



# Aquatic Invasive Species Prevention

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Photo Credit: Mussel, Golden -  
Alberta Invasive Species Council



Quagga Mussels

**3** Species of  
concern

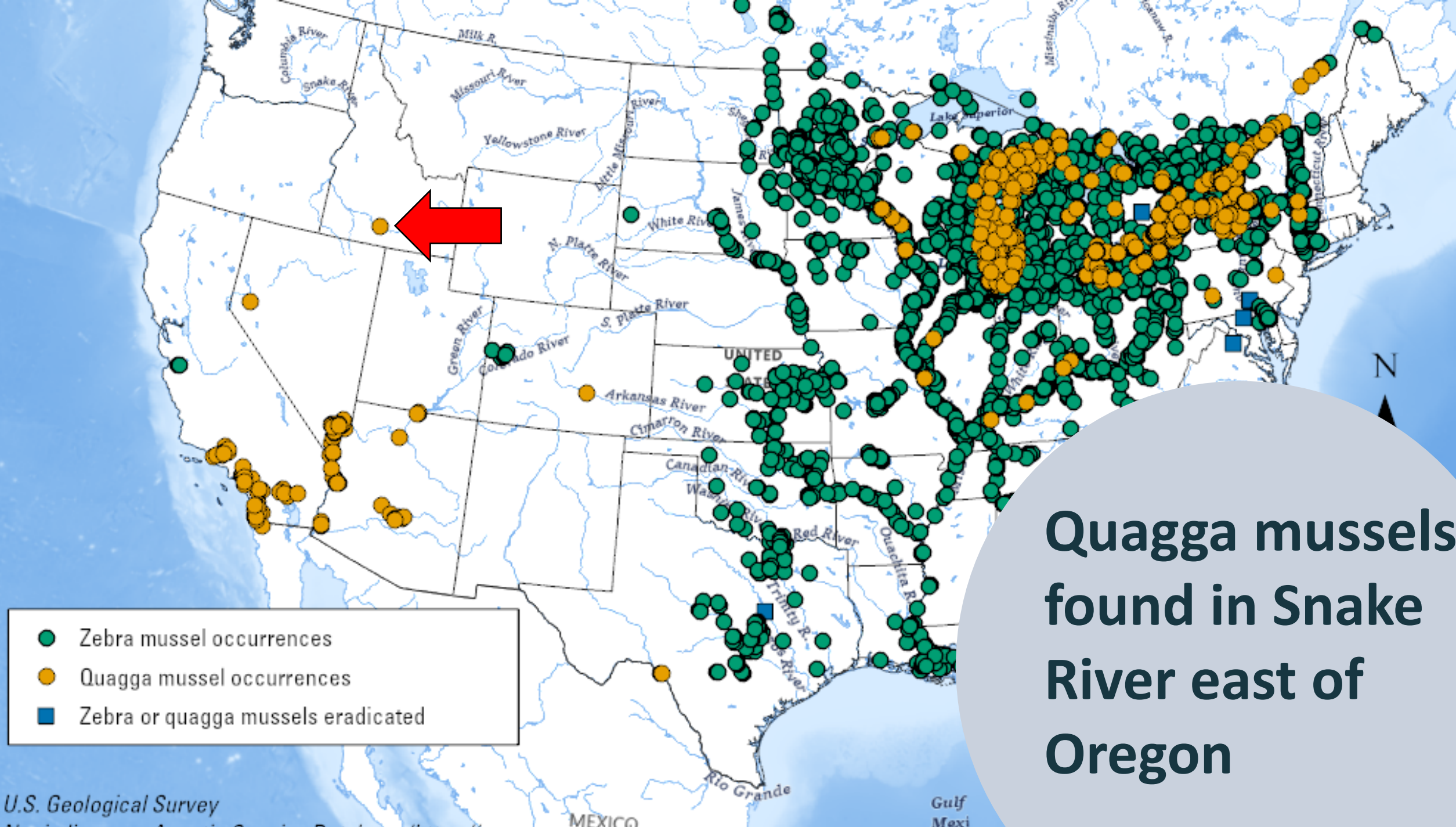
Zebra Mussels

**New** Golden Mussels

# Pathways into Oregon

- Ballast Water
- Trailered Watercraft
- Natural Migration





- Zebra mussel occurrences
- Quagga mussel occurrences
- Zebra or quagga mussels eradicated

**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





## Biological

- Food Web Disruption
- Blue Green Algae
- Water Clarity



## Infrastructure

- Hydroelectric Dams
- Irrigation Systems
- Hatcheries



**Expected impacts to Oregon**

## 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





# Waterbody Vulnerability Assessment

- Used to prioritize monitoring resources
- Existing assessment:
  - 15+ years old
  - Does not assess vulnerability to golden mussels

HB 2981 appropriates \$200K to ODFW to update the waterbody vulnerability assessment