



Clean - Drain - Dry - Dispose
Waterless Cleaning Systems

**Stop Starry
Statewide Initiative**



- Problem: Statewide Challenge
- Stop Starry Program
- Waterless Technology & Software
- Program Outcomes
- Questions

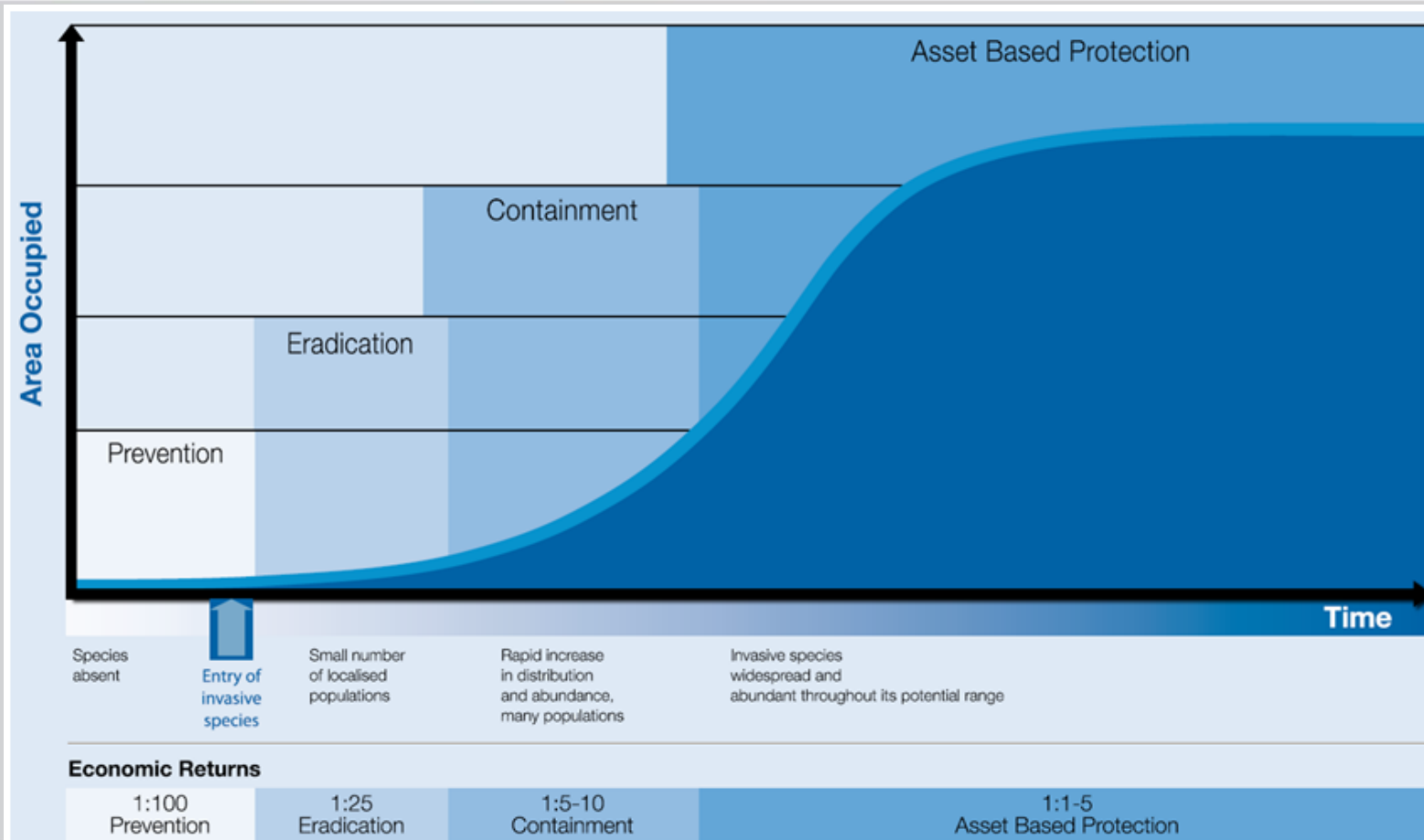
Minnesota: Land of...Boats



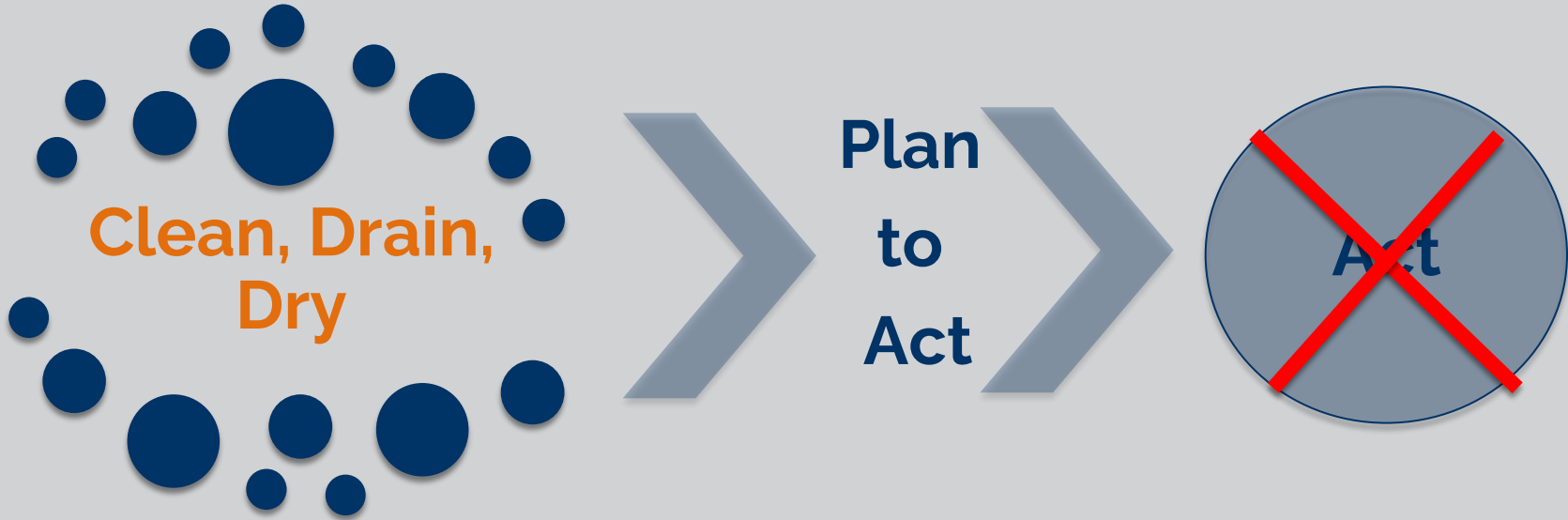
850,000 registered watercraft or, 1 of 5 people have a boat

