

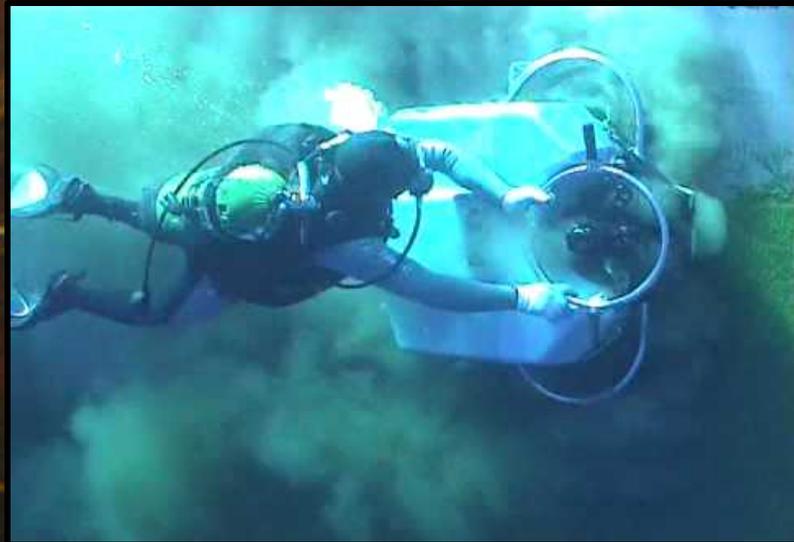
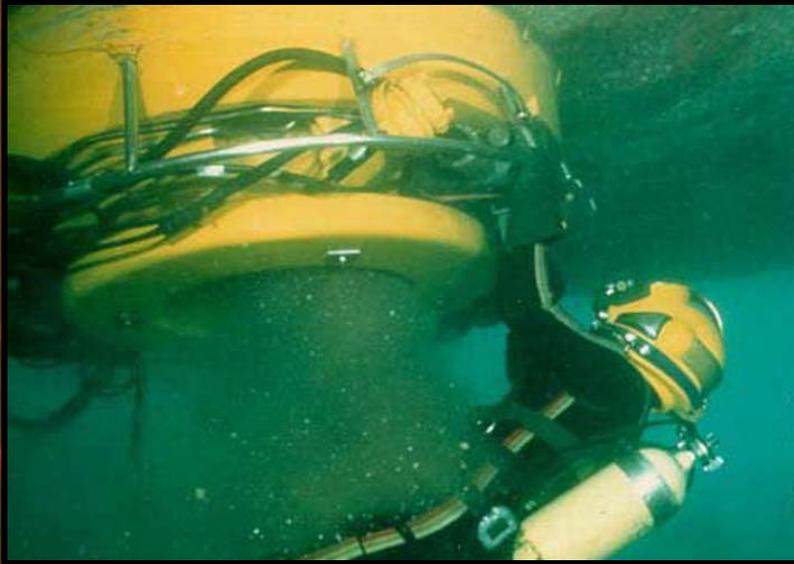


