Don't Move a Mussel!

Idaho's Invasive Species Program

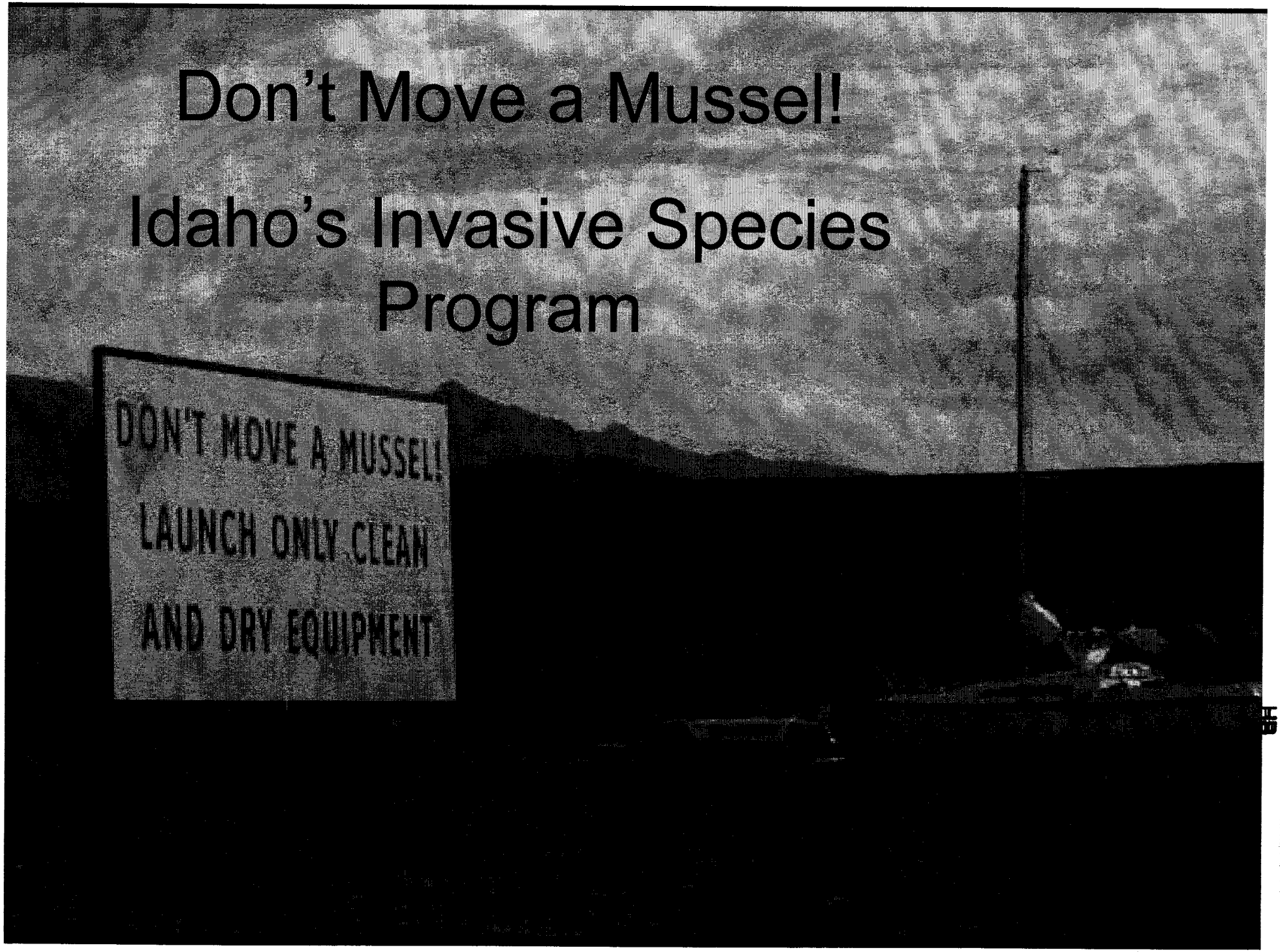

EXHIBIT 1
DATE 1/9
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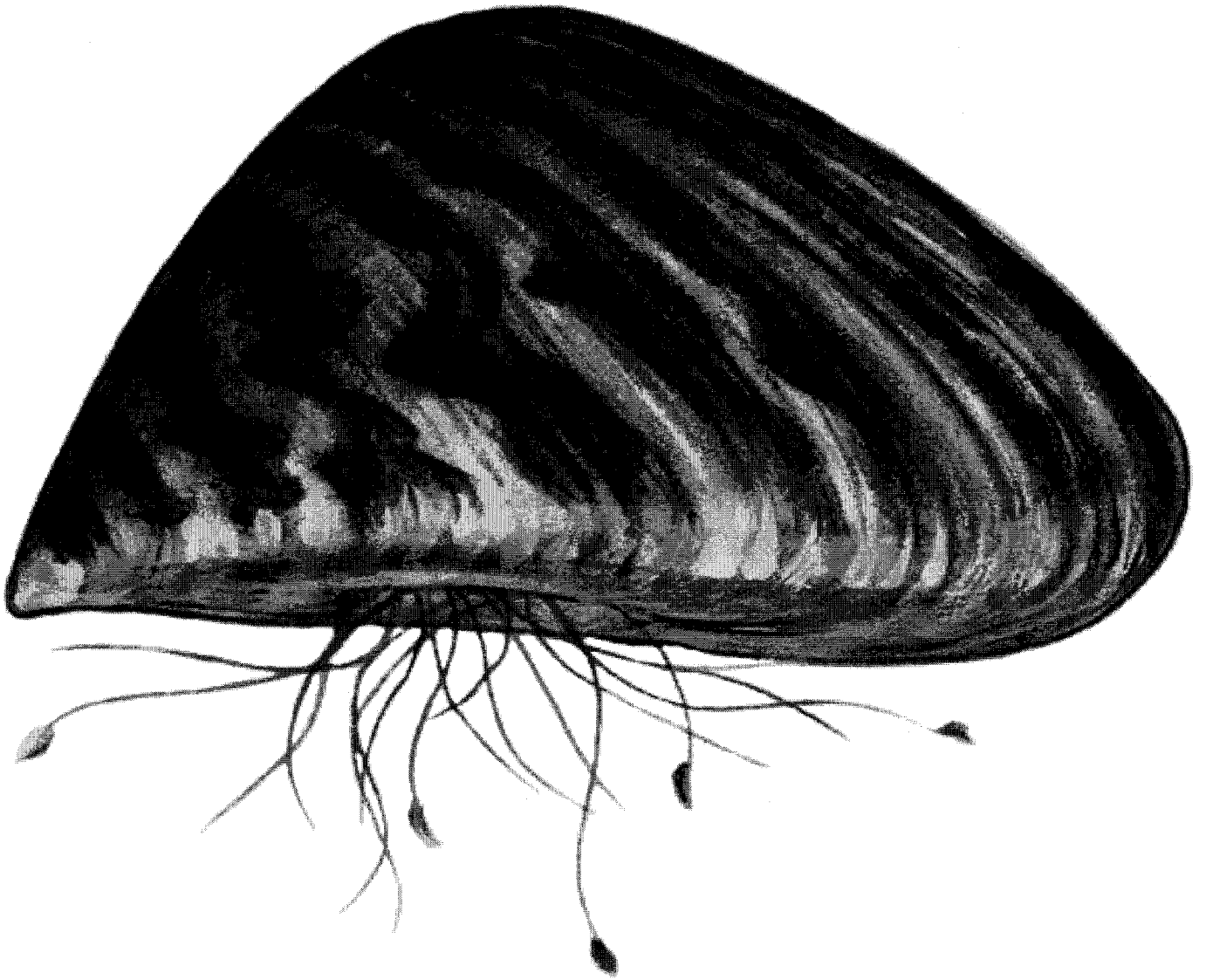