60% go to more than one lake

Prevention is Powerful

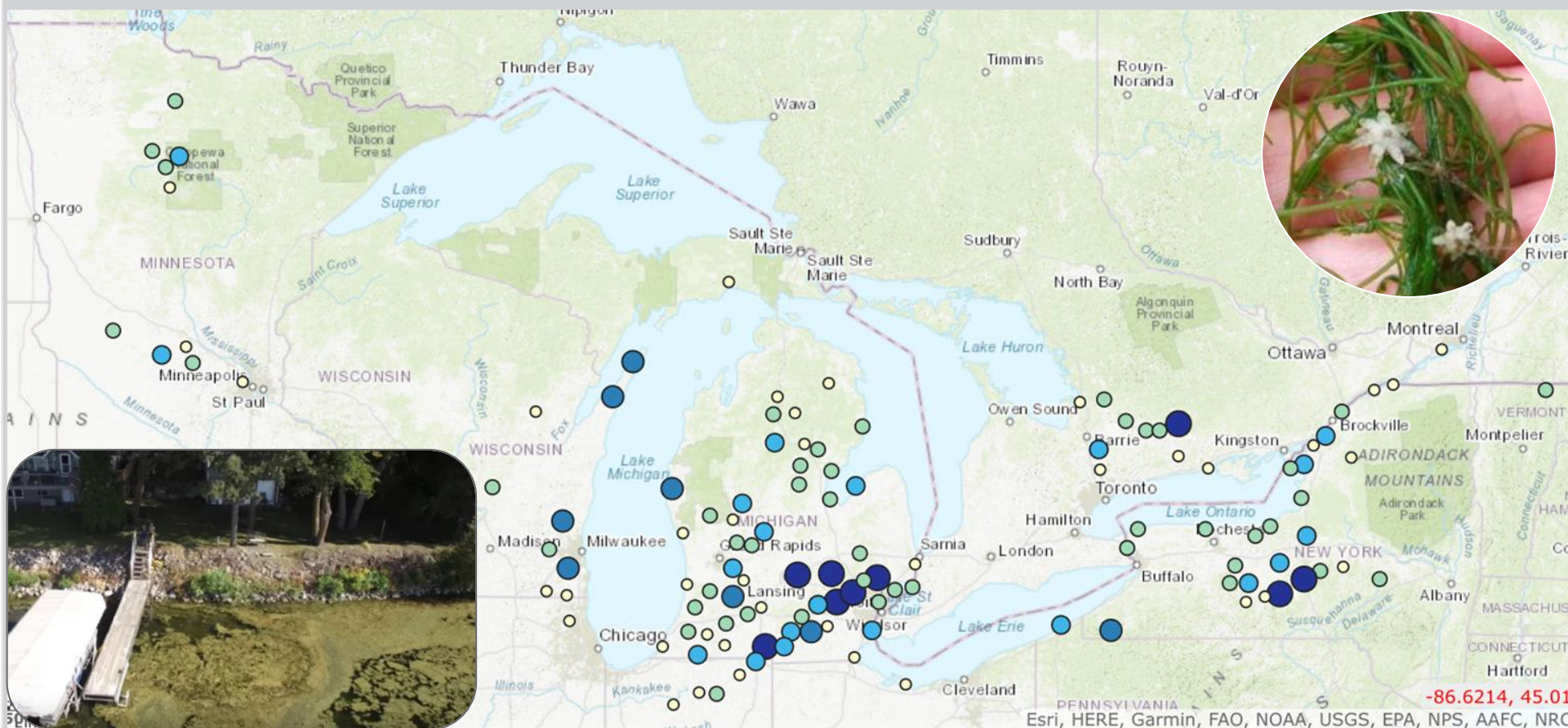


Day-Boater Behavior



Boaters FAIL TO TAKE ACTION

Starry Stonewort = Super Spreader



-86.6214, 45.01

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS, AAFC, NRC

Ecological & Economical Tragedy



- MN boating = \$5.5B/year
- 28k jobs
- Lake Koronis: \$170k/year
- Future of lake ecology



