The Science of AIS Compliance

Empowering Boaters with "The Tools"



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- The problem with AIS
- Barriers to AIS prevention action
- Why CD3 was developed
- Pilot sites and example locations
- Model options for AIS prevention





Invasive species cost to U.S./year



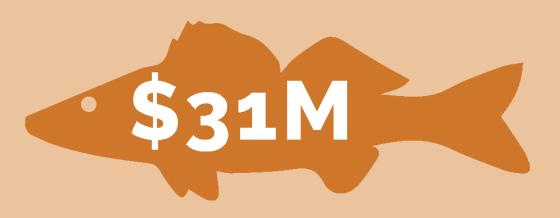
Over 36,000 public boat launches



Existing solutions are costly & cannot scale





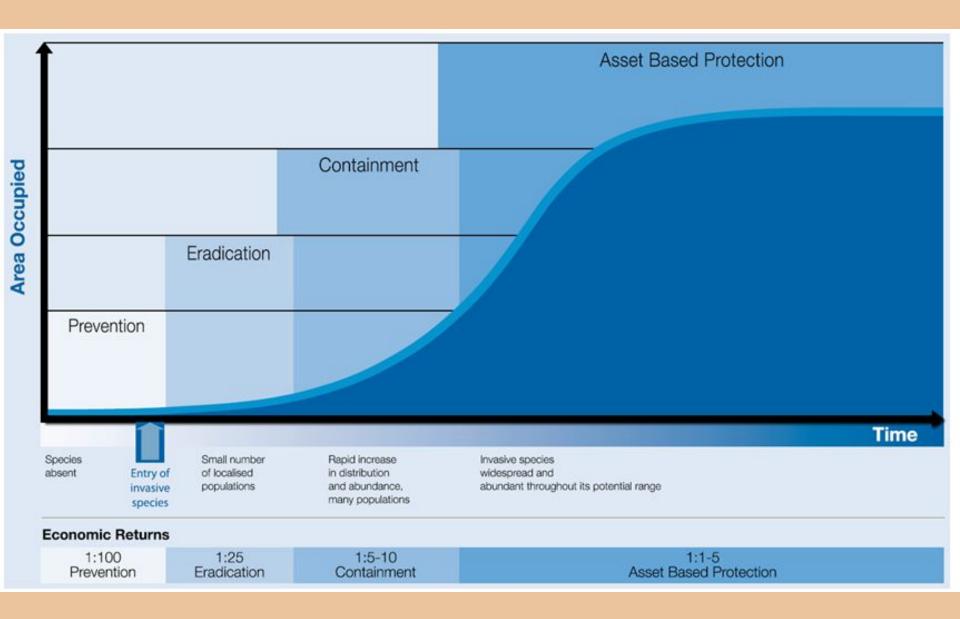


- 2 Species in 2010
- 60% plankton Loss
- 2016 fishery closed

- 1 County
- 1 Fishing season lost
- 1 Lake

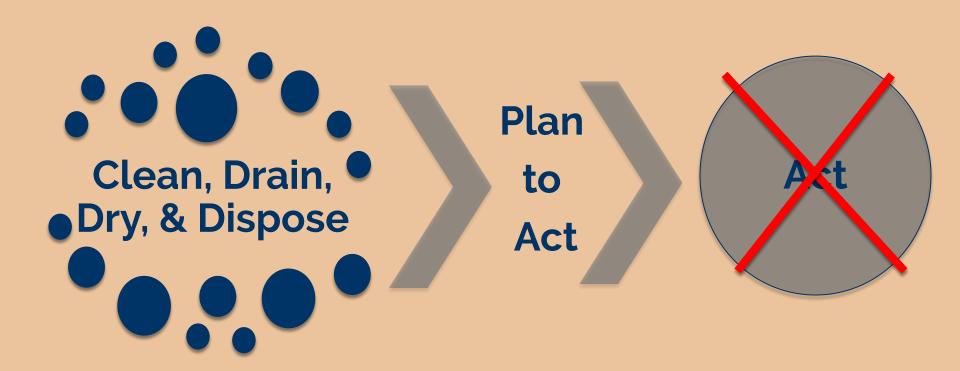


Problem: Mille Lacs





Invasion Curve





Example: my first car... not a Ferrari

- Marketing
- High brand value
- All the cool kids are doing it
- Barriers





AIS survey says... "Give 'em the TOOLS"