Gina Mikel, http://www.scientificillustrator.com

Veligers are microscopic

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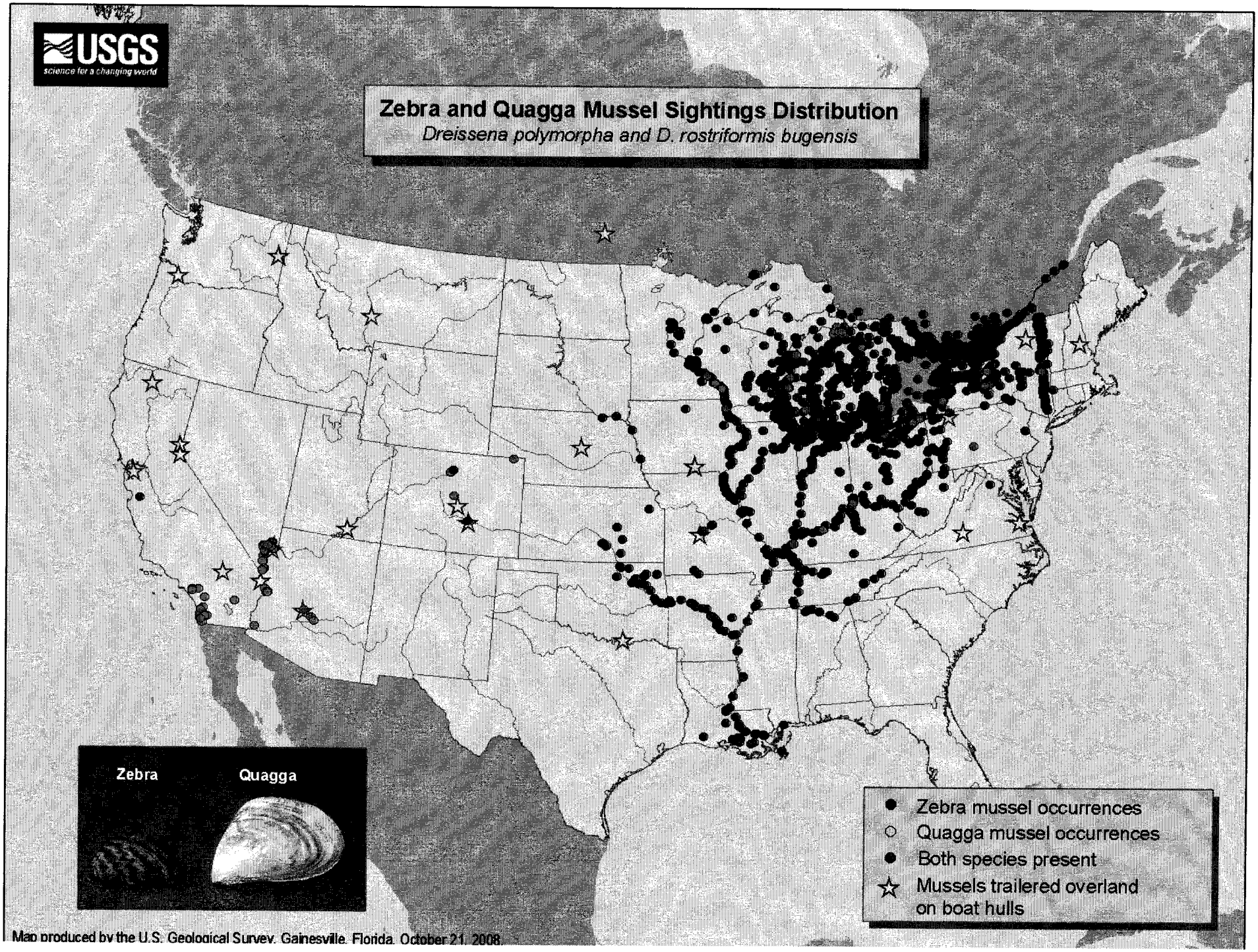
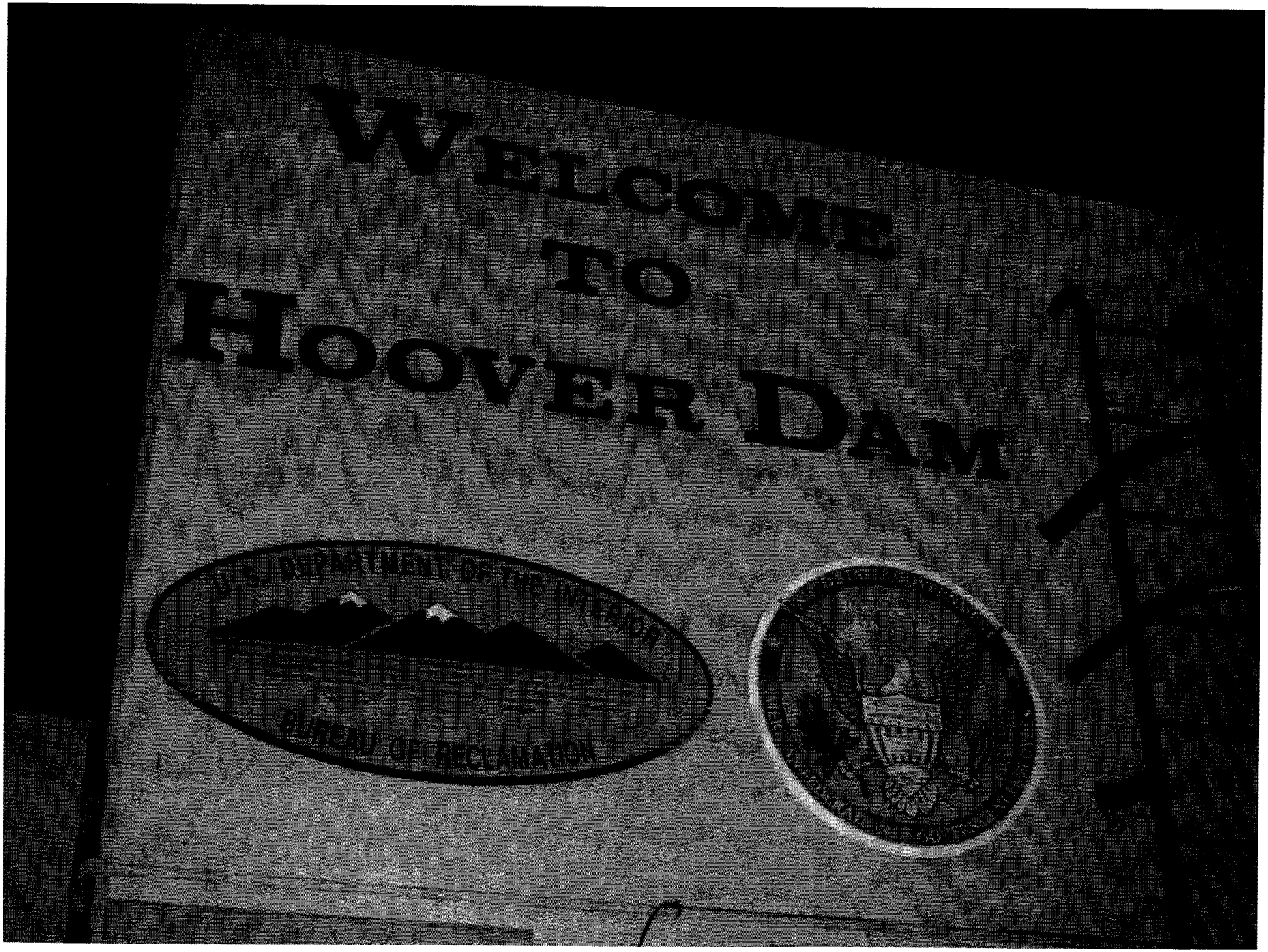

USGS
science for a changing world
Zebra and Quagga Mussel Sightings Distribution
Dreissena polymorpha and D. rostriformis bugensis
Zebra
Quagga
Zebra mussel occurrences
Quagga mussel occurrences
Both species present
Mussels trailered overland on boat hulls
Map produced by the U.S. Geological Survey, Gainesville, Florida, October 21, 2008.

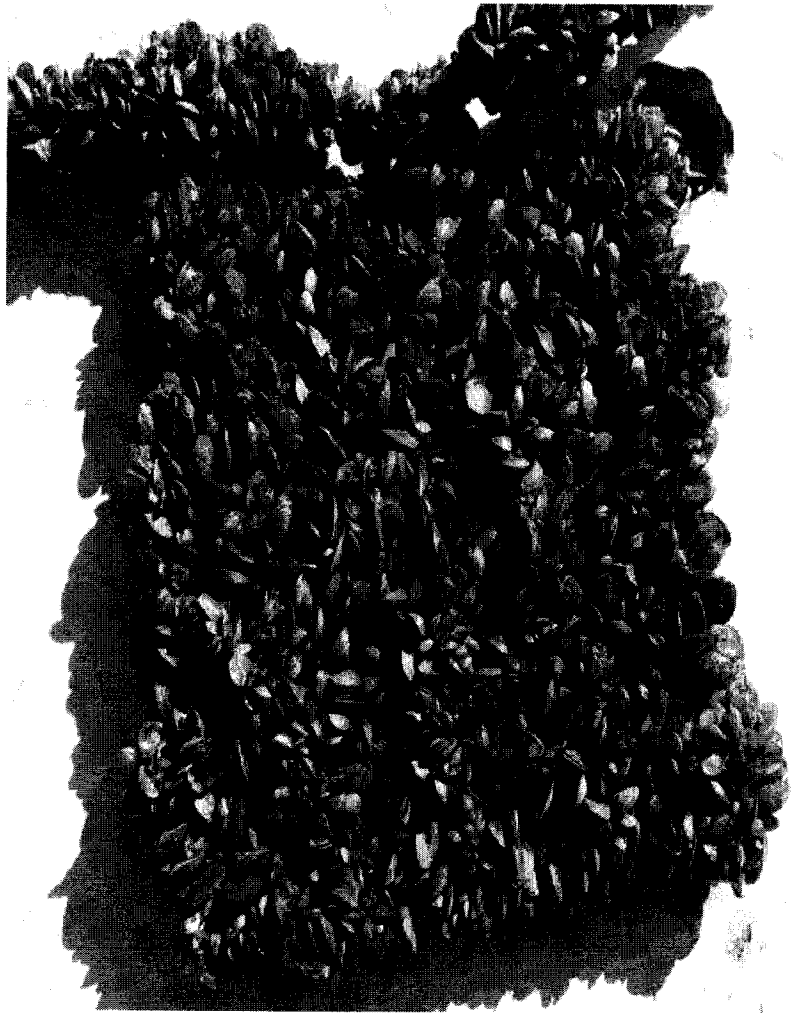
Sources: California Department of Fish and Game; Arizona Department of Game and Fish

