



Aquatic Invasive Species Monitoring

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Photo Credit: Mussel, Golden -
Alberta Invasive Species Council

Quagga Mussels

3 Species of
concern

Zebra Mussels

New Golden Mussels



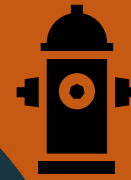
Biological

- Food Web Disruption
- Blue Green Algae
- Water Clarity



Infrastructure

- Hydroelectric Dams
- Irrigation Systems
- Hatcheries
- Fish passage



Recreational

- Fouled Engines
- Damage to Docks
- Increased Inspections
- Sharp Shells on Beaches

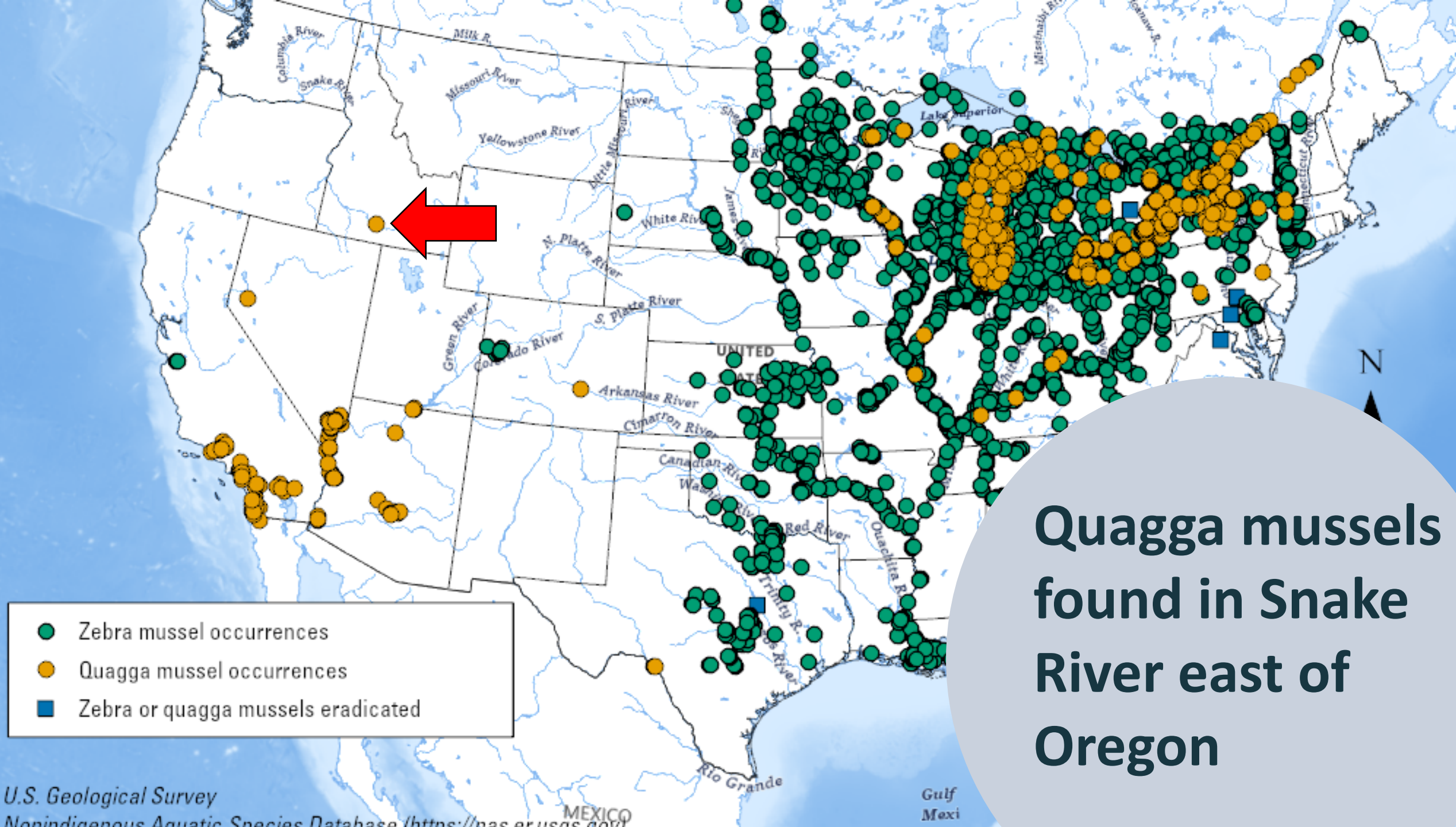


Financial

- **Potential \$500 million annually** to Columbia River Basin dams.
- **\$1 Billion annually** to Great Lakes and Mississippi infrastructure



