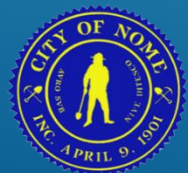


# PORT OF NOME ALASKA'S ARCTIC PORT



DRIVING REGIONAL EMPLOYMENT  
EXPANDING ALASKA'S ECONOMY  
SUPPORTING NATIONAL SECURITY

Senate Transportation Committee  
Alaska State Senate  
25 April 2023



# REGIONAL TRANSSHIPMENT HUB

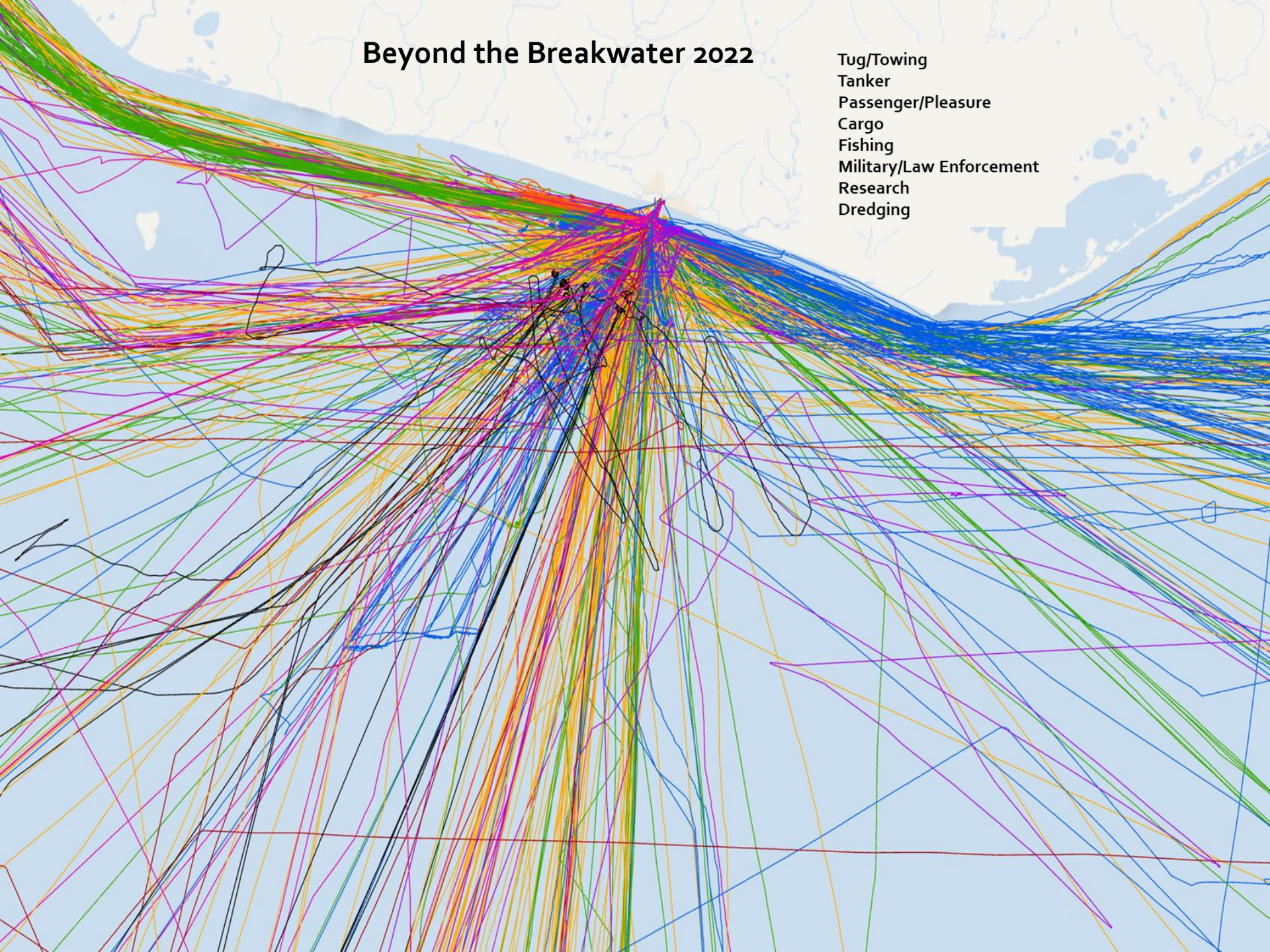
- ▶ Serving over 60 communities (Platinum to Barrow)
  - ▶ Maritime Hub Services
    - ▶ Community resupply (fuel, vehicles, equipment, buildings, appliances, groceries)
    - ▶ Commercial & Subsistence fisheries
    - ▶ Construction project equipment/materials
    - ▶ Environmental/Oil Spill Response
    - ▶ Resource Development
    - ▶ Search and Rescue
    - ▶ Scientific research
    - ▶ Industrial support
    - ▶ Tourism





