

AMANDA NEWSOM, PHD
VIDA BIOLOGIST

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WDFW VIDA Section

The VIDA Section

- ▶ Section Operations Review
- ▶ Data Program Review
- ▶ Strategic Planning

VIDA Section Daily Operations



Ballast Water Management Report GMI number 1625-0069 Exp. date: 31-July-2023

Vessel Information

Vessel name
ID number IMO number
Country of Registry Select country
Owner/operator
Type Select vessel type Gross Tonnage
Ballast water volume units Select units
Total ballast water capacity Number of tanks on ship
Onboard BW Management System
Last dry dock date

Voyage Information

Arrival port (port and state) Select state
Arrival date
Last port (port and country) Select country
Next port (port and country) Select country
Total ballast water on board Number of tanks in ballast
Number of tanks discharged

Certificate of accurate information

By checking this box, I attest to the accuracy of the information provided and that ballast water management activities were in accordance with the ballast water management plan required by CFR 151.2050(g).

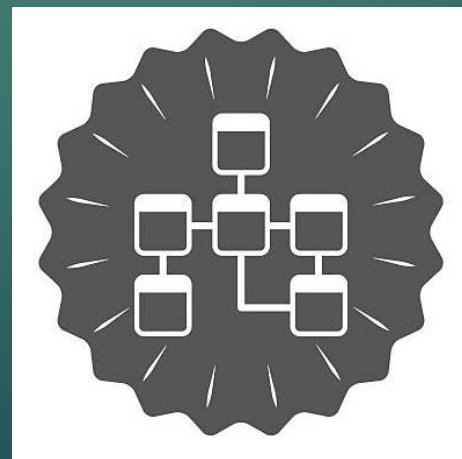
Responsible Officer's name and title
Report type Select report type
Submitted by Contact information

Ballast Water History

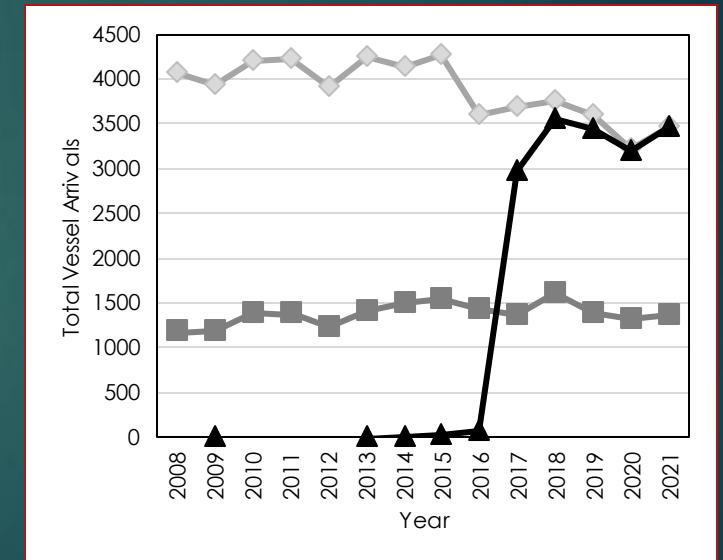
On the following page(s), provide the ballast water history for each tank discharged into the waters of the United States or to a reception facility, en route to or at the arrival port. Vessels entering the Great Lakes or Hudson River (north of George Washington Bridge) from beyond the US EEZ must also provide the history for empty tanks that underwent alternative management.

Data Collection and Entry

Vessel Tracking and Compliance Assessment



Database Management



Data Analysis

VIDA Section Daily Operations



Vessel Arrivals and Management Trends

		2022						
	Data source	First	Second	Third	Fourth	Total	Avg	Stdev
Total arrivals	Arrivals	788	953	1028	967	3736	934	103
Noncompliant arrivals	Arrivals	21%	18%	19%	16%	N/A	N/A	N/A
Discharging arrivals	Arrivals	329	326	303	390	1348	337	37
Unique discharging vessels	Discharging arrivals	246	232	196	284	958	240	36
Utilized BWMS	Discharging arrivals	236	248	303	345	1132	283	51
Discharge volumes (MMT)	Discharging arrivals	4.7	4.3	3.6	5	18	4	1
Vessel Inspections	Inspected arrivals	68	66	70	57	261	65	6
Percent boarded vessels (WDFW only)	Arrivals	9%	7%	7%	6%	N/A	N/A	N/A
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2022

