

NEBRASKA'S AQUATIC NUISANCE SPECIES BOATER SURVEY RESULTS

ALLISON ZACH

COORDINATOR, NEBRASKA INVASIVE SPECIES PROGRAM
UNIVERSITY OF NEBRASKA-LINCOLN
506 HARDIN HALL
LINCOLN, NE 68583

PHONE: (402) 472-3133

EMAIL: AZACH3@UNL.EDU



AQUATIC INVASIVE SPECIES IMPACTS

\$11 BILLION/YEAR FOR FISH AND MOLLUSK
MANAGEMENT

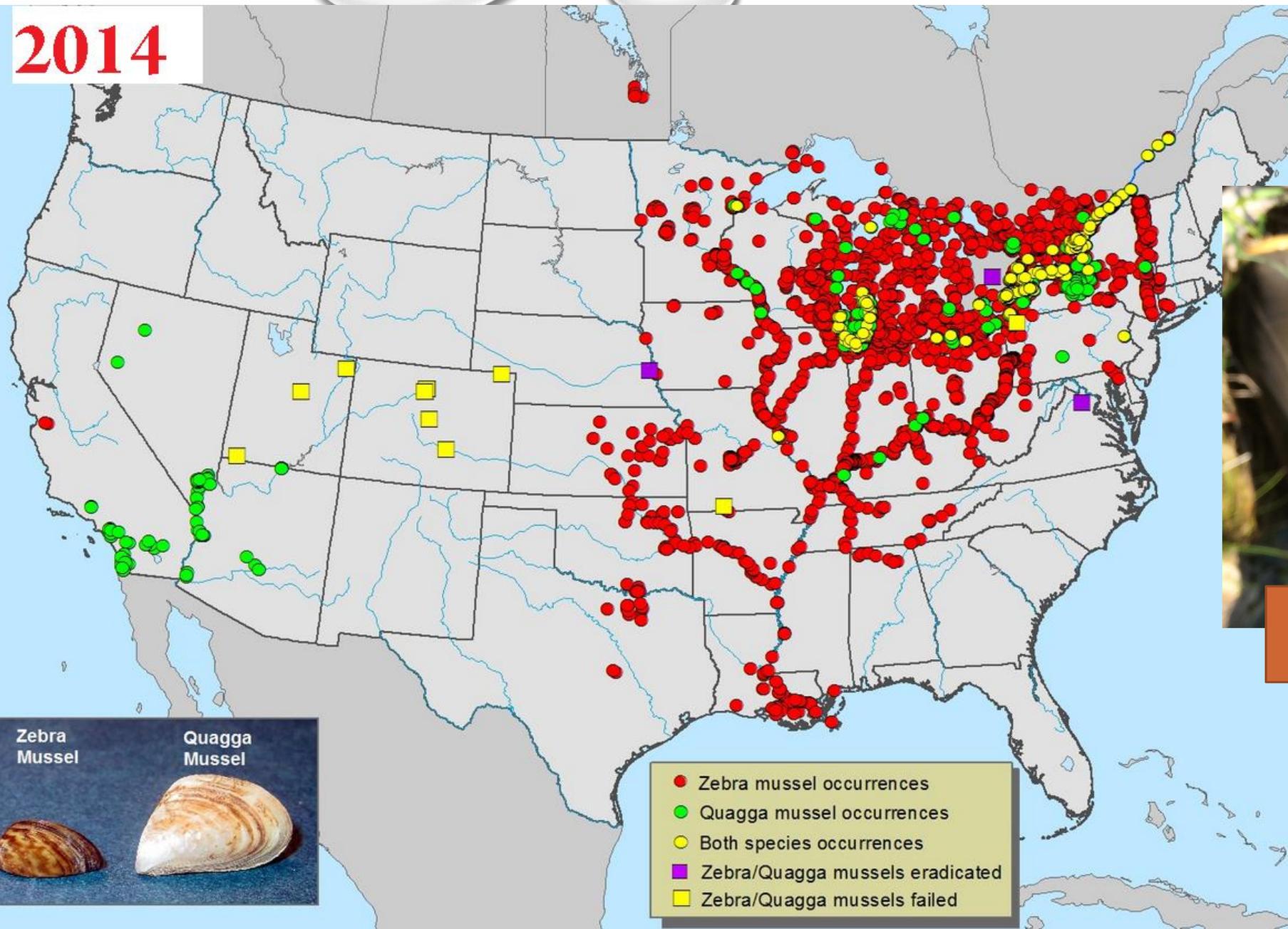
STUDIES ESTIMATED PROPERTY VALUES ON INFESTED
WATER BODIES WERE REDUCED BY 15%

ZEBRA & QUAGGA MUSSELS AFFECT FISH POPULATIONS
AND CLOG PIPES



ZEBRA/QUAGGA MUSSEL INVASIVES

2014



Offutt AFB Lake
July 2014



NEBRASKA'S ANS OUTREACH

- **SURVEY STATIONS & BOAT INSPECTIONS AT HIGH RISK WATERBODIES**
- **ATTENDANCE AT FISHING TOURNAMENTS, OUTREACH EVENTS AND EXPOS**
- **VELIGER SAMPLING THROUGHOUT THE STATE**
- **OUTREACH TO BAIT SHOPS & BOAT DEALERS**



NEBRASKA BOATER SURVEYS 2011-2014

- GAGE PUBLIC KNOWLEDGE OF AQUATIC INVASIVE SPECIES (AIS)
- DETERMINE HOW PEOPLE LEARN ABOUT AIS
- DETERMINE IF THE PUBLIC EMPLOY BOAT INSPECTION AND DECONTAMINATION PROCEDURES TO PREVENT THE SPREAD OF AIS
