



# Ballast Water Program Update

## Oregon Department of Environmental Quality

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Pacific Ballast Water Group  
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# Outline

- I. Program Summary
- II. 2022 Summary Data
- III. Ongoing and Upcoming Projects

# Oregon Ballast Water Program



- Regulations established in 2001
  - Significant amendments in 2005, 2009, 2011 & 2017
- Program funding:
  - Initial funding level of 1.0 FTE (2007) was increased to 1.5 FTE following implementation of new fee in 2012
  - Supported by 50/50 cost share between fee revenue and GF allocation
- Program activities include;
  - Monitoring of vessel arrivals and pre-arrival reporting compliance
  - Outreach & technical support
  - Vessel inspections & compliance verification sampling
  - Enforcement actions
  - Policy development & stakeholder engagement

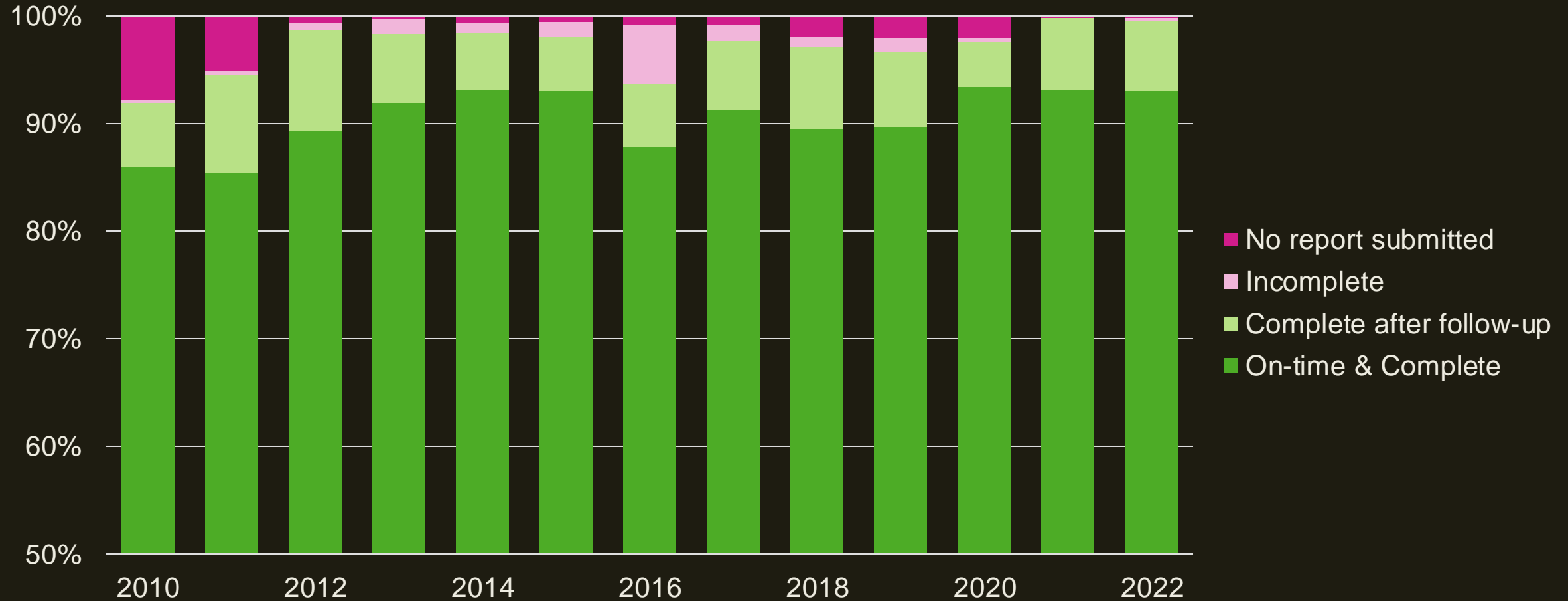
# Oregon Ballast Water Program



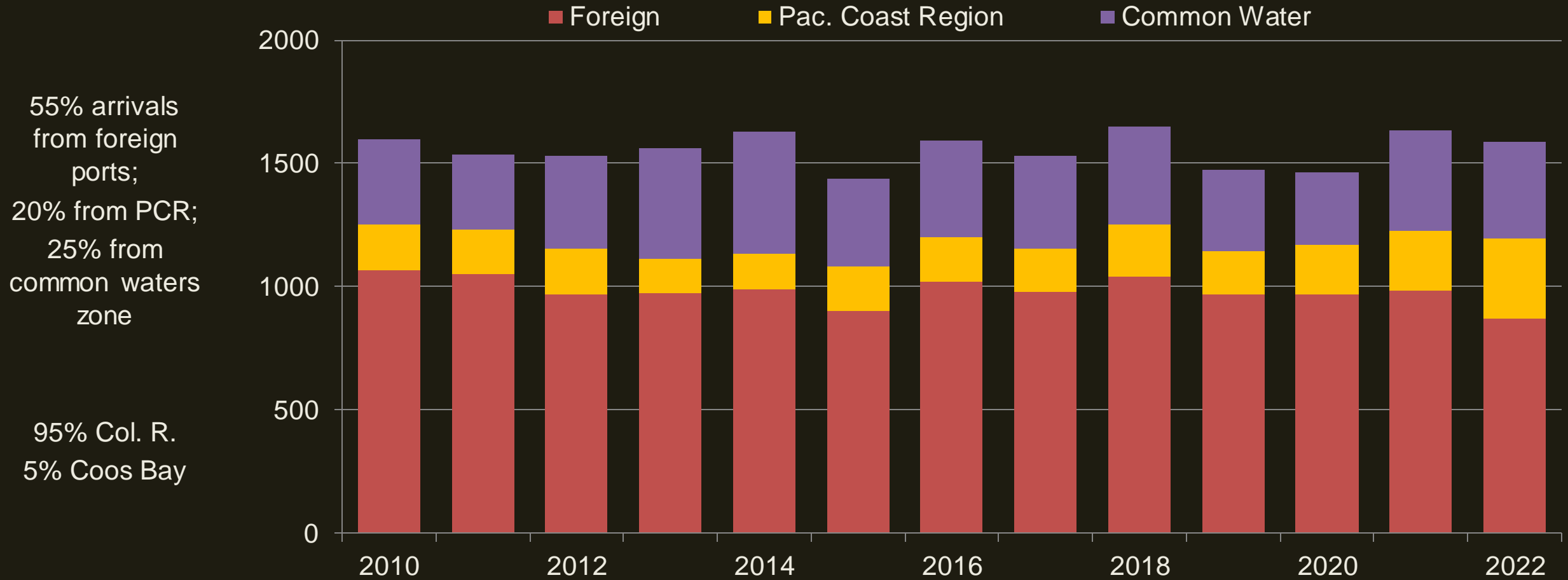
## Statutory Requirements (ORS 783.620-640; 783.990-992)

