

ALASKA'S DEEP-DRAFT ARCTIC PORT AT NOME

BOOSTING REGIONAL EMPLOYMENT
DRIVING ALASKA'S ECONOMY
SUPPORTING NATIONAL SECURITY

April 2021
Alaska State Legislature
Senate Transportation Committee

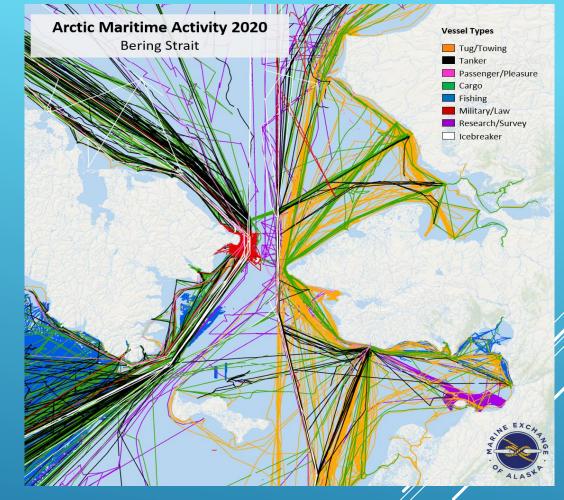




HUB PORT OF NOME SERVES:

- 35+ Western and Northern AK coastal and river communities with cargo, fuel, equipment & gravel.
- Cruise ship traffic for resupply and pax exchange
- Tankers/Tugs-Barges for crew changes/stores & medical
- Government vessels for research/charting
- DHS/DOD fleets for refuel, resupply, stores and shore leave

Year	Northbound	Southbound	Total
2009	136	126	262
2010	128	114	242
2011	124	115	239
2012	154	162	316
2013	171	173	344
2014	130	125	255
2015	232	220	452
2016	158	182	340
2017	164	196	360
2018	183	175	358
2019	241	236	477
2020	260	290	550



Graphic shows extent of vessel movement during the ice-free season, despite the remoteness of the area.

Table shows exponential growth in Bering Strait transits, both south & north

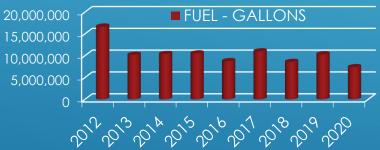
SHIP RESUPPLY:

Whether a USCG, NOAA, Cruise ship or foreign government vessel, Nome has become the last port call before, and after, transiting the NWP – and demand continues to grow.