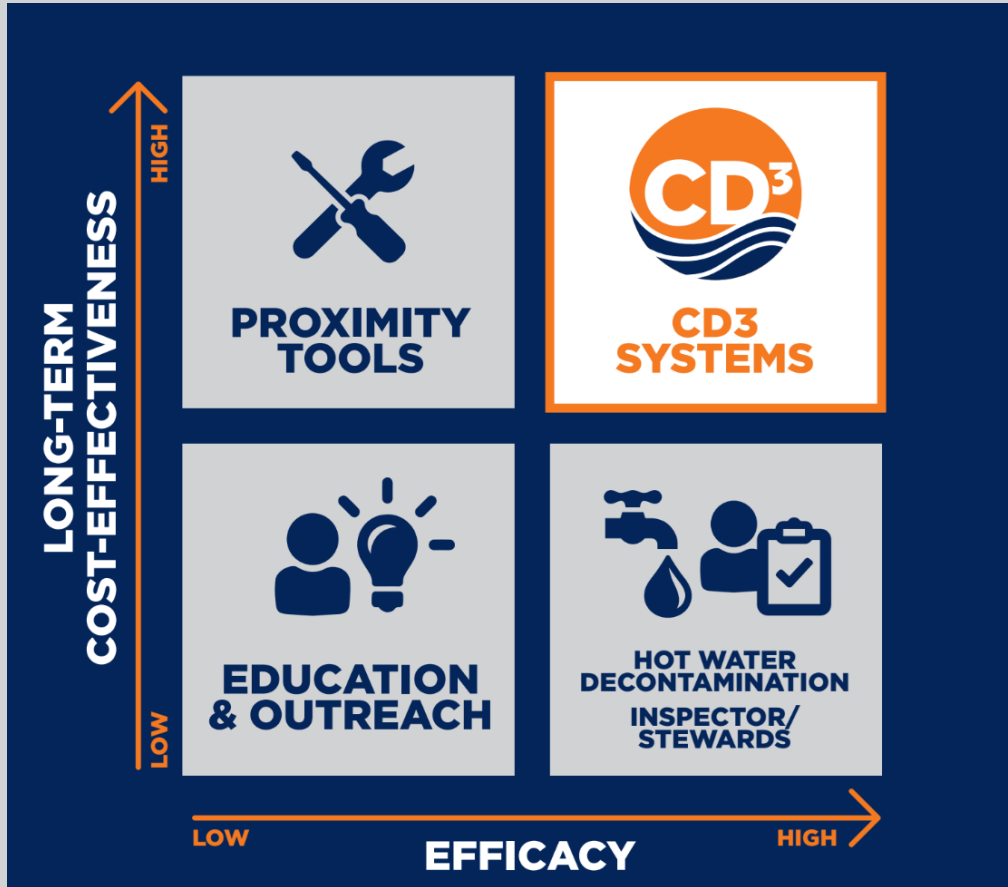
Developing a Complex Partnership



14 lakes - 28 boat ramps

- 1 state DNR
- 2 federal agencies
- 2 tribes
- 7 counties
- 12 municipal & townships
- 14 lake associations

AIS Treatment Hierarchy



- Educate and empower
- Self-service equipment
- 24/7 availability
- Data on usage
- Long-term infrastructure

How works:



EDUCATIONAL
KIOSK AND
DECALS

TETHERED
HAND TOOLS

AIR BLOWER

WET/DRY
VACUUM

TOP/BOTTOM
LED LIGHTS

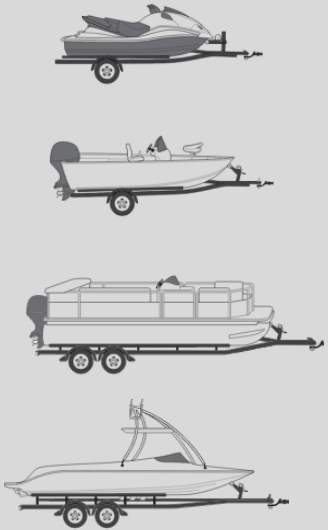
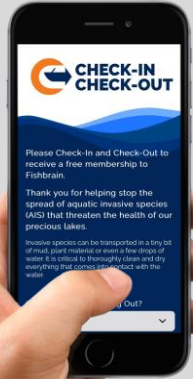
OFF-GRID
SOLAR POWER



