

LINA CEBALLOS-OSUNA

In collaboration with WA, OR and HI

Pacific Ballast Water Group | APRIL 2024



OBJECTIVES

DATA SUMMARY INTERACTIVE DASHBOARD

- Data sharing between Pacific States (CA, WA, OR, HI)
- Publish data for public use
- Share resources and skills
- Increase collaboration
- Identify data issues and program improvement opportunities



CALIFORNIA DATA SUMMARIES



- Since Nov 2022
- MISP Dashboard Hub-ArcGIS
- Published on MISP website

Q Search for Data, Documents, and Apps



Arine Invasive Species Program Home

ISP Reporting Portal

Approximate Port Locations

Sat Lias Cty

Q

Vessel Arrivals by Date

SP Data Summaries - Arrival Patterns

Container

Tank

BuA

Auto

Passenger

Euri

ATB

Unmarried Barge

General

Other

OSS

Tug

Arrivals by Vessel Type

Corquires Richmond San Diego Huarmane
Socidan El Segundo Avalon/Cutalina Sacramento Redsood Hursboldt Senta Barbana 0 10k 20k 3

Arrivals by Port

Los Angeles/Long Beac

PACIFIC STATES DATA SHARING

"PAC-DA-SH"



"SIMPLE" PROCESS

Each state extracts data, cleans it up and send it to CA quarterly.

CA merges and formats data for consistency

Upload to ArcGIS Dashboard hosted by CA

Publish on PSMFC website



PACDASH - Pacific States Data Sharing A collaboration between CALIFORNIA - OREGON - WASHINGTON - HAWAII INSTRUCTIONS: 2023 - Arrivals by Vessel Type 2023 - Arrivals by State Use the arrow in the middle left of the screen to expand filtering options. ATB/Barge/Tug In addition to the filtering options, you can also 2.5k 2.7k interact with the maps and the charts to visualize Auto specific data subsets. Bulk To reset applied filters, click a blank area of the chart CA Quarter 1 Container where a selection has been made. To download the data click the arrow icon at the Quarter 2 General 2023 - Arrivals OSS Quarter 3 Other Quarter 4 Passenger Tanker 24 5k 10k 15k Last update: 5 seconds ago ↓ Last update: 8 seconds ago Ballast Water Discharged Arrivals Arrivals by State Arrivals by Port 2023 - Monthly Arrivals Ballast Water Discharged by State Total Ballast Water Discharged CA **♣** 36.1M HI _ 316k OR Esri, GEBCO, Garmin | Esri, TomTom... Powered by Esri 2023 10M 20M Arrivals Ballast Water (Metric Tons) ↓ Last update: 8 seconds ago ↓ Last update: 8 seconds ago

- Arrival Patterns
- Ballast Water Patterns
- Downloadable files

- Vessel type
- Port
- State

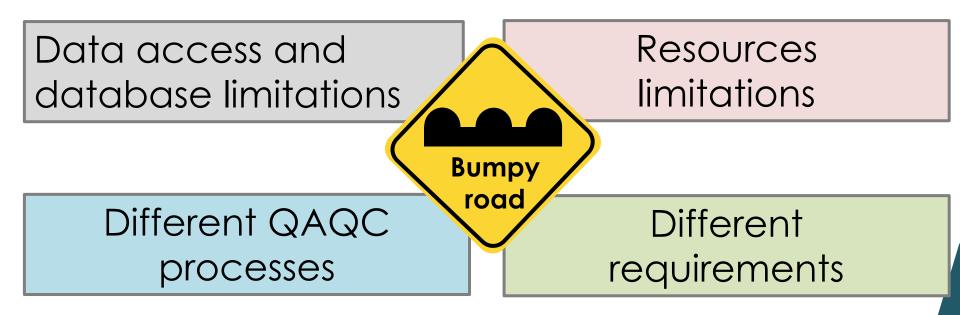
PACIFIC STATES DATA SHARING DASHBOARD



PACDASH



DATA ISSUES





WHAT'S NEXT:

Data extraction at State level

- Improve data quality
- Identify "fixable" issues
- Compatibility of databases
- Improve QA processes

Merging

- Streamline sharing process
- Minimal clean up

Add more data

- Connectivity patterns LPOC
- Compliance data
- Risk Environmental similarity

Lands Commission



THANK YOU & QUESTIONS

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