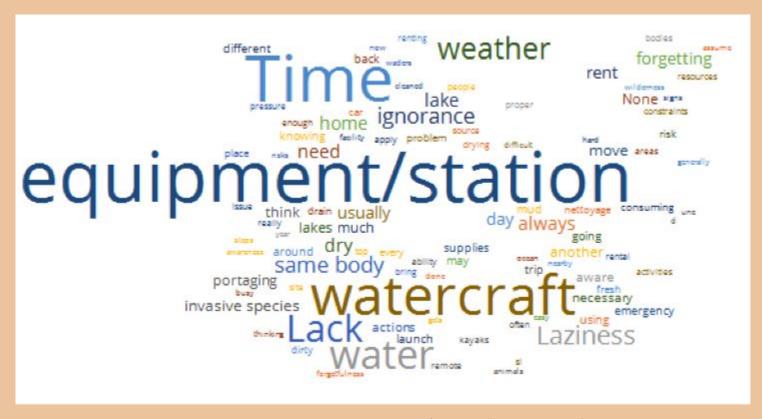


Image Courtesy of Canadian Council on Invasive Species



Empowering Action

Goals of 2017 Pilot

- Empower "day boaters"
- 5 locations
- Diversity of boater types
- Small large launches
- Clean-in vs. clean out
- Urban rural landscape
- Oligotrophic eutrophic





