What Have We Done So Far?

Prevention has been the priority

2011





2015

Regular monitoring for veligers begins at RMNP.

begin at RMNP.



Whirlpool Lake tests positive for zebra mussel DNA. Access is restricted.

Water levels reduced at 2017 Whirlpool Lake.



2013

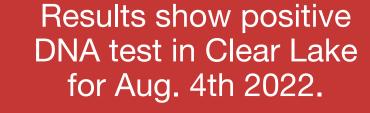
2019

Whirlpool Lake

declared zebra

mussel free.

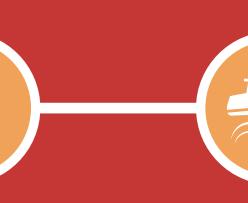
Area reopens.





Jan 2028

Feb. 2028



Winter eDNA monitoring begins at Clear Lake.

Boating season opens at Clear Lake with new rules.

June 1 2028



Water samples taken on several dates from multiple locations on Clear Lake.

Summer 2023





Oet 29 **2028**

Nov. 2028

Results show

eDNA at Boat Cove

throughout the

summer of 2023.

Living zebra mussels found at Boat Cove.







Winter eDNA Monitoring



Holes drilled in ice at Clear Lake's Boat Cove.

Trailered Boats



Water samples retrieved.

New Regulations



Sample is passed through a filter to collect eDNA.



Filter is sent to lab to be tested for zebra mussel DNA.





Summer 2023 Water Sampling

Clear Lake Water samples negative for zebra mussel eDNA Water samples positive for zebra mussel eDNA Zebra mussels found November 10 Aspen Spruces North Shore, Block 15 Wasamin

Canoe "Graveya

Boat Cove 🔾 🖈 Martina

Self-propelled Vessels

All self-propelled and non-trailered vessels such as stand-up paddleboards, kayaks, canoes, etc. were subject to mandatory inspection and decontamination for the 2023 season.







Frith





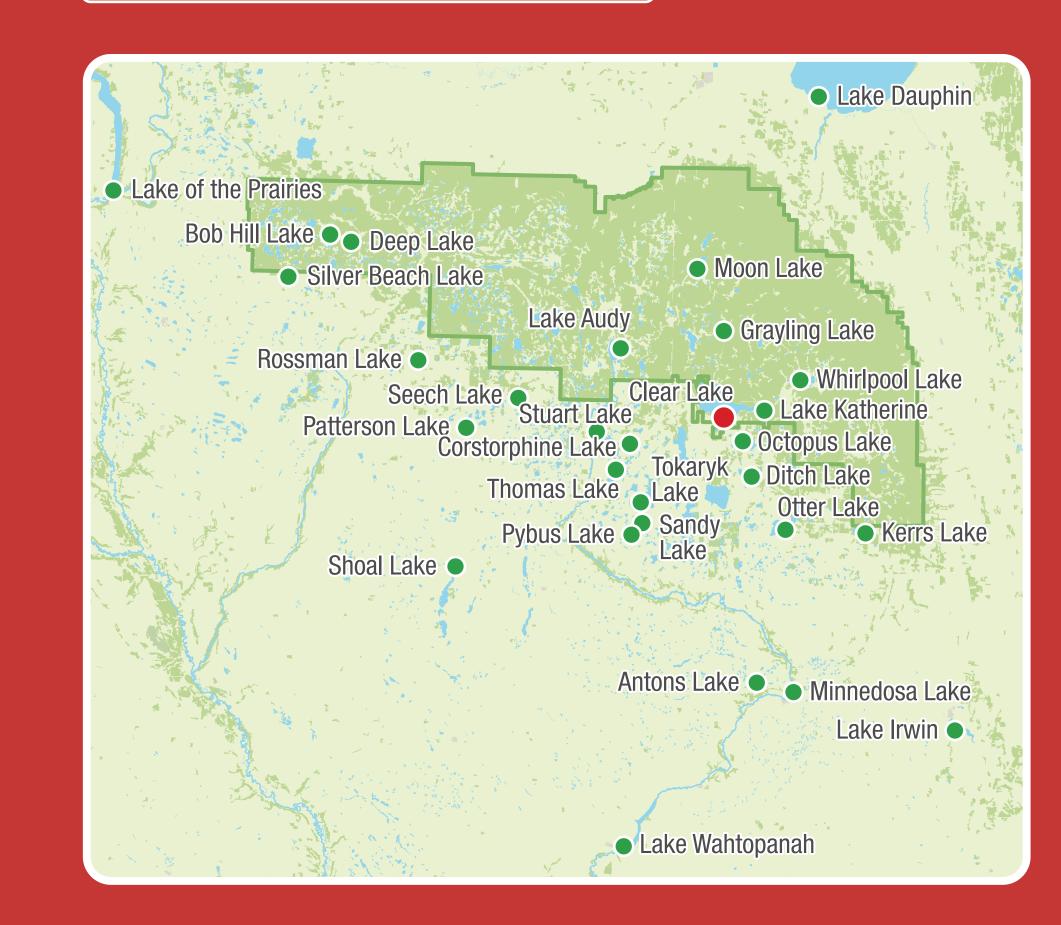
*Locations are approximate

the absence of mussels

*Negative test results do not prove

Zebra Mussels Found

Park and Surrounding Waterbodies



or tampered with, the boat was not allowed to launch in Clear Lake for the remainder of the 2023 season.

In 2023, RMNP enhanced its AIS program. To be

PASSED an inspection by June 15

permitted on Clear Lake, trailered boats must have:

Boats that met the requirements were attached to

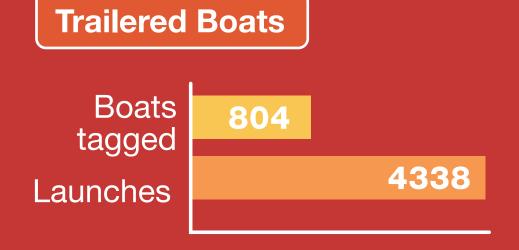
their trailers with a tag. If the tag was removed, cut

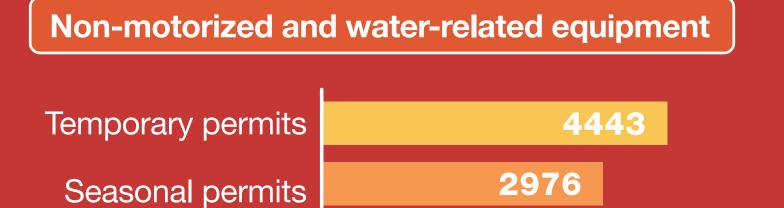
NOT have been in any other waterbody in 2023



2023 AIS Program Statistics

Decontaminations





Program Successes

The program helped keep other AIS, such as spiny waterflea, rusty crayfish and others from getting into Clear Lake. It also prevented the potential spread of zebra mussel veligers out of Clear Lake.





In early November, staff discovered and retrieved living zebra mussels from Boat Cove.