- Regulated Vessels:
  - > 300 gross tons and equipped with ballast tanks
- Reporting of Ballast Management:
  - at least 24 hours prior to entering waters of the state
- Management requirements for discharged ballast:
  - Mid-Ocean Exchange or Coastal Ocean Exchange
  - USCG-approved treatment
- Exemptions
  - Common Waters, and Safety of Vessel/Crew
- Penalty Issuance Authority
  - Civil and Criminal: up to \$25,000 penalty per violation

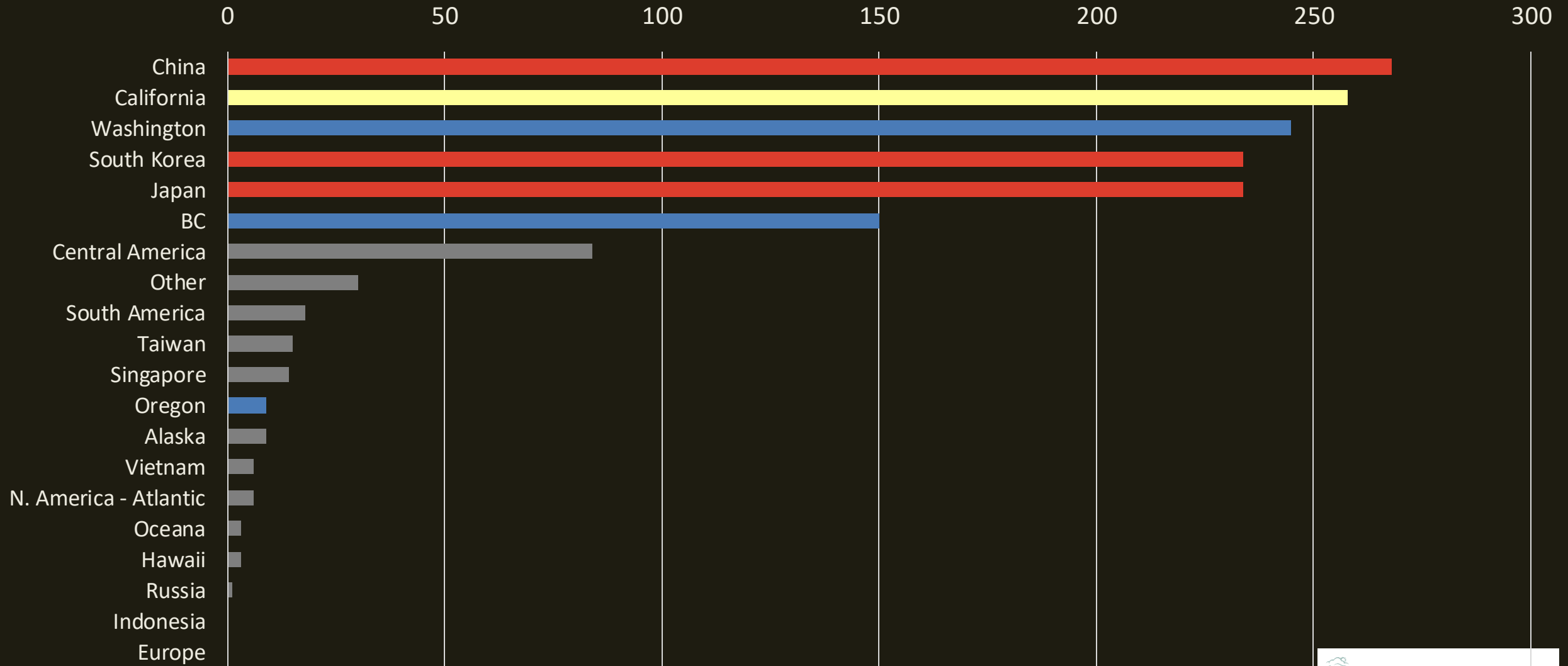
# Reporting Compliance



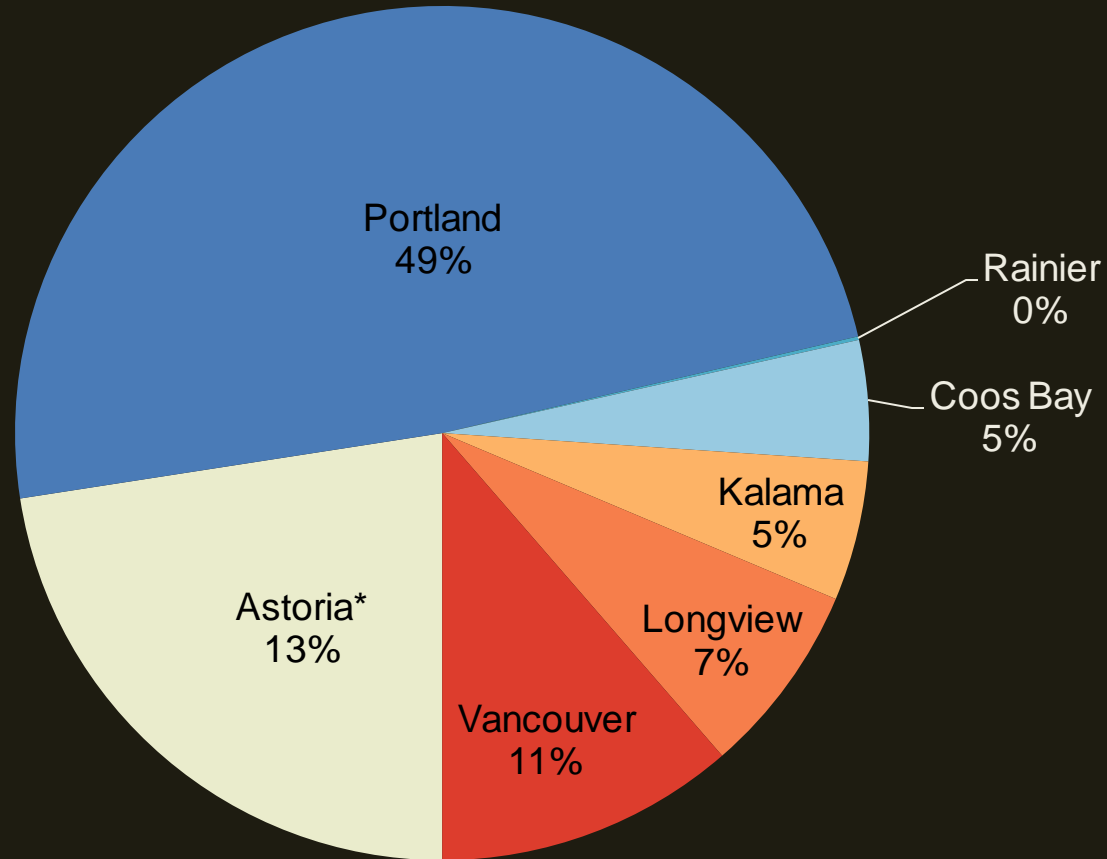