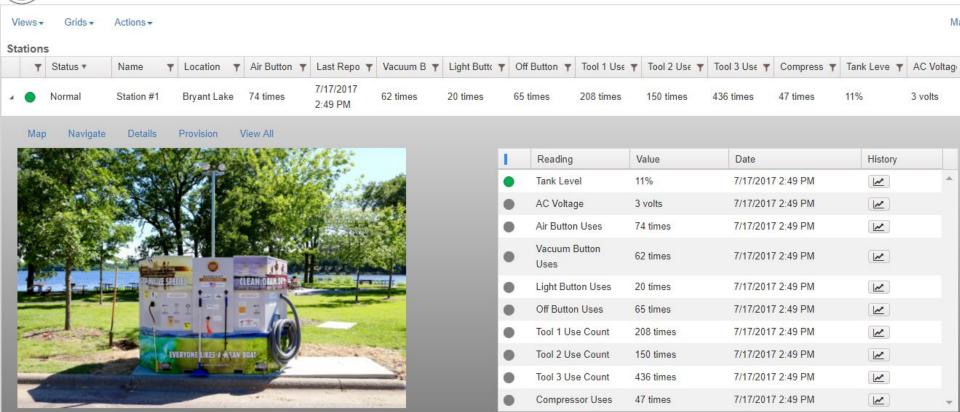






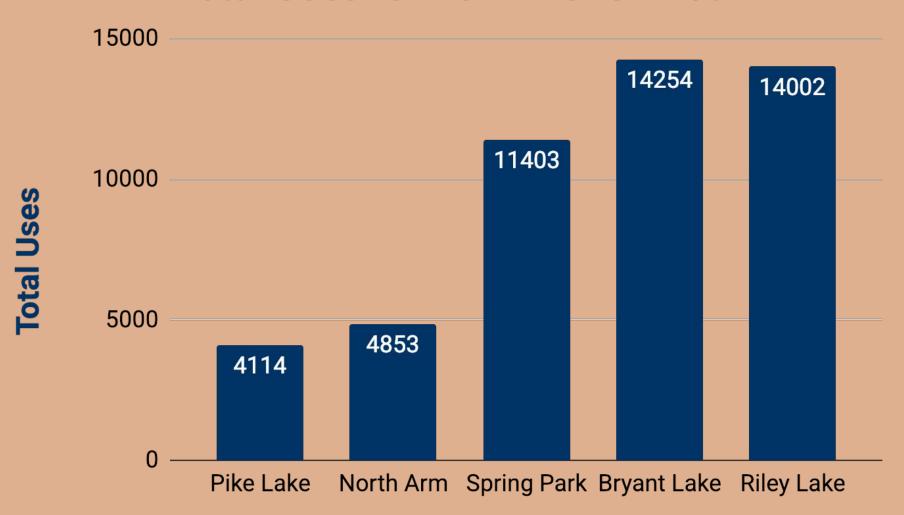
Pilot Design

CD3 STATION REMOTE PORTAL



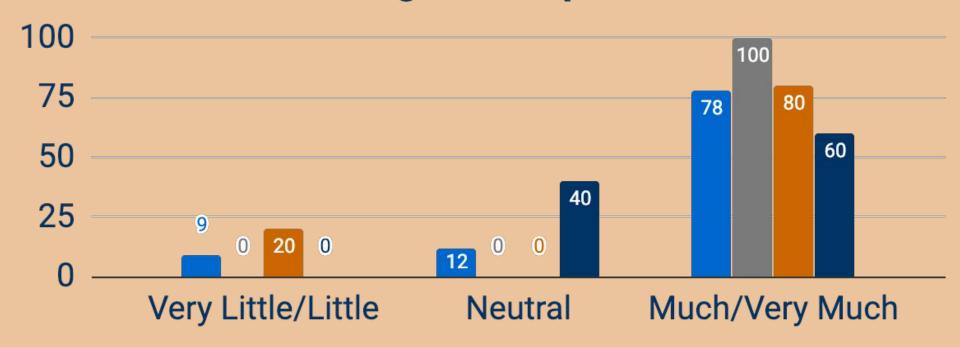


Total Uses for 2017-2018 Pilot





Percentage of Respondents

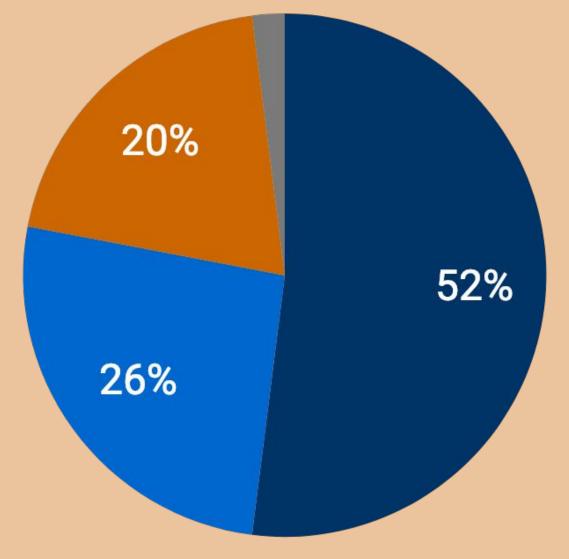


Tasks

- Removing Vegetation Disposing of Bait
- Draining Water from Boat Drying Boat or Trailer



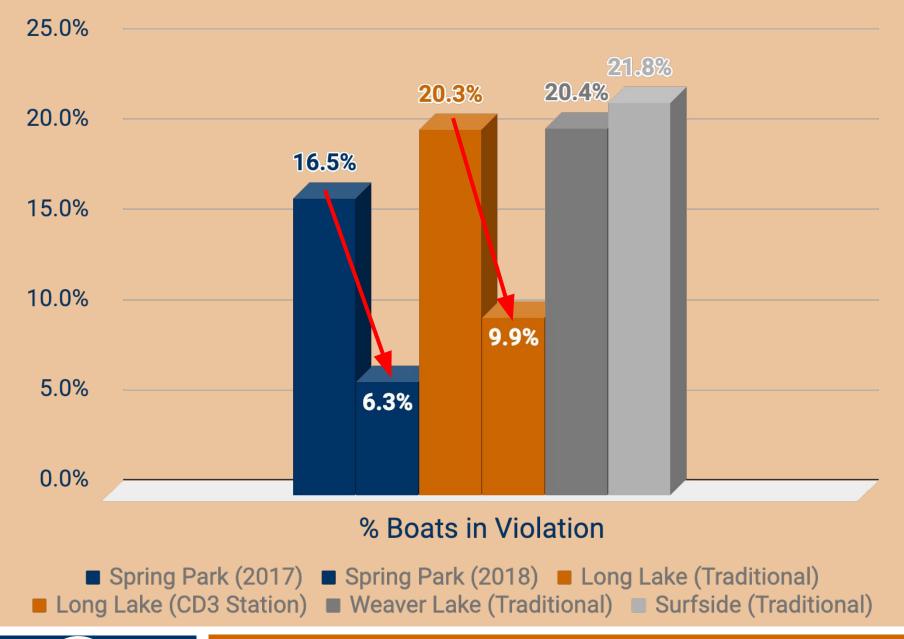
Helpfulness of CD3



Very Easy
 Easy
 Neutral
 Difficult



Ease of Use of CD3





Violation Rates

- Decrease in violation rates by 70+%
- Automatic metrics and maintenance alerts
- High tool use
- Low O&M
- No vandalism
- High public approval





















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