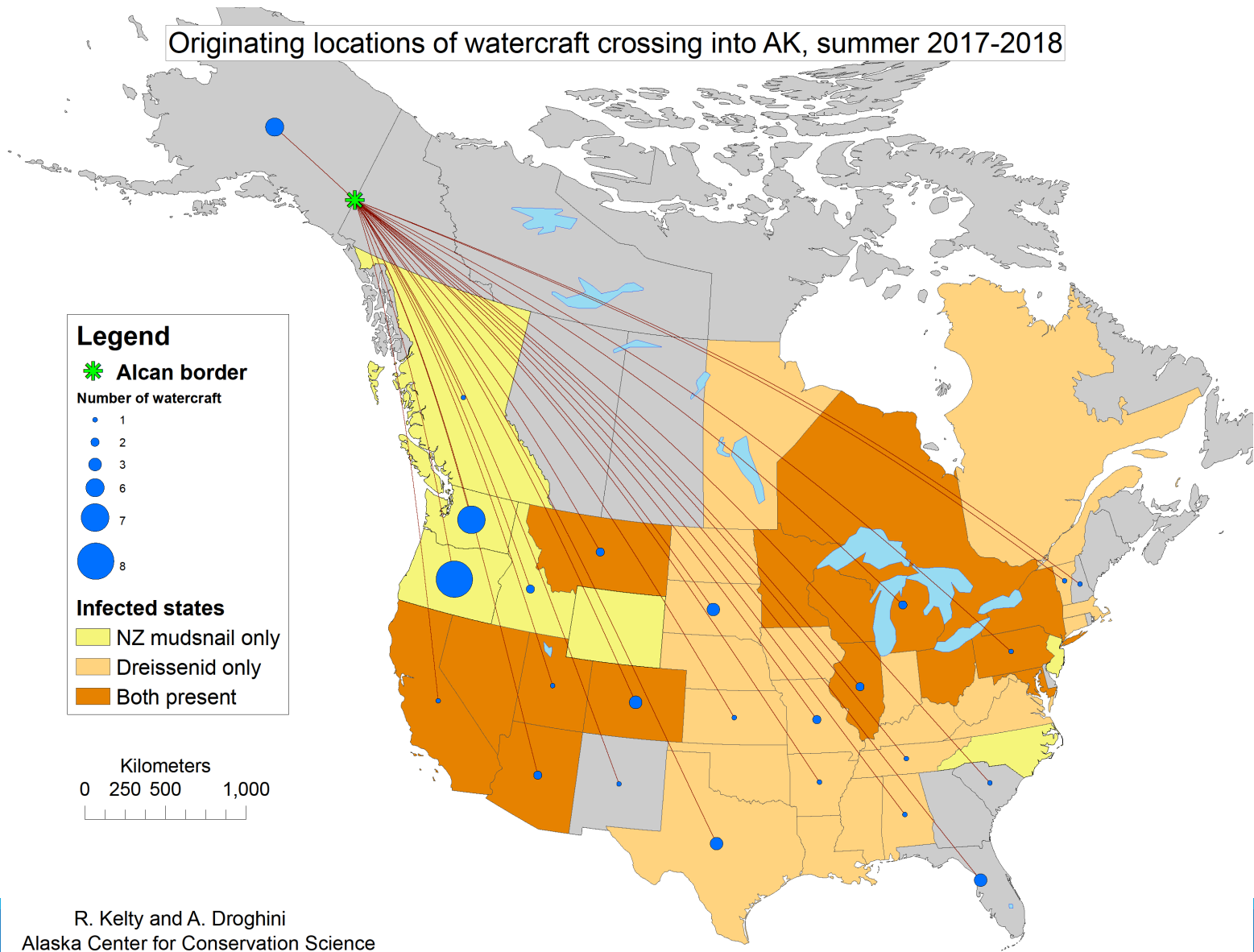


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Freshwater Vectors



Next Steps

- Expand Alcan Port of Entry efforts
- Work with Alaska Marine Highway system, State of Washington, other regions and federal agencies
- Assess risk from barged watercraft
 - AML = >630 boats in 2018
- Outreach & Education