# Arrival Trends – Last Region



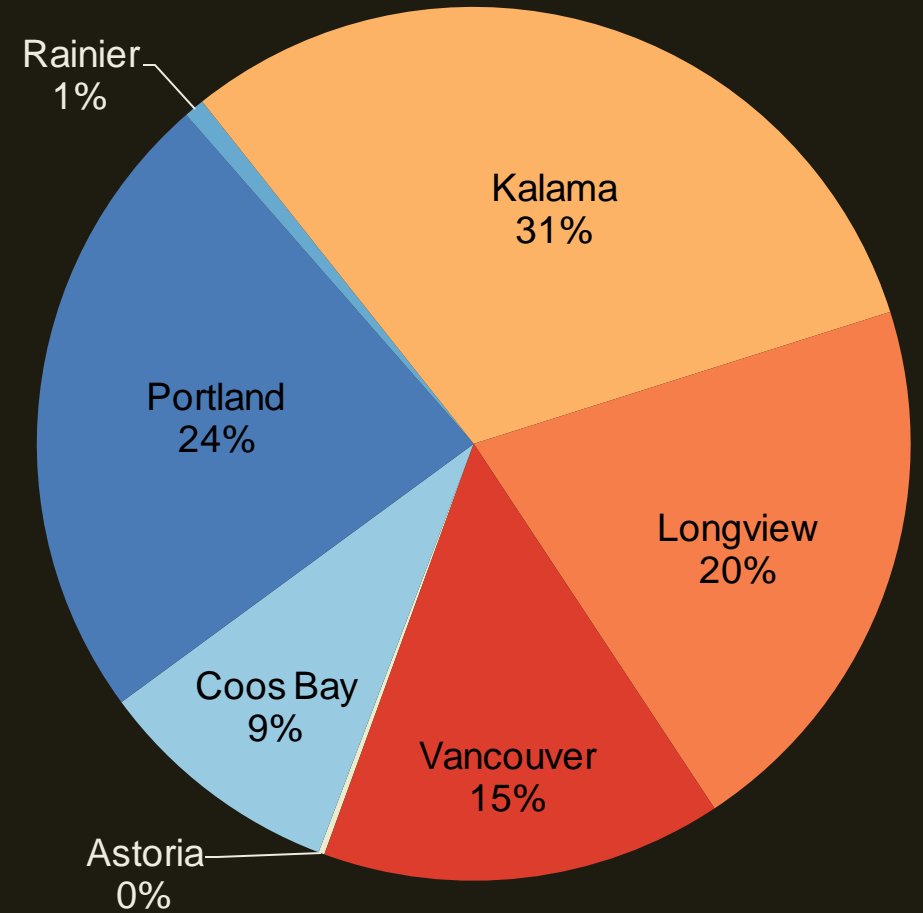
# 2022 Arrivals – Last Port



# Columbia River – Arrivals vs. Discharge



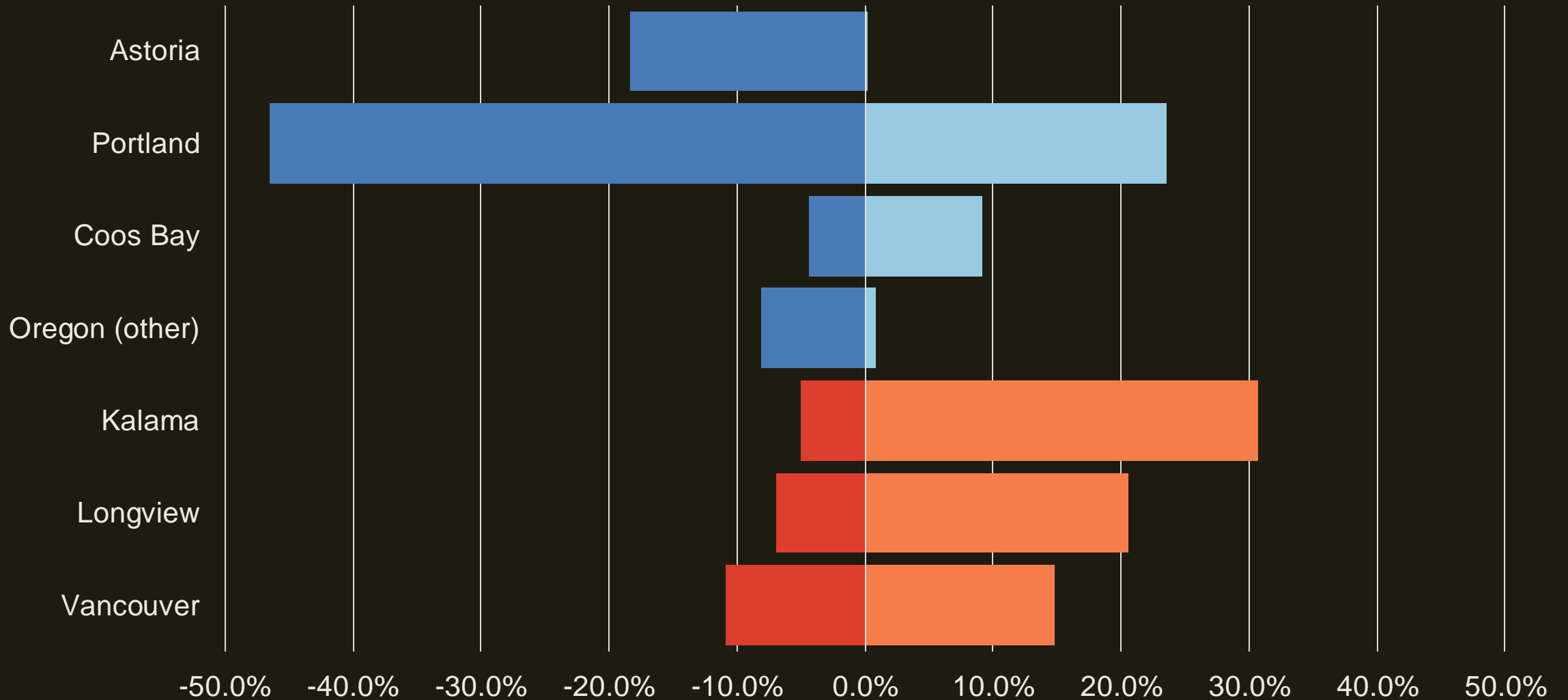
Arrivals



Discharge

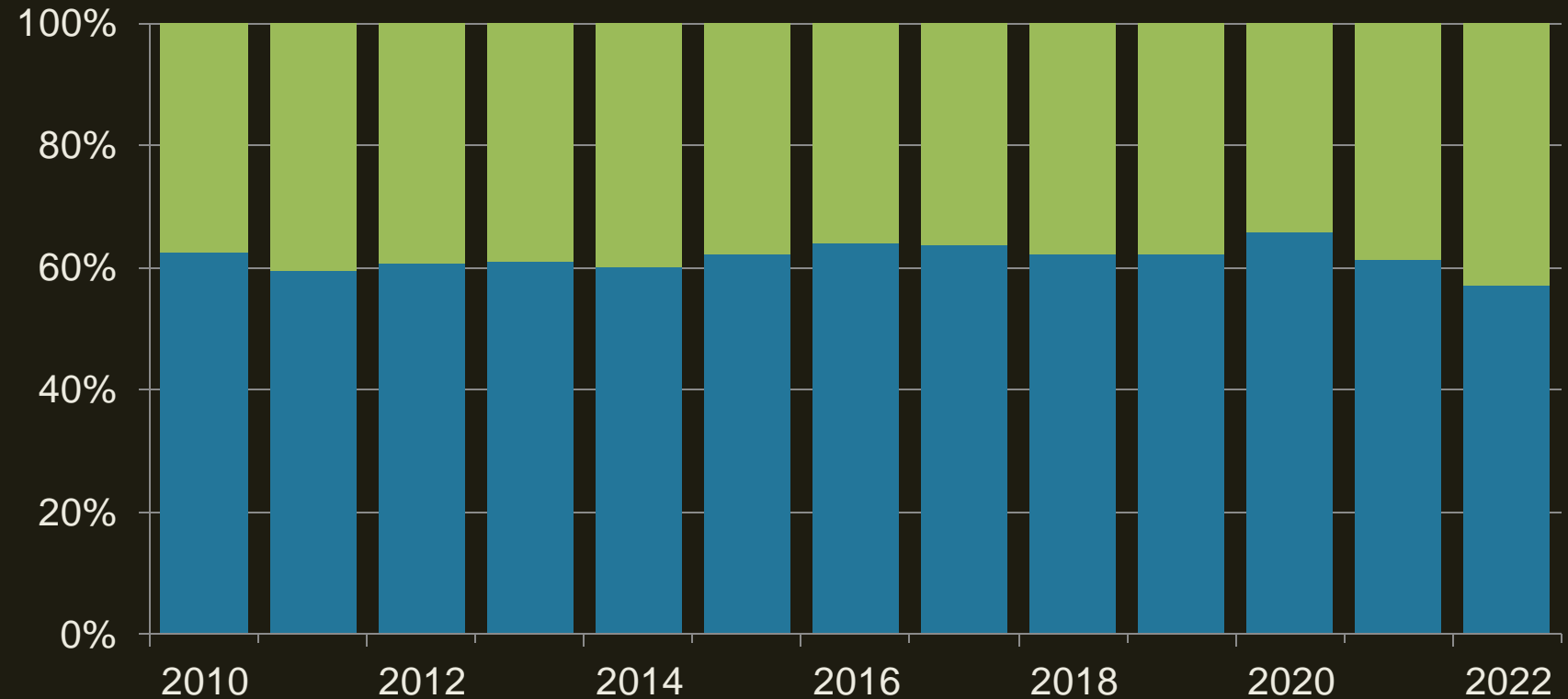
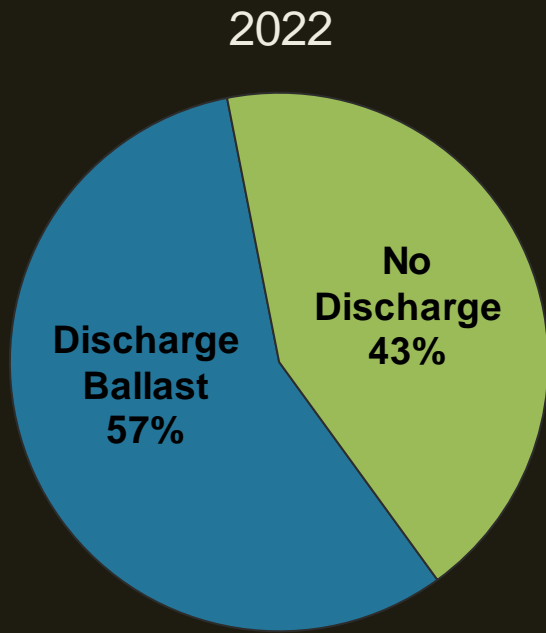


