

USCG Ballast Water Management Program



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United States Coast Guard
U.S. Department of Homeland Security

Pacific Ballast Water WG
April 6, 2021

Topics

- Message to Industry
- National Patterns of BW Discharge and Management
- Extensions
- Alternate Management Systems
- R&D
- Outreach



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Our message to industry ...

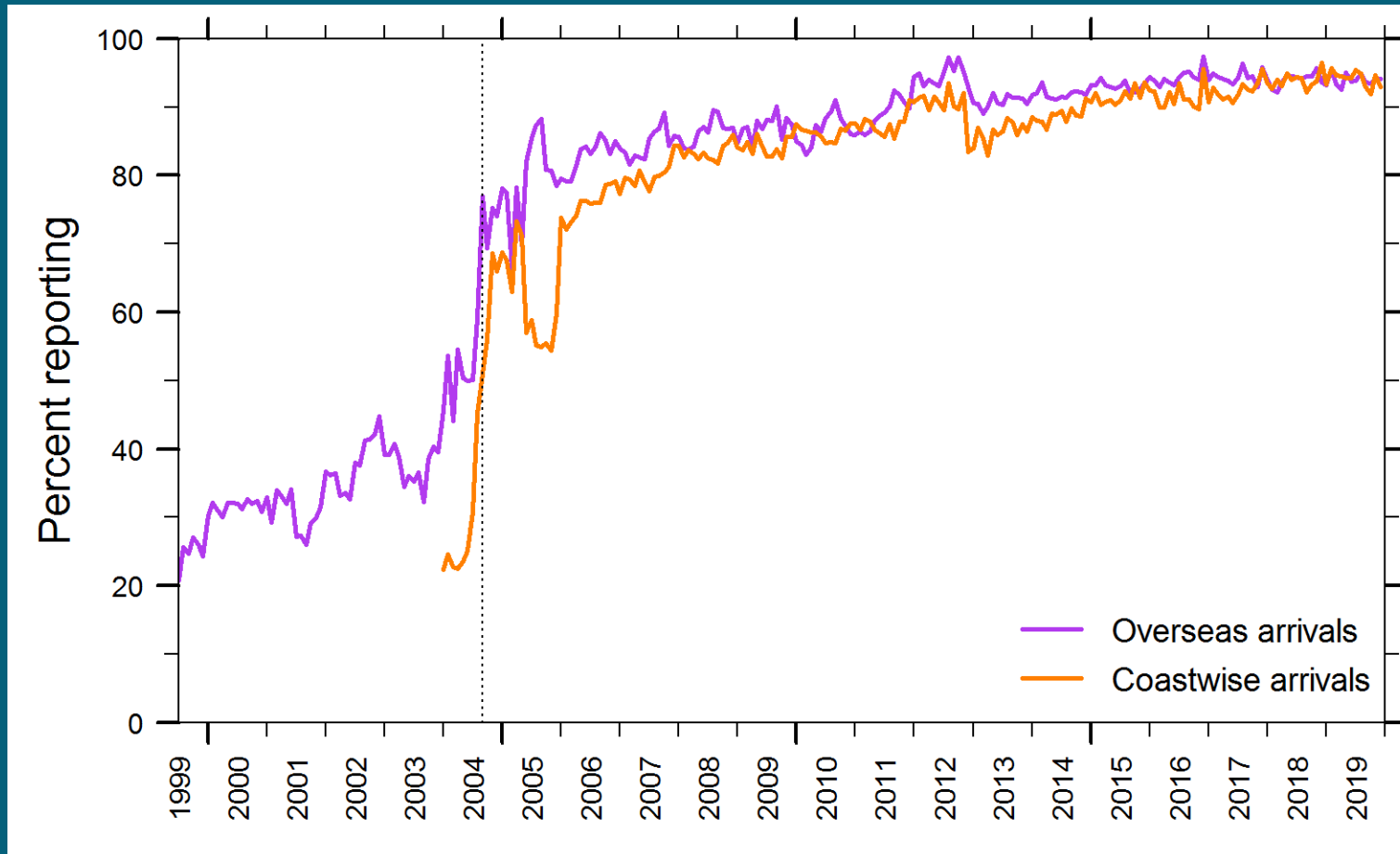


- Invasive species carried by vessels are harmful to the environment and economy
- Current BWM regulations enforced, until VIDA implementing regulations in effect.
- Compliance/enforcement similar to other pollution prevention and control requirements.
- Vessel-specific BWM Plans should address contingencies for when preferred management method is not available.