Brian Snyder / Star staff

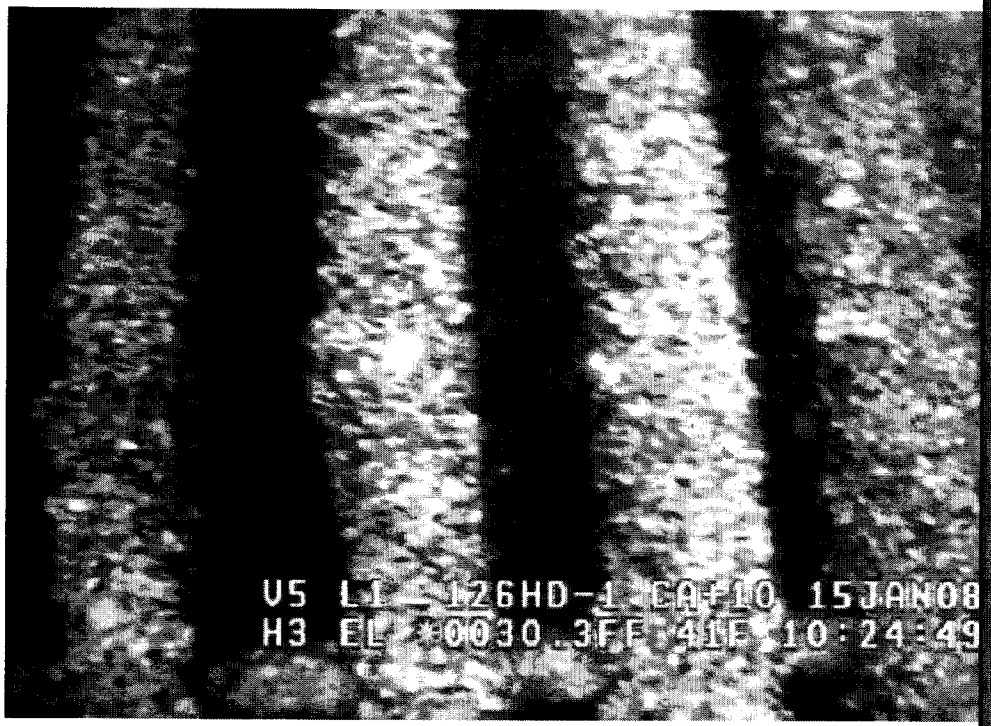

WELCOME
TO
HOOVER DAM
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

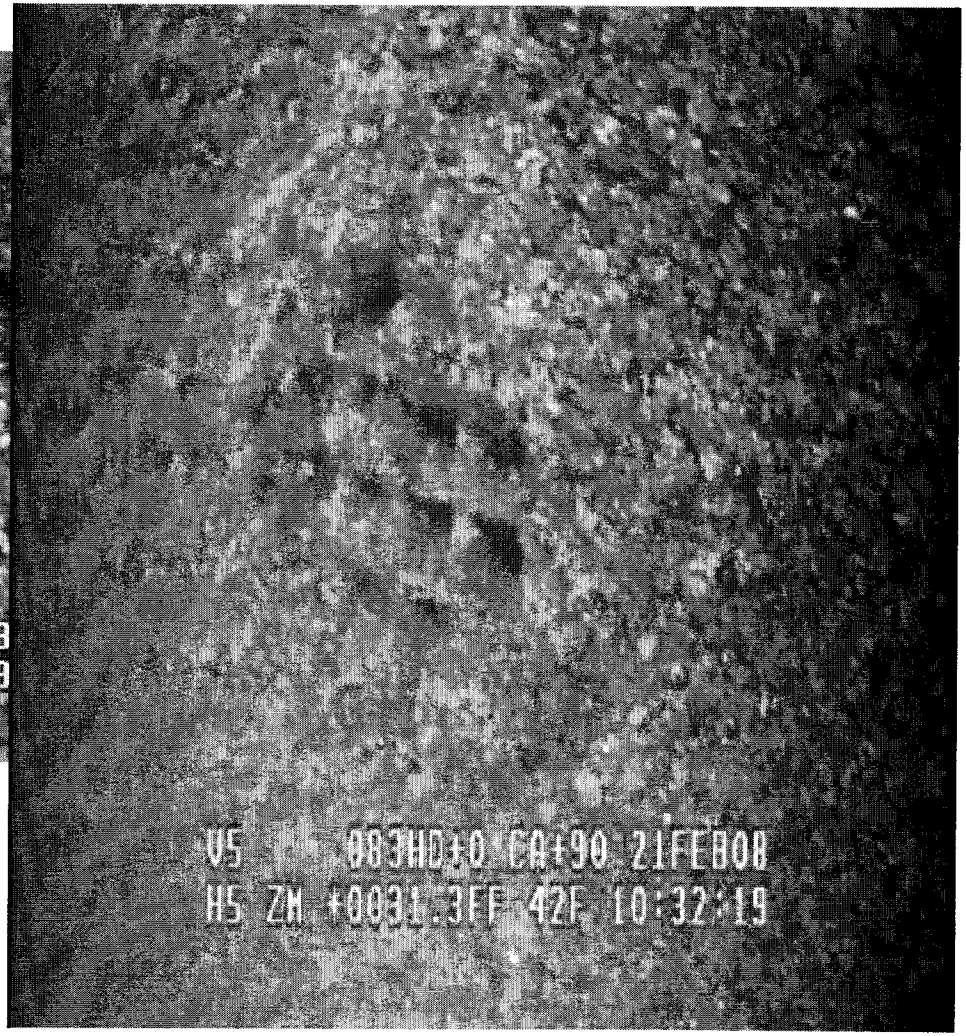
Parker Dam

Plates were in the water for 6 weeks

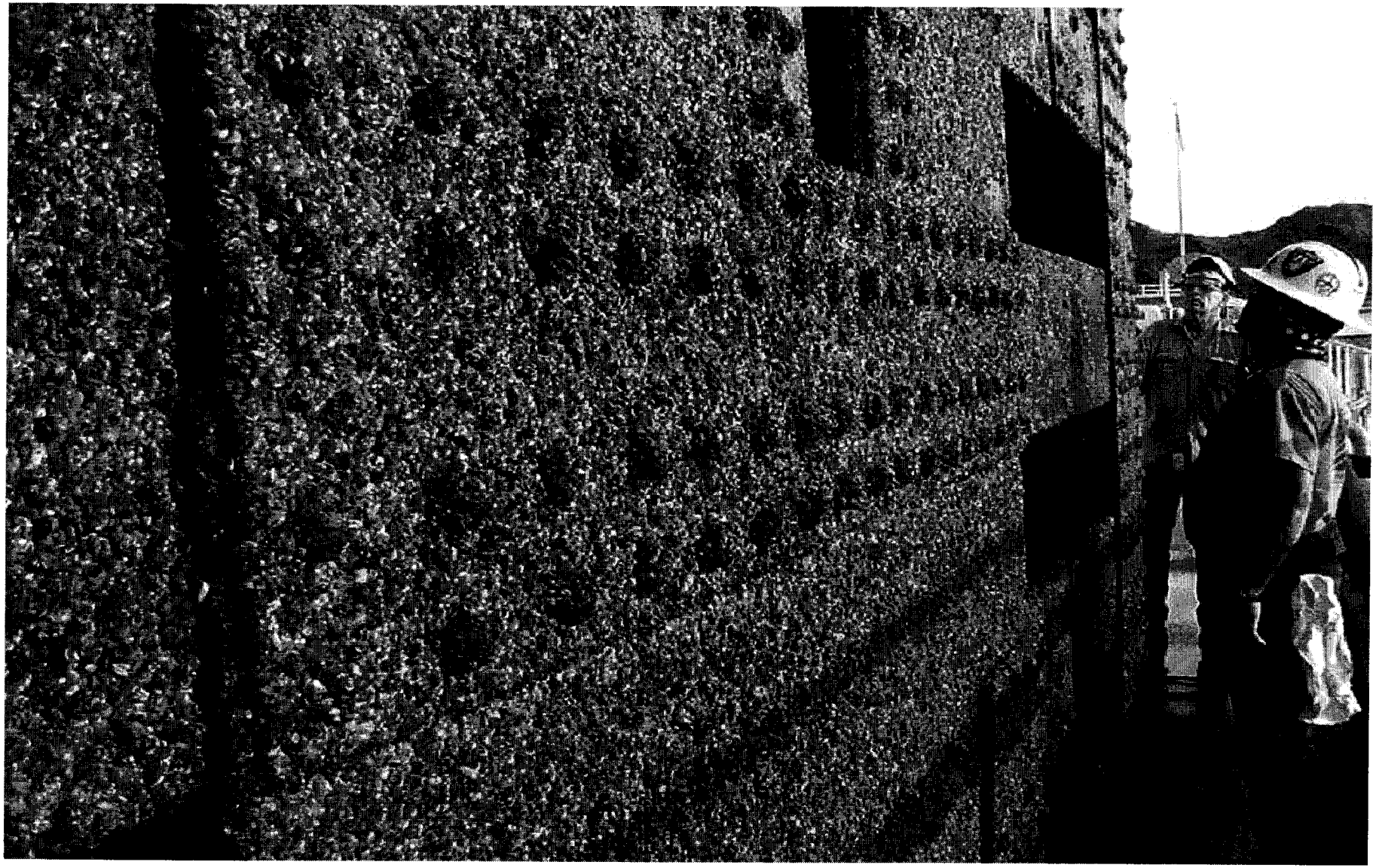


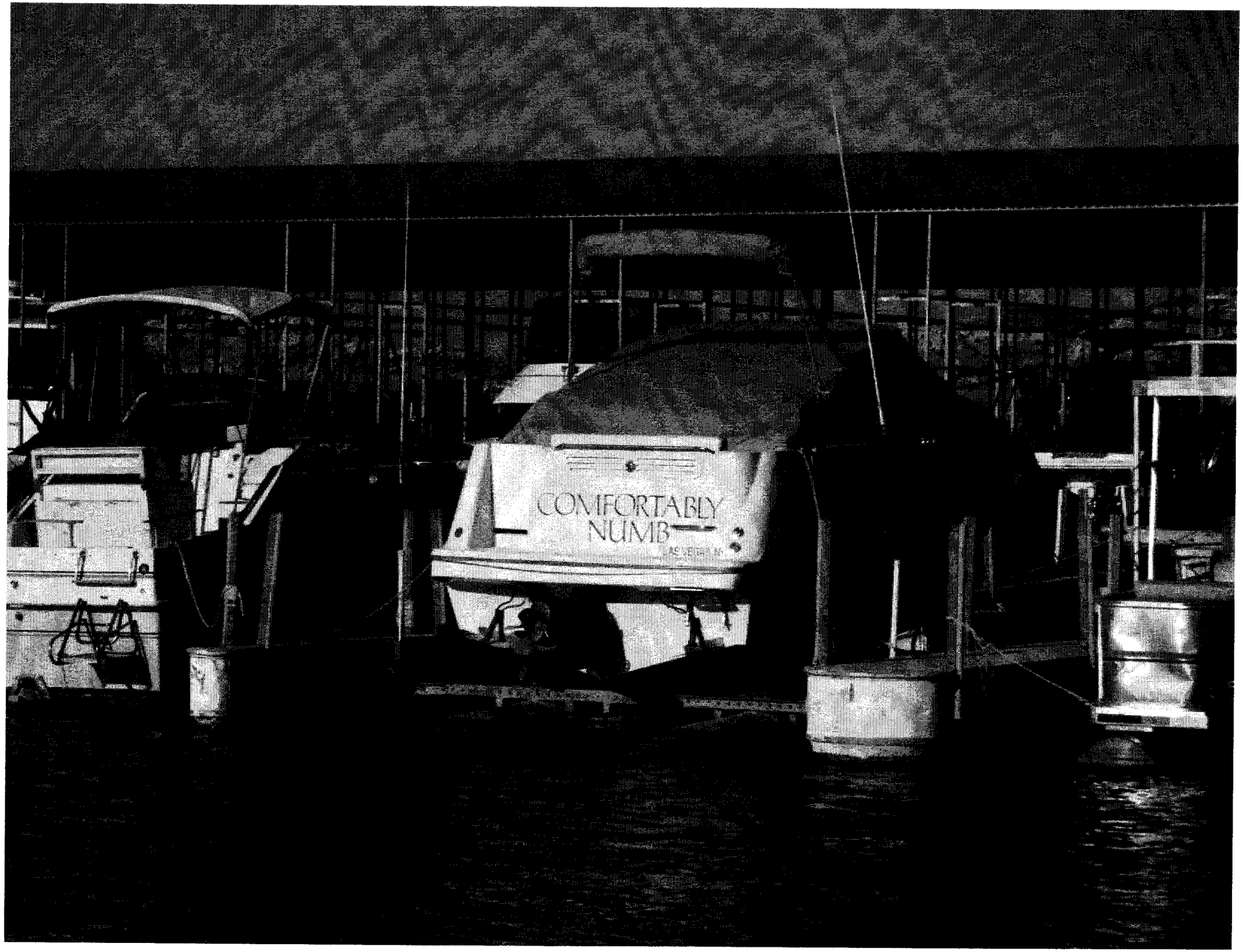
Parker Dam – February 2008



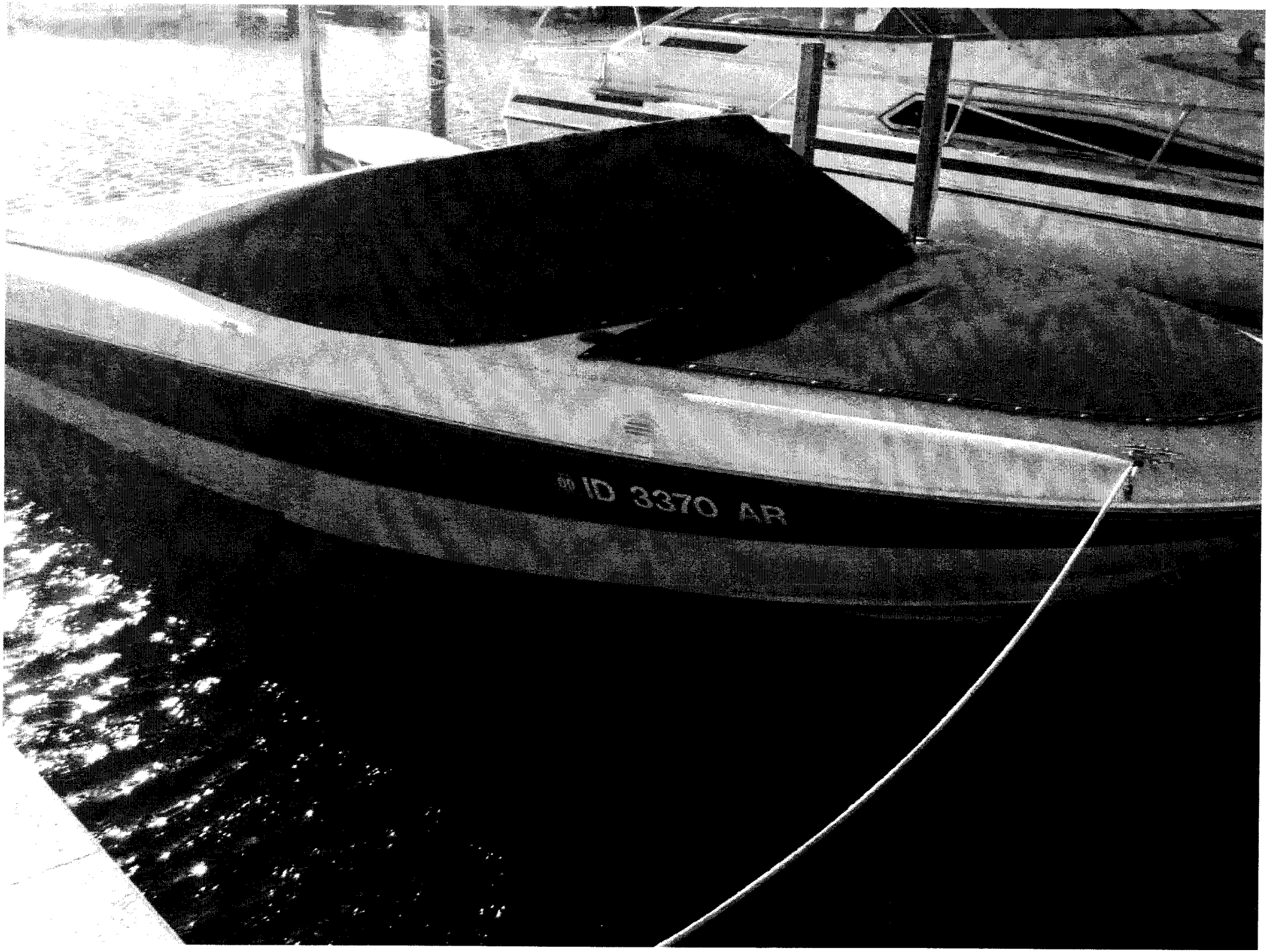


Parker Dam




COMFORTABLY
NUMB

Hello
18294 S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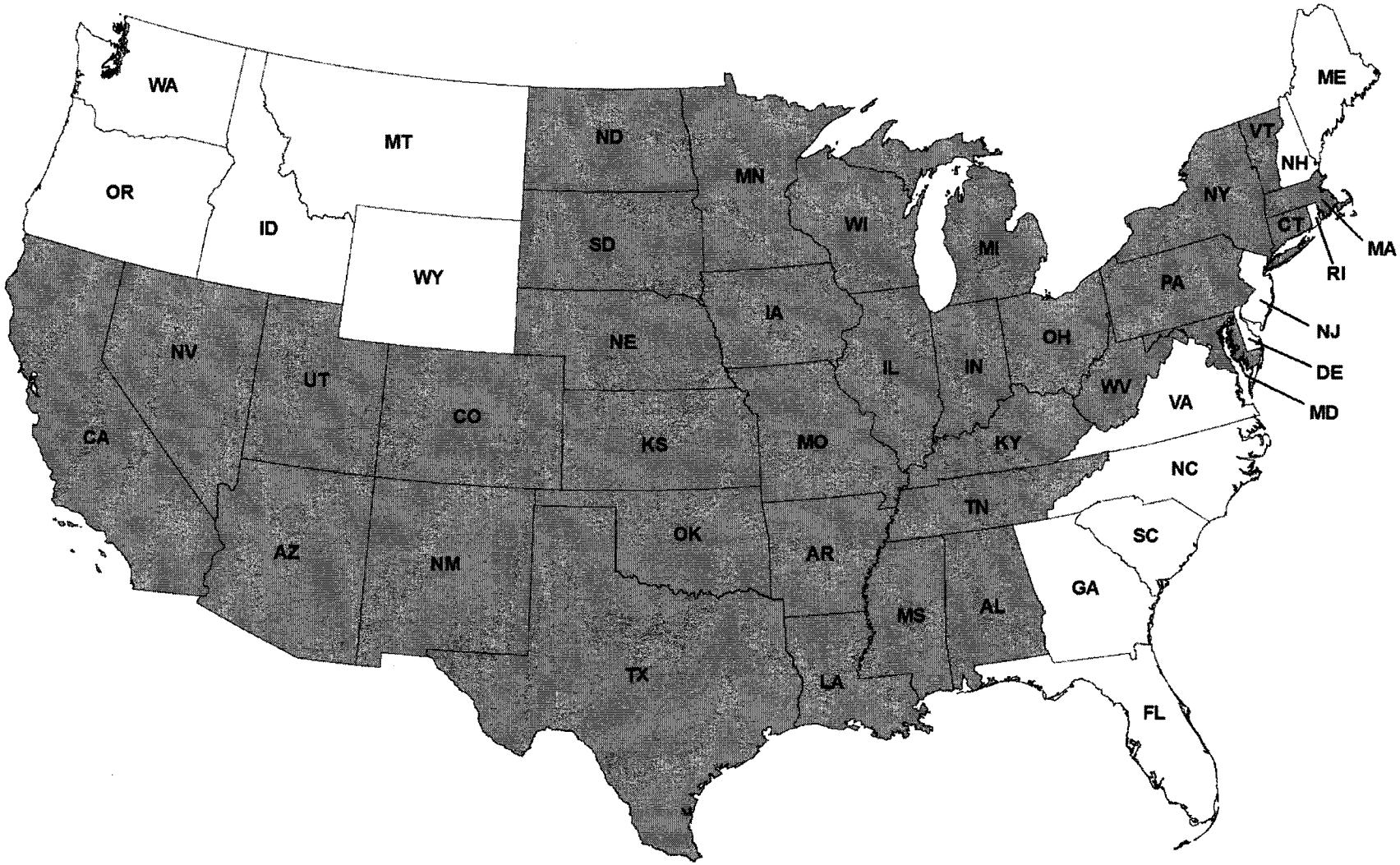
States Infested With Quagga/Zebra Mussels



STATE OF CALIFORNIA
DEPARTMENT OF FOOD AND AGRICULTURE

Idaho- Quick Review

- Idaho Legislature enacted the Idaho Invasive Species Law in 2008.
- It was in direct response to quagga mussels being discovered in the West (2007)
- Gives the Idaho State Department of Agriculture authorities for inspection, decontamination, quarantine.

Idaho- Quick Review

- In 2009, the Idaho Legislature enacted the Idaho Invasive Species Sticker.
- Boater User Fee.
- Dedicated Fund Administered by Agriculture.
- Fees:
  - $10 for Idahoans
  - $22 for non-residents
  - $7 for non-motorized.
- Budget is approximately $850K/annually