- EXAMINE INTER AND INTRA STATE MOVEMENTS OF BOATS TO IDENTIFY AIS INTRODUCTION PATHWAYS

TOTAL SURVEYS COMPLETED

Year	Completed Surveys	Waterbodies Surveyed	Technicians
2011	3,116	18	7
2012	1,346	14	6
2013	2,351	20	7
2014	1,912	17	6

TABLET DATA ENTRY



Nebraska Aquatic Invasive Species Boater Survey 2014



Name of Person conducting the survey

- Baillie Luff JoLeisa Cramer Marcy Guinane
 Cody Dreier Tanner Doescher Sabrina Stewart
 Colt Livingston Allison Zach Other
 Garrett Hanquist Nick Hohman

Are you conducting a live survey or entering a previously taken survey?

- This is a live survey I am entering data from a paper survey

What waterbody is this interview taking place at?

- McConaughy Branched Oak Wehrspann Sherman Other
 Harlan Pawnee Johnson Elwood

What type of boat is the interviewee using today?

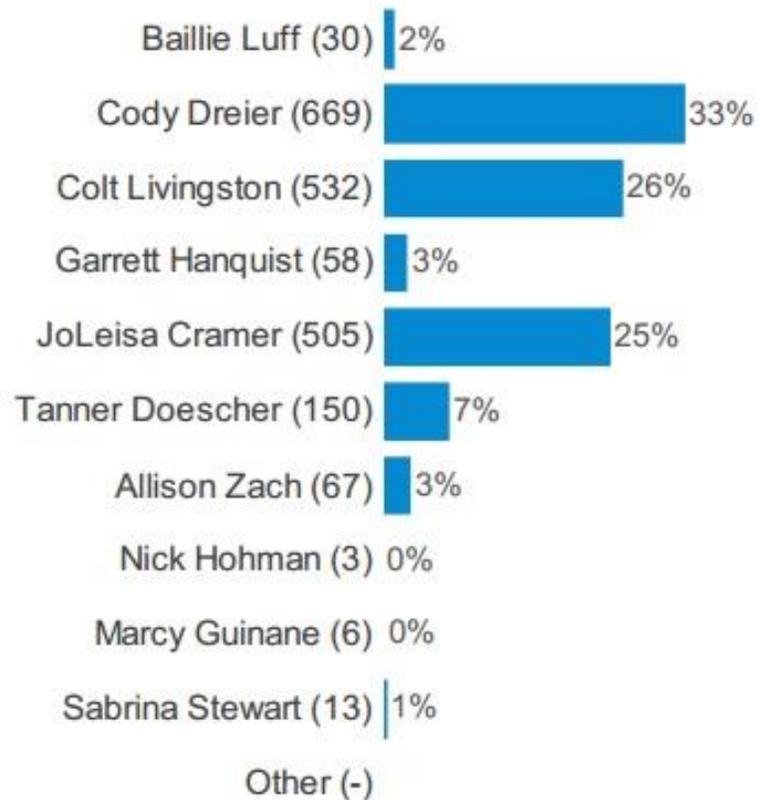
- Pleasure Pontoon Canoe or Kayak Other
 Angling Jet ski or Personal Water Craft Houseboat