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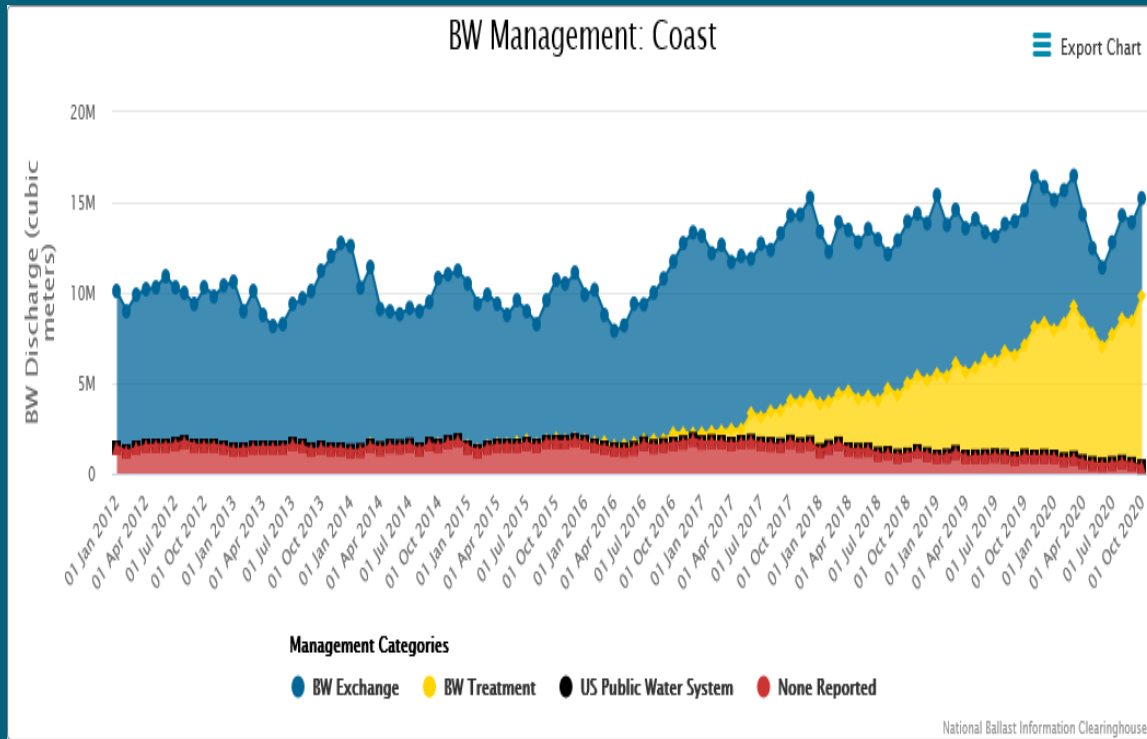
Compliance with BW Reporting Requirement is High