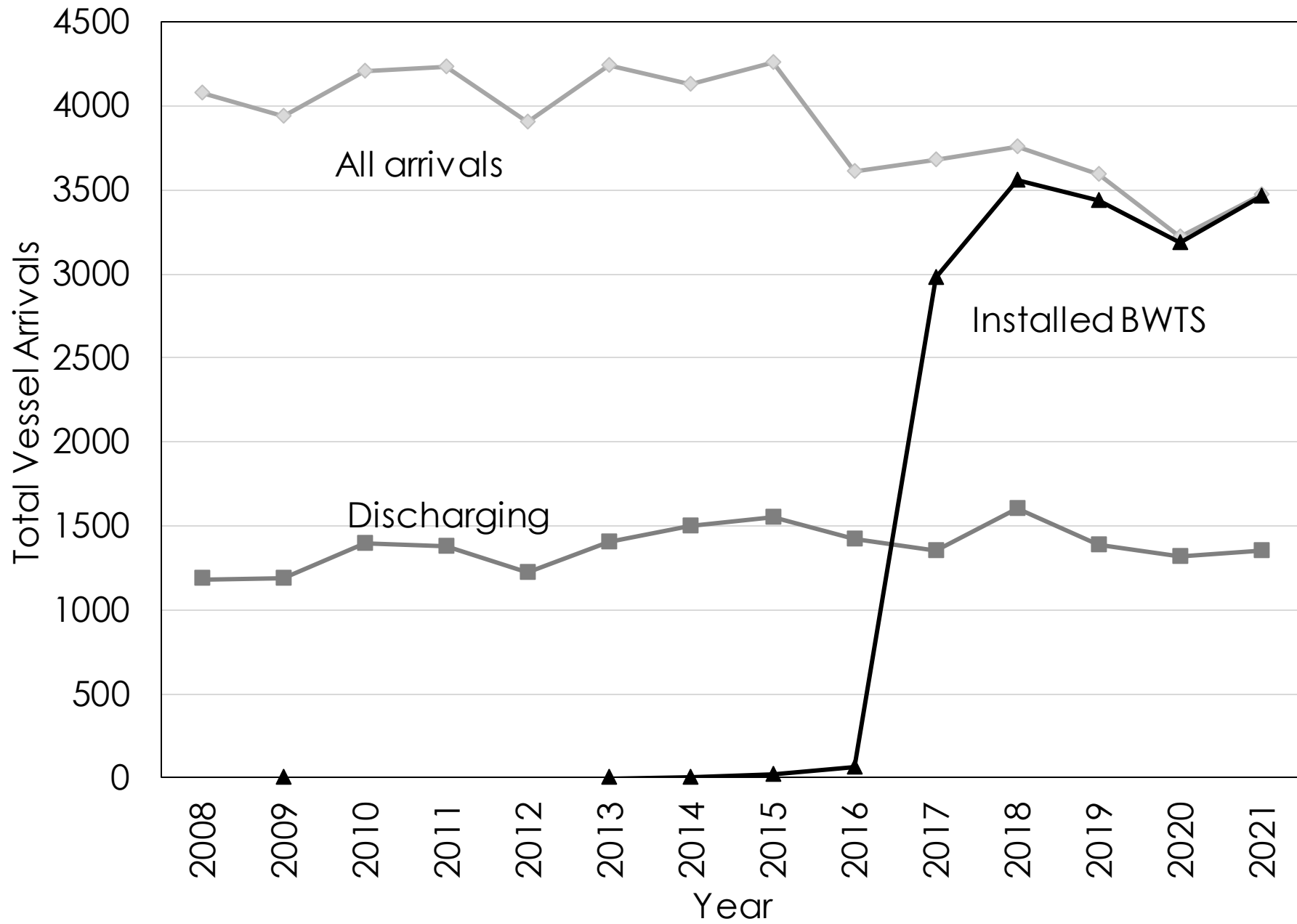
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End of PBWG Presentation

- ▶ Washington State Ballast Water Working Group
 - ▶ Wednesday 1pm
 - ▶ Data trends and strategic planning

