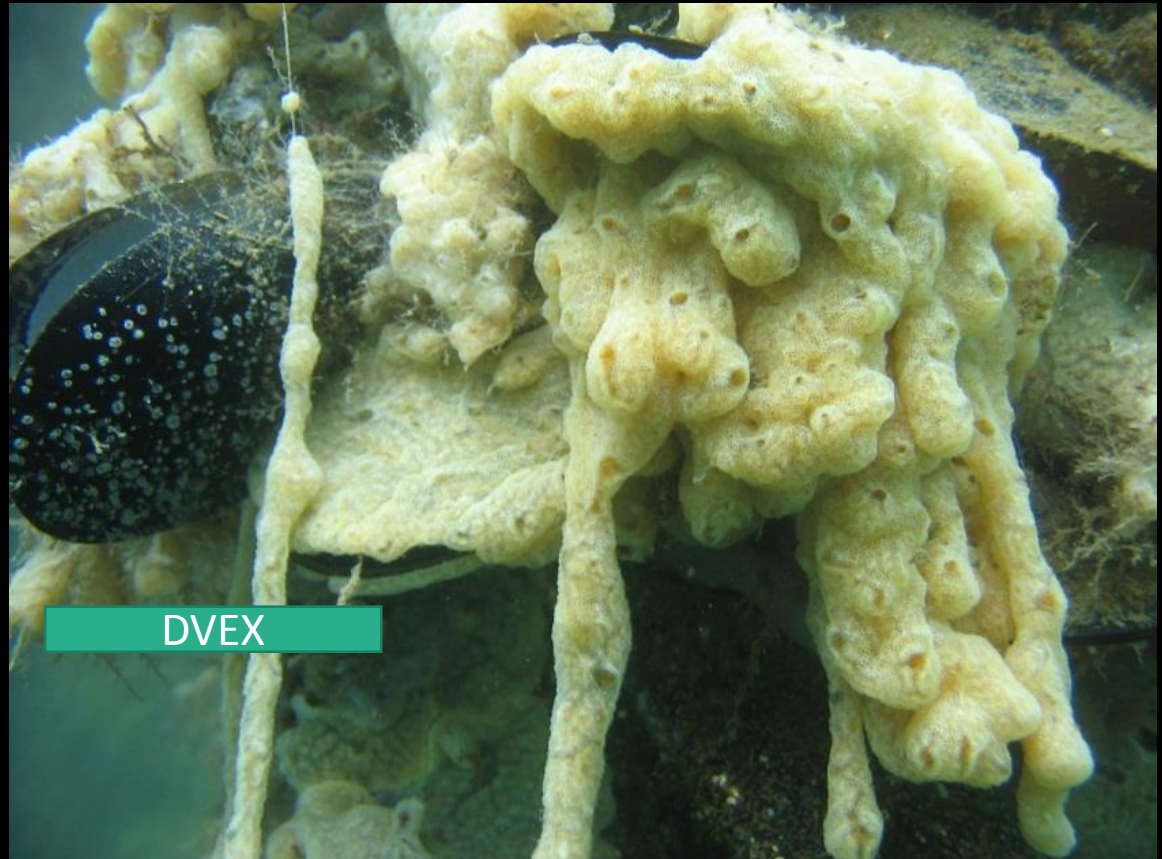


HB 38 - Aquatic Invasives

Representative Paul Seaton

House Resources

- Not Native
- Aggressive
- Likely to cause harm



What is here Now



Didemnum vexillum D vex

Elodea – Aquarium weed



Northern Pike

What may be coming



European Green Crab
200 miles south of
Ketchikan – moving north

Zebra mussels
Mud snails
Atlantic salmon
Other tunicates
?????



Rapid Growth of Dvex in Whiting Harbor near Sitka



6/24/11
(10 weeks previous)