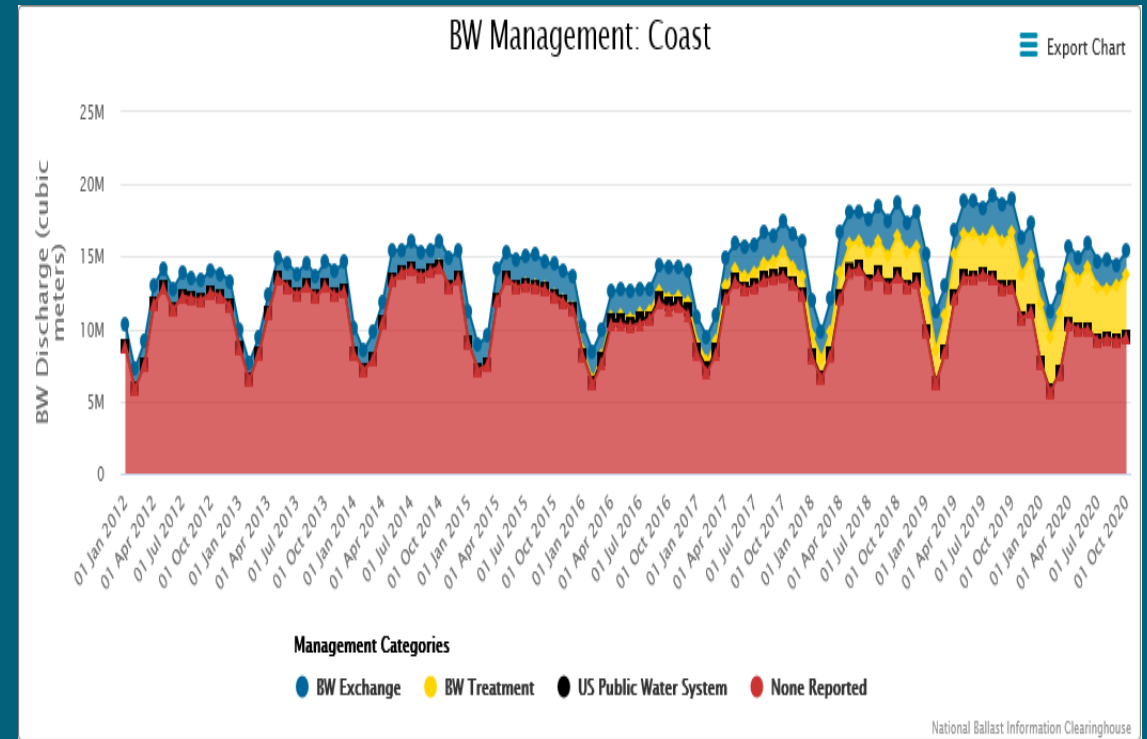
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Management of BW is Increasing