Vessel Arrivals and Management Trends



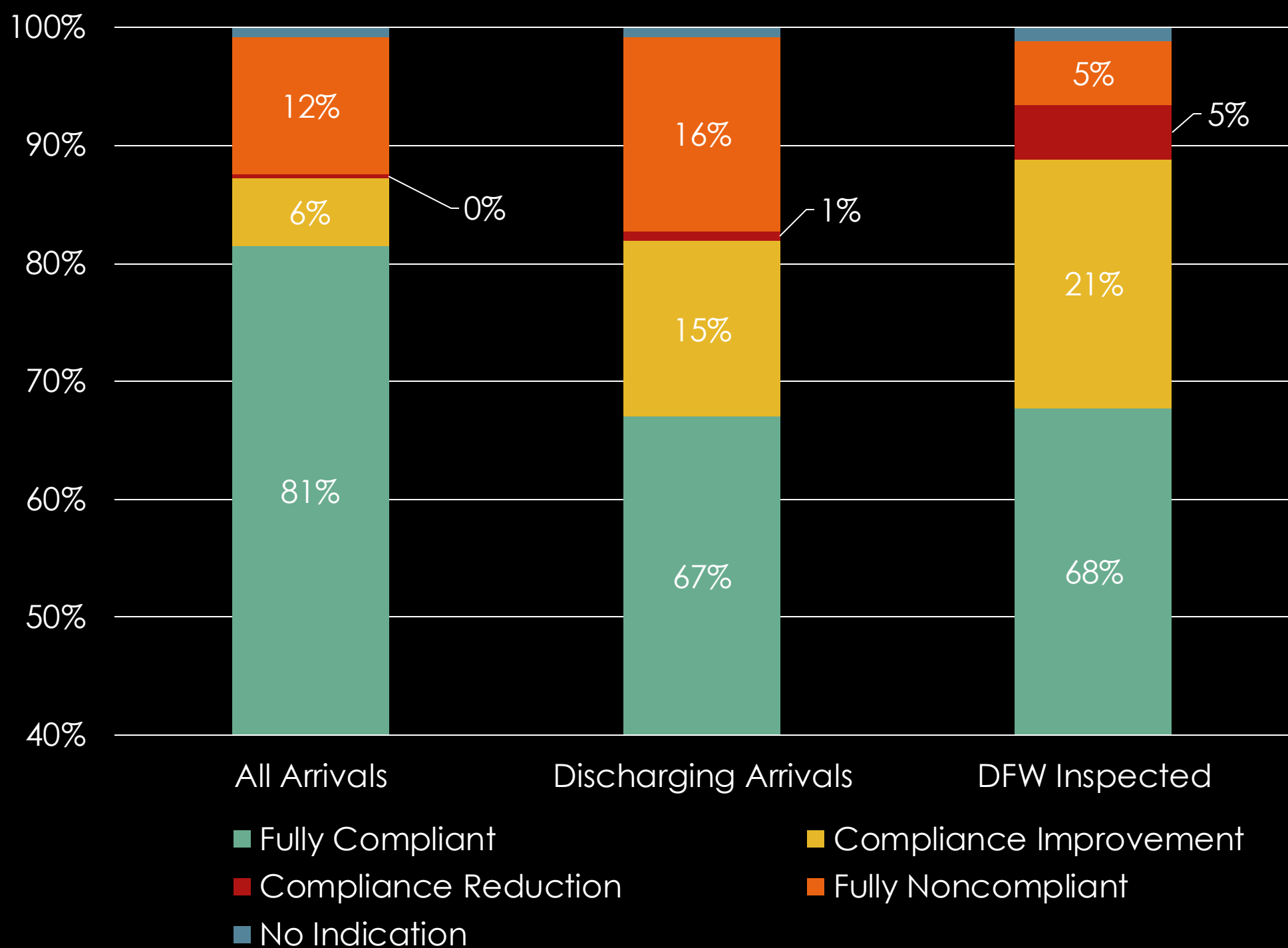
WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

SIX-YEAR STRATEGIC PLAN: BALLAST WATER MANAGEMENT

PREPARED FOR
WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
OLYMPIA, WASHINGTON

