

OHIO SEA GRANT AND STONE LABORATORY

# AIS Update from the American Boat & Yacht Council

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# The American Boat & Yacht Council

- Non-profit
- Develops voluntary safety standards for recreational boats:
  - Design
  - Construction
  - Maintenance
  - Repair
- Offer seminars, workshops, and technician certification courses
- 90% of boats on the water are built to ABYC standards
- In U.S., very few laws with regard to construction of recreational boats



# ABYC AIS Summit – January 27-28, 2015

- Mission:

- To engage major stakeholders in an in-depth dialogue regarding prevention, inspection and decontamination of boats

- Focused on:

- Boat design and construction
- Component/system design and installation
- Engine and propulsion systems
- Trailer design and construction



- Attendees (100)

- ABYC
- USFWS
- State Marine Boards
- NMMA
- Industry Representatives and Associations
- SOBA
- Marine Fisheries Commission
- NPS
- Sea Grant
- etc...

# Boat Design and Construction

- Education Opportunities

- Boat builders don't know where to go for information
  - For themselves
  - For their consumers/dealers

“What’s a villager?”

- Action Items – Education

- Centralized web-based resource on AIS
  - Audience includes industry, consumer, etc.
  - Ask NMMA and ABYC to distribute information
- ABYC/NMMA to further educate boat builders/industry
  - Webinars
  - IBEX seminars

# Boat Design and Construction

- Action Items – Boat Design
  - ABYC Task Force for Boat Design Considerations for AIS
    - Intentional water uptake
      - Ballast tanks, live wells
    - Incidental water
      - Anchor compartments, bilge
    - Hull and external structures
      - Strakes, keels, thru hulls
- Other Opportunities
  - “AIS Safe” boats – consider future action to develop acceptance, marketing, and certification standards
    - Include post-construction retro-fit opportunities



Large drains to remove water

# System and Component Design and Installation

- Needs/Solutions for AIS

- Unified consumer education
- Filtration devices
- Alternative decontamination
- Uniform minimum requirements
  - Standard decontamination process



- Action Items

- Survey water pressure and temperatures in decon process
- Distribute Uniform Minimum Protocol
- Explore grant availability for systems testing
- Unified consumer education resource for manufacturers

# Propulsion and Engine Systems

- Considerations/Issues

- Engine types
- Veligers vs. adults
- Engine flushing interface
- Water temps for decontamination
- Alternatives to hot water



- Action Items

- Industry engine/cooling system diagrams circulated by ABYC
- Engine manufacturers evaluate water temps and determine max temps possible
- Industry provide flushing manuals
- Summarize effects of higher salt concentration on mussels and engine components
- ABYC: address engine flush attachment in standard

# Trailer Design and Construction

- Issues

- Cleaning plants/organic material
- Eliminating standing water
- Adult mussel/organism attachment
- Design changes are influenced by consumer preference

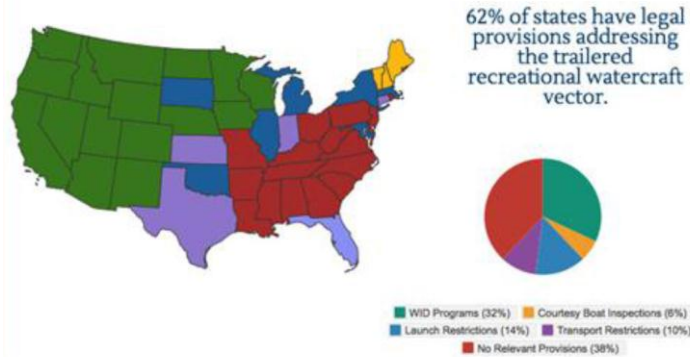


- Action Items

- Develop recommended best practice for how to thoroughly flush and drain a trailer
- Incorporate a “flush here” opening with label
- Outreach
  - Additional info in owners manual on jacking boat up to tilt and further drain once parked