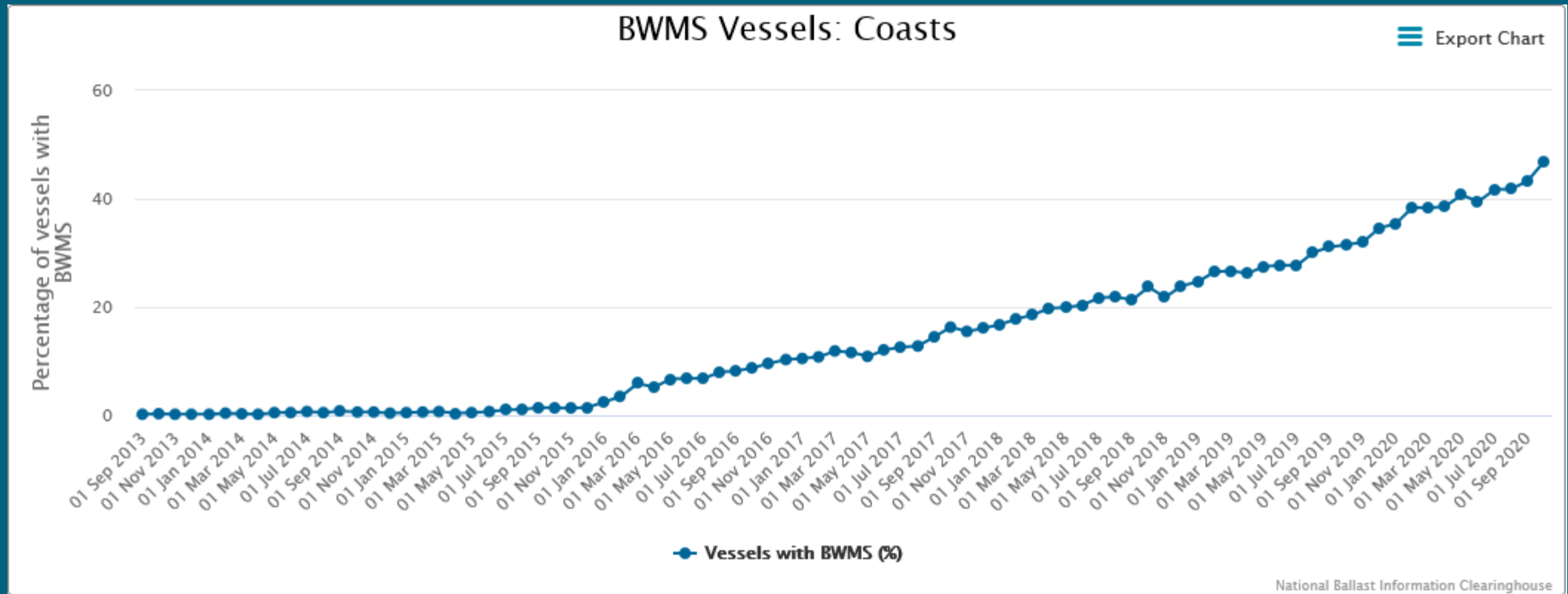
Overseas



Coastwise