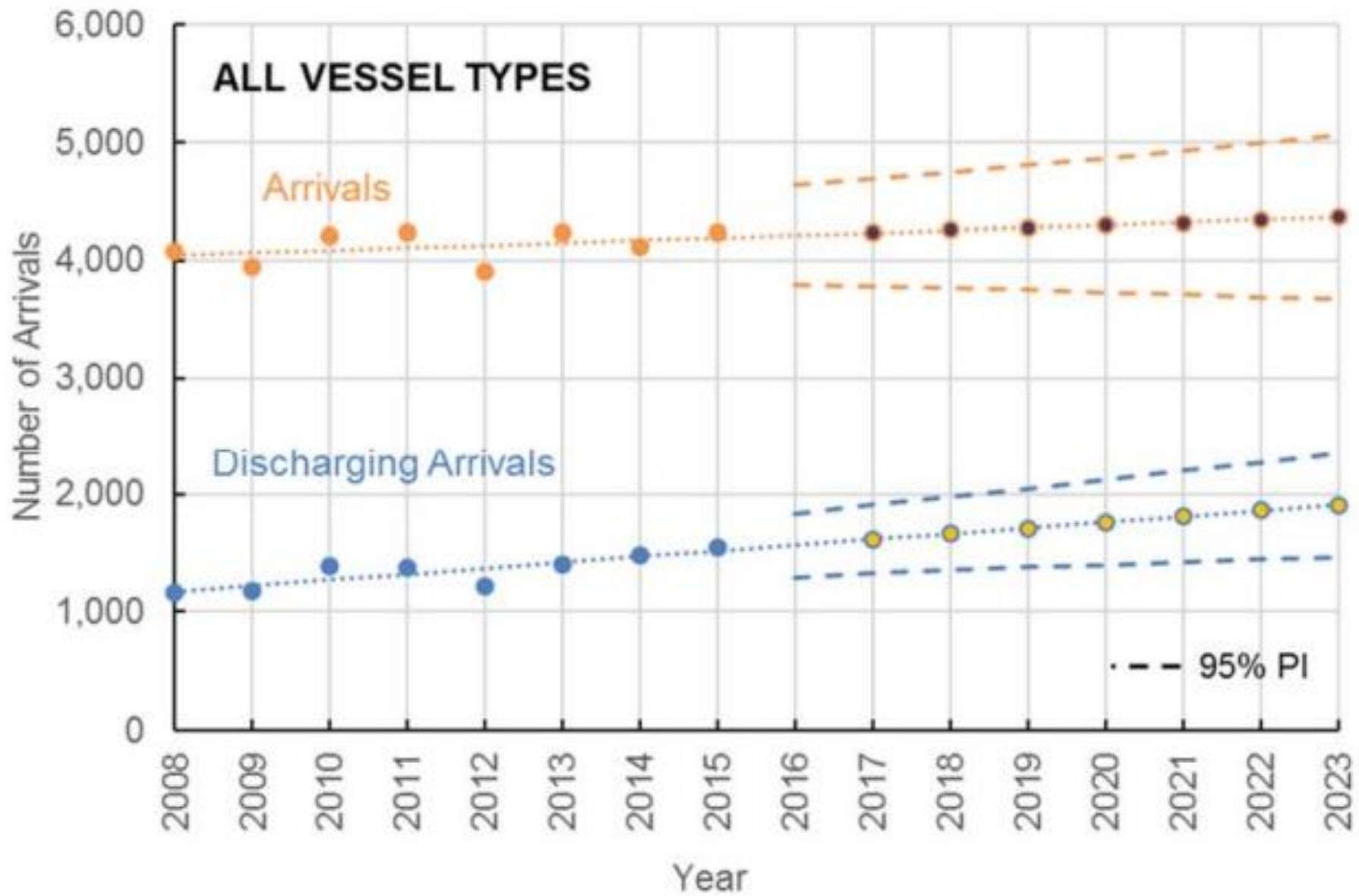
2017 Strategic Plan

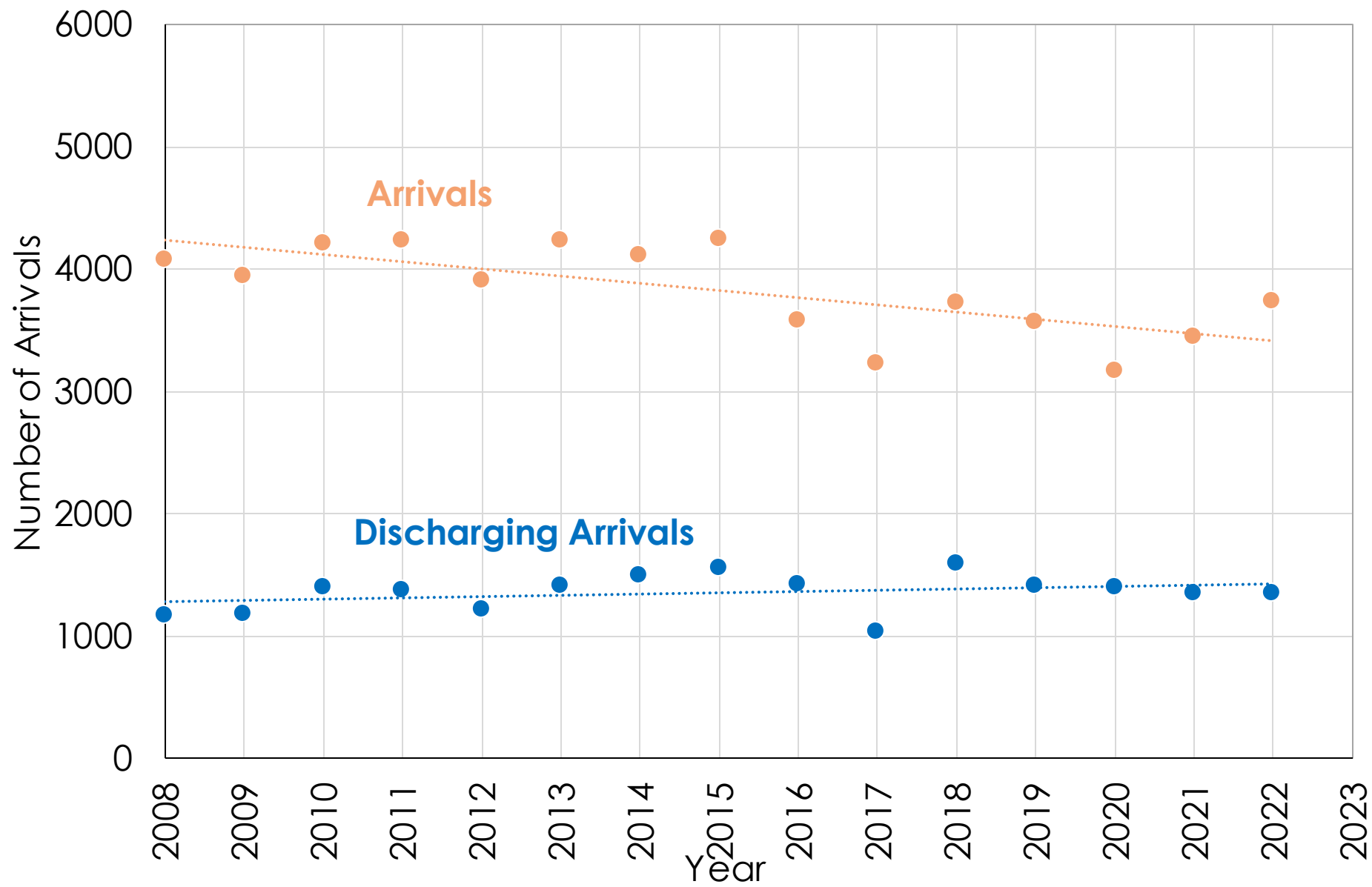
Data 2012-2015

