

# TACOMA HARBOR, WA DEEP DRAFT NAVIGATION FEASIBILITY STUDY

Public Information Meeting  
17 January 2019



*"The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."*



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of Engineers.**



# PUBLIC INFORMATION MEETING

## Agenda

- Need for Project & Rationale for Feasibility Study – Tony Warfield, Port of Tacoma
- Study Process – Donald Kramer, U.S. Army Corps of Engineers

## Information Posters

## Comment Forms

- Email Comments: [TacomaHarbor@usace.army.mil](mailto:TacomaHarbor@usace.army.mil)

## Sign up to Receive Information

- Sign up Sheets at Tables



# TACOMA HARBOR PROJECT AREA

Commencement Bay

Training Structures

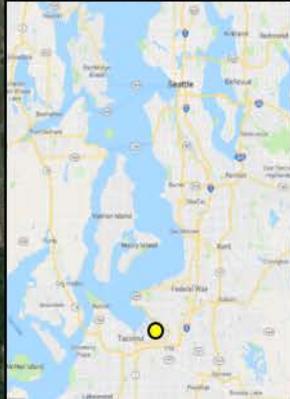
Foss Waterway

Puyallup River

Sitcum Waterway

Blair Waterway and Turning Basin

Hylebos Waterway



1 mi



# ECONOMIC IMPACT TO THE REGION

POT Cargo and Industrial Real Estate	Jobs	Personal Income
Direct	12,436	\$715 Million
Induced/Re-spend	10,756	\$1.381 Billion
Indirect	5,918	\$306 Million
<b>Total</b>	<b>29,110</b>	<b>\$2.402 Billion</b>



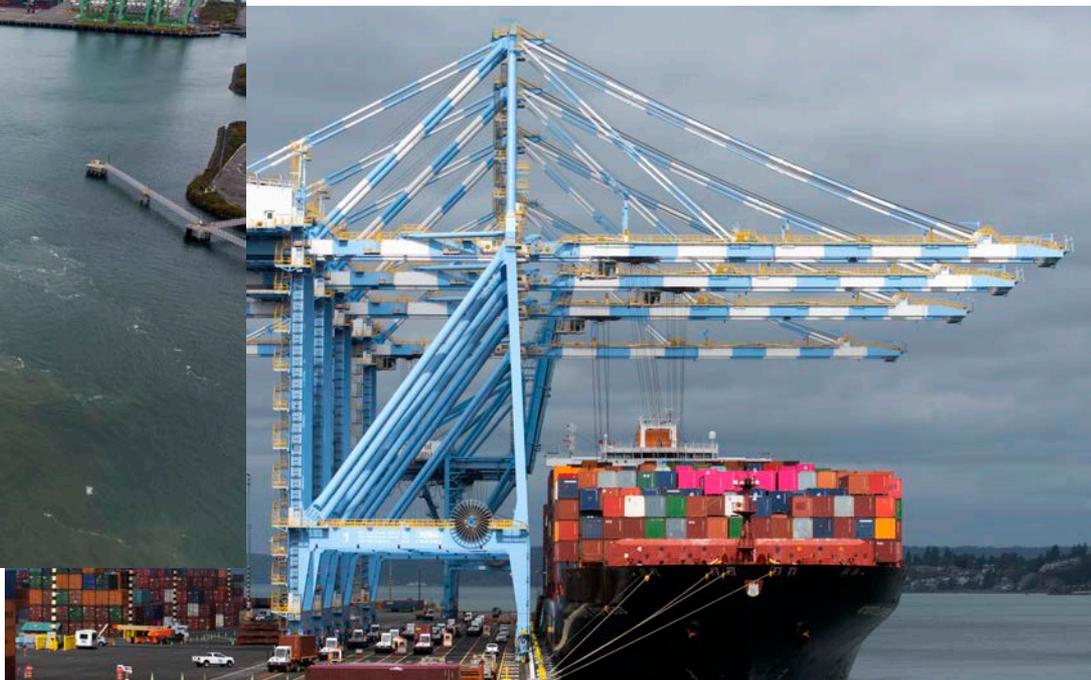
Source: The 2013 Economic Impact of the Port of Tacoma, Martin Associates 2014