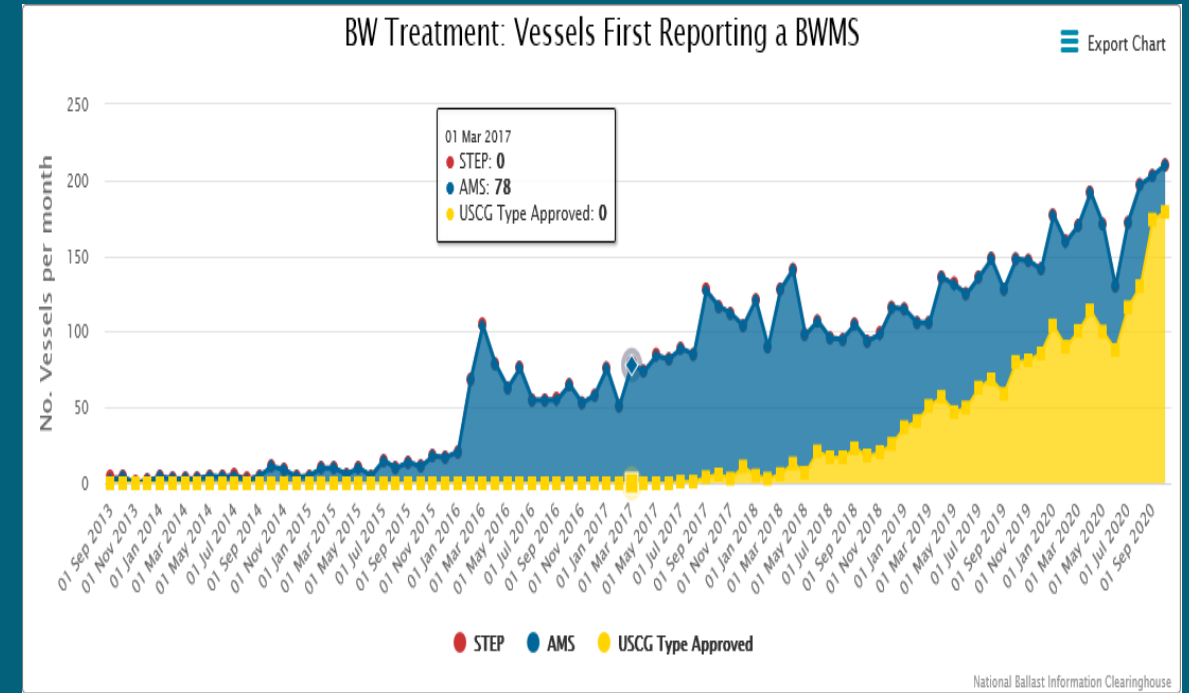
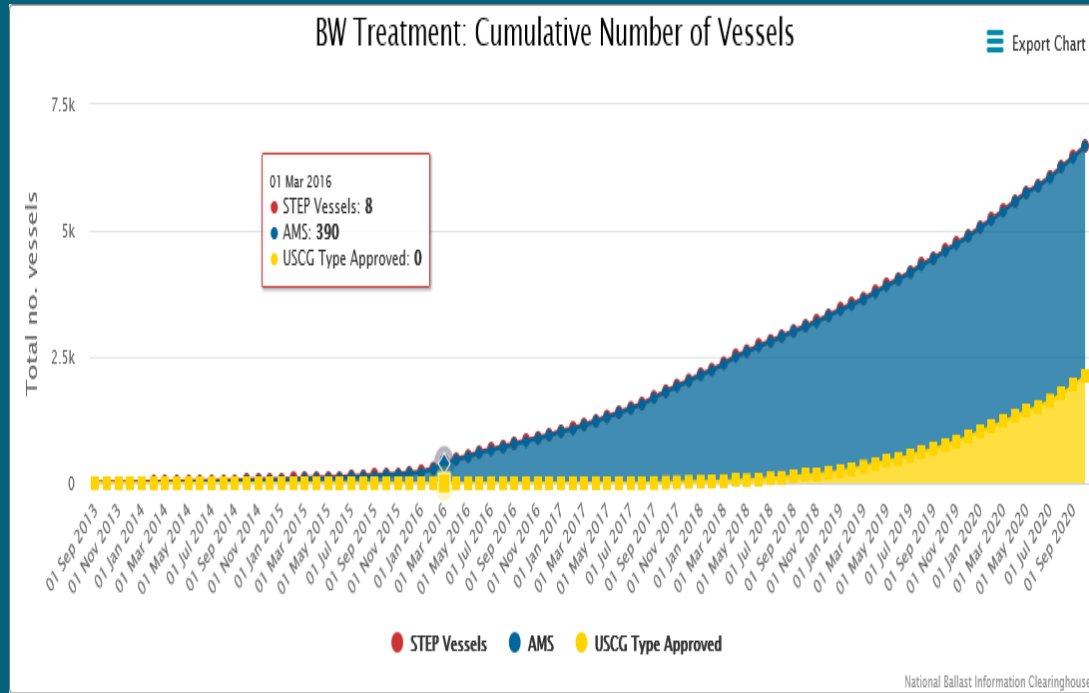