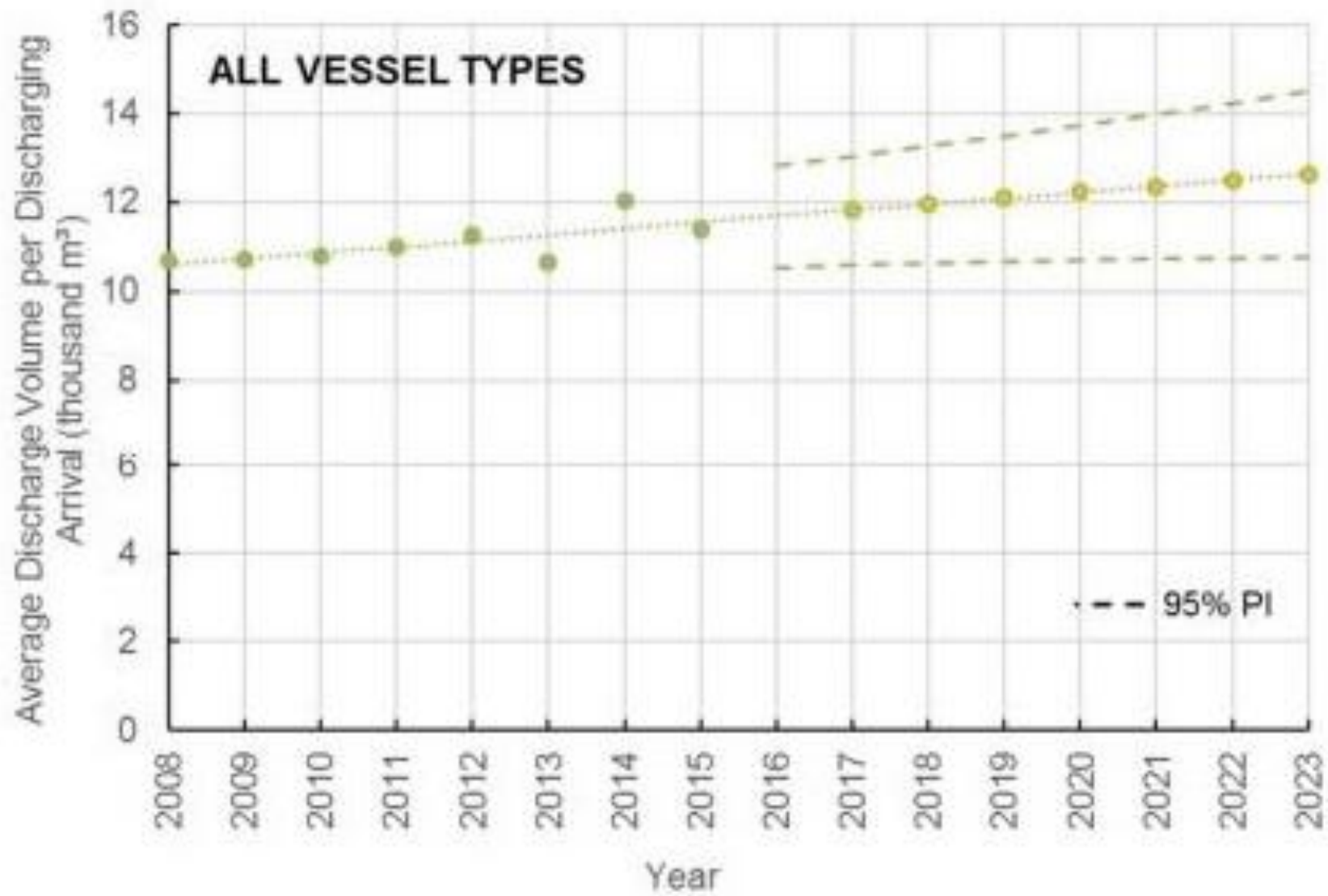


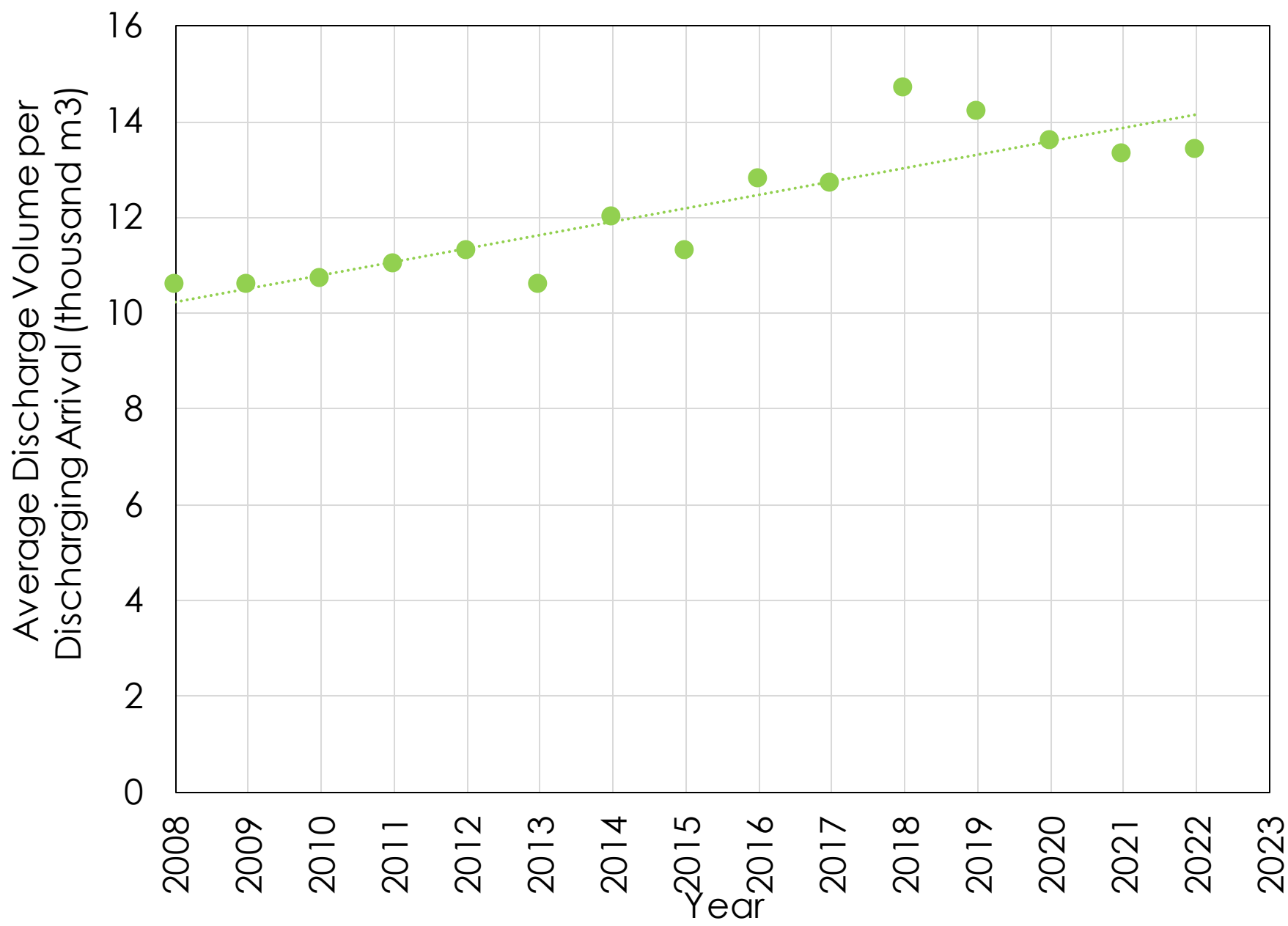
Data 2018-2022