COMMODITY MOVEMENT







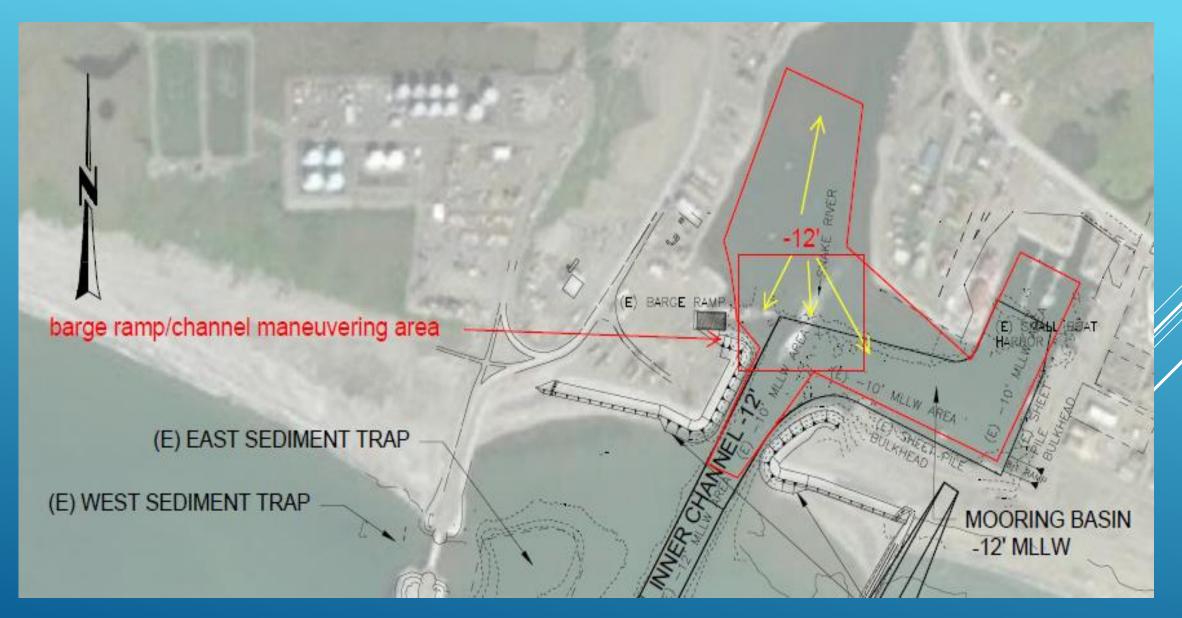


- Transshipment of cargo, fuel and equipment
- Export of armor stone, cobble, crushed gravel & sand
- Staging of project equipment for regional development

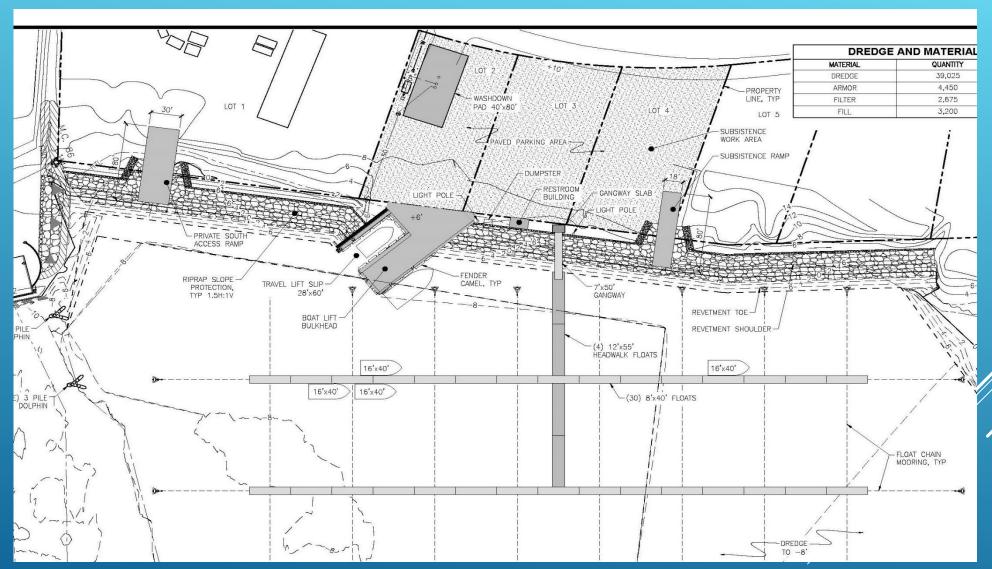
RECENT PORT IMPROVEMENTS

PROJECT TITLE	SCOPE OF WORK	STATUS	COMPLETION DATE	FUNDIN SOURC AMOUN	E
					(red = Port \$)
CSWY MIDDLE DOCK Authorized project Change Order	Construct 3rd sheetpile dock on Cswy w/roro ramp Extend concrete ramp to minimize erosion loss during storms	ORION MARINE CONTRACTORS ORION MARINE CONTRACTORS	OCT 2015 JUNE 2016	NSEDC, EDA/SOA SOA Grant	\$8M
SEAWALL EROSION REPAIR	Repair seawall from long-term storm erosion - replace missing core rock and armor stone (with rock salvaged from Mid Dock Project Construction)	ORION MARINE CONTRACTORS	JULY 2016	SOA Grant	\$750K
THORNBUSH SITE DEVELOP.	Developed 9 of 18-acre parcel for uplands demand	Q TRUCKING	JUNE 2017	SOA	
SNAKE RIVER DREDGING OF EXPANSION MOORAGE AREA	Additional dredging to -8' MLLW along west bank of Snake River to accommodate light draft anchorage (and future Snake River Moorage Floats Project)	Q TRUCKING	JUNE 2018		\$1.375
SECURITY CAMERA SYSTEM	Install 24 camera security system in Port/Harbor w/desktop stations, server, software and fiber connections	ARCTIC FIRE & SECURITY NJUS - PK ELECTRIC	MAR 2018	DHS CITY	\$202K \$115K
	Remove/replace sheetpile and tail wall at cells 5/6 to restore the integrity of the dockface	STG/PND/Q TRUCKING	SEPT 2019	PORT FUNDS	\$1.46M