SNAP SURVEYS SOFTWARE BENEFITS

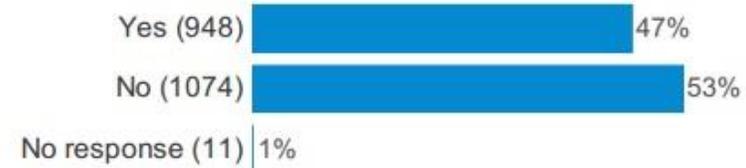
- REAL TIME RESULTS
- QUERY RESULTS
- SHARE DATA WITH OTHER PARTNERS
- CAN CHANGE SURVEY AND IT KEEPS THE DATA ORGANIZED
- CAN USE PAPER AND ELECTRONIC SURVEYS

Built In Summaries

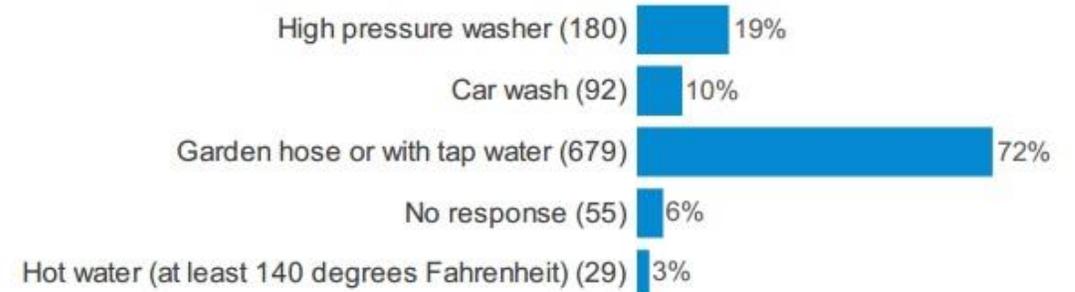
Name of Person conducting the survey



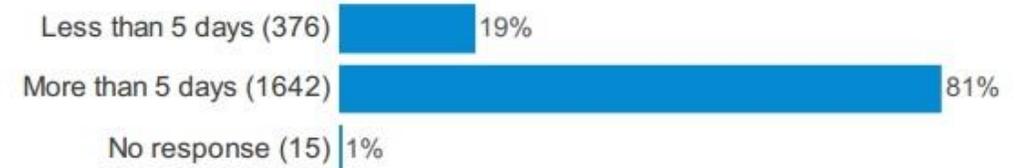
Do you normally rinse your boat before launching it into a water body?



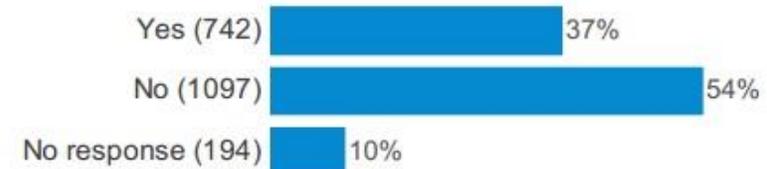
How do you normally rinse your boat? Check all that apply



On AVERAGE how many days is this boat out of water before it is launched into a water body?



