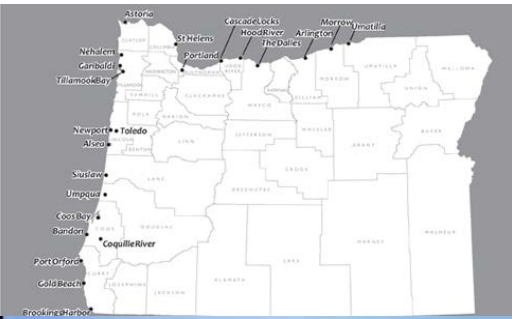


# 14th Oregon Leadership Summit

*Where Do We Go From Here?*



# Oregon's Maritime Economic Sector

A Sector of Business Clusters

# Maritime means: Related to the sea and inland waters including water-side & upland activities

## Problem Statement:

- #1: Oregon doesn't formally recognize the existence of a maritime sector;
- #2: Oregon Workforce Investment does not recognize workers that report to zip codes out of state.
- Washington does. *"The sector contributes more than \$15 billion in gross business income, and directly employs 57,700 people. Including indirect and induced impacts, the sector is responsible for 146,000 jobs in the state and \$30 billion in economic activity."*[\[1\]](#)
- We can use Puget Sound as a comparative proxy for the entire state of Oregon (coast, Columbia River and inland waters, distant waters, Oregon workers in out of state jobs),
- So, where does a ~\$15B economic sector, with 60,000 jobs (with indirect multipliers resulting in responsible for 146,000 jobs in the state and \$30 billion in economic activity) fit in the Oregon "stack"?**
- And, what portion of Oregon Workforce Investment dollars should encourage and develop the Oregon Maritime Economic Sector Workforce?

Maritime careers span a wide range of opportunities from deep sea to shoreside positions.

# Maritime means “Related to the sea and inland waters”

## Maritime Sector Clusters and Activities :

### ▪ Port Operations

- Cargo Loading and Unloading
- Longshoreman
- Stevedores
- Passenger Loading and Unloading
- Distribution of Cargo (Arrival/Departure)
- Multimodal Distribution
- Homeland/Maritime Security
- Marine Logistics (Cargo Distribution)
- Spill Response

### ▪ Transportation

- Cargo (dry and liquid)
- Passenger (ferry and cruise)
- Tug/Towboats (ship assist, tow, bunkering)
- Recreational

### ▪ Fishing and Crabbing

- Commercial Fishers
- Commercial Crabbers
- Charter
- Recreational
- Operations/Engineering/Logistics Support
- Catch Operations
- Processing
- Marine Hardware and Chandlery
- Distant Waters Operations

### ▪ Shipbuilding and Repair

- Ship Repair Operations
- Tug and Barge Construction
- New Vessel Construction
- Recreational Boat Construction and Repair
- Ship Engineering and Design

### ▪ Offshore Exploration and Support

- Scientific and Oceanographic Research
- Commercial
- Academia

### ▪ Wave Energy Industry

### ▪ Marine Manufacturing and Technology

### ▪ Tourism

### ▪ Not-for-Profit/Non-Governmental Organizations

### ▪ Maritime-Related Professions

- Marine Engineering
- Naval Architects
- Admiralty Lawyers and Staff
- Risk Managers/Insurers/Surveyors
- Marine Chemists
- Merchants Exchange Members

### ▪ Maritime Workforce Deployed around the Globe

- US Commercial Mariners on ships of many flags
- US Merchant Marine and Military Sealift Command
- Tug & Tow Mariners
- Local Fishers and Crabbers
- Distant Waters Fishing and Crabbing Fleet
- Oil & Gas Operations Fleet
- Research Vessel Fleet and US NOAA
- US Coast Guard
- US Navy & Marine Corps

Maritime careers span a wide range of opportunities from deep sea to shoreside positions.