# Columbia River – Arrivals vs. Discharge

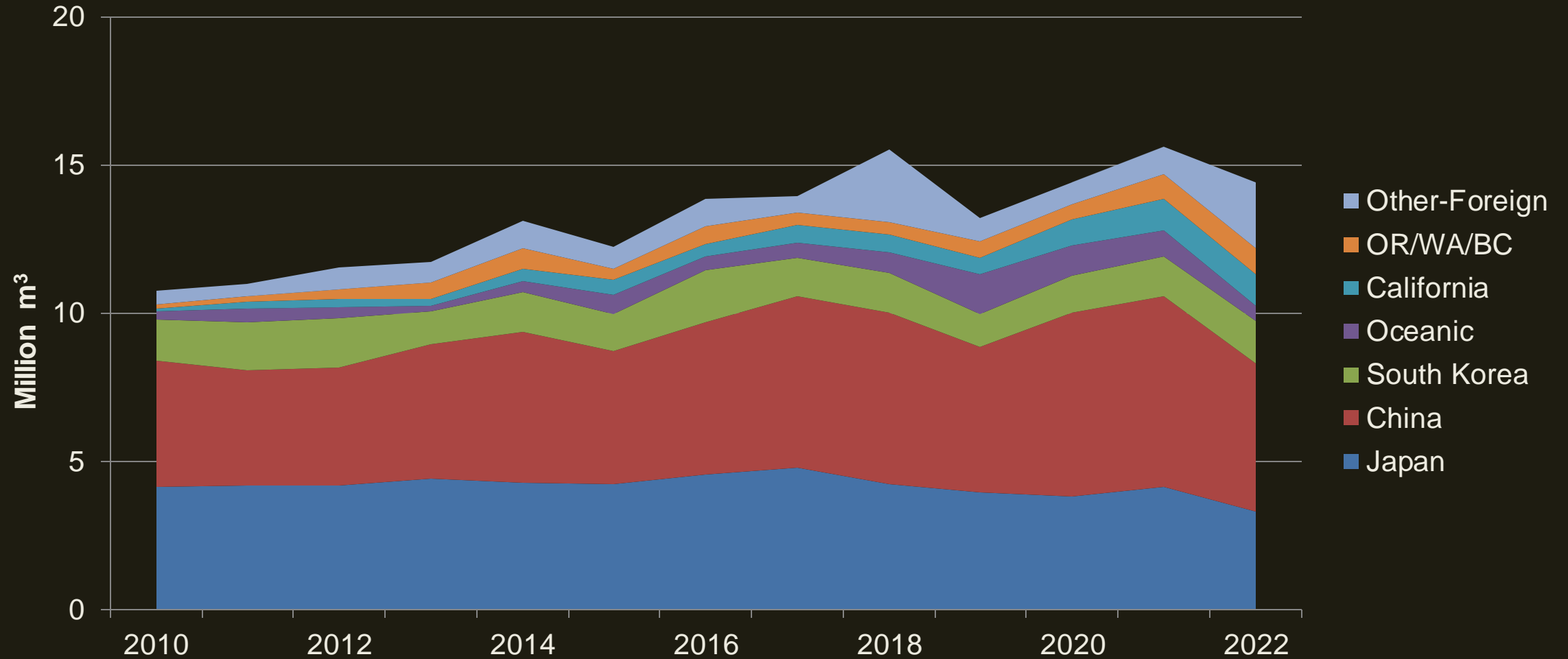


# 2022 Discharge Rate and Trend

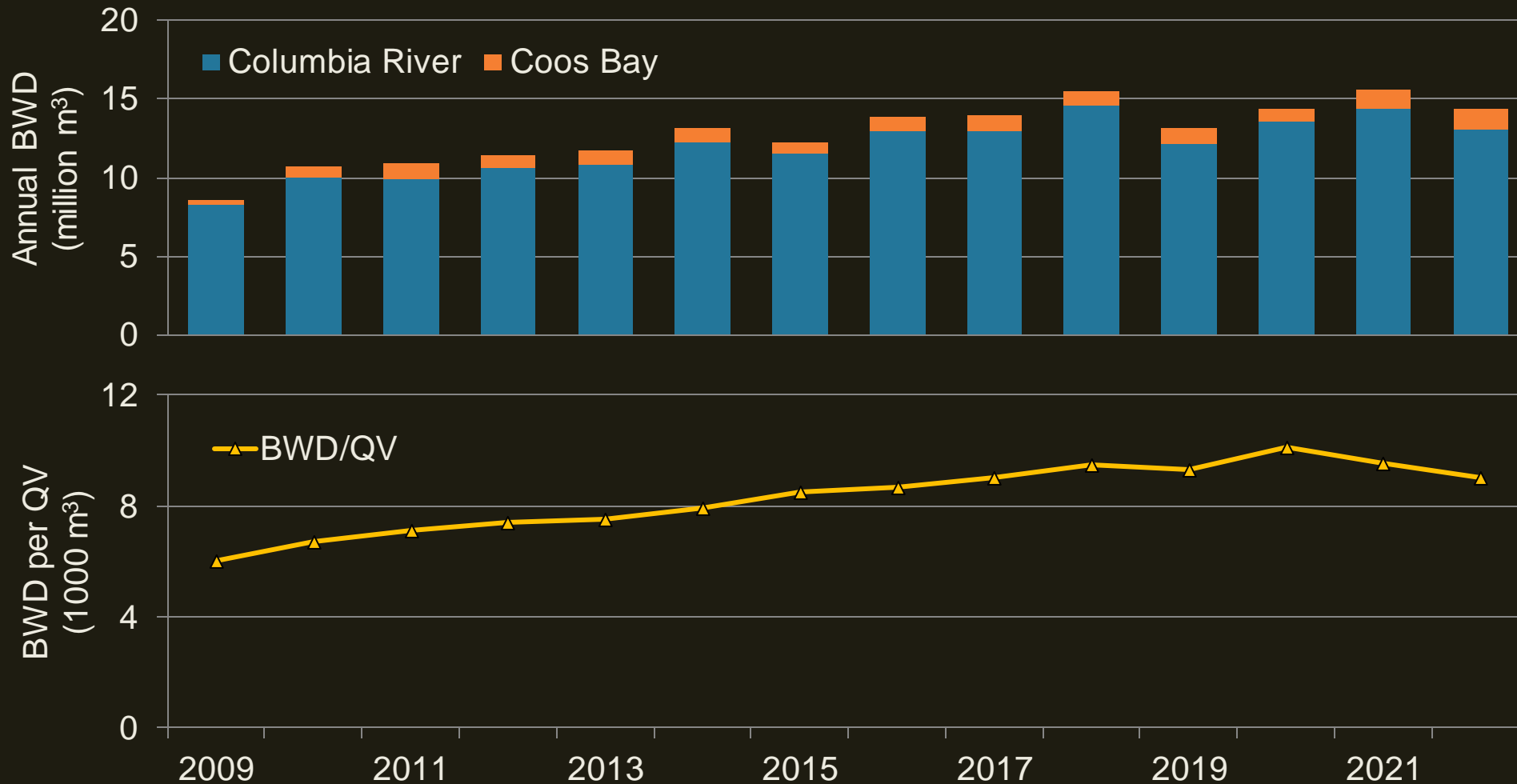
■ Discharge ■ Retain / No Discharge