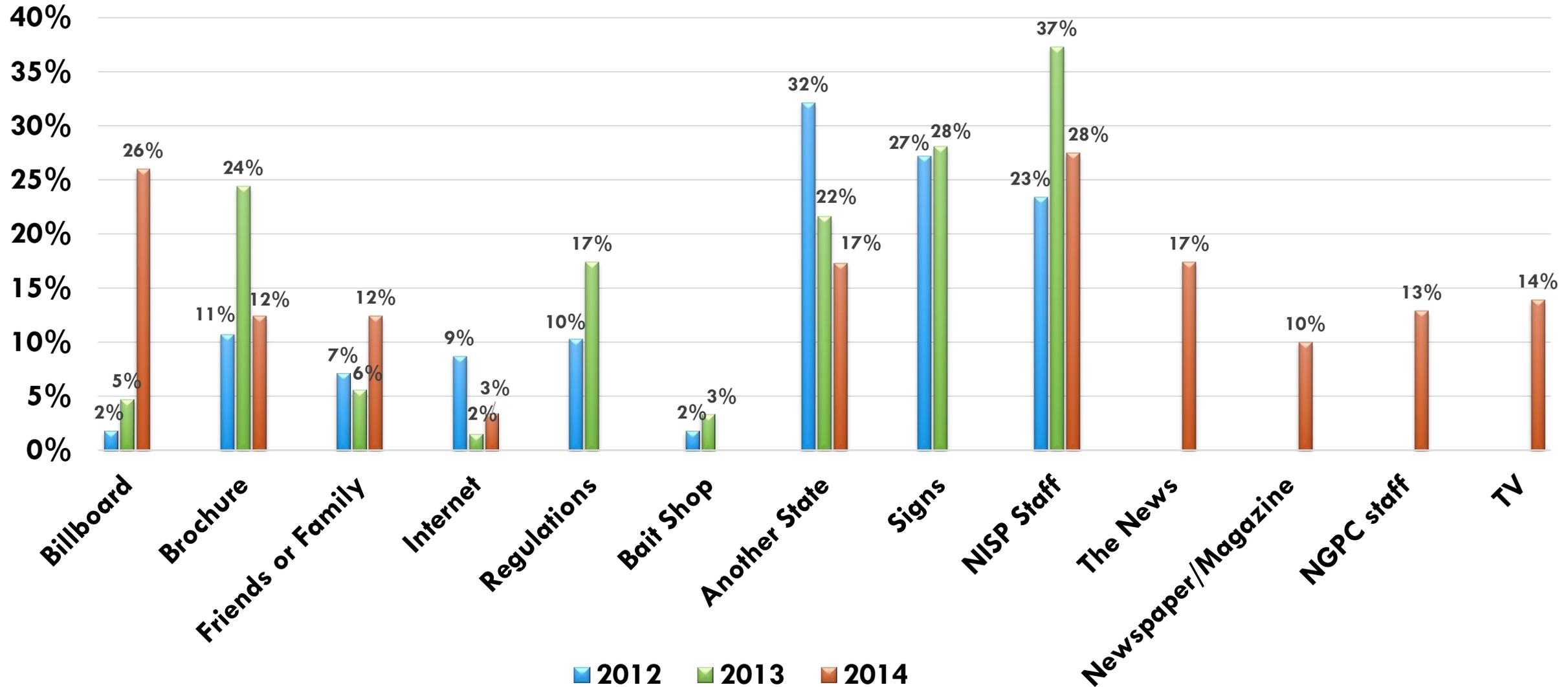
Are you or did you use live bait today?