**A Collaborative Panel  
Discussion on the Present and  
Future of In-Water Hull Cleaning  
in California**

**Prevention First 2014  
October 8, 2014  
Long Beach, CA**

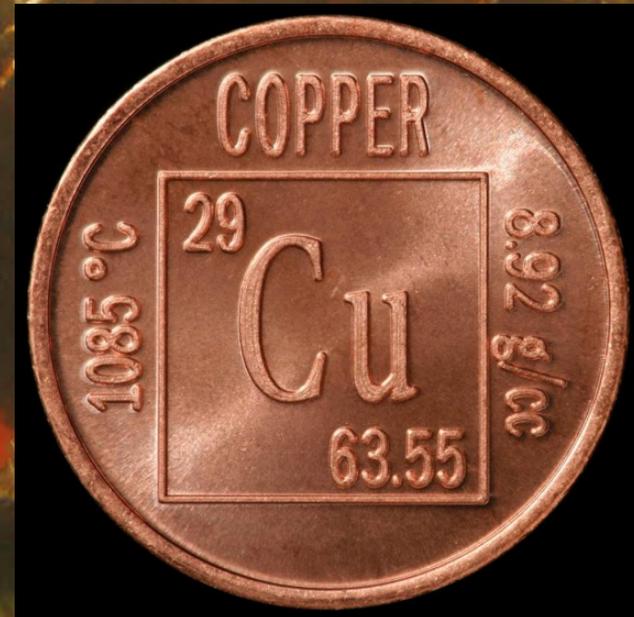
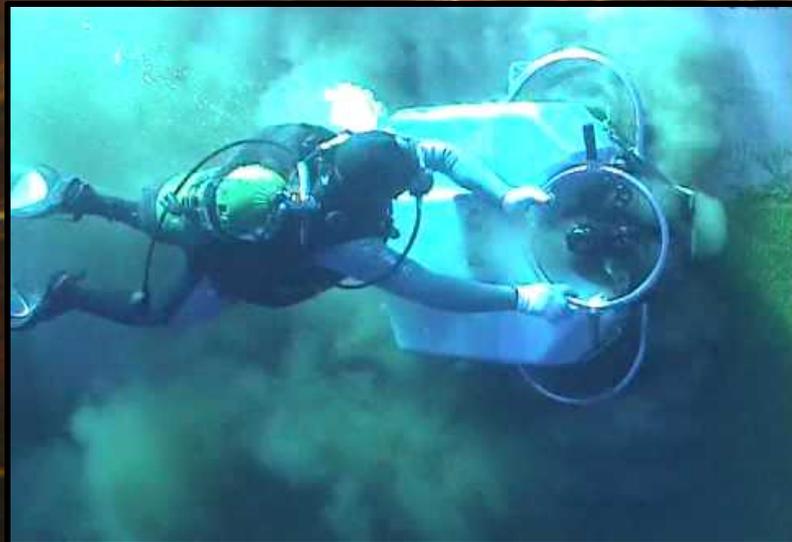
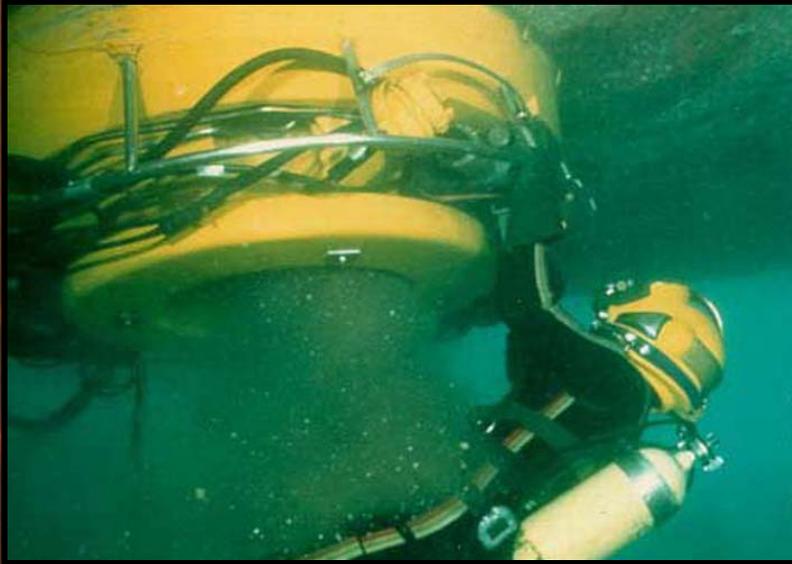


# What's the Concern? Nonindigenous Species



# What's the Concern?

## Heavy Metal Pollution



# What's the Concern?

## Overlapping Jurisdiction



US: National Invasive Species Act



CA: Marine Invasive Species Act

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SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD

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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD

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SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD



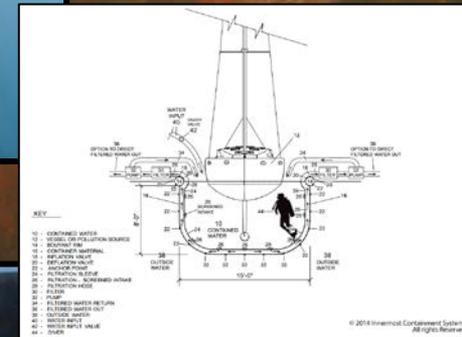
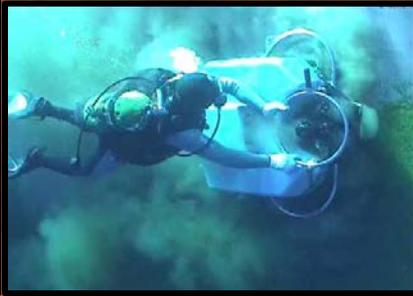
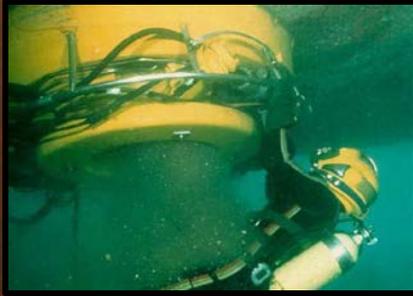
US: Clean Water Act/  
Vessel General Permit



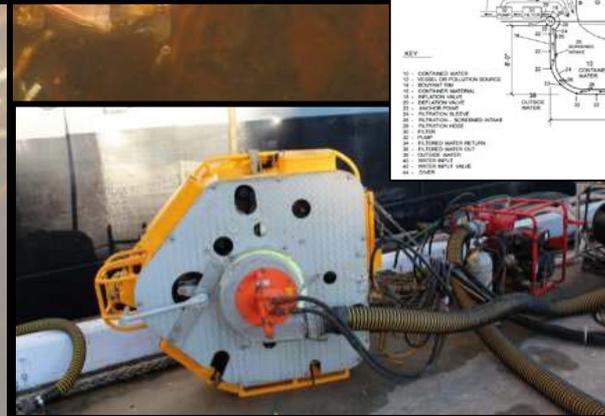
CA: Porter-Cologne Water Quality Control Act  
US: Clean Water Act/Vessel General Permit



# What's the Solution?



- New in-water cleaning technologies  
**(NO ENDORSEMENT IMPLIED)**
  - Collection/retention & filtration/treatment
  - Heat treatment



# What's the Solution?

Cooperation and  
collaboration



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# Panelists

- Kathryn Kelley
- Paul Hann
- David Elias
- Jenny Newman
- Dylan Porter
- Richard Barta
- Eugene Georgiades