# Discharge Trend - Source



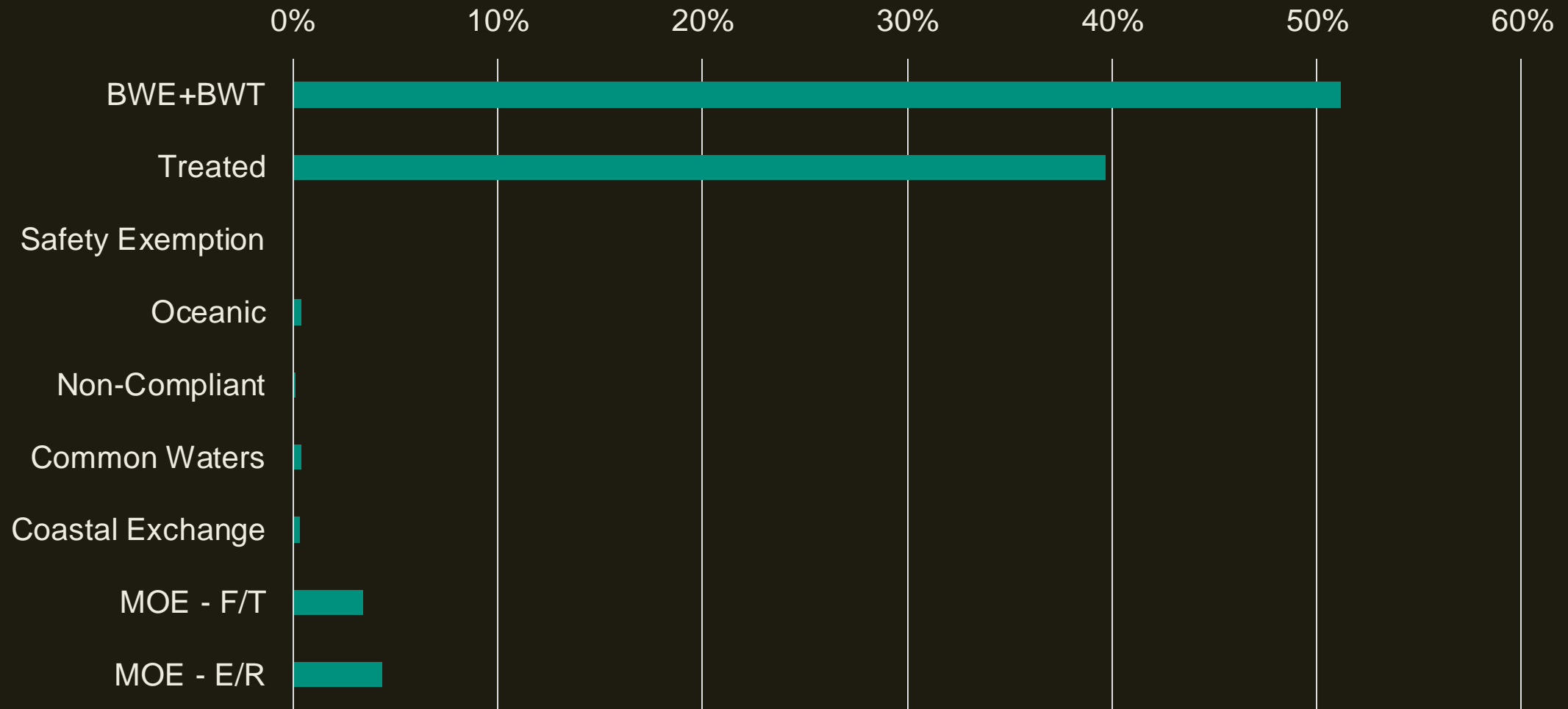
# Discharge Trends - Oregon



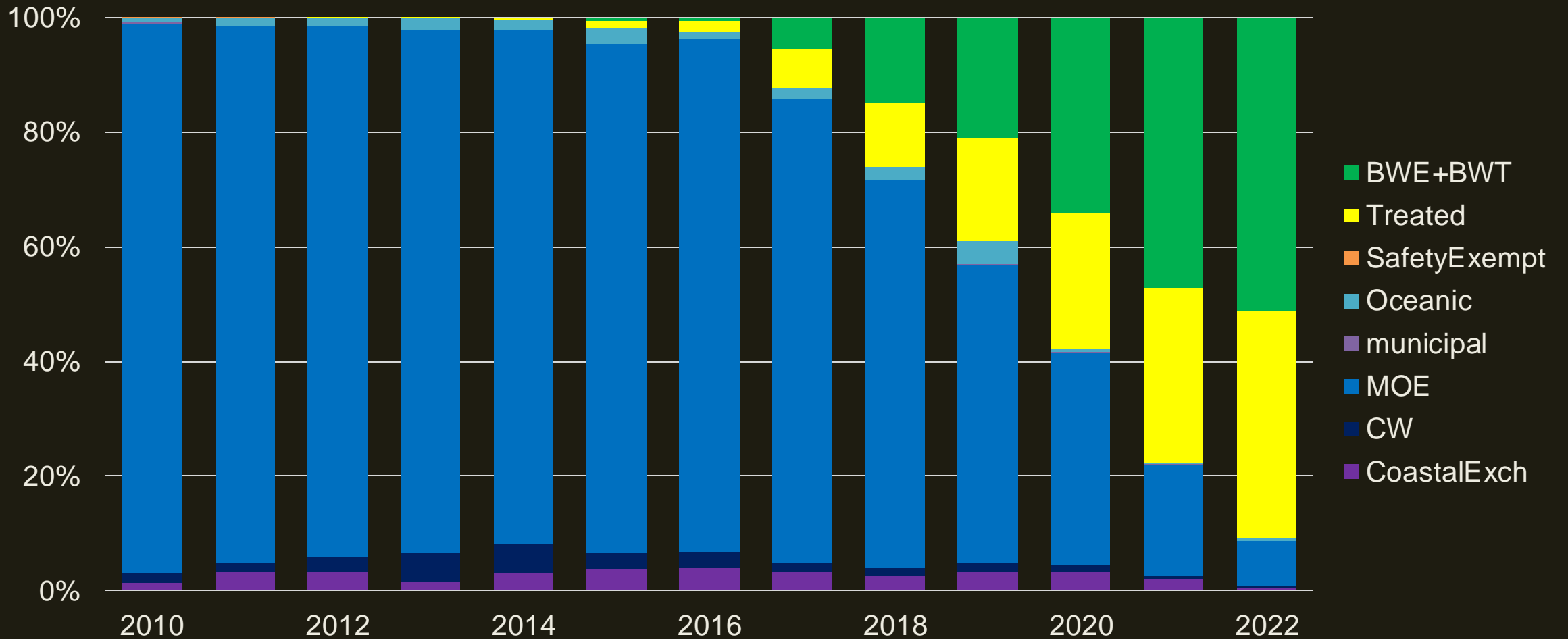
14.4 Million m3 discharged to Oregon waters in 2021