Invasive Species Program
2 Laws

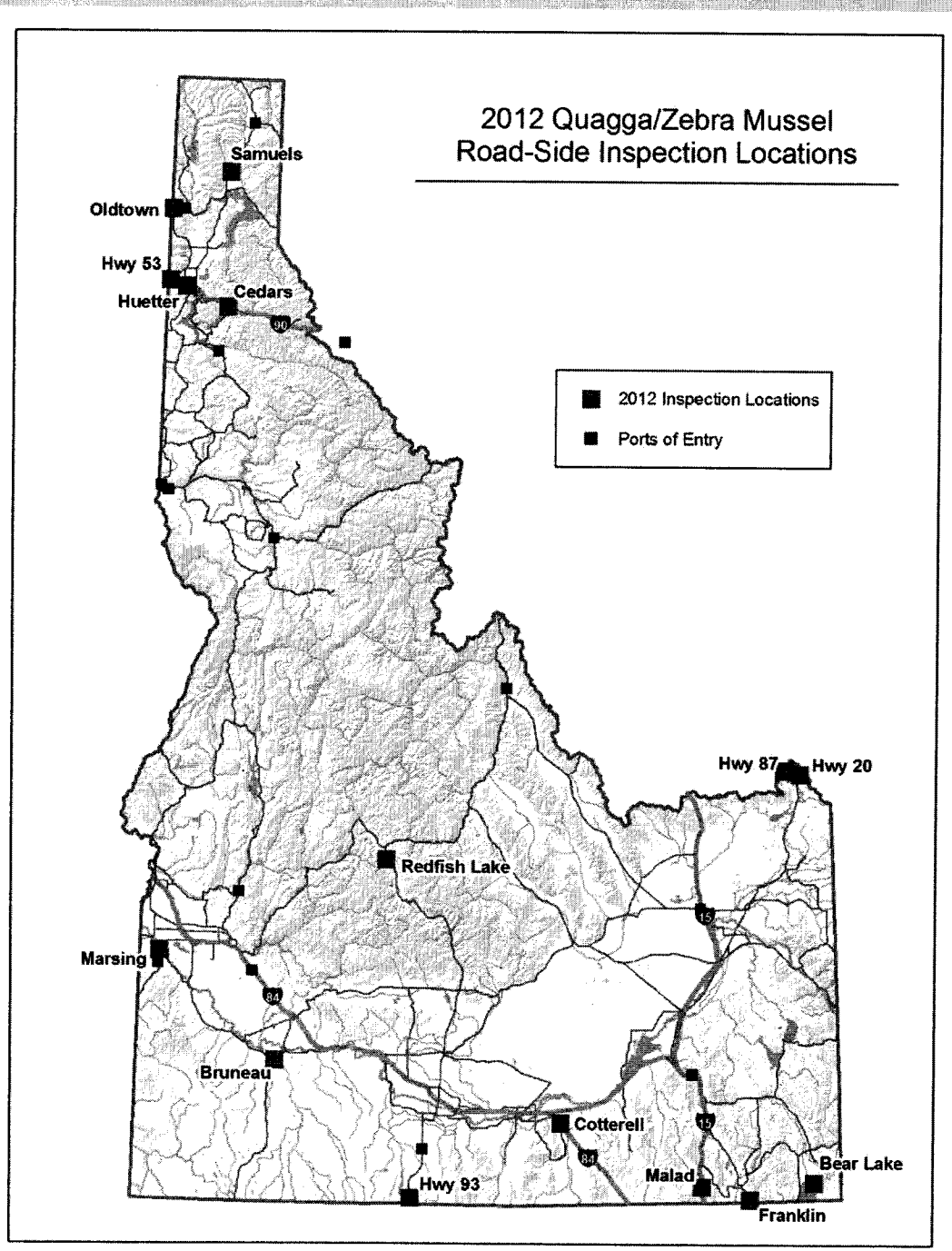
- Idaho Invasive Species Law of 2008
  - Authorities
- "Sticker" Legislation – 2009
  - Funding Source

What is Idaho doing with the Funding?

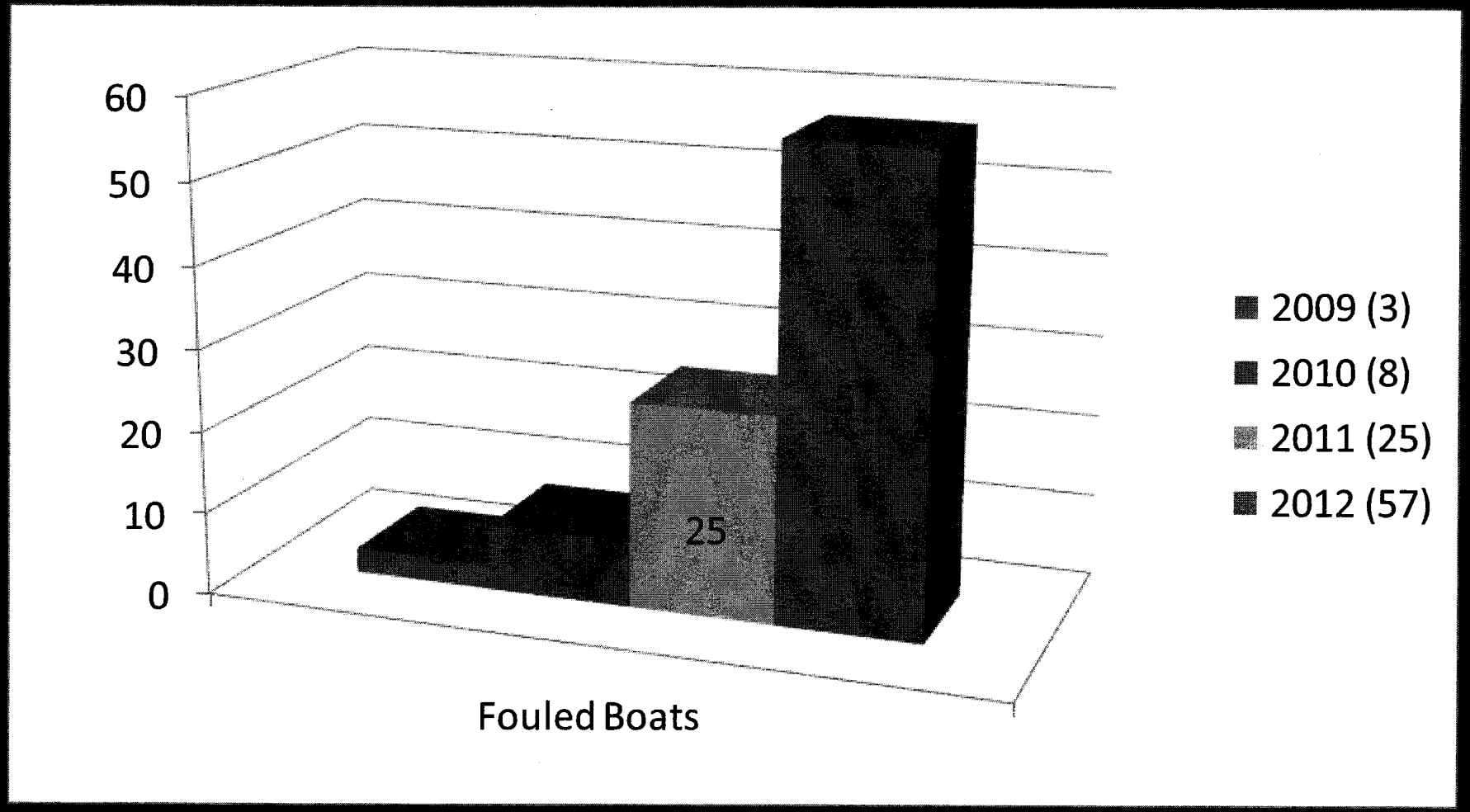
Idaho's Program is Operational and Prevention-based

- 15 Agriculture inspection stations at the state line that operate seasonally

- 11 Ports of Entry (POEs) also inspect commercially hauled watercraft year round.