INTERNET
CONNECTED



CHECK-IN CHECK-OUT



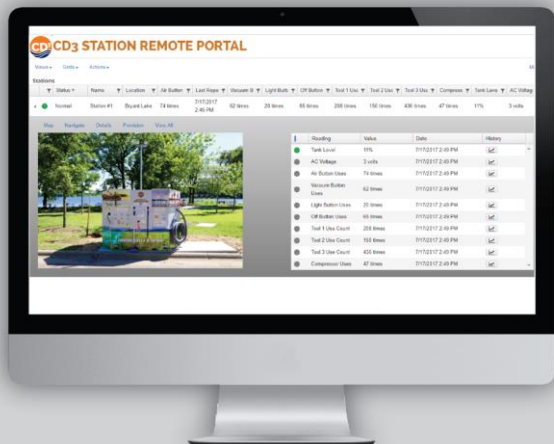
FISHBRAIN



**Data +
Incentive**

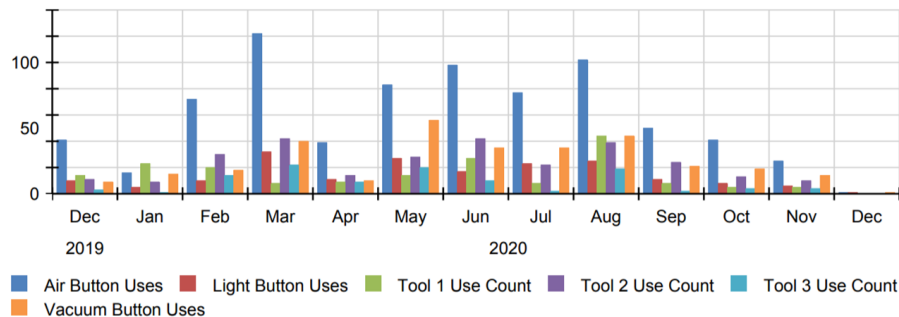


Software & Data Analytics



- Tool time stamps
- Custom reports
- Cleaning sessions
- Inform strategies

Graph by Year/Month



Equipment use adoption



Air/Blower Uses

7,818

Vacuum Uses

4,181

Plug Wrench Uses

3,152

Reach Grabber Uses

3,055

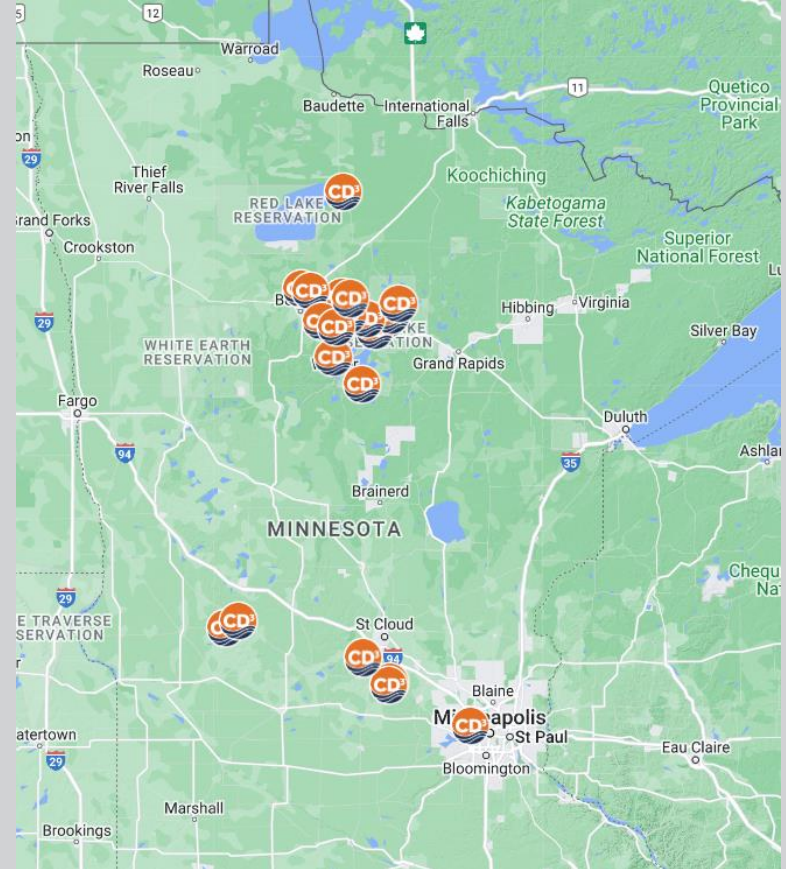
Light Uses

1,878

Brush Uses

868

22'-23' Total Tools: 20,931



Questions?



Ed Rudberg

CEO

ed@cd3systems.com

952-212-6576

www.CD3systems.com