Percentage of vessels with installed BWMS is increasing



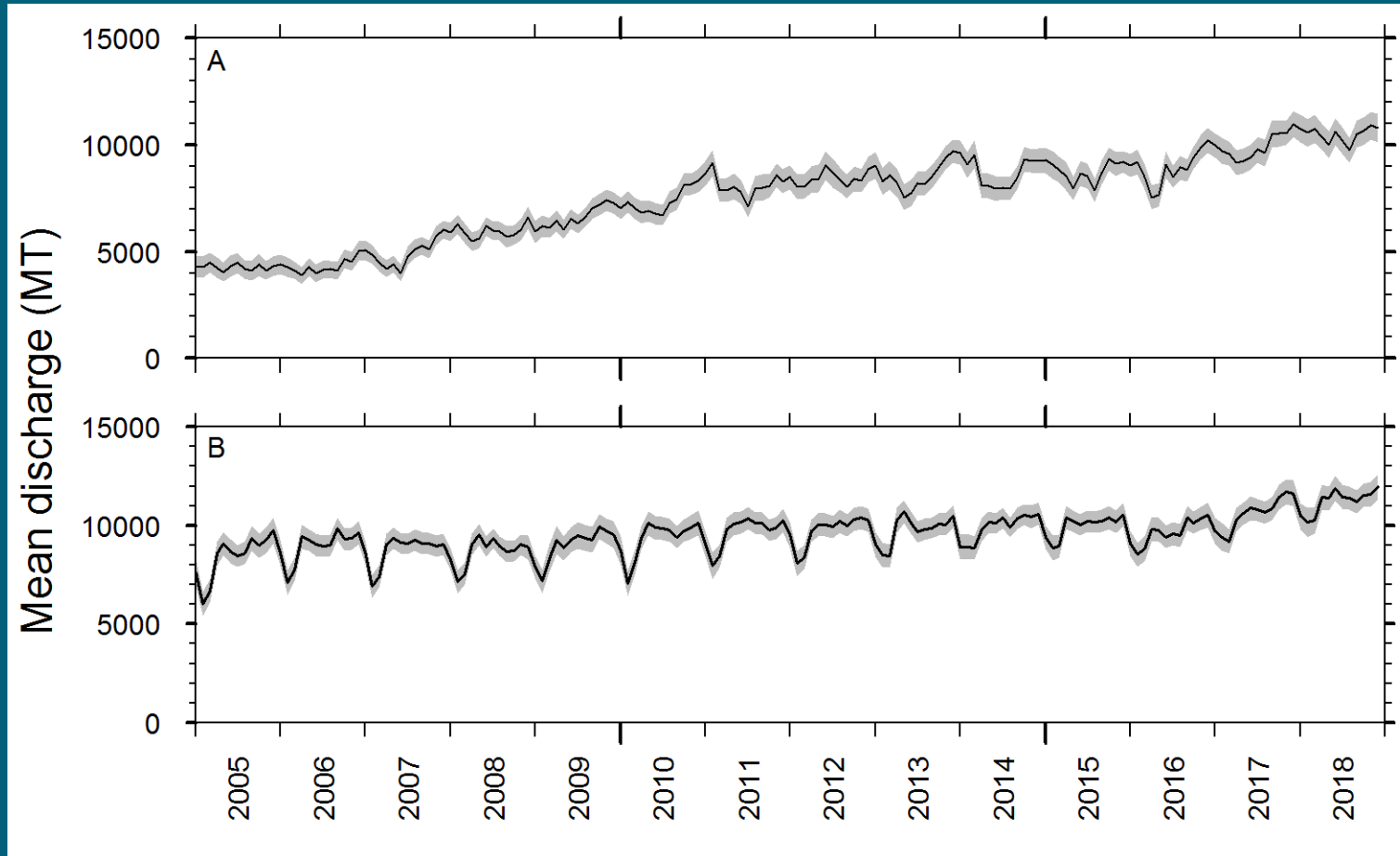
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Installation of U.S. Type Approved BWMS is Increasing