 **9/1/11**



Whiting Harbor adjacent to Sitka Sound

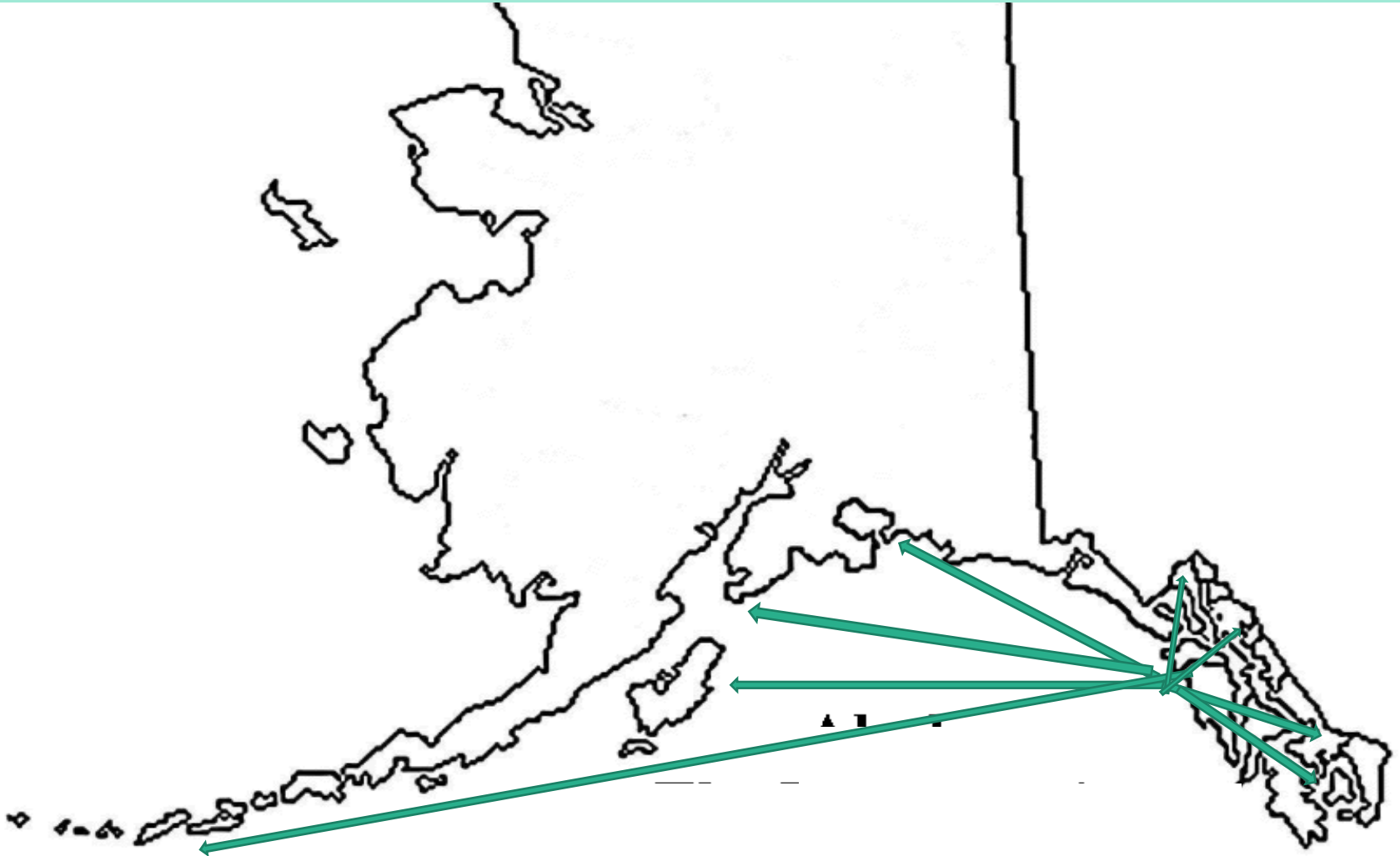


Whiting Harbor
Sitka, Alaska

Sac Roe Herring Fishery draws boats from all over



