

# **Empowering AIS Prevention Behaviors**

# Online Boater Led Check-In/Check-Out Alternative to In-Person Inspections:

A COVID-19 Response Pilot



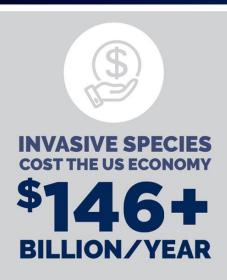
#### Overview



- Problem: Aquatic Invasive Species (AIS)
- Problem: COVID
- Behavioral Science
- Site Design + Standards
- Check-In, Check-Out Web Hub Pilot

#### **Problem**





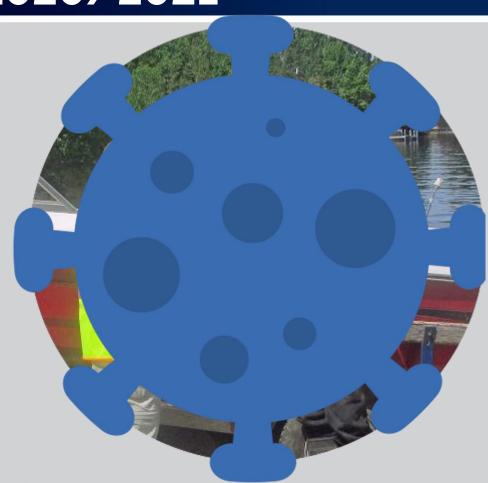




EXISTING SOLUTIONS
ARE COSTLY AND
CANNOT SCALE

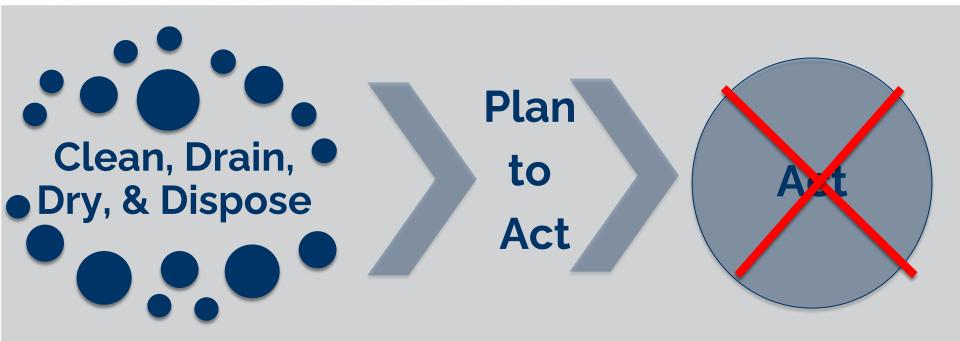
## Problem: 2020/2021





## **Behavioral Science**

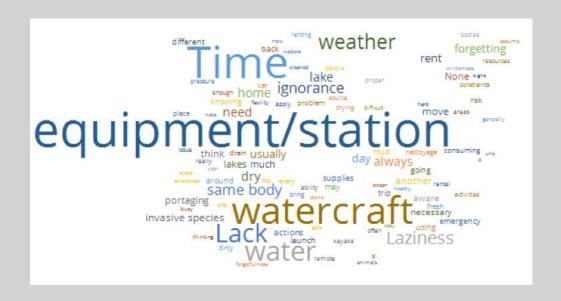




Dayboaters FAIL to take action

#### **Barriers to Behavior**



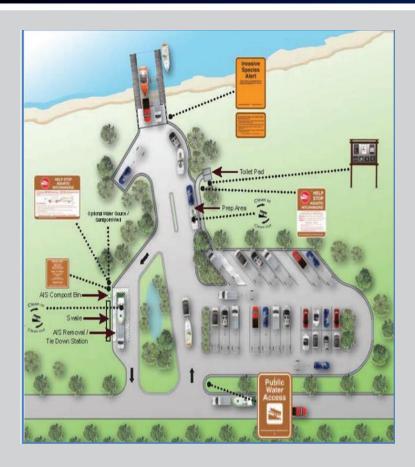


#### "Give 'em the TOOLS"

Word Cloud Image Courtesy of Canadian Council on Invasive Species

#### Installations





- Designate: "clean-in/out" area
- Small or large access



Design Guidelines

## Waterless Cleaning Systems









## CD<sup>3</sup> Systems Overview





#### Violations Decrease...BUT



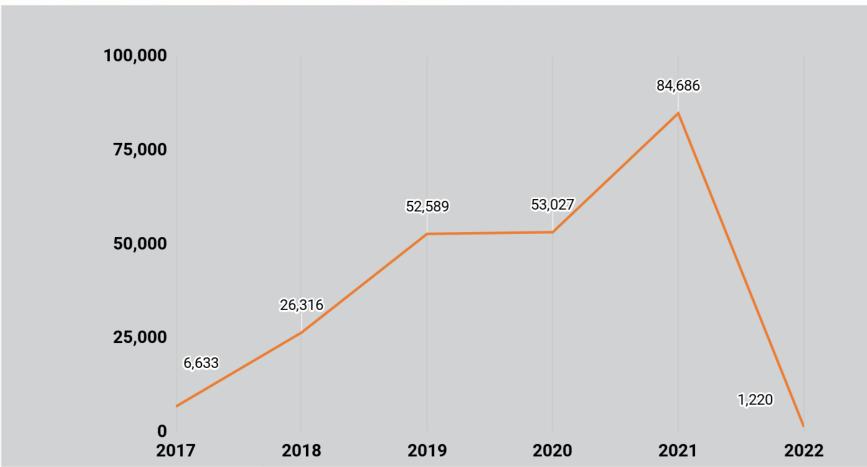


% Boats in Violation



## **Number of Actions Taken by Year**





## **Community Based Social Marketing**



- Overcome behavioral barriers
- . Use a social contract
- . Ultimately:
  - Decrease the spread of AIS
  - Increase compliance with AIS regulations
  - Increase use of available tools



#### Check-In, Check-Out Web Hub (CBMS)





- Custom designed
- Scaleable
- Social contract
- Incentive programs





## **Site Specific Instructions**





Instructions based upon site-specific tools

### Signage & Pavement Markers







- Pictures over words
- Action over education
- Delineate action area
- People follow lines









Use regional standard messages

#### Inbound Watercraft





- Focus on "get ready" areas
- Simple call to action
- Delineate cleaning space

#### **Equipment & Software**

- Check-In, Check-Out Web Hub
- CD3 Roadside

#### **Outbound Watercraft**









- "Containment" strategy
- Within 150' of launch
- Direct with arrows
- Educational kiosk exterior

#### **Equipment & Software**

- Check-In, Check-Out Web Hub
- All models

## **CICO: Ramsey County Case Study**



- 177 web app uses
- 88 commitments to future action
- Provide an incentive
- Have more obvious signage
- Change message to "Check In Check Out"
- Mandate?



## **Future: Unique Identifiers**





**Boat Number** 

**Zip Code** 

**Vehicle Licence** 

### **Future: Enforcement**





Web based hosting

Is it enforceable?

What do you fine?

Who does the checking?

### **End Results:**











**Empowering the public to take ACTION** 

#### **Questions?**



