

SNIFFING FOR SCIENCE



How Conservation Dogs Support AIS Early Detection and Monitoring Efforts

Presentation by: Laura Holder, Executive Director Midwest Conservation Dogs, Inc.



GREETINGS FROM MCDI!































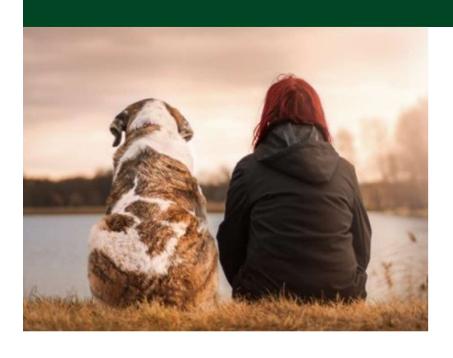
WHAT CAN THEY DETECT?



On land AND in water!



WHAT MAKESTHEM GOOD AT THIS JOB?



Their desire to work... with us!

- Dogs and humans have co-evolved over the past 32,000 years
- About 10,000 years ago, dogs were firmly ensconced in human society

Source: https://www.livescience.com/31997-dogs-and-humans-evolved-together.html



WHAT MAKESTHEM GOOD AT THIS JOB?

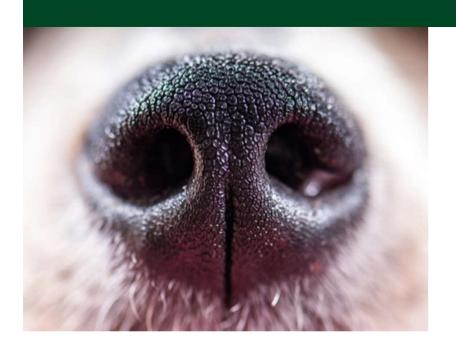


Their efficiency

- Search for multiple targets simultaneously
- Traverse terrain in a fraction of the time a human can
- Give instant, accurate results
- Detect things invisible to the human eye



WHAT MAKESTHEM GOOD ATTHIS JOB?



Their INCREDIBLE sense of smell

- It's wet and wriggly
- It's highly-capable
- It's portable







WHAT ARE CONSERVATION DOGS SNIFFING OUT?



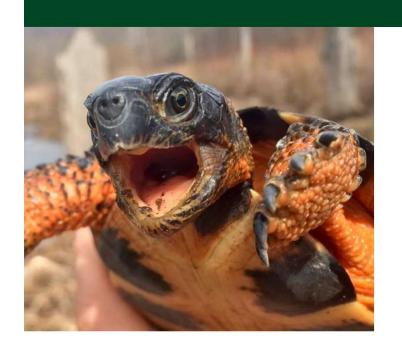
Brook Trout (pilot project)



- Project confirmed dogs can detect and discriminate scents in water
- Detection of fish in moving streams can assist with ecological monitoring



WHAT ARE CONSERVATION DOGS SNIFFING OUT?



Wood Turtle



- Threatened species in Wisconsin
- K9 Ernie found an individual never documented in 2019



WHAT ARE CONSERVATION DOGS SNIFFING OUT?