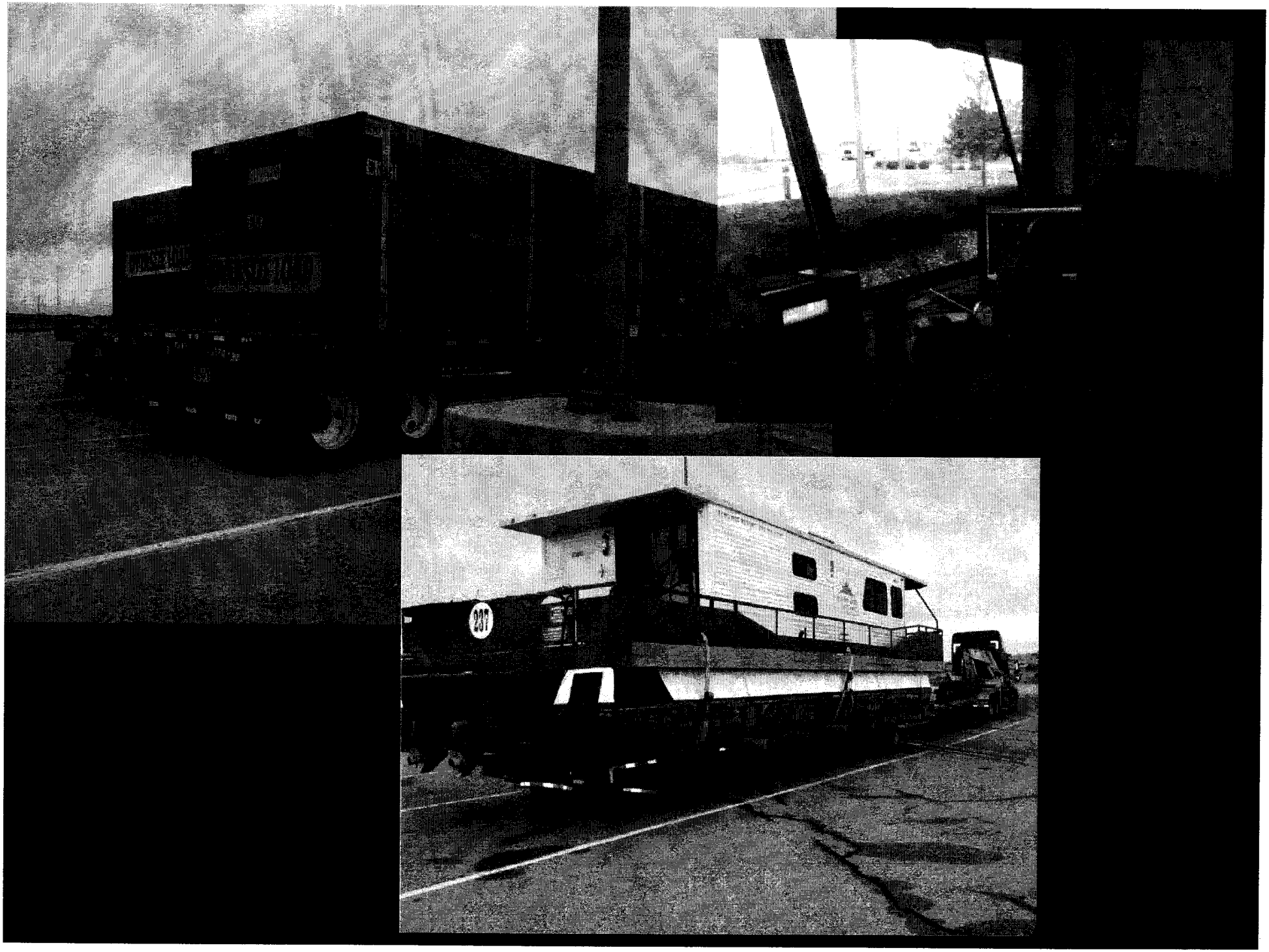


93 mussel-fouled boats intercepted to date

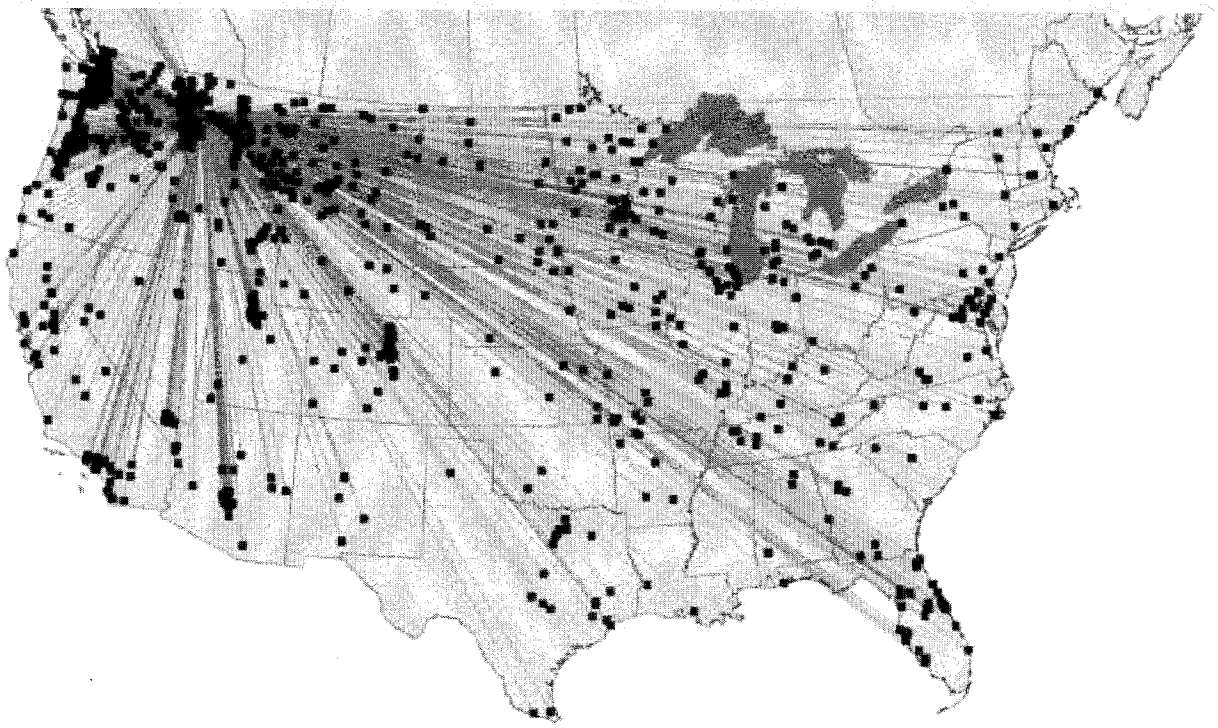


Targeting "High Risk" Boats

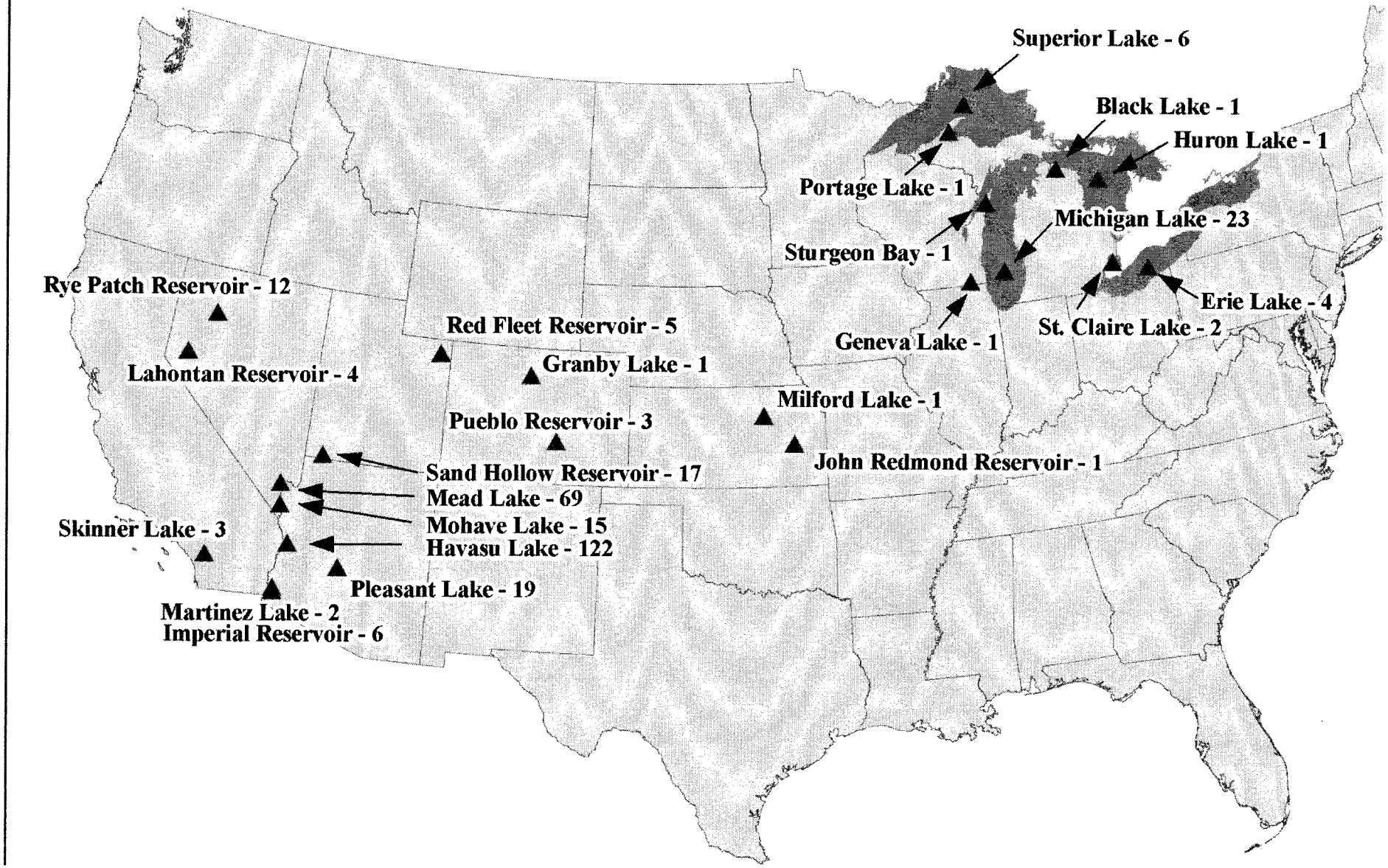
- Large Moored Boats
  - Seasonal Idaho boats (Snowbirds)
  - Boats purchased out-of-state
  - Out-of-state boats that are being relocated to Idaho



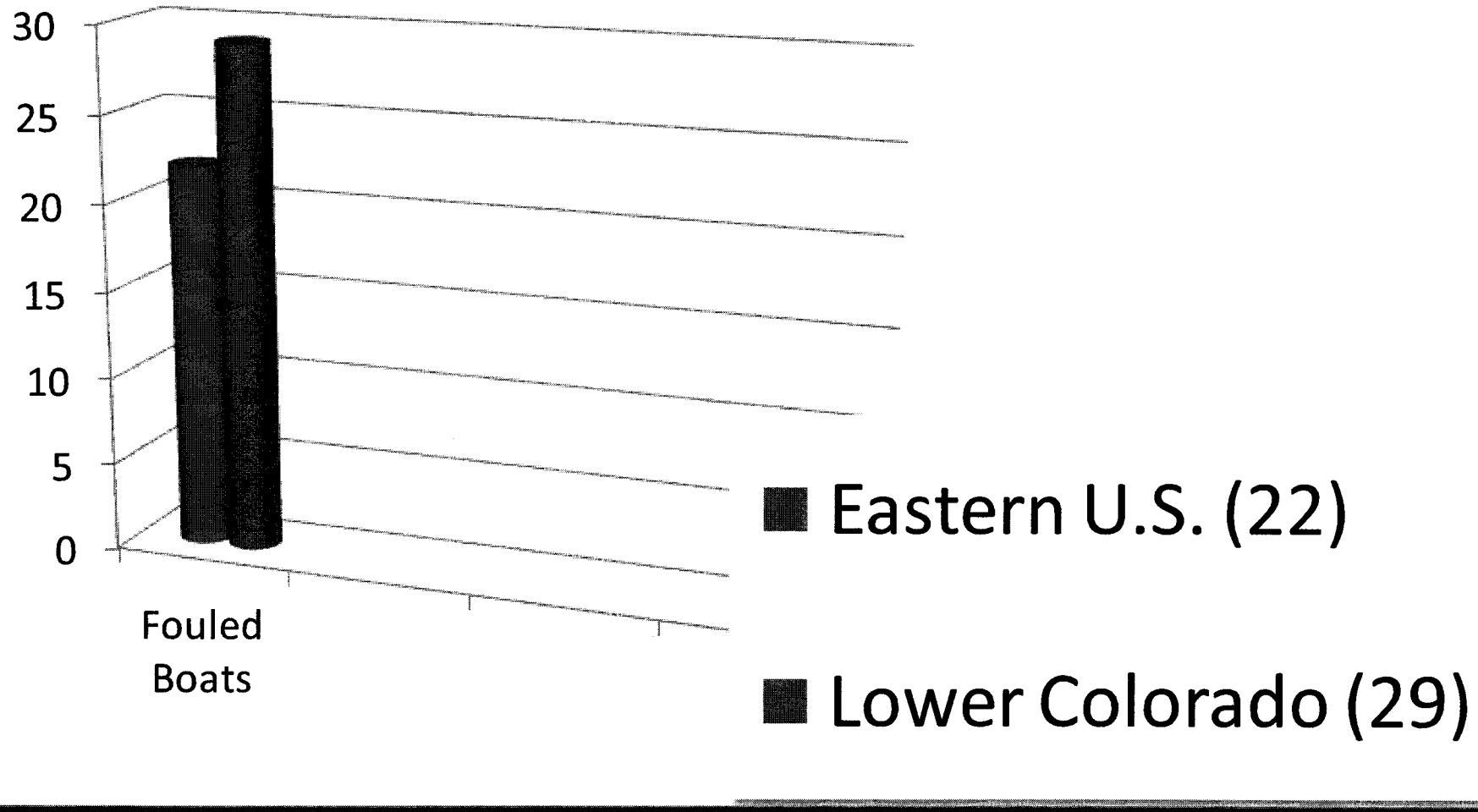
Where Did Boaters Come From?