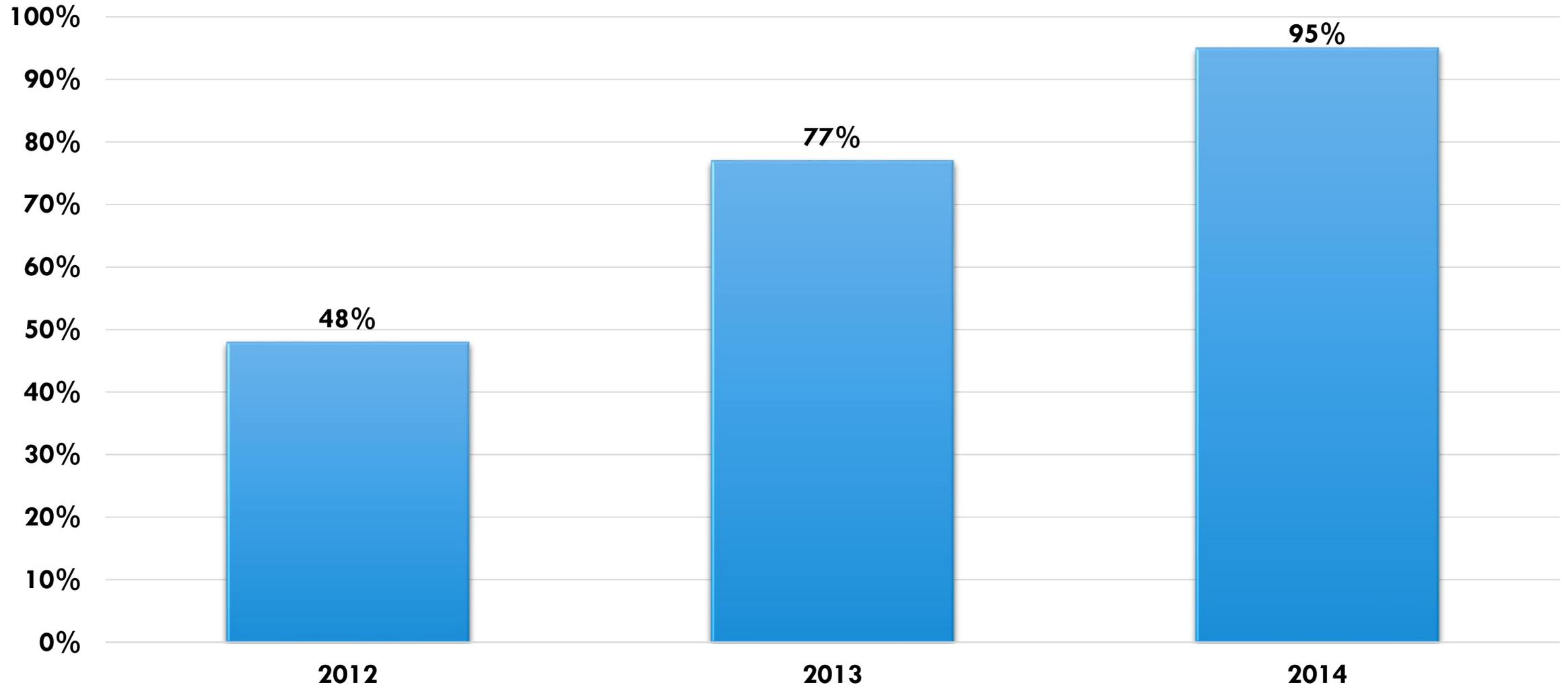
2012-2014 BOATER SURVEY RESULTS



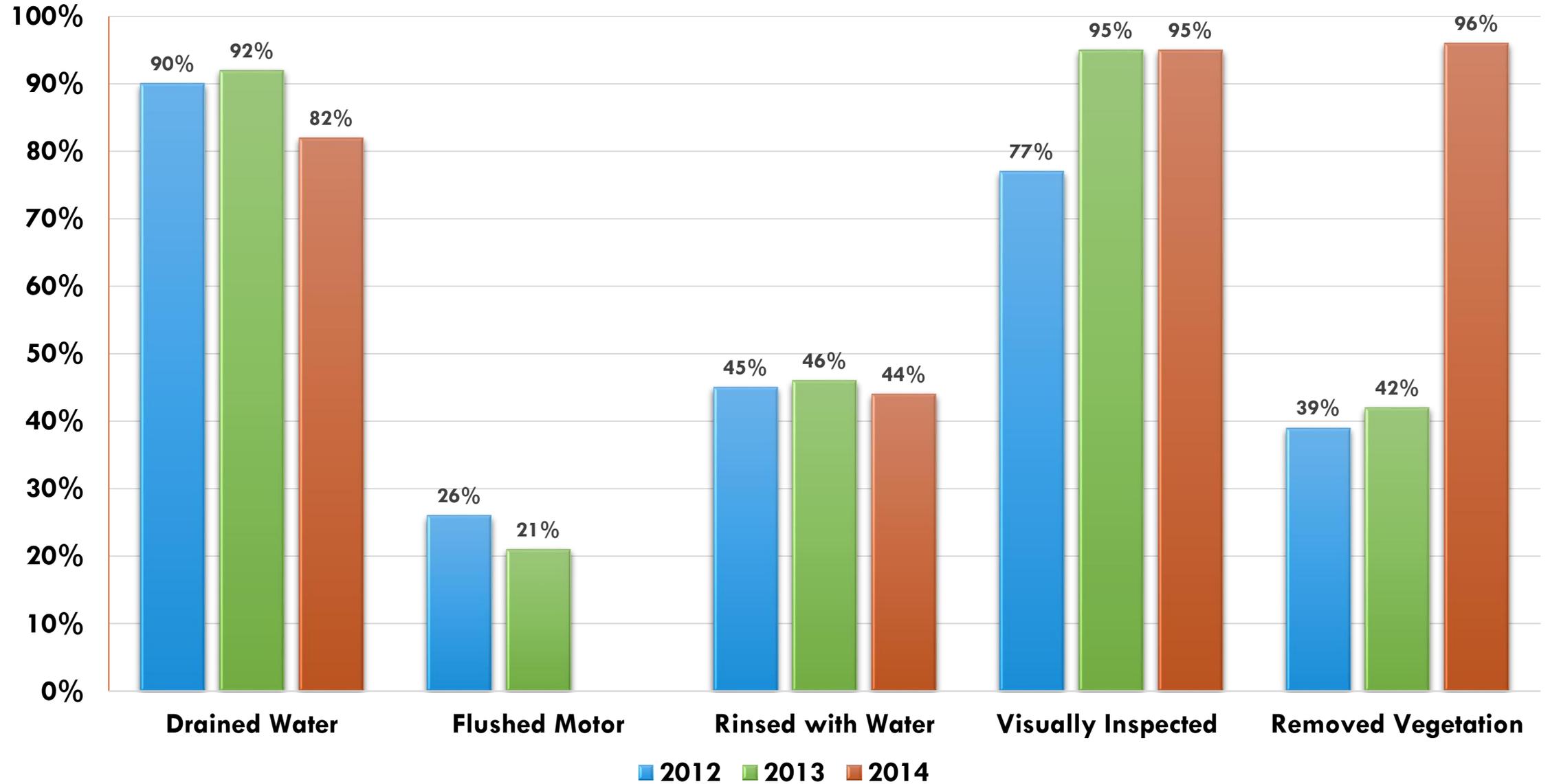
How Boaters Learned About Zebra/Quagga Mussels