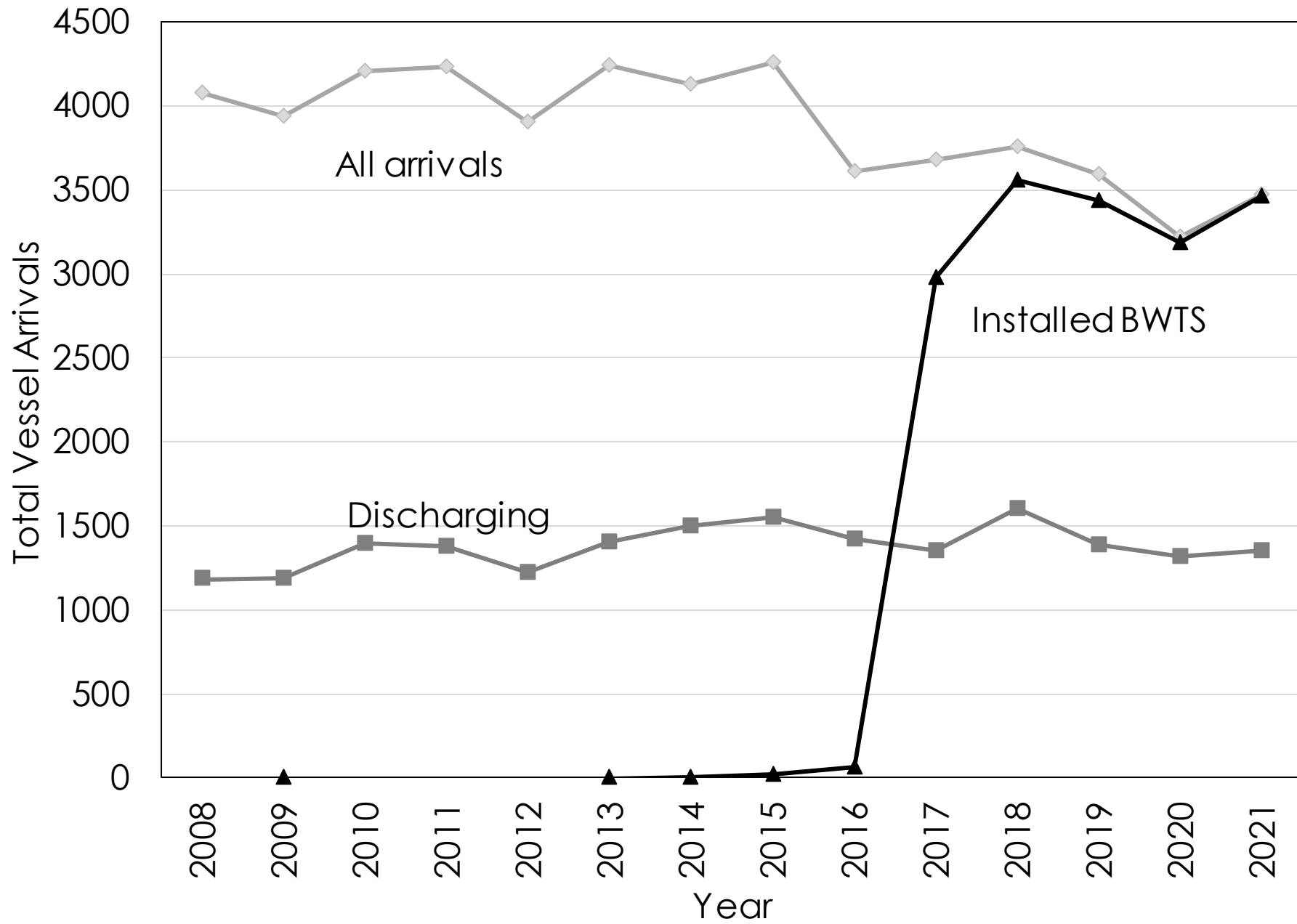












Goals from
2017 –

See handout



WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
**SIX-YEAR STRATEGIC PLAN:
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Action Plan: 2023-2025