# Beyond the Breakwater 2022

Tug/Towing  
Tanker  
Passenger/Pleasure  
Cargo  
Fishing  
Military/Law Enforcement  
Research  
Dredging

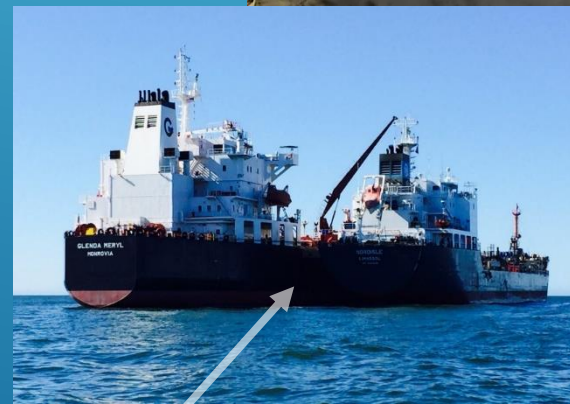








# COMMODITY MOVEMENT



# SHIP RESUPPLY/CREW CHANGE

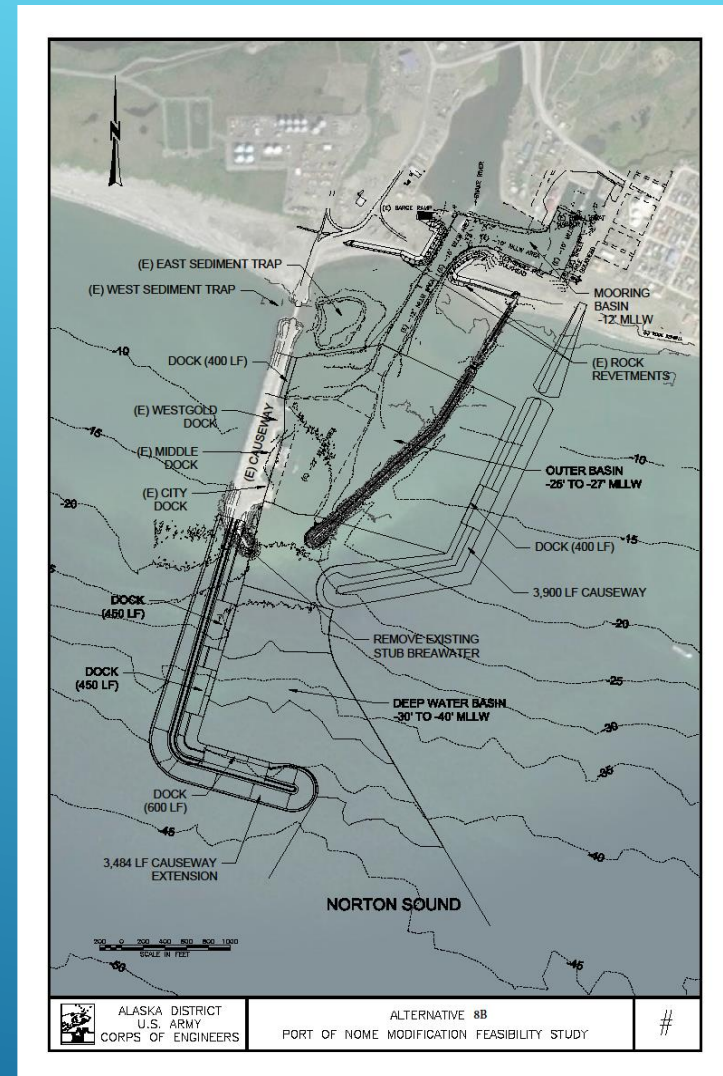




# ARCTIC DEEP DRAFT PORT MODIFICATIONS

## PROJECT PURPOSE AND OBJECTIVES

- Only deep-water port in the U.S. Arctic.
- Serves as critical link for regional communities to rest of Alaska.
- Existing port facilities in the region are overcrowded, with insufficient draft to accommodate larger, deep-draft vessel traffic.
- Purpose of this project is to provide safe, reliable, and efficient maritime transportation for movement of commerce, national security, and tourism at the Port of Nome.
- Proposed project objectives:
  - Search and Rescue, Oil Spill Response, Resource Exploration
  - Reducing draft limitations for more efficient vessels.
  - Increasing dock space for safety & to avoid delays.
  - Widen navigable space for more efficient vessel maneuvering.





# PORT OF NOME



ENGINEERS, INC.