Potential vector for the spread of Dvex

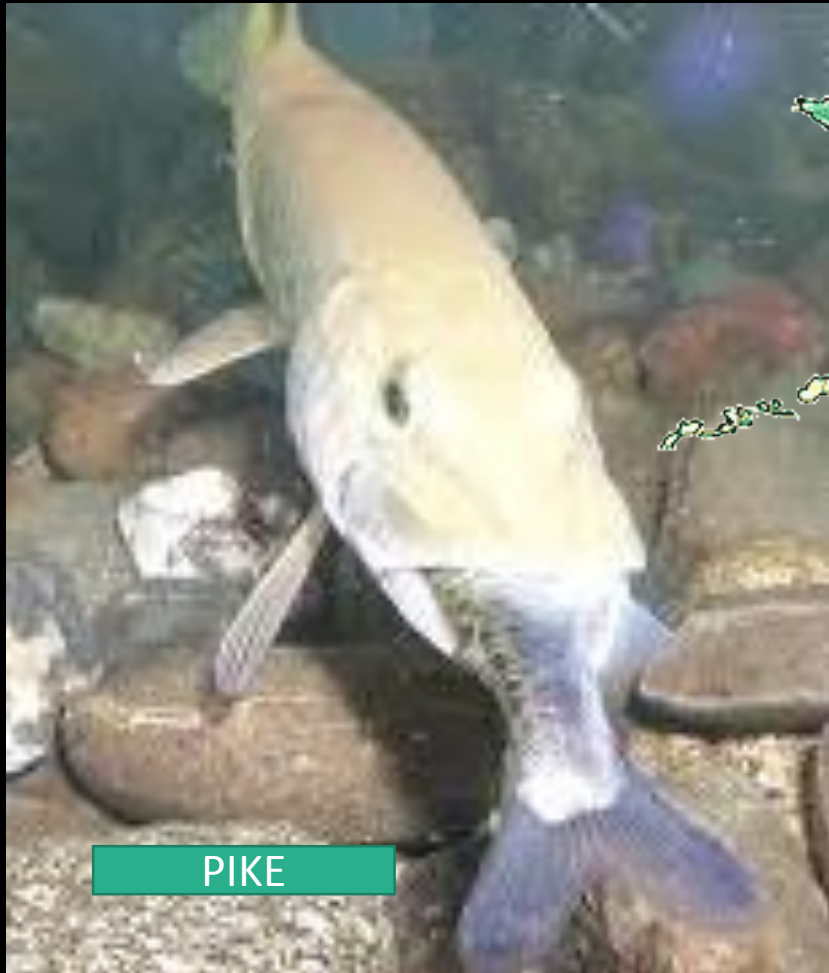




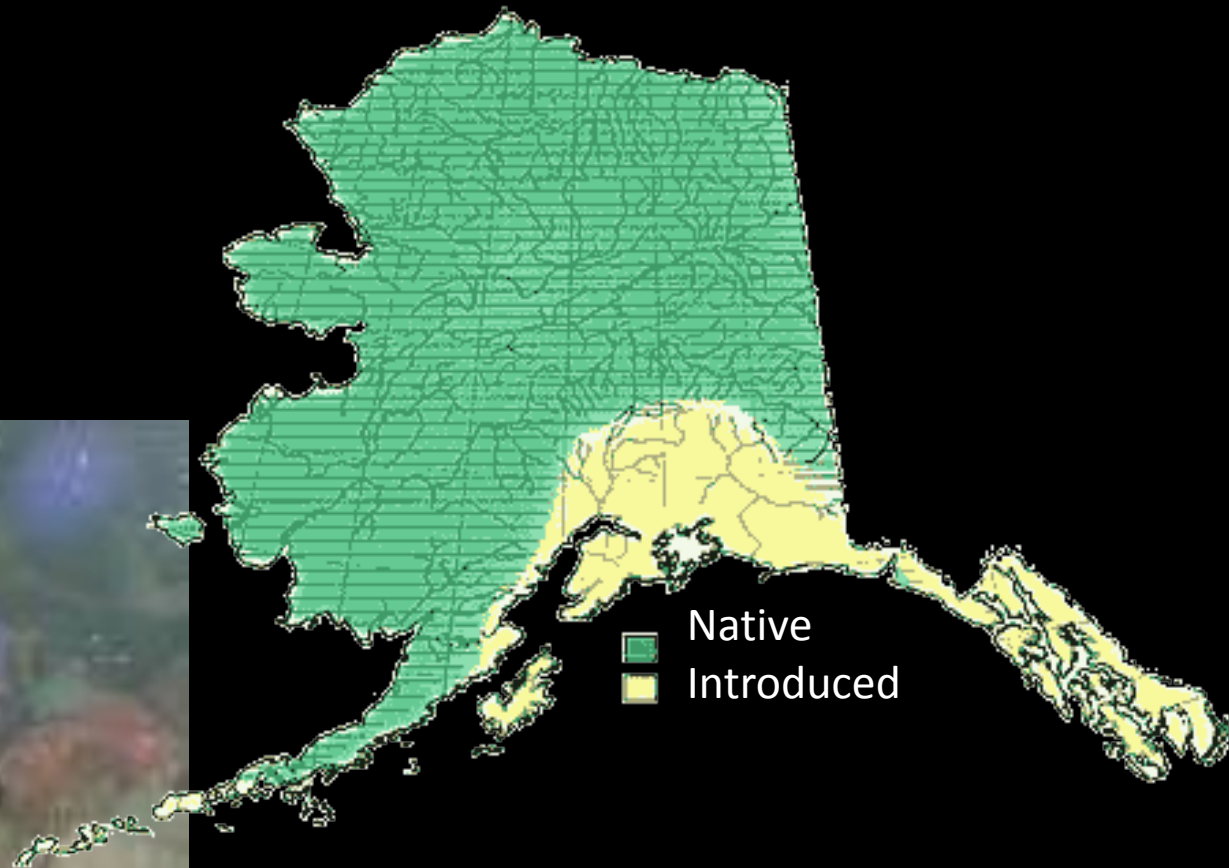
Shipping
Ballast Water
Sport Boats
Fishing Boats
Tsunami Debris
Gear
Structures - Docks



