

ENVIRONMENTAL INTELLIGENCE FOR A CHANGING ARCTIC

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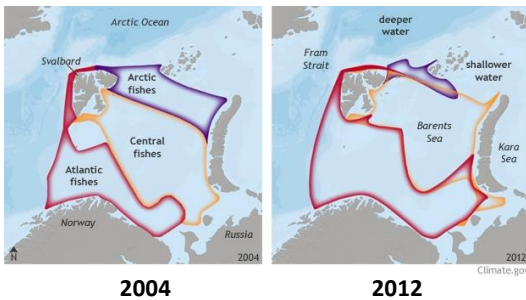


AMS DC Forum April 14, 2016

NOAA ARCTIC VISION AND STRATEGY

- Forecast sea ice
- Improve weather and water forecasts and warnings
- Strengthen foundational science to understand and detect Arctic climate and ecosystem changes
- Improve stewardship and management of ocean and coastal resources in the Arctic
- Advance resilient, healthy Arctic communities and economies
- Enhance international and national partnerships.

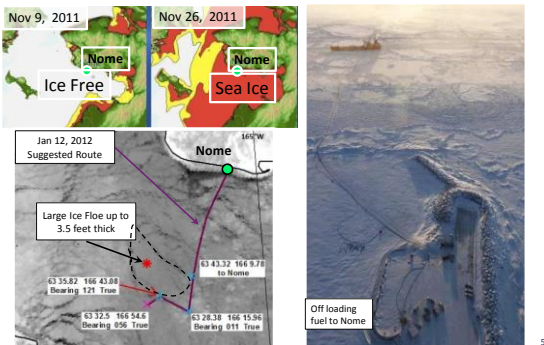
ARCTIC FISHERIES



U.S. ARCTIC VESSEL TRAFFIC



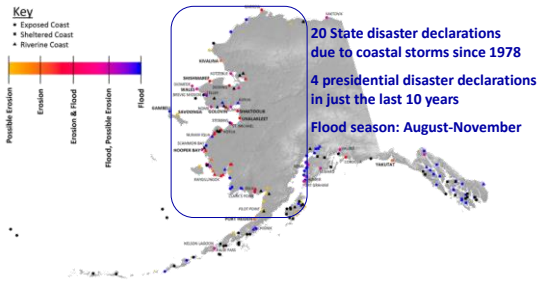
SEA ICE FORECASTS and IMPACT-BASED DECISION SUPPORT GETTING FUEL TO NOME



BREAK UP AND MELT OUT DAMAGE



ALASKA COASTAL POPULATIONS VULNERABLE TO FLOODING AND EROSION



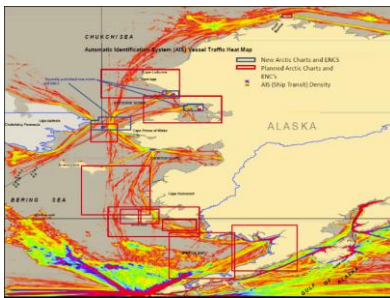
- Alaska ceased participation in the Coastal Zone Management Program in July 2011
- ~12% of AK communities do not participate in the National Flood Insurance Program

ALASKA 2015 WILDFIRES

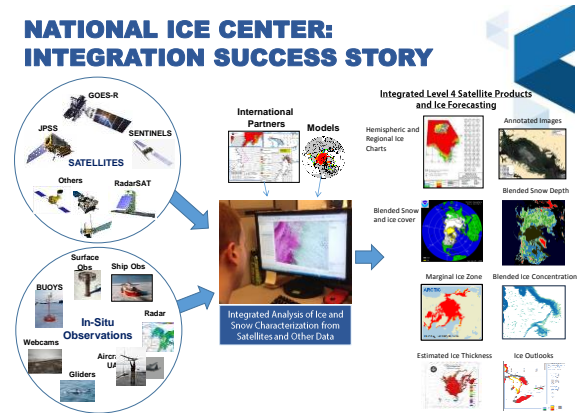
Alaska Dispatch News
 Map: Tracking Alaska's wildfires
 301 fires on July 10, 2015 wildfires data
 Alaska Interagency Coordination Center

- Low spring snowpack
- Record warm spring
- Week of intense lightning

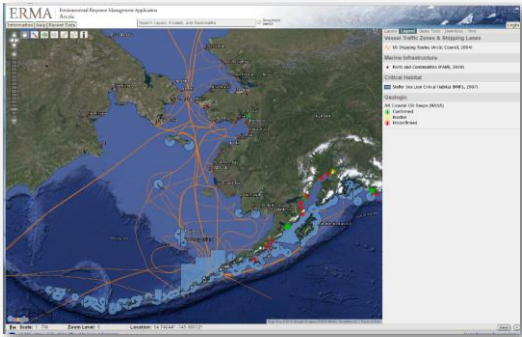
ARCTIC NAUTICAL CHARTING PLAN



NATIONAL ICE CENTER: INTEGRATION SUCCESS STORY



ARCTIC ERMA



NOAA: BUILDING A SUSTAINED ARCTIC OBSERVING NETWORK