# Summary – Overall



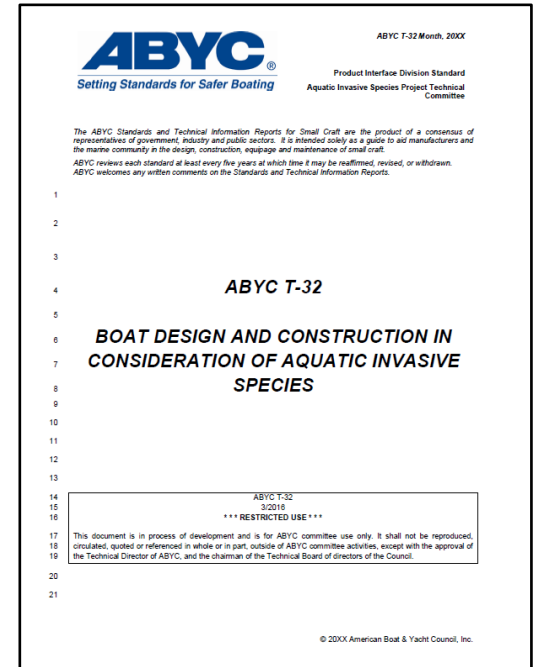
- Educate the boater of the need for responsible AIS considerations
- Strive for greater involvement by the boating industry
- Uniform inspection/decontamination procedures
- Develop a technical information report to assist boating industry in best known AIS mitigation strategies
- Centralized location for AIS information, regulatory information and inspection/decontamination procedures

## The AIS Challenge



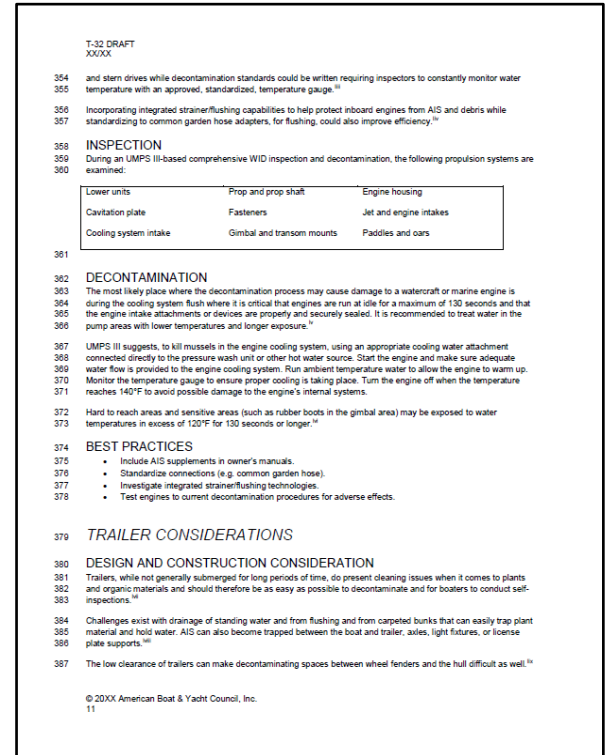
# ABYC T-32: Boat Design and Construction in Consideration of Aquatic Invasive Species

- Drafted March 2016
- Call for Comments addressed at ABYC AIS Project Technical Committee Meeting on May 17-18, 2016
- Resulting draft from the subcommittee will go out for another call for comments period.
- Next meeting scheduled for October 3<sup>rd</sup> at International Boatbuilders Exhibition and Conference



# ABYC T-32: Boat Design and Construction in Consideration of Aquatic Invasive Species

- Sections
  - Hull Considerations
  - System/Component Considerations
  - Engine Considerations
  - Trailer Considerations
- Each Section Contains
  - Design and Construction Considerations
  - Inspection
  - Decontamination
  - Best Practices



# Ohio Clean Marinas Program

## CONTACT

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## FIND OUT MORE

[ohioseagrant.osu.edu/clean](http://ohioseagrant.osu.edu/clean)

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