State of Alaska Maritime Economic Activities

National Ice Center Symposium
July 14, 2015

Commissioner Chris Hladick
Alaska Department of Commerce, Community, and Economic Development
Alaska’s Arctic Overview
Alaska’s Arctic Policy

Arctic Boundary as defined by the Arctic Research and Policy Act (ARPA)

All United States and foreign territory north of the Arctic Circle and all United States territory north and west of the boundary formed by the Porcupine, Yukon, and Kuskokwim Rivers; all contiguous seas, including the Arctic Ocean and the Beaufort, Bering and Chukchi Seas; and the Aleutian chain.¹

Acknowledgement: Funding for this map was provided by the National Science Foundation through the Arctic Research Mapping Application (amap.org) and Contract #0520837 to CH2M HILL for the Interagency Arctic Research Policy Committee (IARPC). Map author: Allison Gaylord, Nuna Technologies, May 27, 2009.

¹. The Aleutian chain boundary is demarcated by the ‘Contiguous zone’ limit of 24-nautical miles.

Source: U.S. Arctic Research Commission
North Pacific Great Circle Route
Marine Exchange of Alaska
Locations of AIS Receiving Stations in Alaska
AIS Coverage in Alaska
Arctic Economic Development – Port Planning

Legend
- Proposed Port Projects
- Major Rivers
- Borough Boundary

North Slope Borough
- $460,000,000

Kotzebue
- $160,000,000

Port Clarence
- $50,000,000

Nome
- $217,000,000

Gambell
- $30,000,000

Unalaska
- $40,000,000

Adak
- $200,000,000
• Army Corps of Engineers draft feasibility report Feb. 2015

• Estimated cost for expansion is $217 million.

• Current depth of 22 feet at deepest point. The proposed plan would dredge to 28 feet. Analysis is underway for expanding to 35 foot depth.

• Extended causeway and new large vessel dock also a part of the expansion recommendations.
Red Dog

Operator: Teck Alaska Inc.

Location: Approximately 82 miles north of Kotzebue on Nana Regional Corporation land

Principal minerals: Zinc and lead

Production: Opened in 1989. In 2014, approximately 4.3 millions tons of ore was milled producing 1.06 million tons of zinc concentrate and 219,000 tons of lead concentrate
Fort Knox

**Operator:** Fairbanks Gold Mining Inc. (Kinross Gold Co.)

**Location:** Approximately 25 miles northeast of Fairbanks on state and private lands

**Principle minerals:** Gold

**Production:** Opened in 1997. In 2014, approximately 387,000 gold equivalent ounces were produced
**Operator:** Sumitomo Metal Mining Pogo LLC.

**Location:** Approximately 38 miles northeast of Delta Junction on state land

**Principle minerals:** Gold

**Production:** Opened in 2005. In 2014, approximately 972,000 tons were mined, 967,000 tons were milled, and 342,000 troy ounces of gold were produced.
• The Upper Kobuk Mineral Projects (Gold, Silver, Copper, Zinc) in the Ambler Mining District are still in exploratory phases.
• Graphite Creek, Bering Straits, Donlin Creek, Kuskokwim River,
Unalaska – Strategic Location
Unalaska-International Port of Dutch Harbor
Arctic Maritime Activity – Safety

Deployment

Emergency Towing System Components

Ship Hauling
Locations of ETS today

- Medium ETS <50,000 DWT stored at the Gargo Building, Nome.
- Medium ETS <50,000 stored at the USCG Air Facility, Cold Bay.
- 2 x Larger ETS >50,000 DWT with helicopter pendants and slings stored in the USCG Air Station, Kodiak.
- Larger ETS >50,000 DWT with helicopter pendants and slings stored at the ADEC Warehouse, Anchorage.
- Larger ETS >50,000 DWT stored at the USCG Base, Ketchikan.
- Larger ETS >50,000 DWT with helicopter pendants and slings stored in the City EMS Building, Adak.
- Larger ETS >50,000 DWT with helicopter pendants and slings stored in the ADOT Hangar, Unalaska.
Arctic Maritime Activity – Commercial Fishing
2013 Ex-Vessel Value by Major Species (millions)

- Shellfish ($275)
- Salmon ($741.2)
- Herring ($16.6)
- Halibut ($111.5)
- Groundfish ($869.3)

<table>
<thead>
<tr>
<th>Port of Landing</th>
<th>Pounds (millions)</th>
<th>Dollars (millions)</th>
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<tbody>
<tr>
<td>Dutch Harbor-Unalaska, AK</td>
<td>752.5</td>
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<tr>
<td>Akutan, AK</td>
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<td>Kodiak, AK</td>
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Oil and Gas - Polar Pioneer in Unalaska
International Port of Dutch Harbor
Unalaska Island
Unalaska preparations for oil and gas
Port Fourchon LA
Unalaska
Sunrise over Unalaska Marine Center