# Maritime means “Deep Draft”



## MINERAL BULKS

#1 on West Coast



## AUTO IMPORTS & EXPORTS

Major West Coast gateway



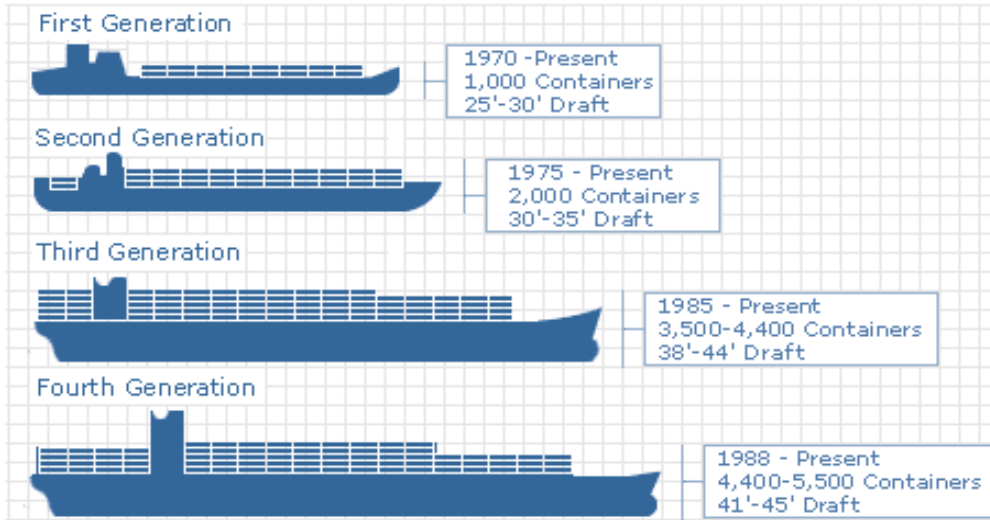
## WOOD EXPORTS

#1 on West Coast

# Maritime means “Bulk Commodities”

# Maritime means “Merchant Vessels”

## The Evolution of Container Ships



Port of Portland



Port of Vancouver



Port of Longview

Maritime means “Ports”

# Maritime means “Cargo”



Maritime means “Ships, Barges, Containers & Facilities”

# Maritime means “Big Ports” and “Multi-Function Ports”

Port of Portland



Port Westward/Port of St Helens



Port of Morrow



Aerial view of Port of Newport



Marina at Port of Iwaco



Fishing boats at Port of Garibaldi

# Maritime means “Small Ports”

# Maritime means “Shipyards and Boatyards”

Vigor at Portland



Boat lift at Port of Toledo



Boatyard at Port of Coos Bay



Maritime means “Ship Assist Tugs”



# Maritime means “Inland Waters”



Marine Transportation: Tugs + Barges + Mariners + Facilities  
& Commodity Clients + Home Ports + Vendors + Supply Chain



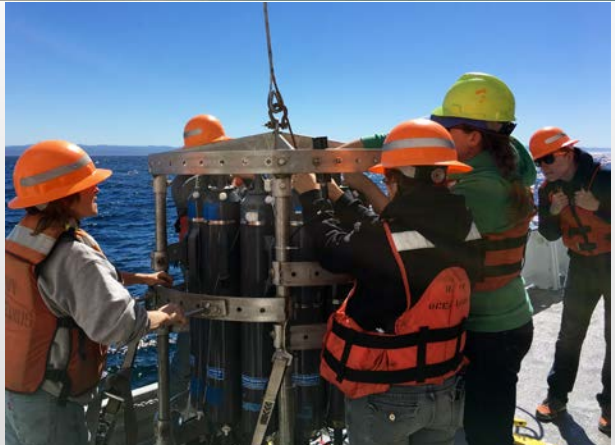
Maritime means “Dams and Locks”

# Shipyards: Ships + Shipyard Workers + Drydocks + Facilities & Dredges & Mariners + Port Engineers & Home Ports + Vendors + Supply Chain + Tugs



Maritime careers span a wide range of opportunities from deep sea to shoreside positions.

# Research Vessels: Ships + Mariners + Researchers + Facilities & Marine Technicians + Submersibles + Students & Supply Chain



Maritime careers span a wide range of opportunities from deep sea to shoreside positions.

# Training Vessels: Ships + Mariners + Instructors + Students & Home Ports + Campus + Vendors + Supply Chain



**Clatsop  
Community  
College**



*Changing Lives*  
  
*Launching Careers*  
Tongue Point Job Corps Center



# The "Phantom Fleet": Oregon Mariners who pay Oregon income taxes and go to work around the globe

## Oregon's Maritime Workforce Deployed around the Globe

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# Thanks and Photo Credits to:



MERCHANTS EXCHANGE



OF PORTLAND, OREGON

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▪Starting place:

Restore marine engineering workforce training in Oregon!

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