Infested Lakes Visited by Boaters Entering Idaho
2011



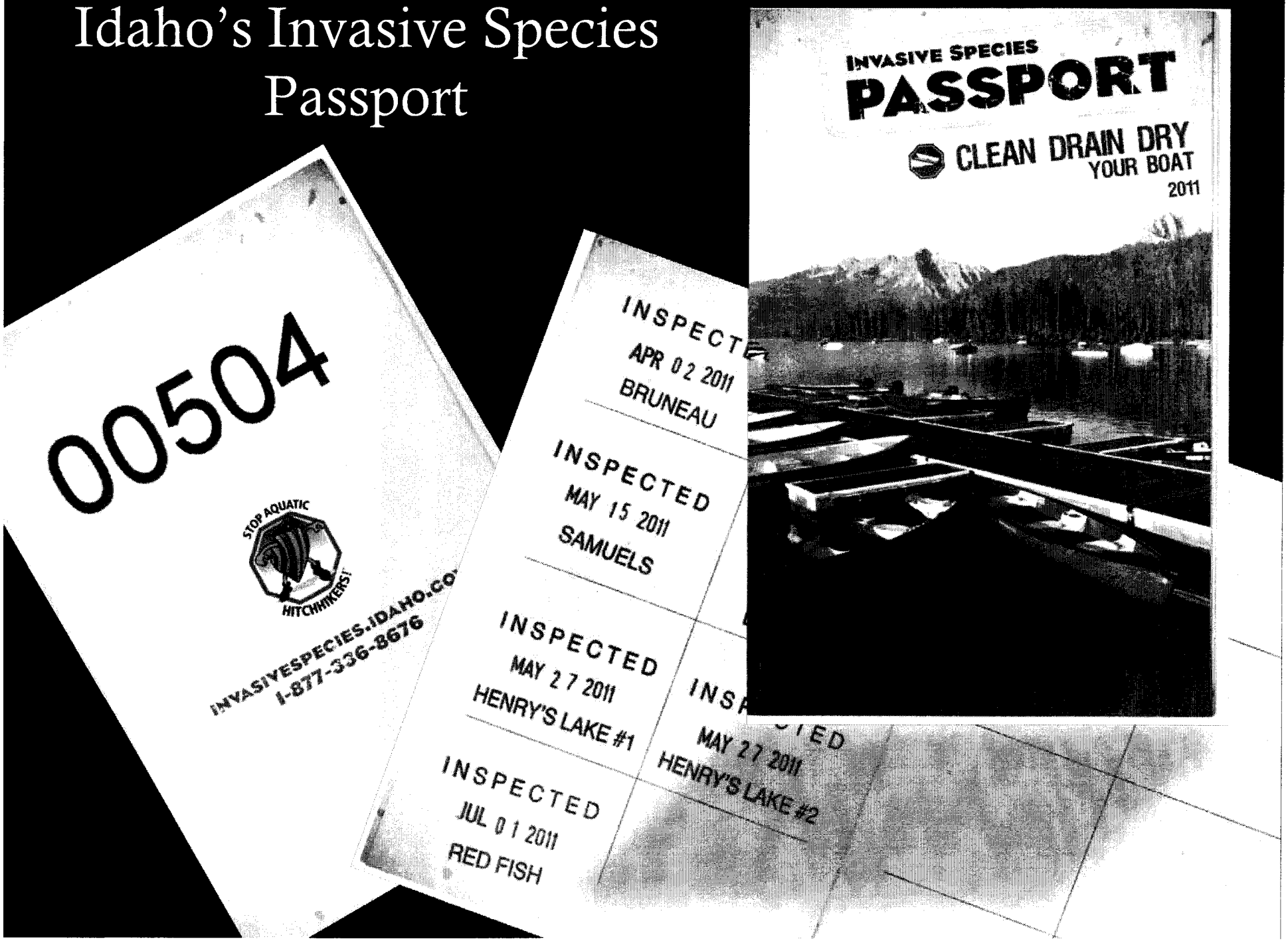
Sources of Mussel-Fouled Boats (2011-2012)

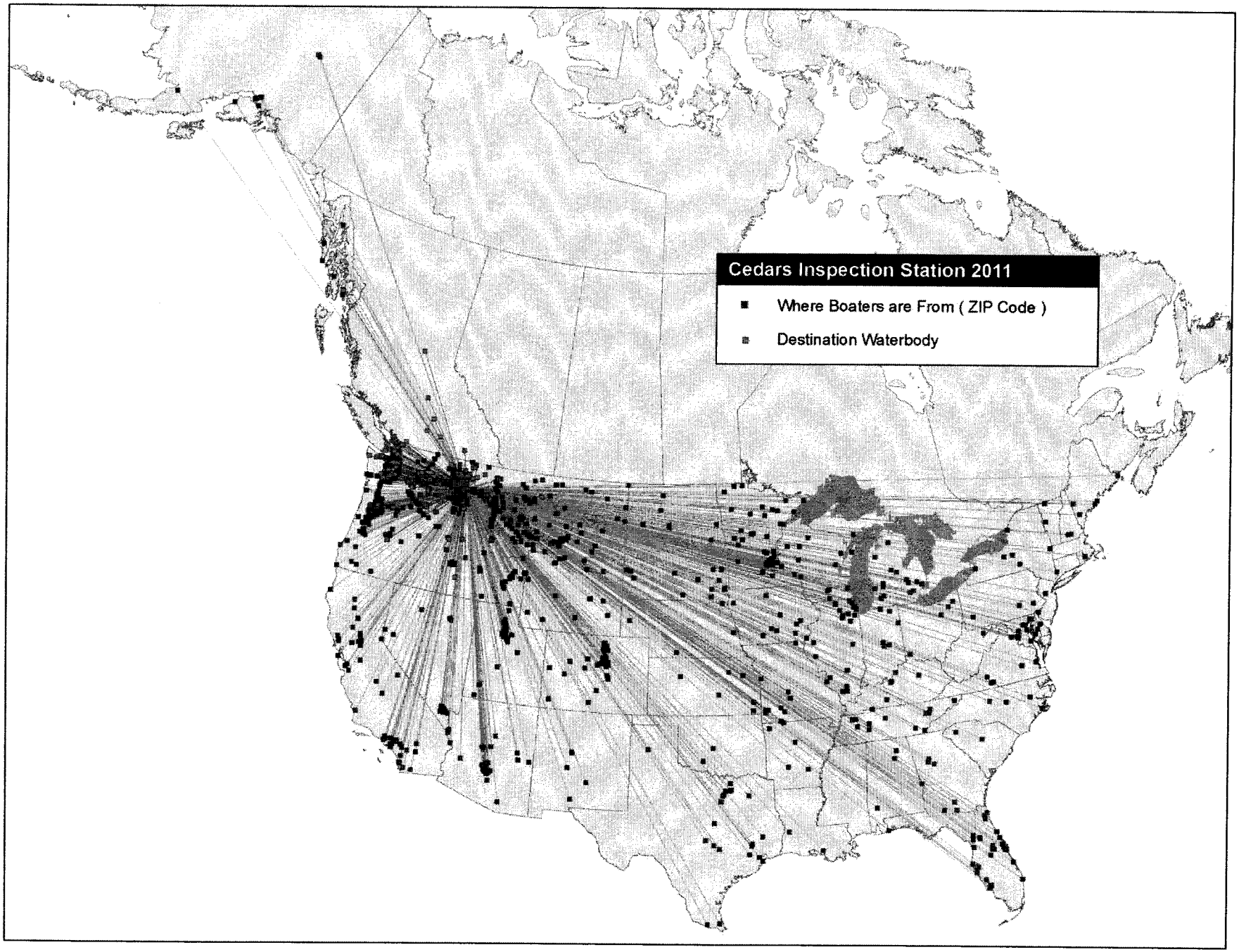


Idaho's inspection stations offer a unique opportunity for face-to-face contact.

100K "contacts" to date (2009-2012)

Idaho's Invasive Species Passport




Cedars Inspection Station 2011
Where Boaters are From (ZIP Code)
Destination Waterbody