BOATERS WHO INSPECT THEIR WATERCRAFT

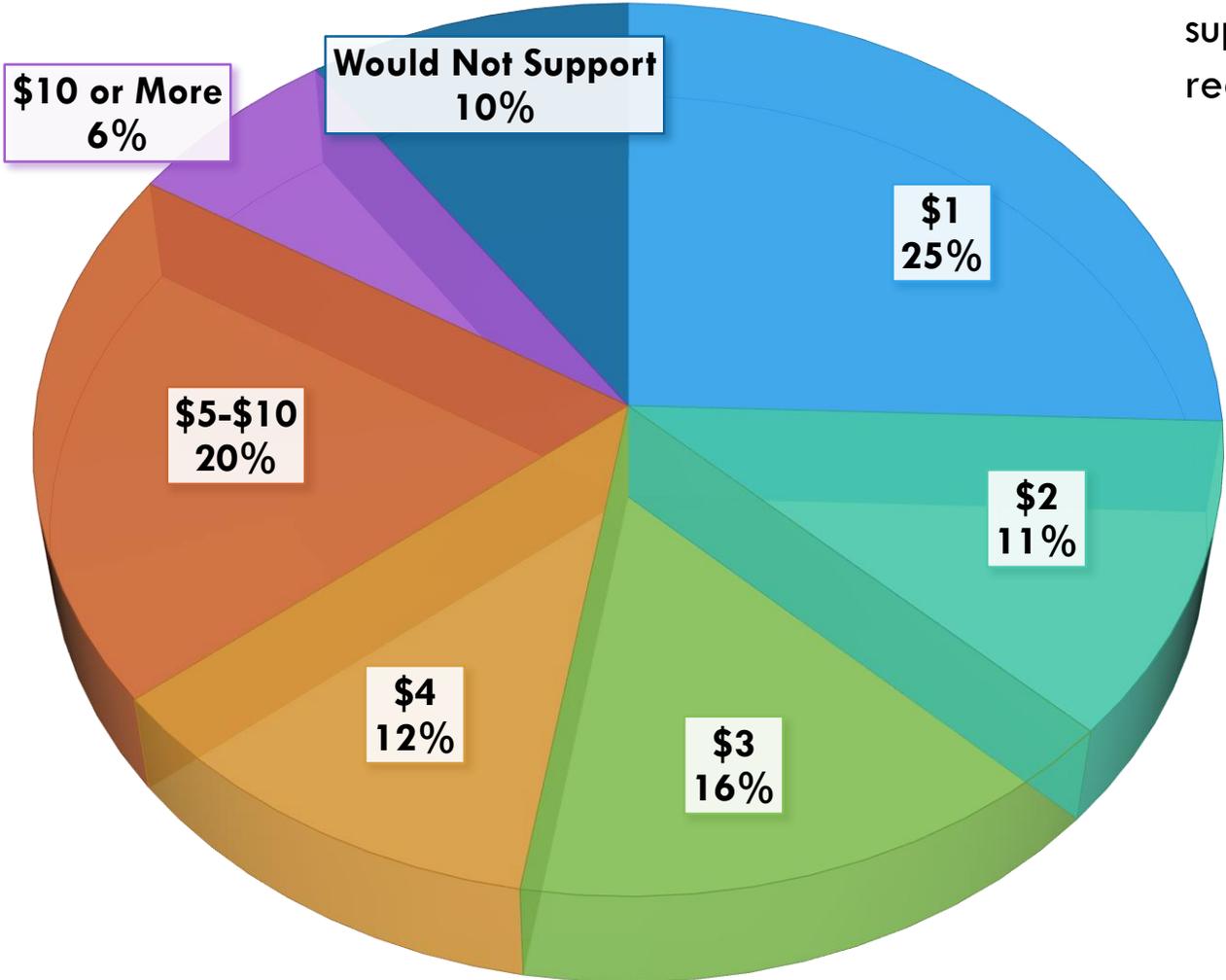


BOAT OWNER INSPECTIONS

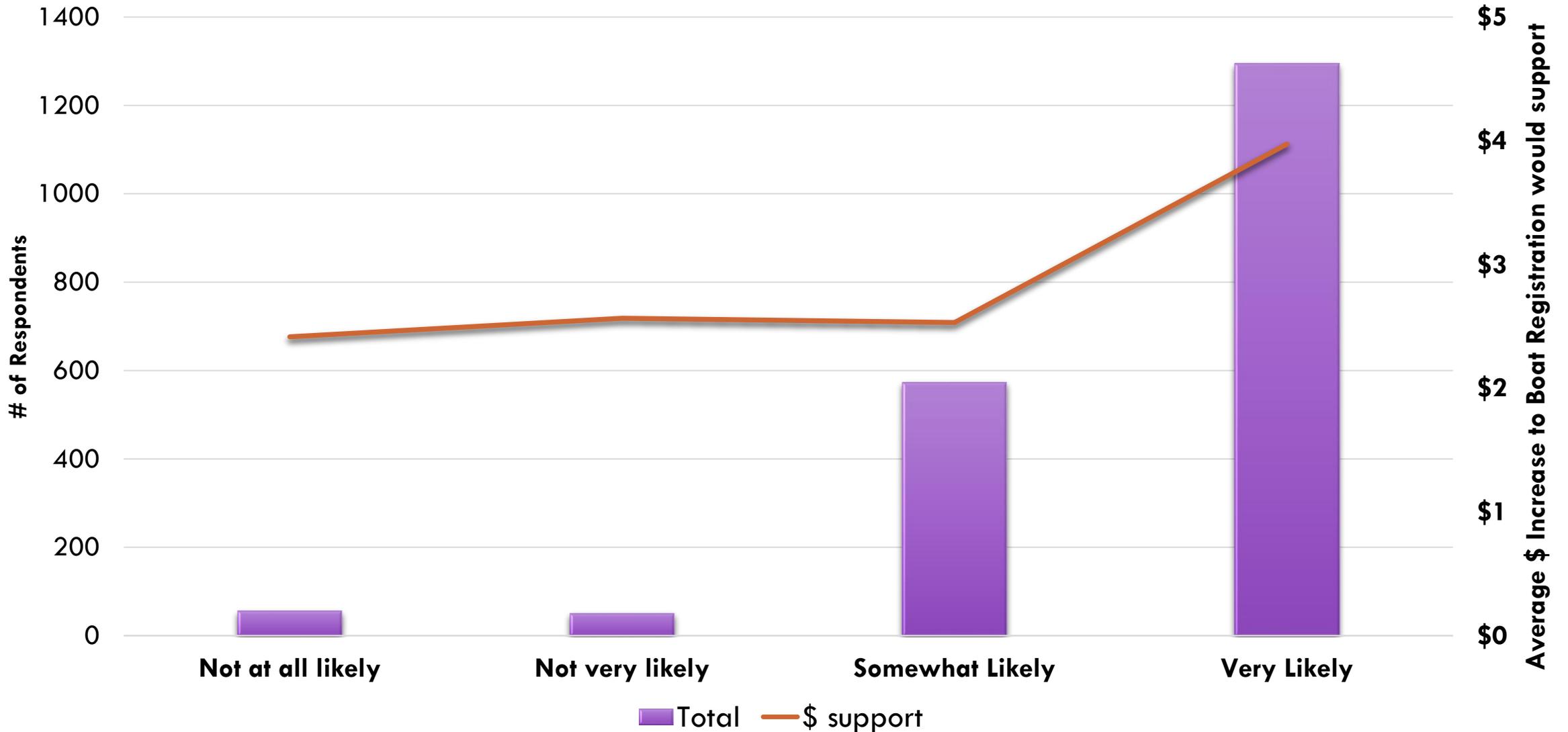


SUPPORT FOR BOATER REGISTRATION INCREASE FOR AIS PREVENTION

90% of people would support an increase in boater registration