CORPS CAP 107 DEEPEN/EXPAND FEDERAL DREDGE LIMITS - STUDY



SNAKE RIVER DEVELOPMENT – FUNDING PHASE



PORT WASTE RECEPTION FACILITY AT NOME



HOW THE **POLAR** CODE PROTECTS THE ENVIRONMENT

OIL



DISCHARGES
Discharge into the sea of
oil or oily mixtures from
any ship is prohibited







INVASIVE SPECIES



INVASIVE AQUATIC SPECIES

BACKGROUND INFO

SEWAGE



SHIP CATEGORIES





DEFINITIONS

GARBAGE





FOOD WASTES I Discharge of food wastes onto the ice is prohibited







CHEMICALS





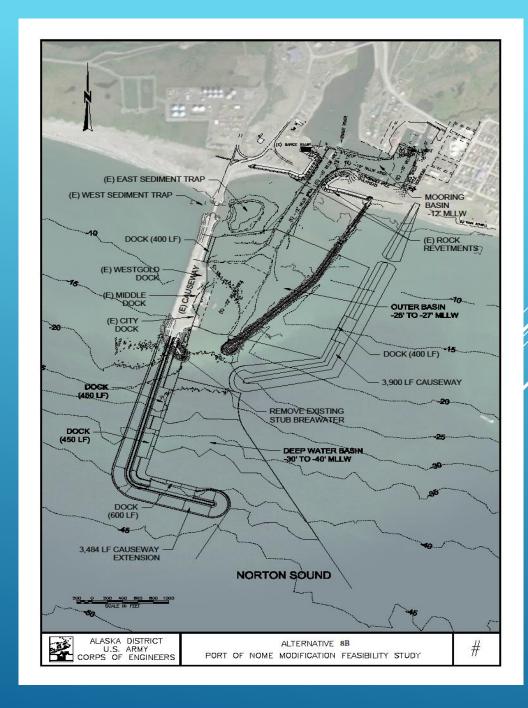
INTERNATIONAL MARITIME ORGANIZATION

PWRF Components	Estimated Costs		
Incinerator/Solid Waste Haul Truck	\$ 2,832,000		
Wastewater Holding Pond	\$ 2,455,000		
Sewage Haul Truck	\$ 203,000		
Wastewater Holding Tank at Dock	\$ 174,000		
Bilge Treatment Facility/Haul Truck	\$ 3,286,000		
Total Costs	\$ 8,500,000		

PORT EXPANSION - DESIGN PHASE

116th Congress Authorized Project for Design and Construction as:

- Extend Causeway 3,500 ft., construct 3 docks in deep water basin at -40 ft.
- Remove east breakwater completely
- Construct new 3,900 ft. Causeway with 400 ft dock in existing outer basin dredged to -28 ft.
- Expansion provides 5 additional docks
- Increases dock capacity by 2,400 LF