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Total Volume of BW Discharged to U.S. Waters Increasing



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Extensions to Vessel Compliance Date

- Coast Guard has issued about 11,600 active extensions, with most expiring by the end of 2023.
- VIDA does not include a statutory mandate to continue to grant extensions.
- Coast Guard will re-evaluate need for extensions when promulgating VIDA regulations.



Extensions: Current Policy

NVIC 01-18/March 2018/General

- Applicant must document that compliance with BWM requirements is not possible.
- Vessel with an installed AMS is not eligible for an extension*.
 - Not granted to vessels that plan to install an AMS.
- Requests at least 12 months prior to a vessel's compliance date, but not more than 18 months in advance.
- No longer than minimum time needed for vessel to comply.
 - Less than 12 months from vessel's original compliance date.
 - No longer extended to next scheduled drydock date.



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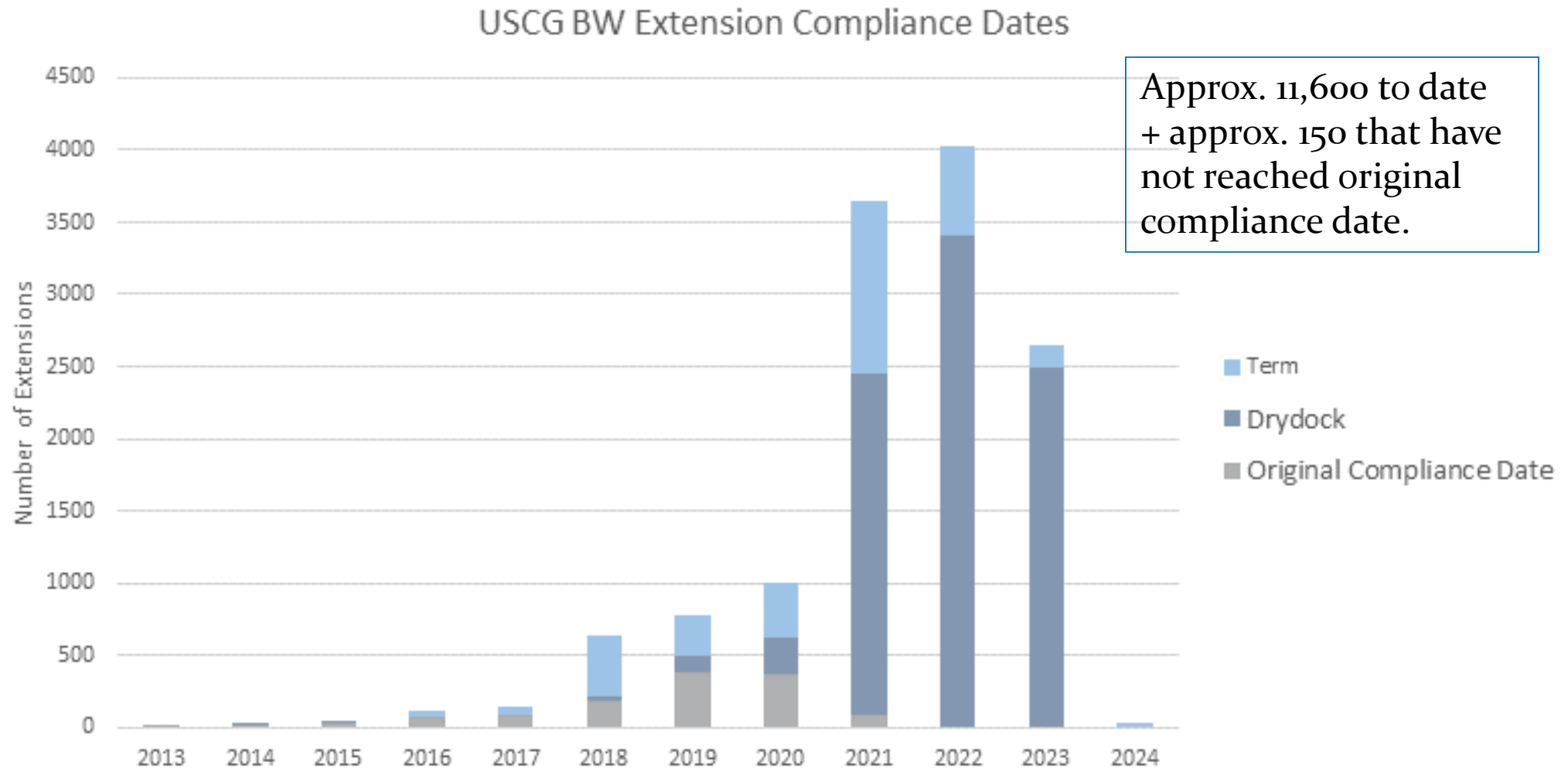
Extensions: Current Policy

MSIB 14-20/April 2020/Covid-19 Adjustments

- Compliance dates extended up to 12 months upon request.
 - Identify vessels, but no supporting documentation needed.
 - Not an interim extension – don't expect additional time to accommodate operational or regulatory schedules.
- Conversion of AMS to U.S. type-approved BWMS not completed due to pandemic disruptions:
 - May continue operating AMS under 33 CFR 151.2026(c) until conversion can be accomplished.
 - extension longer than 12 months - details and third-party verification(s) that previous plans not possible.



Extensions to Date



Alternate Management Systems

No. Models = 56

| Year | Accepted* | New Manufacturers |
|------|-----------|-------------------|
| 2013 | 29 | 26 |
| 2014 | 32 | 16 |
| 2015 | 14 | 5 |
| 2016 | 21 | 5 |
| 2017 | 13 | 2 |
| 2018 | 6 | 0 |
| 2019 | 8 | 0 |
| 2020 | 1 | 0 |

* Includes new and revised



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Research and Development

- Compliance Assessment Methods and Tools (Naval Research Lab)
 - Validation Protocols (coordinating with Marad and ACT)
 - ✓ ICES TIMES Vol. 63, 2020 (available under publications at www.ices.dk)
 - ✓ ISO (Standard No. 3725 draft)
 - Evaluation of commercially available compliance assessment tools
 - ✓ Delayed by Covid-19 pandemic
 - ✓ Earlier assessments: <http://www.act-us.info/evaluations.php>
- Focal Port Sentinel Site Surveys (coordinating with Smithsonian)
 - Standard surveys provide for comparisons over time
 - ✓ Organisms in ballast water: Pre-Management / BWE / BWMS
 - ✓ New invasive species (Plankton and Benthos)
 - Ches. Bay; Tampa Bay; San Francisco Bay; (Beginning - Great Lakes)