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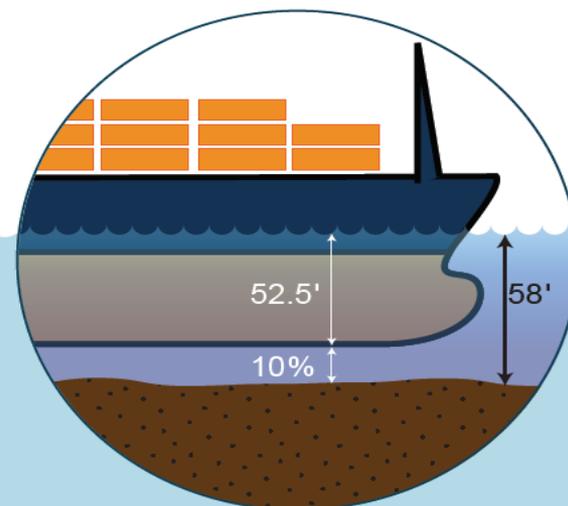
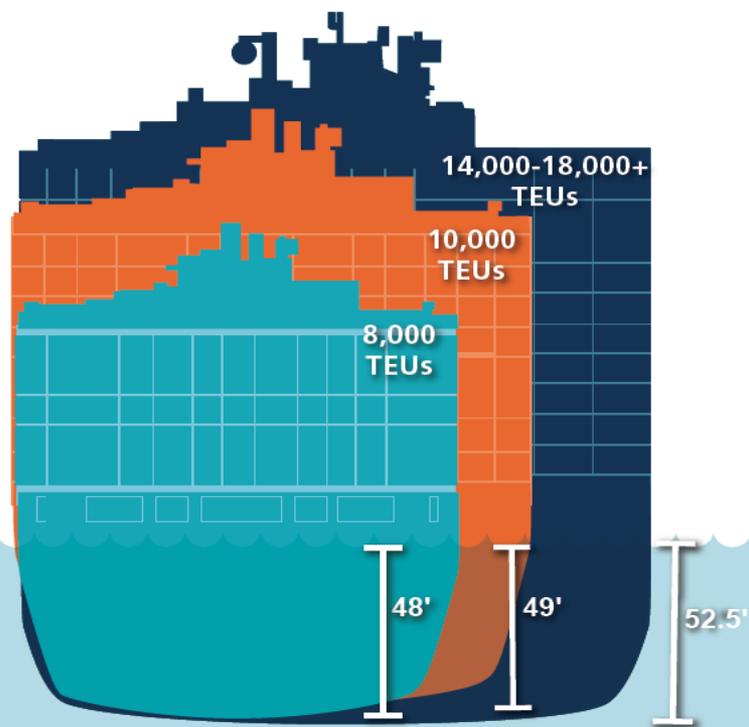
# SHIPS ARE GETTING BIGGER...



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# DEEPER CHANNELS AND BERTHS ARE NEEDED