TARGETED BENEFITS OF DEEP-DRAFT PORT AT NOME

National Security & Life Safety

Critical refuel/resupply support for SAR Strengthen U.S. presence in Arctic

Environmental Safety

Reducing need for offshore fuel transfers Regional staging for OSR assets

Economic/Cultural Sustainability

Lowering regional transportation costs

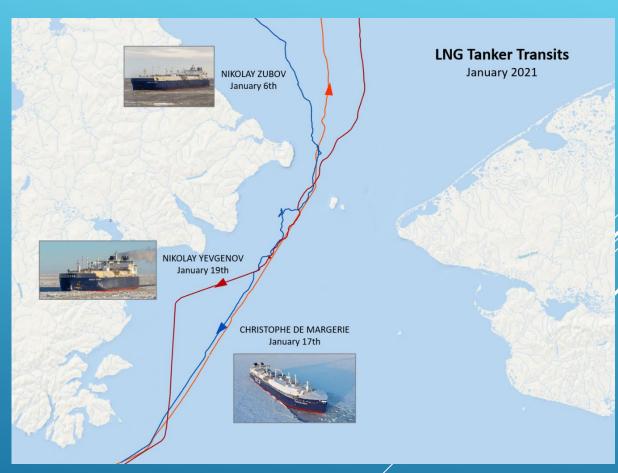
Bringing economic opportunity to the region

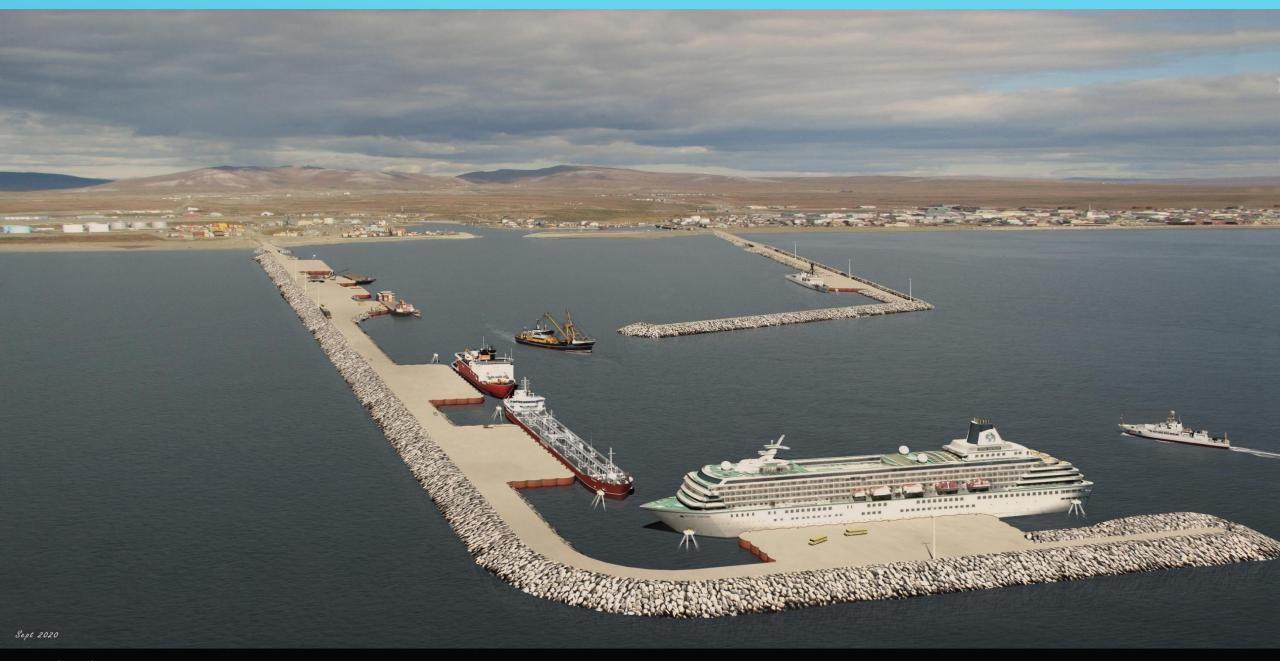
Research

Enhanced mission hub support

Tourism

Support increased ship calls with more ice-hardened vessels in construction







CITY OF NOME STRATEGIC DEVELOPMENT PLAN
OUTER HARBOR DEVELOPMENT

FOR MORE INFORMATION:

U.S. Army Corps of Engineers – Port of Nome Modification Feasibility Study:

https://www.poa.usace.army.mil/Portals/34/docs/civilworks/publicreview/portofnome/FinalNomeIFREA29May2020signed.pdf?ver=2020-06-02-192545-533

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