Pike



PIKE

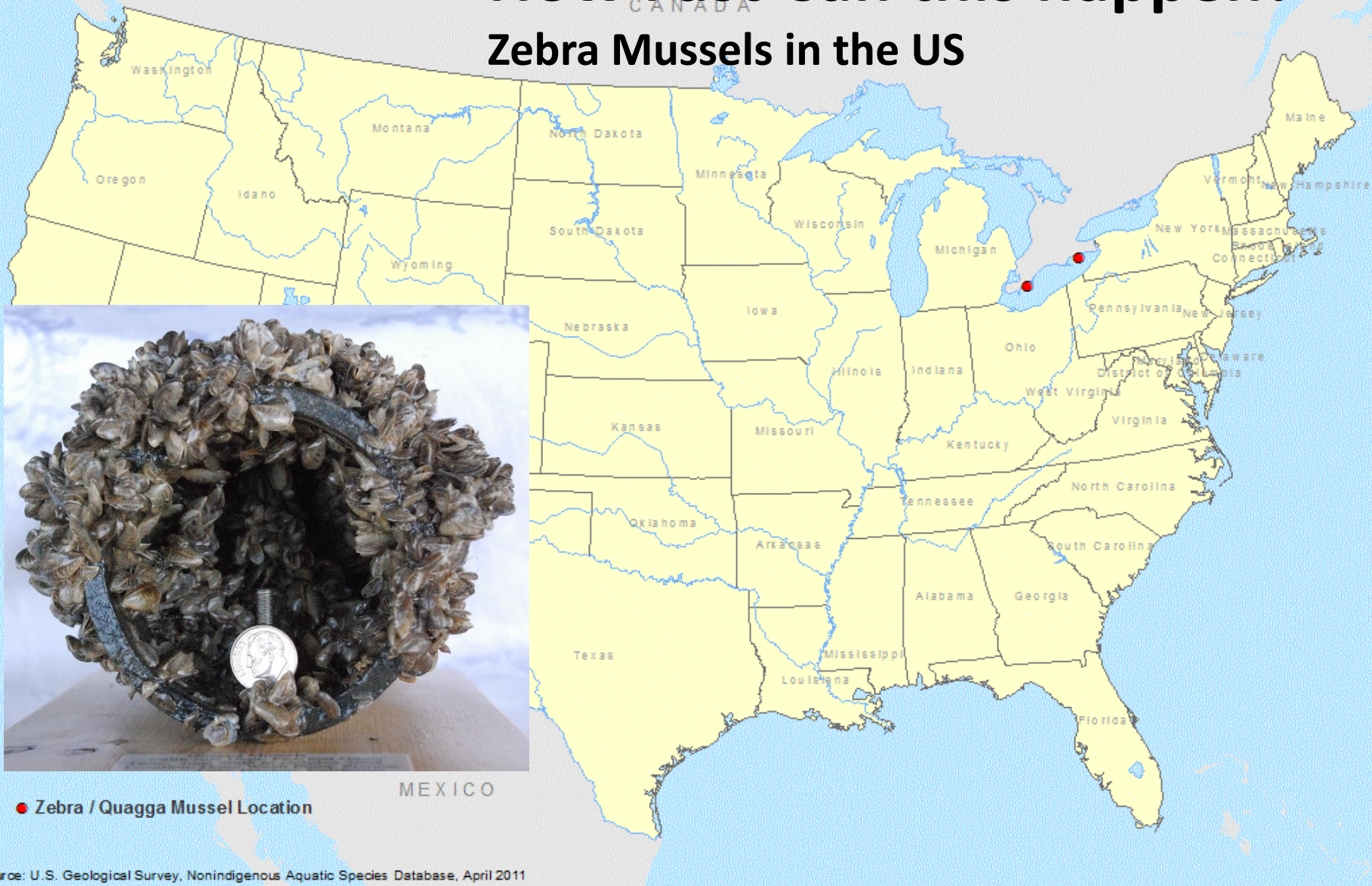


Blamed for salmon declines
in Alexander Creek