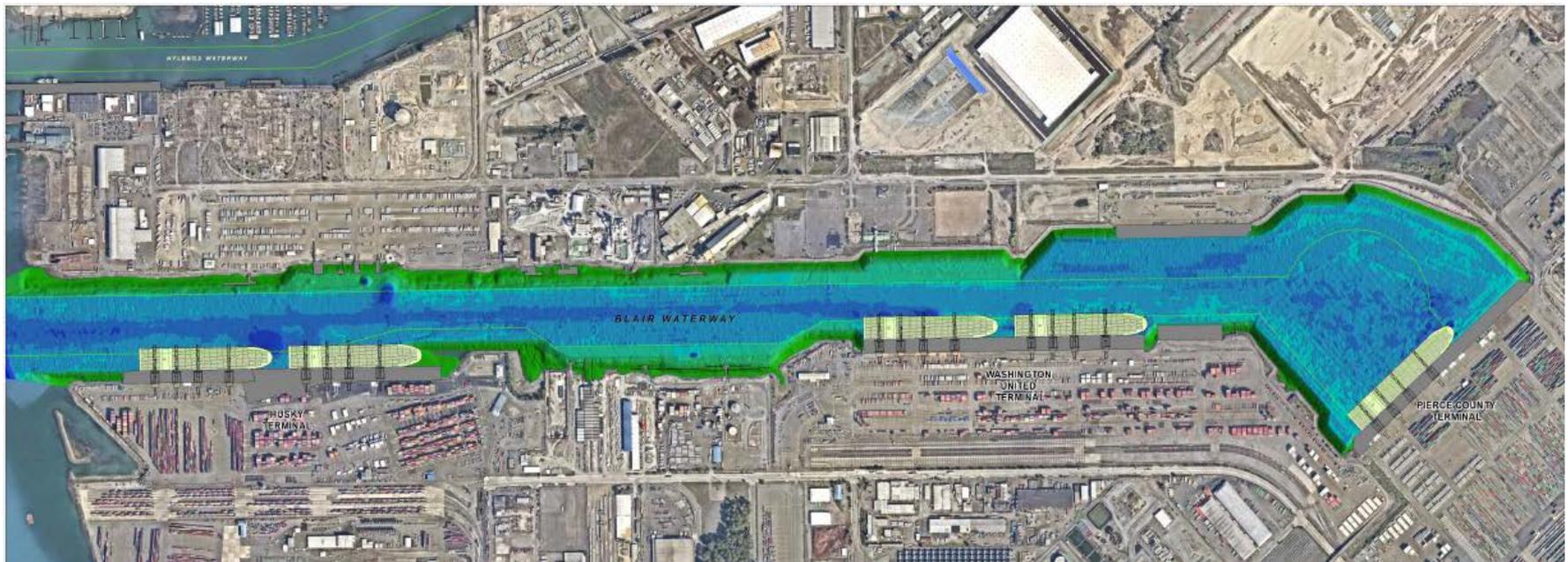
— Post-Panamax: 136' —

— 10K TEU Ships: 150' —

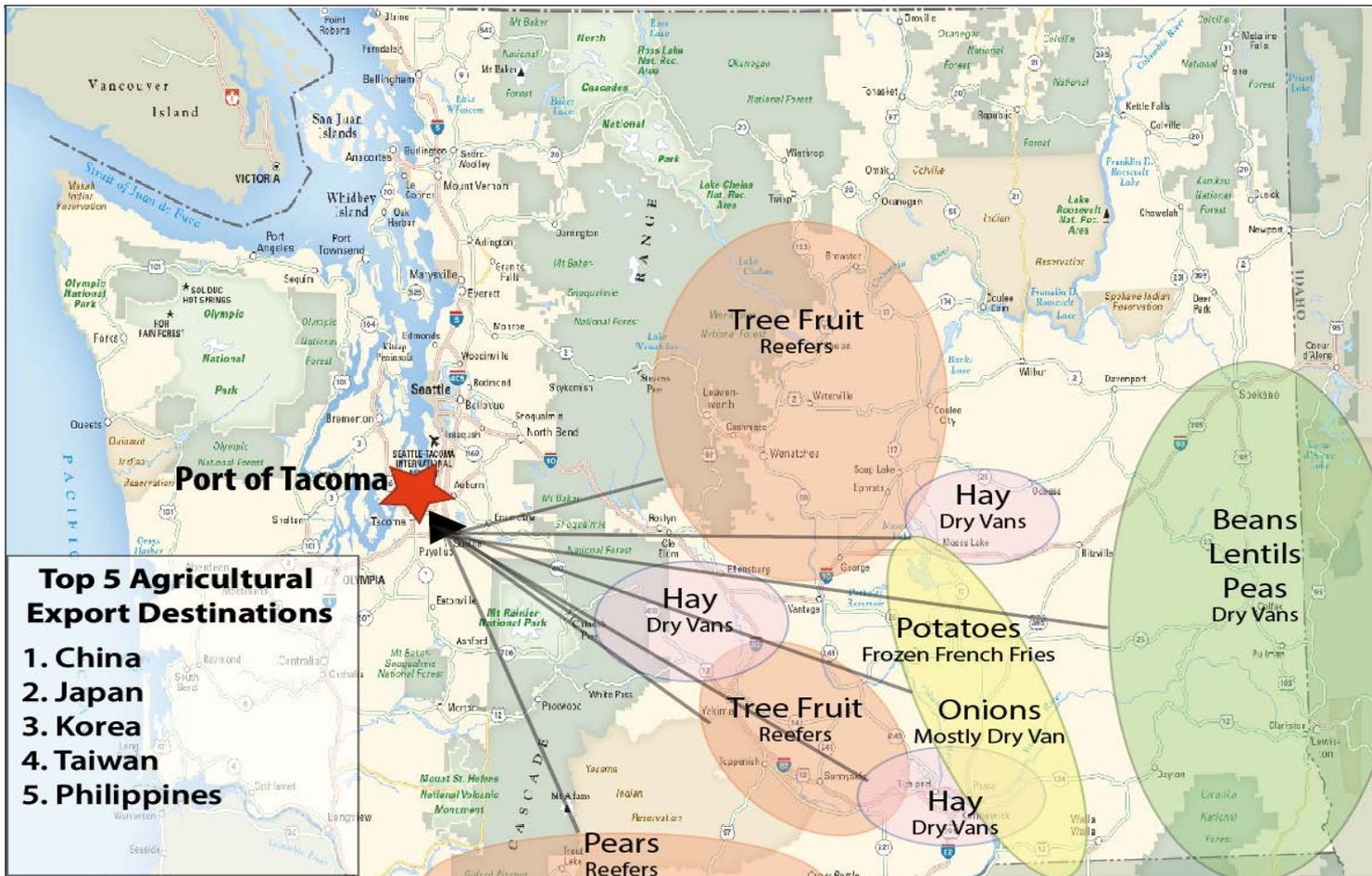
— 18K TEU Ships: 193' —

14,000 TEU ship draft: 51'  
18,000 TEU ship draft: 52.5'

# DEEPER CHANNELS AND BERTHS ARE NEEDED



# WASHINGTON IS AN EXPORT ECONOMY



# TACOMA IS AN EXPORT GATEWAY

## Loaded to TEU Capacity

- 9.3 metric tons per TEU

## Loaded to Deadweight Capacity

- 14.3 metric tons per TEU

Import cargo is generally lighter weight and ships depart Asia at **TEU capacity**

PNW export cargo is heavy and ships depart Tacoma at **deadweight capacity**

Imports

Exports

Stats reflect FY13 averages for full international container moves through the NWSA.