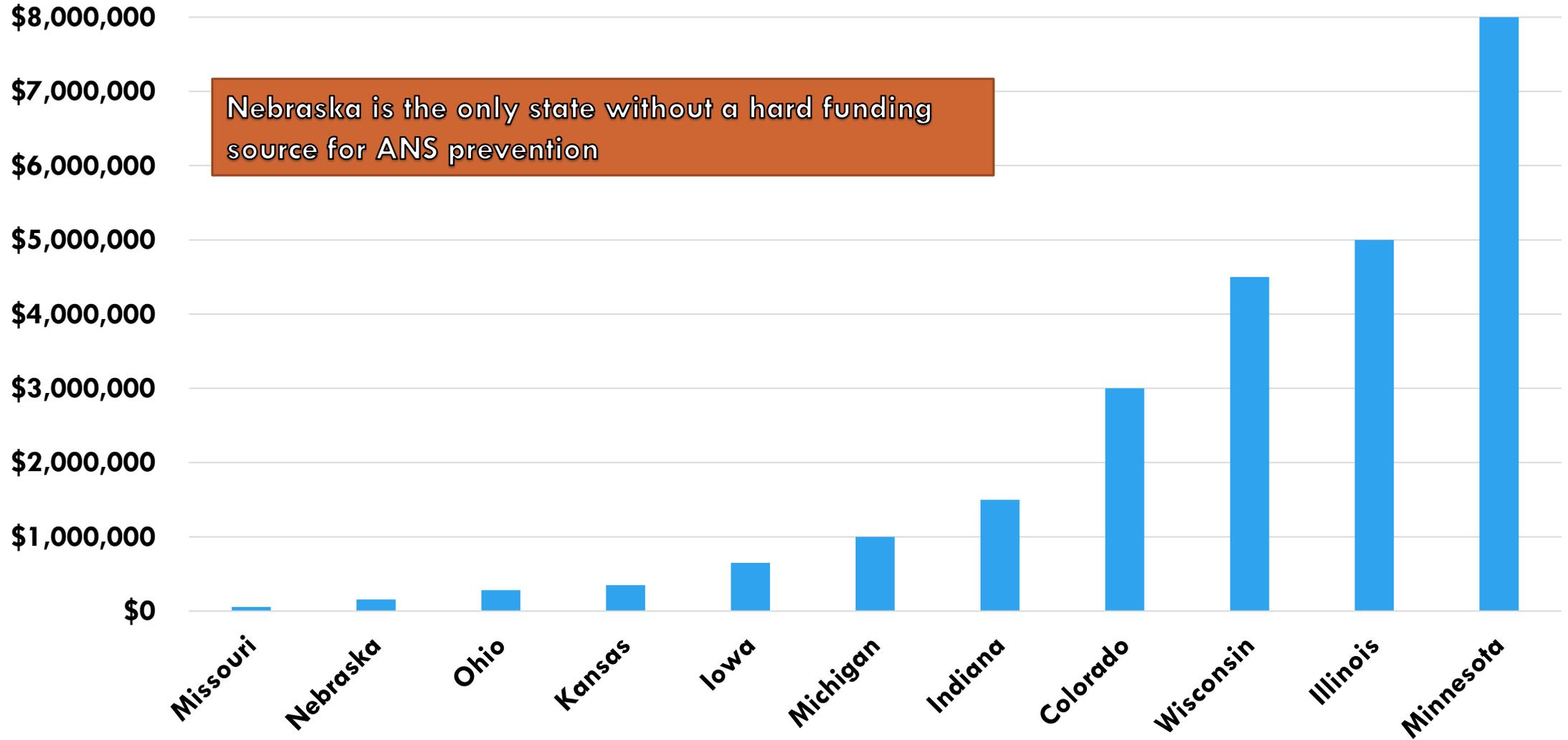


Likelihood of Support for Rules and Regs & Avg. Increase to Boat Registrations Would Support



BOAT INSPECTION BUDGET COMPARISON

Annual ANS Prevention Budget



PROPOSAL FOR INCREASE IN BOATER REGISTRATION

Boat Length	3 Year Registration Fee	Proposed Aquatic Invasive Species Prevention Fee
Less than 16 ft and all canoes	\$23	\$4 Fee on all permits
16-25 ft	\$46	
26-39 ft	\$67.50	
40 ft or >	\$115	
Demo permits for dealers or manufacturers	\$46	

A \$4 increase in boater registration would allow for a budget of \$346,000

QUESTIONS?