Trout declines in Kenai
Peninsula

1986

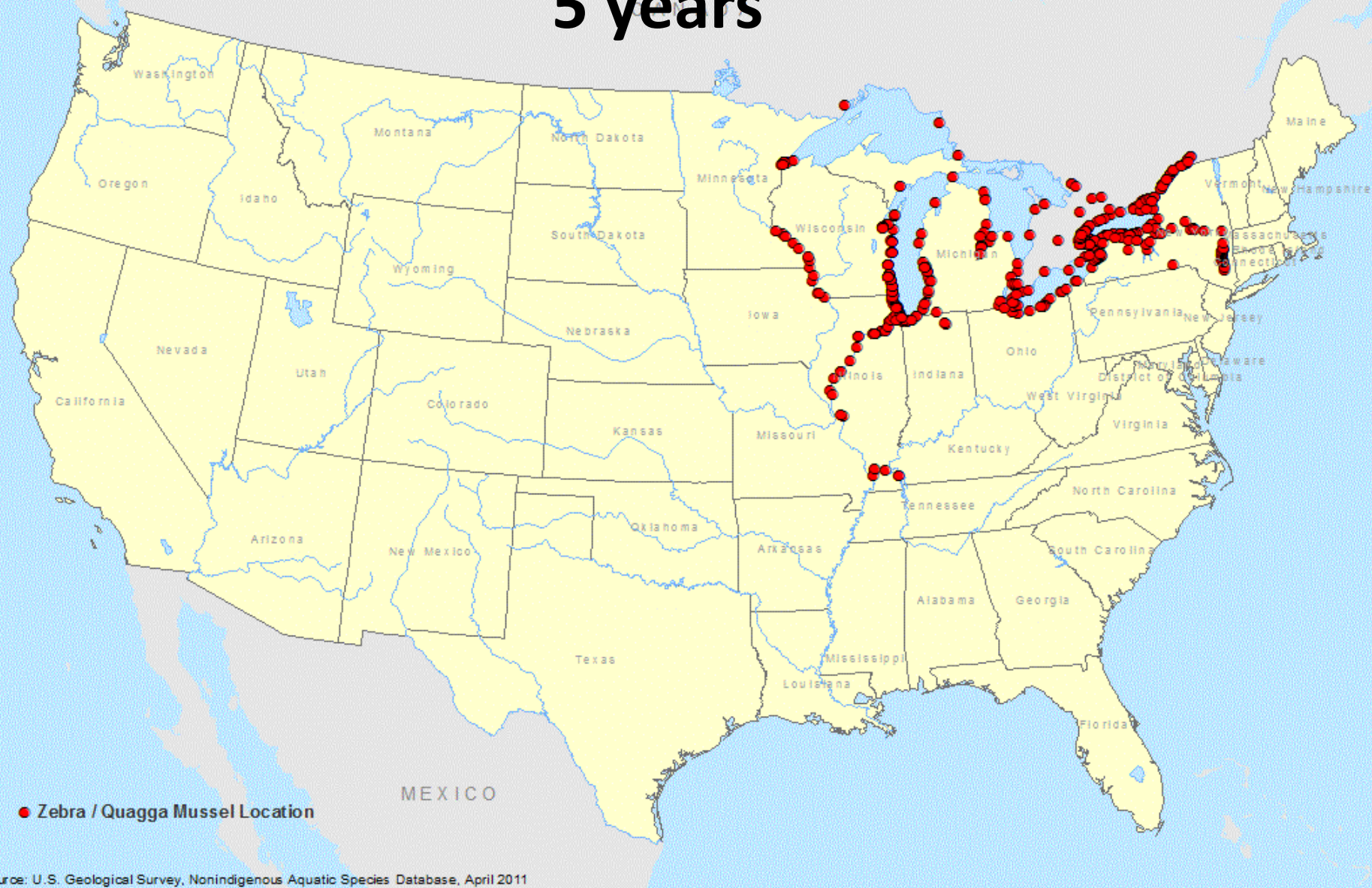
How Fast Can this happen?