**Expected
impacts to
Oregon**



Quagga mussels
found in Snake
River east of
Oregon

Golden mussels recently found in Sacramento delta

132

Watercraft traveled from golden mussel infested waters to Oregon in 2024



Pathways into Oregon

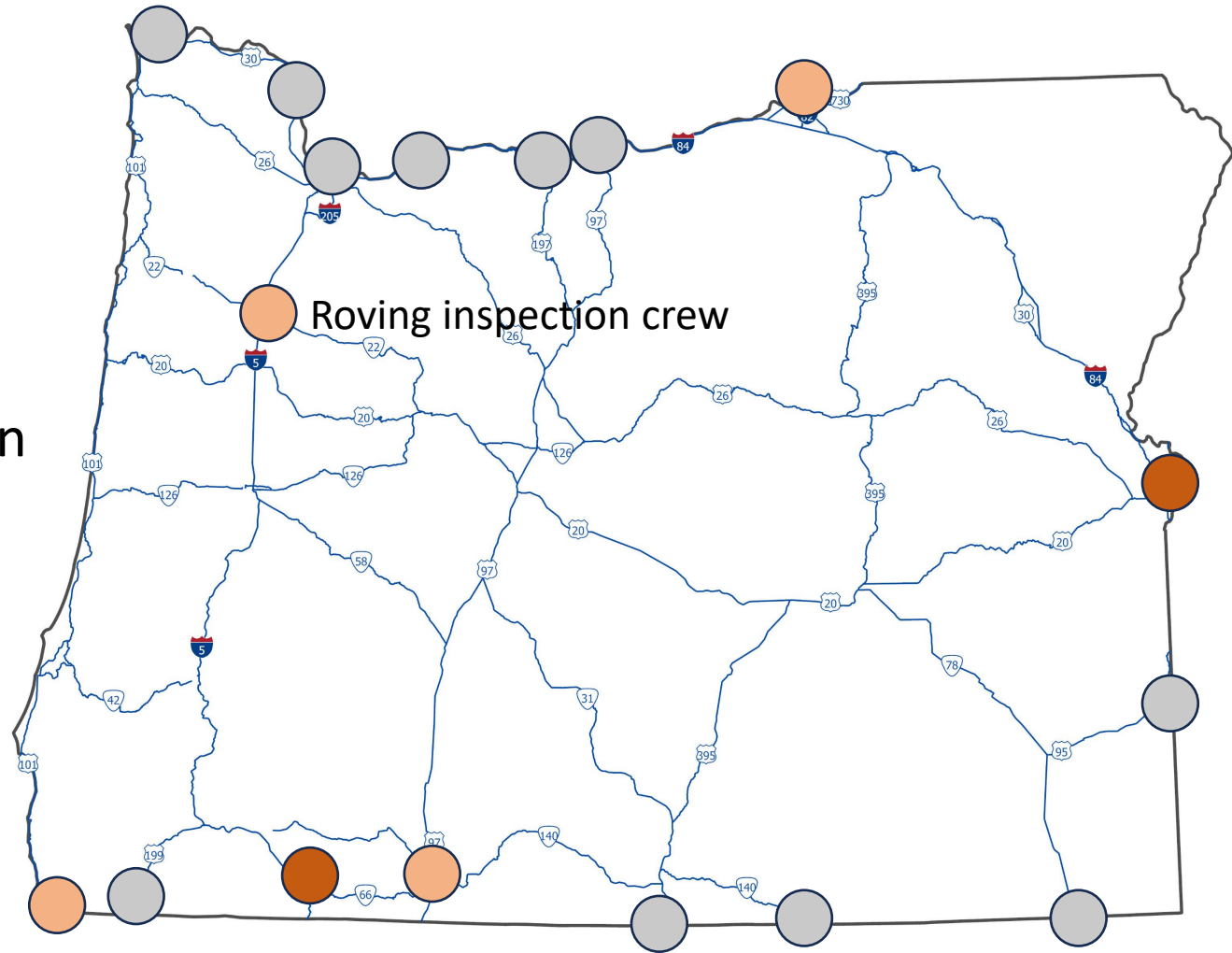
- Trailered Watercraft
- Ballast Water
- Natural Migration





Existing Watercraft Inspection Stations

- Permanent Check Station
- Seasonal Check Station
- Unchecked Entry Point



Oregon Inspections (2010 – 2024)



226,524

Total
Watercraft
Inspected



3,636

Biofouled
Watercraft



173

Mussel
Fouled
Watercraft