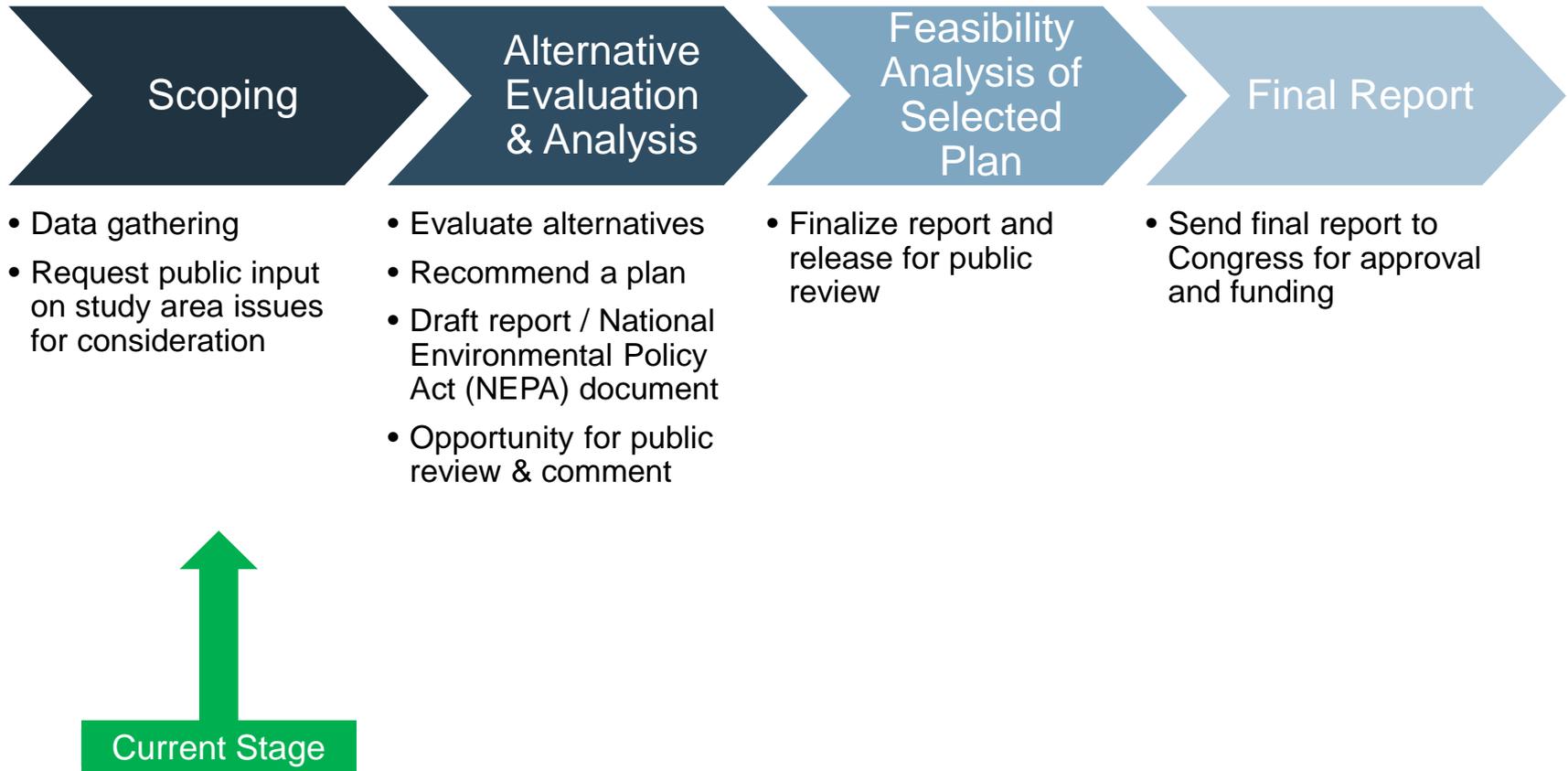
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# PARTNERING WITH THE U.S. ARMY CORPS OF ENGINEERS



# CORPS STUDY PROCESS



# PROJECT AREA AND ALTERNATIVES



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# NEXT STEP: ALTERNATIVES EVALUATION

Alternatives will be evaluated and compared using multiple criteria

Initial evaluation and screening criteria include:

- Costs and Benefits (Economic Considerations)
- Environmental Considerations
- Tribal Considerations
- Navigational Safety
- Historical and Cultural Resources



# ENVIRONMENTAL CONSIDERATIONS

Several environmental resources have already been identified for detailed analysis of potential impacts.

Impacts analysis will consider potential impacts of each alternative during and after construction to resources:

- Water Quality
- Threatened And Endangered Species
- Underwater Noise
- Historical And Cultural Resources
- Indirect And Cumulative Impacts



# ESTIMATED STUDY TIMELINE AND PUBLIC INVOLVEMENT

Fall 2018	Public scoping starts
Fall 2019	Draft Feasibility Report / Environmental Assessment available for public review
Winter 2020	Final Feasibility Report / Environmental Assessment available for public review
Summer 2021	Chief's Report to Congress for approval and funding



# GET INVOLVED

Provide comments to the Corps of Engineers

Join the stakeholder email list to be notified when the Draft Feasibility Report / Environmental Assessment is available for public review



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# CONTACT US

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