Zebra Mussels in the US



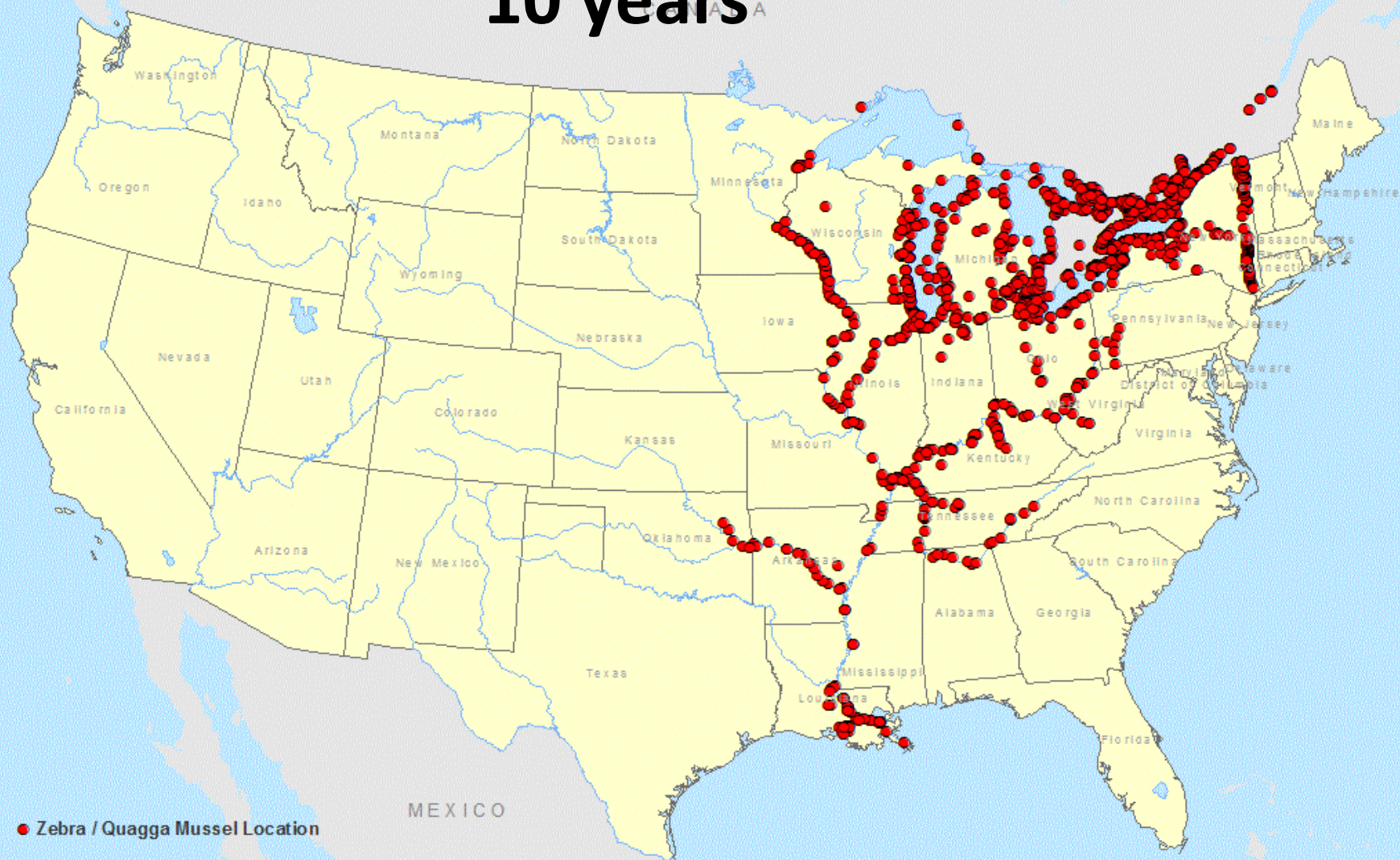
1991

5 years



1996

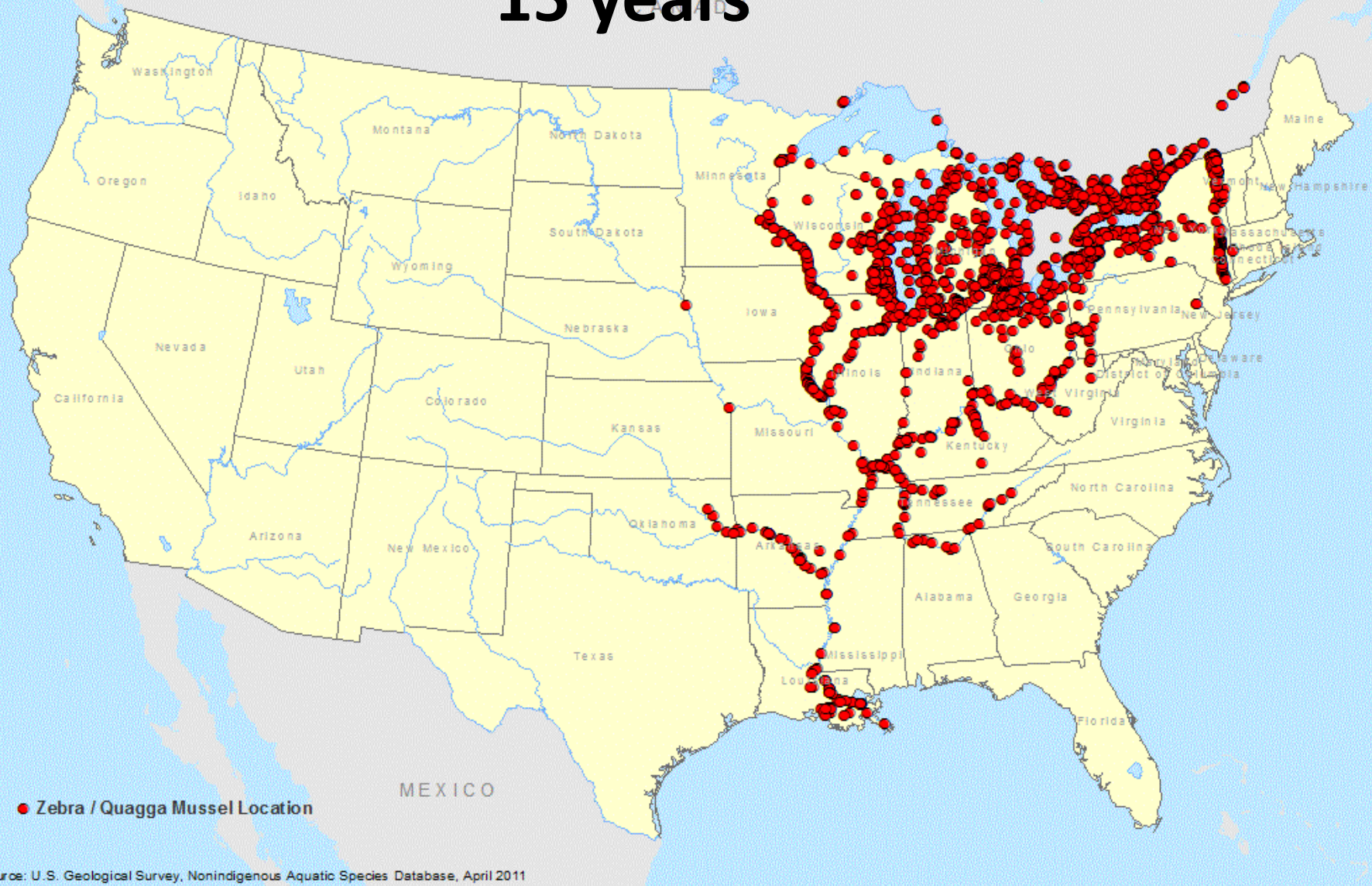
10 years



Source: U.S. Geological Survey, Nonindigenous Aquatic Species Database, April 2011