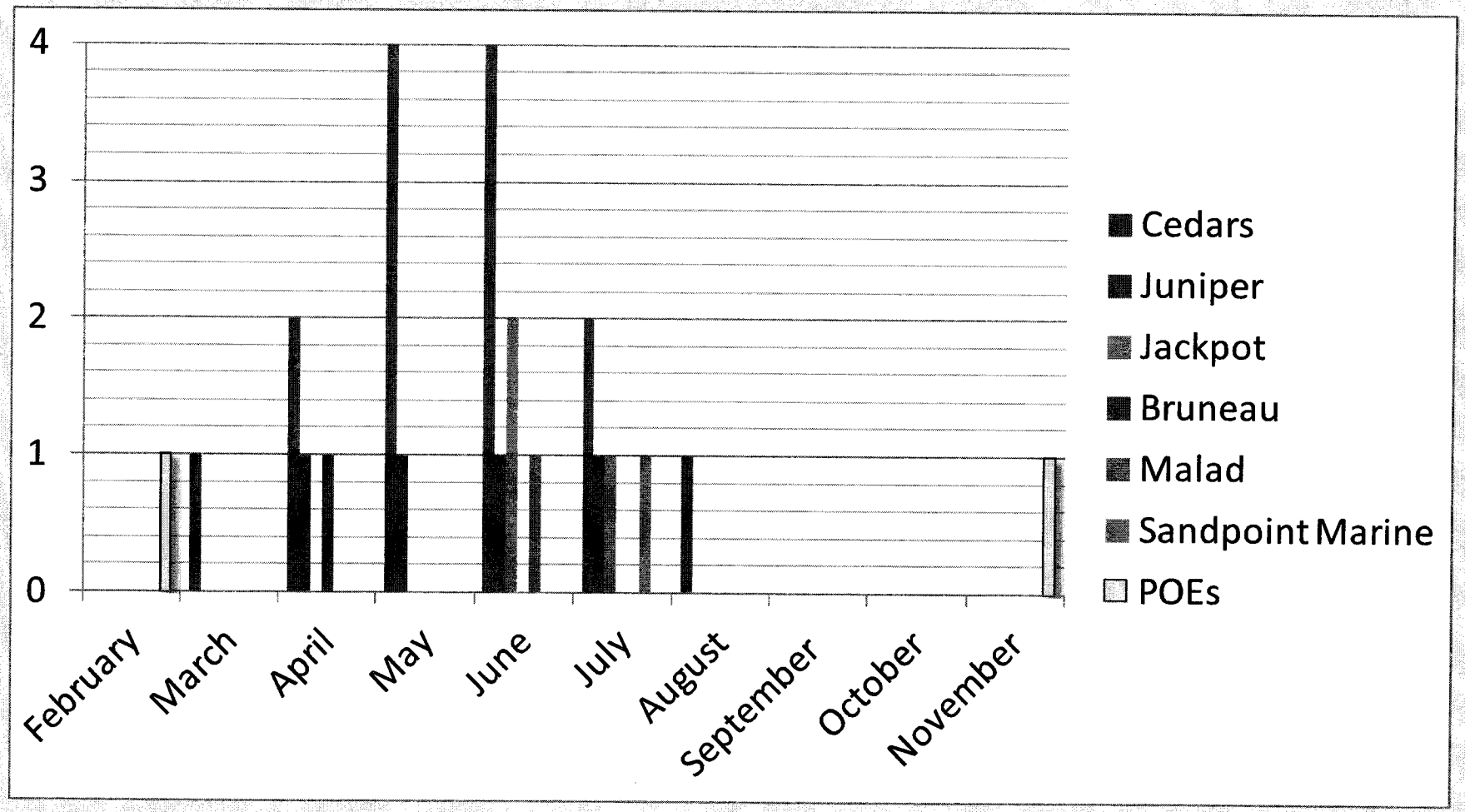
Idaho Factiods

- Total inspections statewide (in 2012): **42,362**
- Fouled boats (in 2012): **57** (that averages to a fouled boat for every 720 inspections)
- **37** of the fouled boats came from the Lower Colorado (**29** of those were from Lake Mead, that's more than 50% of the total fouled boats)
- **93** mussel fouled boats have been intercepted since the beginning of the program in 2009 (more than **120K** inspections have been done).

2012 Fouled boat destinations

- Of the **57** boats that have been intercepted in 2012 to date:
- 33 were destined for WA
- **13 were destined for ID**
- 4 were destined for BC, Canada
- 3 were destined for Alberta, Canada
- 2 were destined for Oregon
- 1 was destined for WY
- 1 was destined for MT

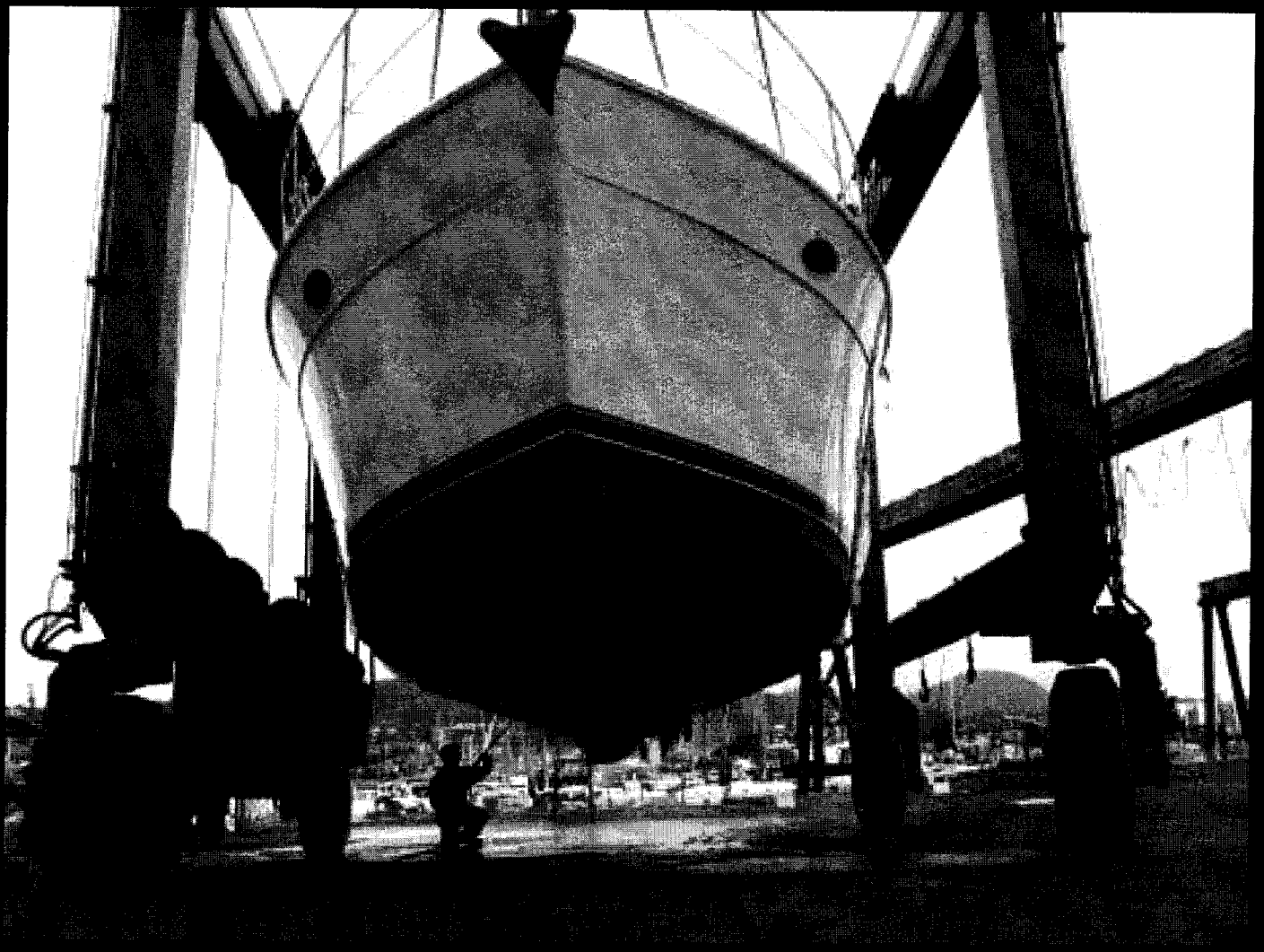
Seasonal Timing: 2011 Interceptions



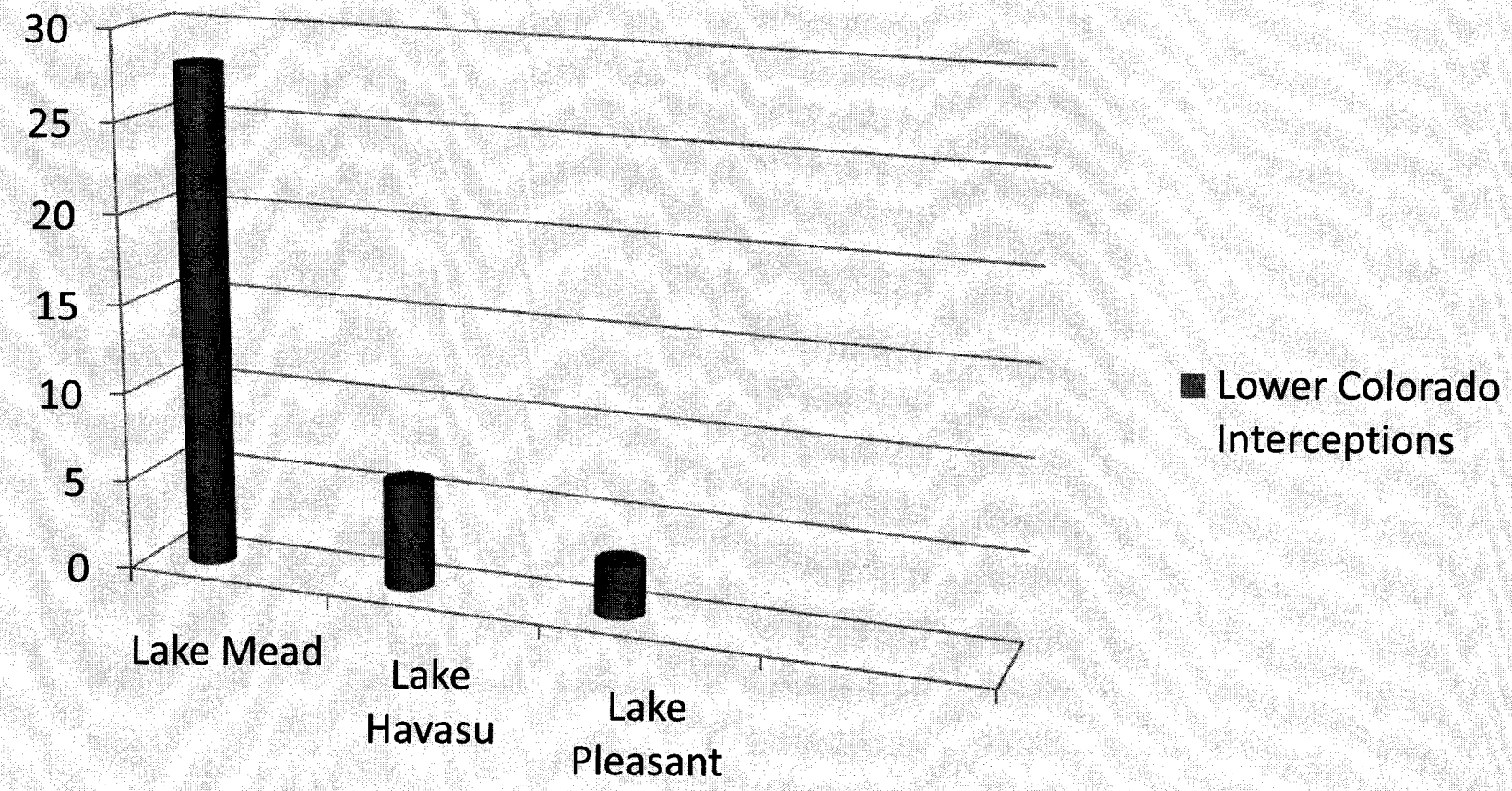
Key Changes - 2012

- Open earlier
- Targeting Commercially hauled boats
  - Seasonal Idaho boats
  - Boats purchased out-of-state
  - Moored Boats

Decontamination at the Destination – Does this make sense?



2012 Lower Colorado Interceptions



Thank You

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