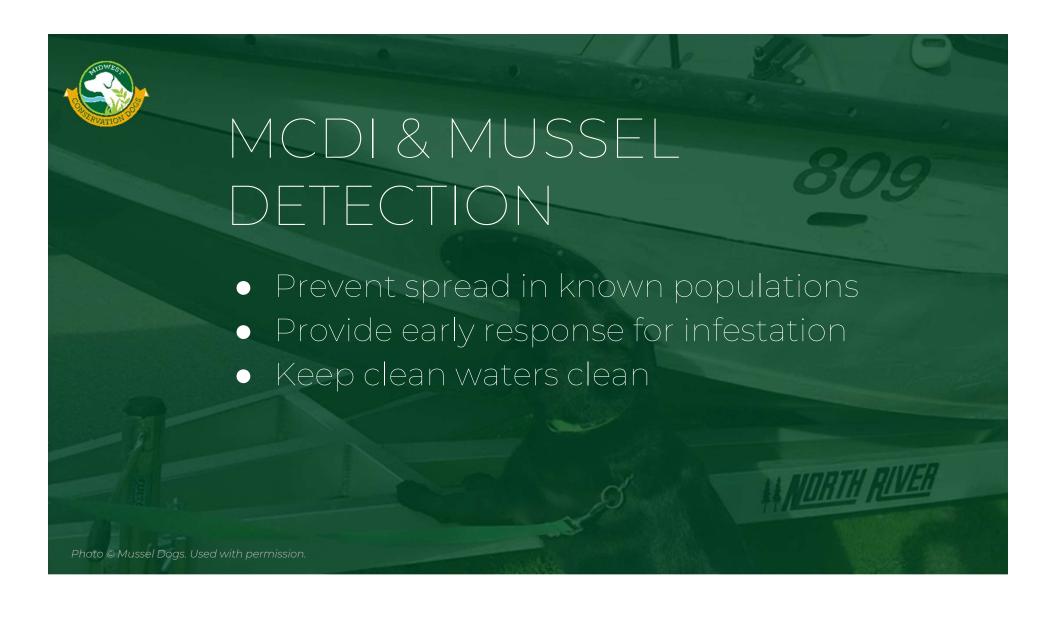


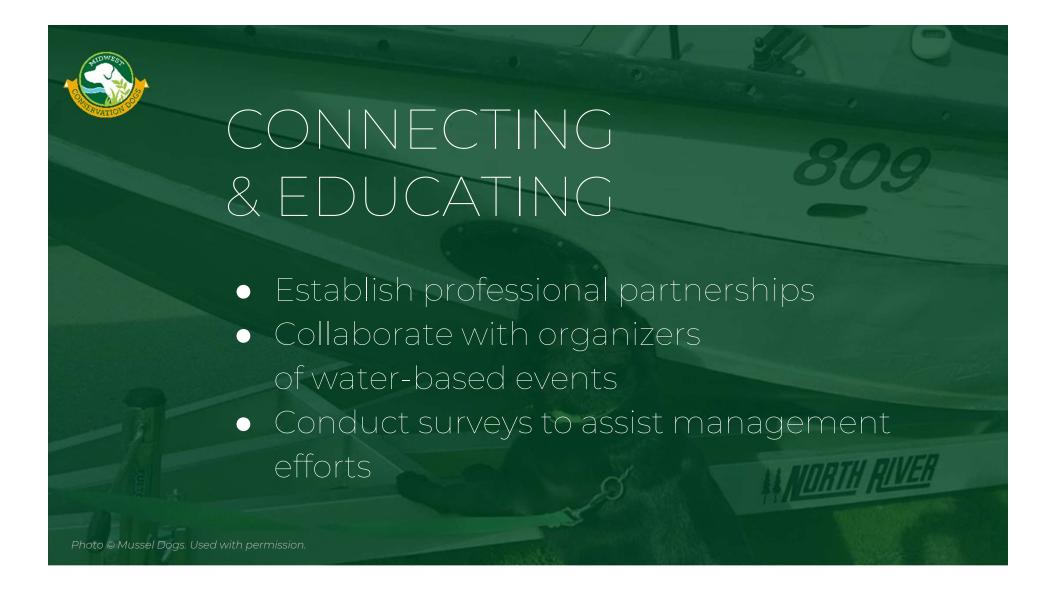
Zebra & Quagga Mussels

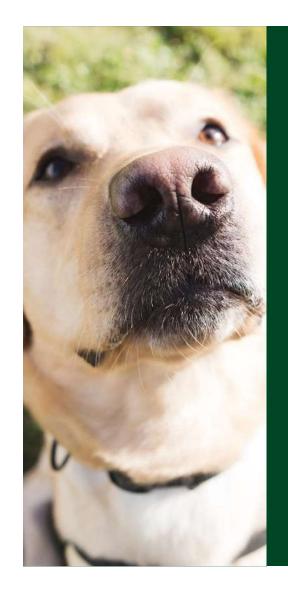


- Invasive species, prevalent in U.S.
- MCDI initiative to use dogs starting in 2020
- Partnership with Mussel Dogs











THANK YOU!

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