Other BWM Accomplishments

- Shipboard Technology Evaluation Program (Feb 2021)
 - Revised application for BWMS, for both prototype AMS and those in U.S. Type Approval testing.
- Policy Letters (Nov and Sep 2020)
 - Testing alternate components: filters first, more to come
 - Multiple IL guidelines for Type Approval testing
- New NBIC Reporting Form approved by OMB (Jul 2020)
- Extension letters for Covid-19 disruptions (Apr 2020)



Outreach to stakeholders



Maritime Commons Blog: <https://mariners.coastguard.blog/>

- MSC Type approval announcement
- OES Policy Letters
- OES-Marine Safety Information Bulletins (MSIB)
- Commentary
- Rule-making activity



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Any BW Questions?

Operating & Environmental Standards (OES)
environmental_standards@uscg.mil
<http://www.dco.uscg.mil/OES>

Marine Safety Center (MSC)
msc@uscg.mil
<http://www.dco.uscg.mil/MSC/Ballast-Water/>

Commercial Vessel Compliance (CVC)
cgcvc@uscg.mil
<http://www.dco.uscg.mil/CVC>



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Vessel Incidental Discharge Act

Coast Guard Responsibilities:

1. Coordination with EPA on establishment of EPA discharge standards
2. Implementation of EPA Discharge Standards
 - a. Implementation, Compliance and Enforcement Requirements
 - b. VIDA: No less stringent than current VGP parts 3, 4 and 5 regarding ensuring, monitoring and enforcing compliance.
 - c. Need to conduct economic and environmental analyses (e.g., NEPA)
 - d. Drafting on basis of EPA NPRM; refine after EPA Final Rule



VIDA (cont.)

3. Viability Policy Letter
 - a. VIDA: Describe methods, if any, for enumerating “viable” organisms on basis of best available science
 - b. Draft published: 31 July, 2019
 - a. Public Comment: 38 submissions; ~280 comments
 - c. Final currently in prep.
 - a. EPA comments incorporated
 - b. “Significant policy” determination: requires same administrative procedures as a new regulation
 - c. Describes process for evaluation of methods on the basis of Best Available Science



VIDA (cont.)

4. Report to Congress - Annual
 - a. Nationwide Status and Trends relating to:
 1. Ballast water delivery, management and compliance
 2. Invasions of aquatic nuisance species from ballast water.
 - b. In cooperation with:
 1. Aquatic Nuisance Species Task Force (ANSTF)
 2. Smithsonian Institution / SERC.
 - c. Status:
 1. USCG/SERC draft in CG review
 2. Submit to ANSTF for review



VIDA (cont.)

5. Reporting and Enforcement Data Work Group
 - a. Develop process for sharing reporting, enforcement data with States
 - b. Currently focused on ballast water
 - c. Quarterly conference calls
 - d. Identified State representatives through outreach to Governors
 - e. Completed tasks
 1. State Access to Automatic Identification System (AIS)
 2. State access to NBIC ballast water management reports
 - f. In-progress: Discussion of federal-state coordination on enforcement of federal requirements



VIDA (cont.)

6. Intergovernmental Response Framework
 - a. In consultation with EPA, and in coordination with the inter-agency ANS Task Force
 - b. Establish framework for Federal, inter-governmental response to ANS risks from vessel discharges
 - c. Focus on setting up the appropriate inter-agency arrangements and communications for a coordinated response to introductions of ANS
 - d. In coordination with parallel EPA-led effort to establish a risk-assessment and response framework
 - e. Action pending discussion with Federal ANS Task Force.



Thank You

Any Questions?

Operating & Environmental Standards (OES)
environmental_standards@uscg.mil
<http://www.dco.uscg.mil/OES>

Marine Safety Center (MSC)
msc@uscg.mil
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