67% of CR discharge occurred at WA side facilities

# Management Snapshot – 2022



# Management Trend



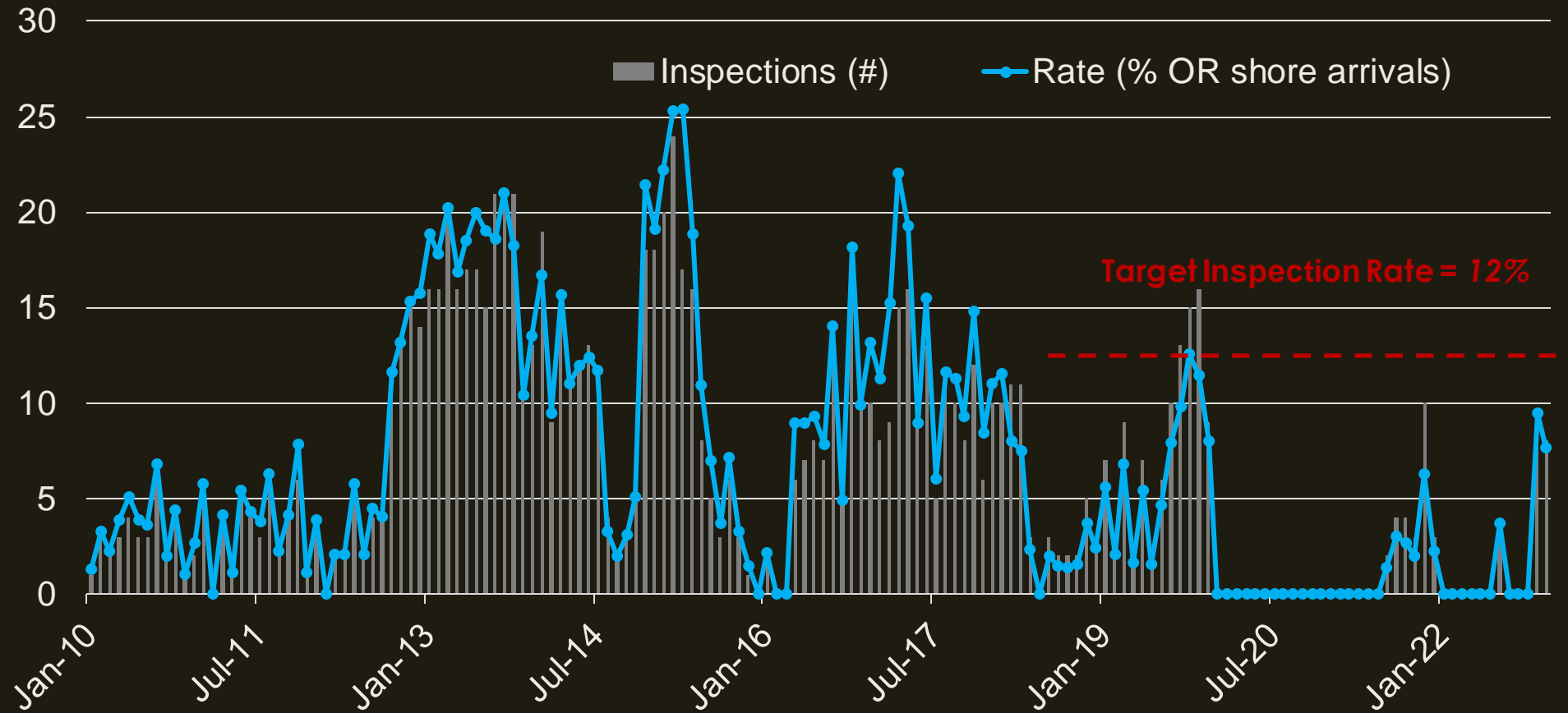
# Inspection Activities: 2010-2022

1. Outreach & Technical Service

2. Audit of Shipboard Records

3. Compliance Verification Sampling

4. Assist with Corrective Action



# On the Horizon...

I. VIDA

II. Database Replacement

III. PacDash...ORB-Dash?