- Docks
- Roads
- Bridges
- Dolphins



Existing



- Breakwaters
- Dredging



- Fuel
- Power
- Water
- Waste
- Lighting



January 2022



ENGINEERS, INC.

ALASKA'S ARCTIC DEEP DRAFT PORT AT NOME



# NATIONAL SECURITY/MARINER SAFETY

- ▶ National Security
  - ▶ Strengthen U.S. presence by expanding Arctic Ports to stage strategic assets
  - ▶ Establish year-round Arctic facilities to drive further infrastructure development
- ▶ Life Safety
  - ▶ Enable Coast Guard to operate more efficiently in Arctic with base support
  - ▶ Increase response capacity to meet nearly double the demand in activity
  - ▶ Expand on role as a port of refuge



# TARGETED BENEFITS OF ARCTIC DEEP-DRAFT PORT AT NOME

## National Security & Life Safety

- Strengthen U.S. presence in Arctic

- Critical refuel/resupply support for SAR

## Environmental Safety

- Regional staging for oil spill response assets

- Reducing need for offshore fuel transfers

## Economic/Cultural Sustainability

- Lowering regional transportation costs

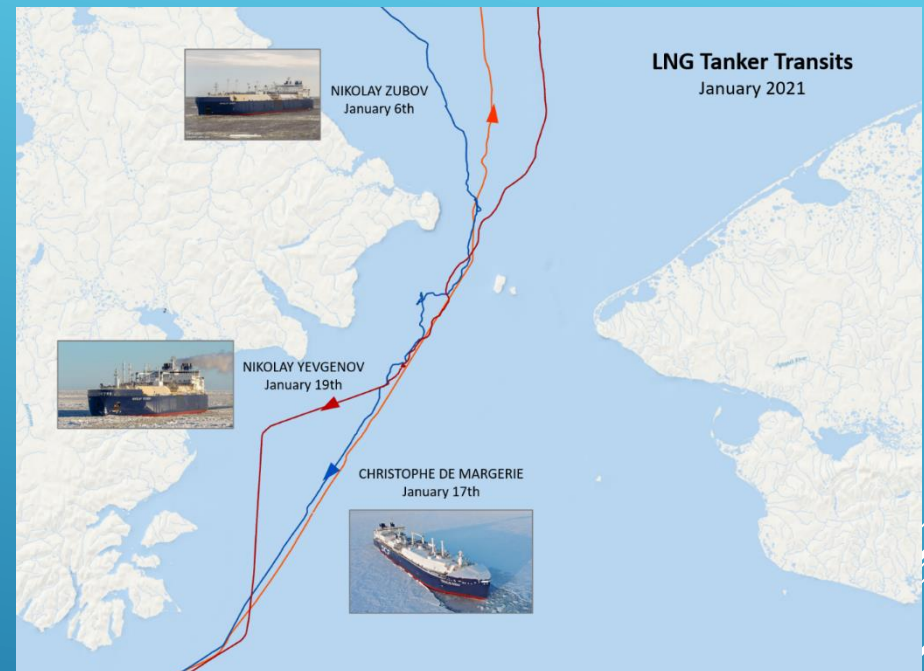
- Bringing economic opportunity to the region

## Research & Resource Development

- Enhanced mission support through hub services

## Tourism & Recreation

- Support increased ship calls (23 ships scheduled 2022) with more ice-hardened hulled vessels coming online





# PROJECT DESIGN AND CONSTRUCTION SCHEDULE

PHASE	DESIGN		CONSTRUCTION			
	STARTS	100%	BIDS	AWARD	BEGINS	ENDS
1	July 2021	<b>May 2023</b>	<b>Aug 2023</b>	Jan 2024	June 2024	Fall 2027
City (NFS)		Sign PPA*	Provide Funds			
2	Nov 2022	TBD	TBD	TBD	Spring 2025*	Fall 2027**
3	TBD	TBD	TBD	TBD	Spring 2026*	Fall 2028**

\*Project Partnering Agreement

\*\*ESTIMATES ONLY

# ALASKA'S ARCTIC DEEP-DRAFT PORT AT NOME

## THANK YOU

JOHN HANDELAND - MAYOR  
DIRECTOR  
CITY OF NOME

[jhandeland@nomealaska.org](mailto:jhandeland@nomealaska.org)