▶ 2023 tasks

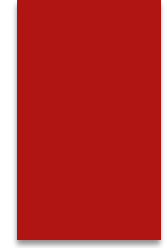


Action Plan: 2023-2025

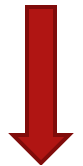
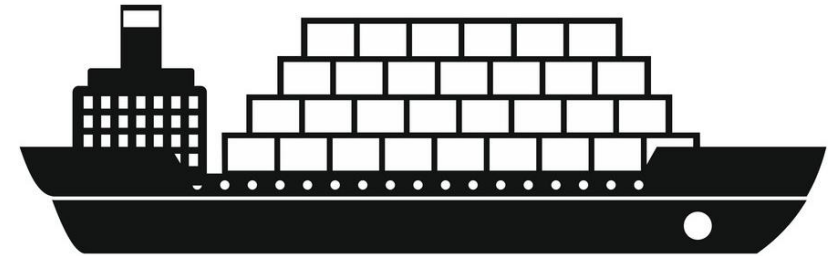
▶ 2023 tasks



Hiring and onboarding



Web-based
submissions



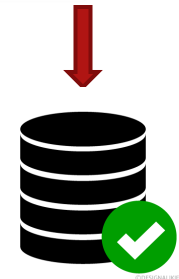
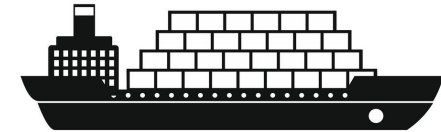
Action Plan: 2023-2025

▶ 2023 tasks



Hiring and onboarding

Web-based submissions



Evolve and adapt
BWTS inspection
elements



BWTS INSPECTION CHECKLIST – Non-Regulatory

Vessel Name:	Boarding Date (month/dd/yyyy): ____/____/____	IMO:
---------------------	------------------------------------------------------------	-------------

BWTS Operated: Yes No
System Operable: Yes No
Was Exchange Also Conducted: Yes No
USCG COTP Order allowing BWE Only: Yes No

Reason if Not Operable:
System Failure Yes No
Outside approval parameters Yes No

Comments:

BWTS Operational Review
Operating as AMS: Yes No
System in operation while inspector onboard: Yes No
Warnings/errors/alarms for discharge voyage Yes No If No, explain:

BW Uptake/Operation Met Parameters: Yes No Unable to locate

Parameter	Required value	Within acceptable range y/n
UV Dose		
Chem. Dose		
Flow Rate		
Salinity		
Turbidity		
Temperature		
Neutralization		
Other		

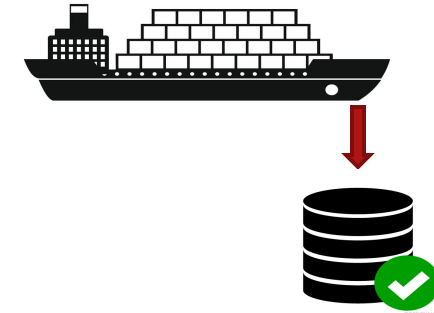
Action Plan: 2023-2025

▶ 2023 tasks



Hiring and onboarding

Web-based
submissions



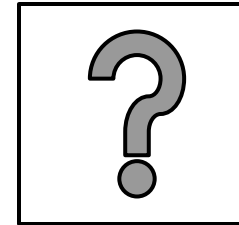
Evolve and adapt
BWTS inspection
elements

Improve on existing data collection and inspection

Action Plan: 2023-2025

► 2024 tasks

**Biofouling
Management
Strategy**

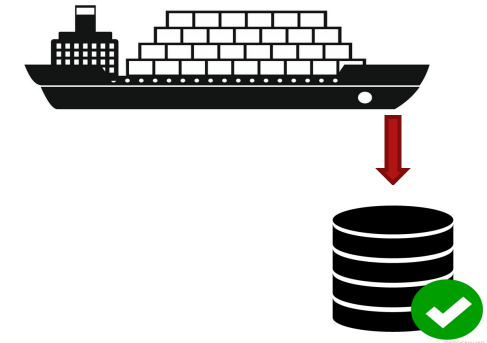
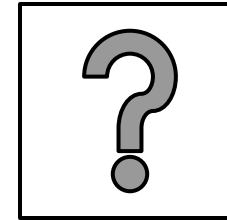


Ballast Water Sampling

Establish and expand compliance assessment programs

Action Plan: 2023-2025

▶ 2025 tasks



Implementation and review



Report and Action Plan

Dr. Amanda Newsom, Bio3, VIDA Section Biologist

- ▶ Amanda.Newsom@dfw.wa.gov
- ▶ Section operations, biology and regulatory questions