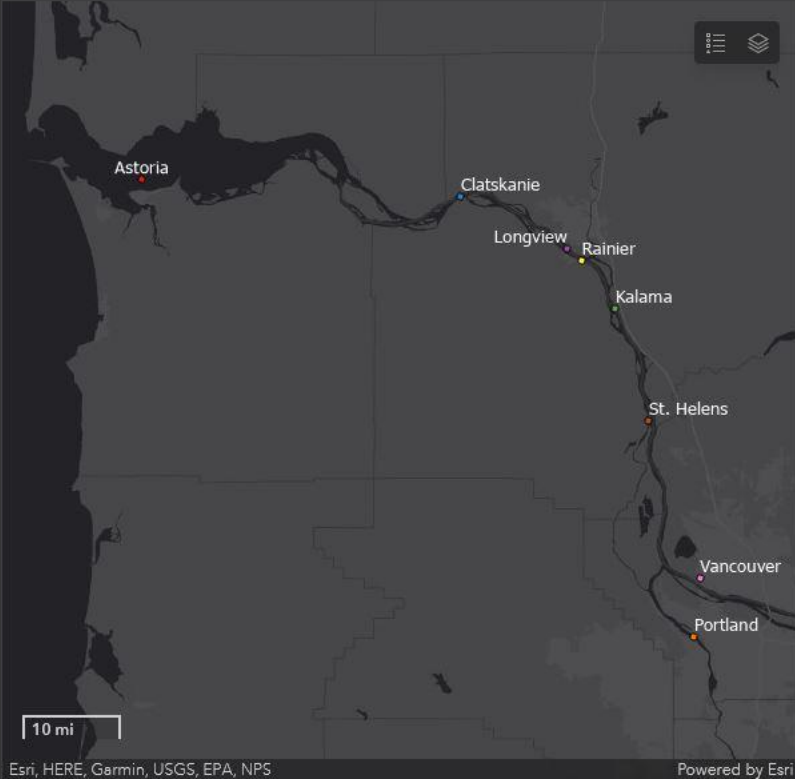
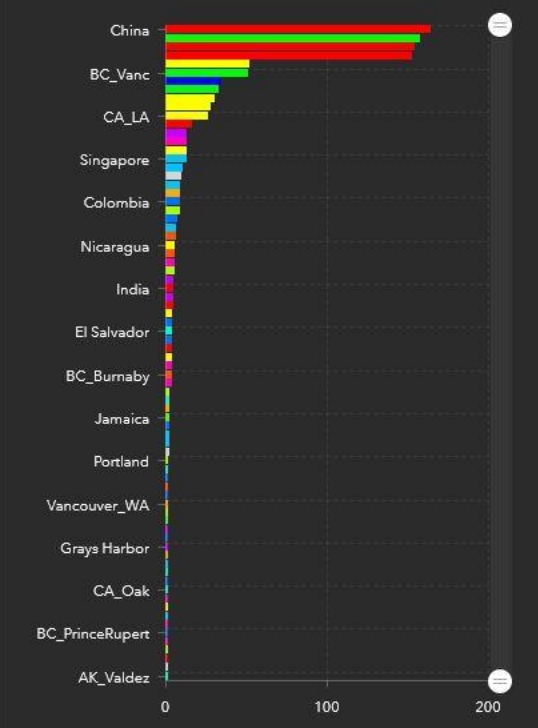
IV. Coos Bay Inspector



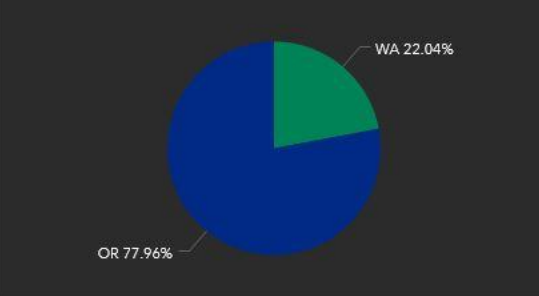
# Ballast Water Dashboard - Concept

## Arrivals

Arrivals by Last Port (Top 10)



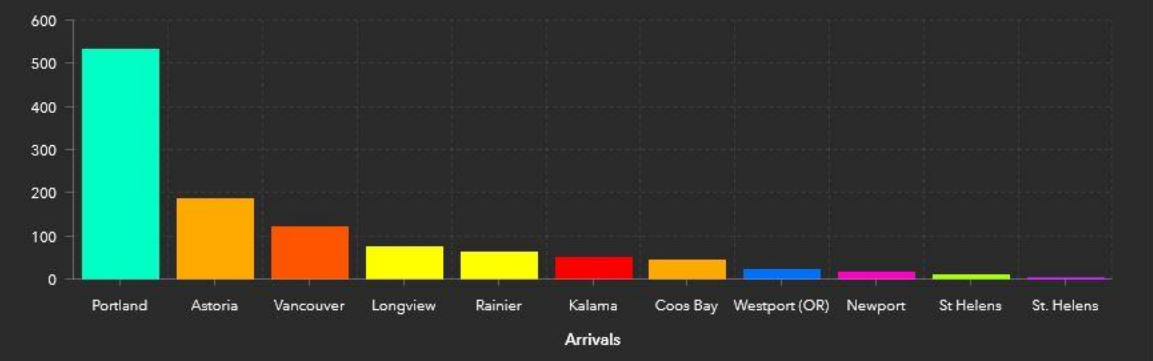
Arrivals by State



Total Arrivals



Arrivals by Port



Arrivals by Month



# Contacts

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