JOY BAKER – PORT  
CITY OF NOME

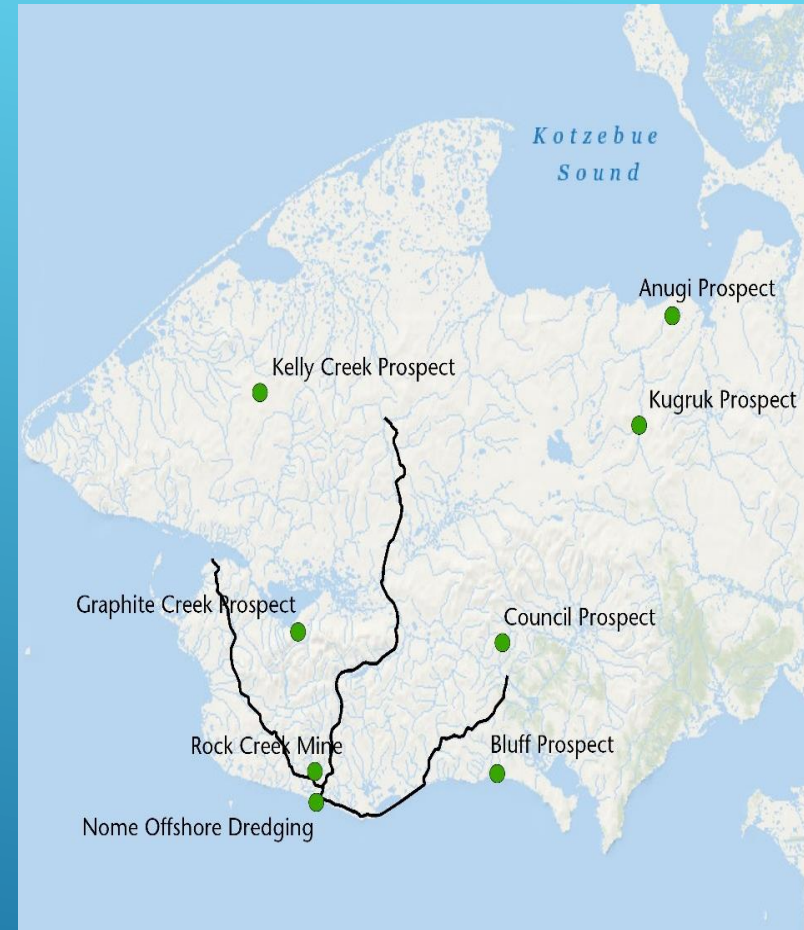
[jbaker@nomealaska.org](mailto:jbaker@nomealaska.org)





# MINING & RESOURCE DEVELOPMENT

- ▶ Development of onshore mineral deposits
  - ▶ Gold, graphite, lead, zinc, and silver
  - ▶ Supplies/equipment move/demove
  - ▶ Mineral export – active & potential
- ▶ Active quarry stone mining at Cape Nome
  - ▶ Highest-grade quality basalt
  - ▶ Estimated production of .5 million tons since 1984
  - ▶ Quarry life expectancy = 100+ year estimate
- ▶ Project rock quarry at Cape Darby
- ▶ Offshore mining activity – continues to grow



# ECONOMIC BENEFITS – DURING CONSTRUCTION

ACROSS 4-5 SUMMER SEASONS\*

- Regional:
  - Jobs: 818      Income: \$77.6M      + \$100M secondary spending
- Statewide (below includes regional):
  - Jobs: 2,938      Income: \$207M      + \$291M secondary spending
- National (below includes regional and statewide):
  - Jobs: 5,515      Income: \$365M      + \$545M secondary spending

\*Source: USACE Modifications Feasibility Study – Economics Appendix



# ECONOMIC BENEFITS – POST CONSTRUCTION

## LONG TERM OPERATIONS AND MAINTENANCE\*

- Regional:
  - Jobs: 5                      Income: 607K                      + \$802K secondary spending
- Statewide (below includes regional):
  - Jobs: 34                      Income: \$2.4M                      + \$3.3M secondary spending
- National (below includes regional and statewide):
  - Jobs: 60                      Income: \$4M                      + \$5.9M secondary spending

\*Source: USACE Modifications Feasibility Study – Economics Appendix

## PHASE 1 – FINAL DESIGN & CONSTRUCTION

(In Millions)	75%	25%		100%	GNF +LSF	+10% GNF
	GNF			LSF		
	COE	NFS	TOTAL+	NFS	NFS Total	NFS
Phase 1	\$250	\$83	\$333	\$81	\$164	\$33
Final Design/Bid/LSF Inspect.	N/A	N/A	N/A	\$8.6	\$8.6	
Phase 2 – Design/Inspection	N/A	N/A	N/A	\$2.4	\$2.4	
NFS/CITY TOTAL		\$83		\$92	\$175	

GNF – General Navigation Features (cost-shared)

NFS – Non-Federal Sponsor (City)

LSF – Local Sponsor Facility (100% City)

+ Cost up front is 75%-25% with another 10% paid over time