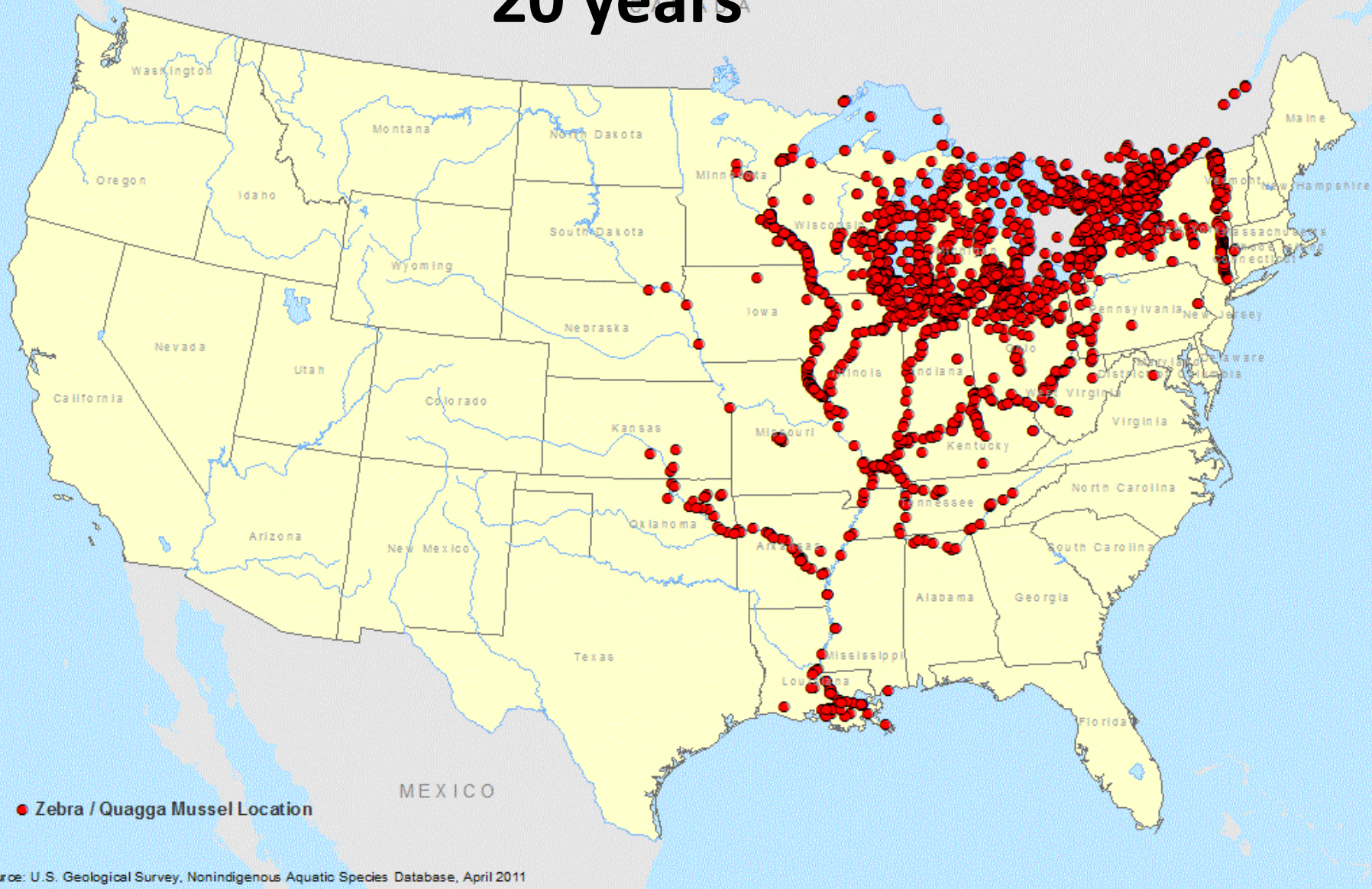
2001

15 years



2006

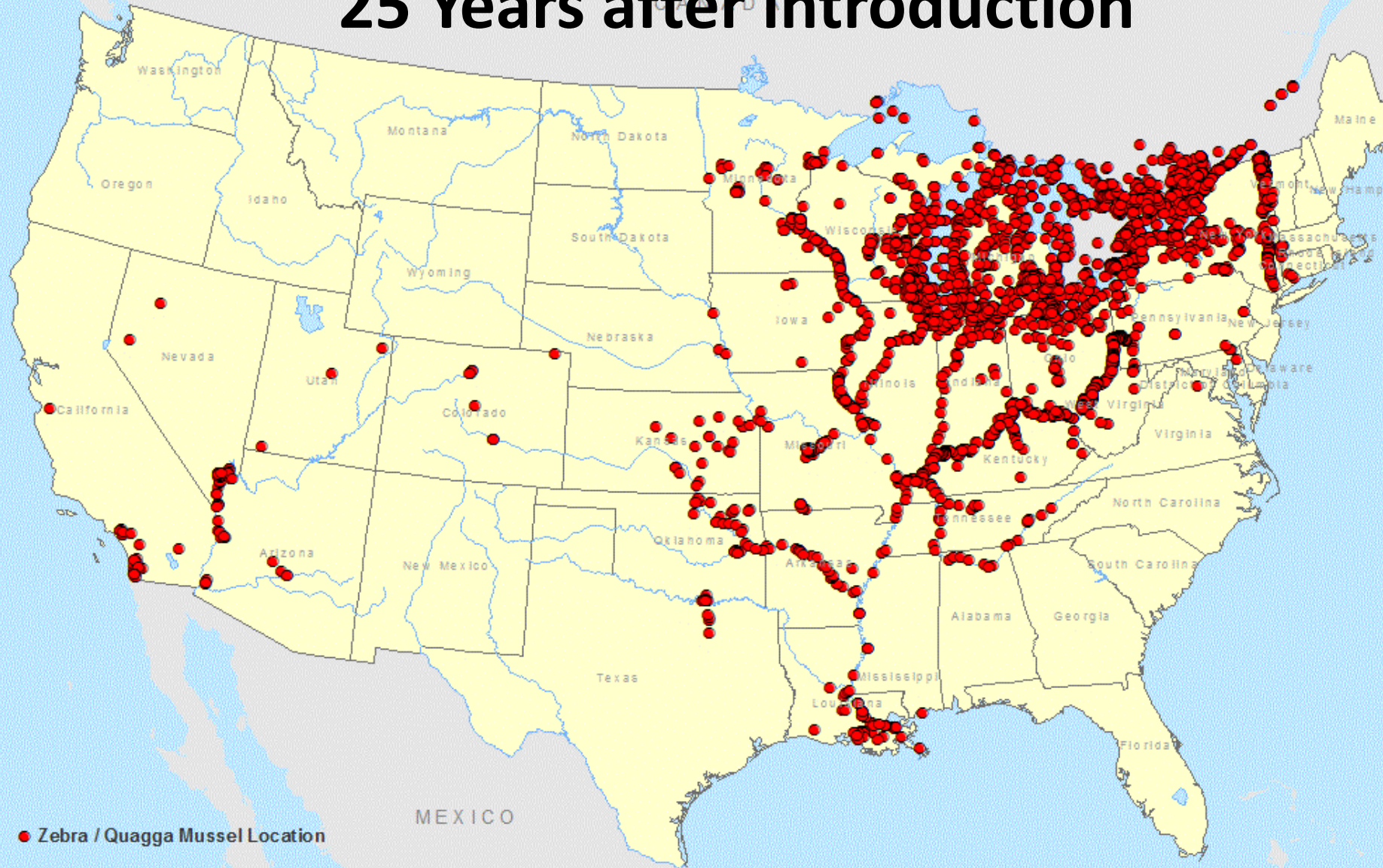
20 years



Source: U.S. Geological Survey, Nonindigenous Aquatic Species Database, April 2011

2011

25 Years after introduction



Pacific Northwest is
last unaffected
region in North
America



Typical Species Invasion Curve

