



# COOK INLET RISK ASSESSMENT

Briefing to  
Cook Inlet Regional Citizen's Advisory Council  
Board Meeting  
September 13, 2013

*The Cook Inlet RCAC, U.S. Coast Guard and State of Alaska are conducting a risk assessment of maritime transportation in Cook Inlet, Alaska.*





# Cook Inlet Risk Assessment

This is a briefing on project activities since our last presentation to the CIRCAC Board in May







# Tasks Completed

- Vessel Traffic Study
- Baseline Accident and Spill Study
- Consequence Analysis Study
- Risk Reduction Options for Immediate or Sustained Implementation
- All Reports are posted on the website



# Risk Reduction Options for Immediate or Sustained Implementation



- **Establish Process Improvements for All of Cook Inlet**
  - Establish a Harbor Safety Committee
  - Harbormasters and Port Directors should notify the U.S. Coast Guard if they determine a vessel to be unsafe or unseaworthy

# Risk Reduction Options for Immediate or Sustained Implementation



- **Enhance Navigational Safety**

- Review and consider revisions to NOAA's Coast Pilot
- Add sub-sea infrastructure identified in Cook Inlet to NOAA's Automated Wreck and Obstruction Information System (AWIOS)
- Continue to update and improve winter ice guidelines, as needed



# Risk Reduction Options for Immediate or Sustained Implementation



- **Enhance Navigational Safety (Cont.)**

- Improve cell phone coverage on marine waters in Cook Inlet
- Sustain and expand training for pilots, captains, and crew
- Maintain project depth in Cook Inlet, especially at Knik Arm Shoal

# Risk Reduction Options for Immediate or Sustained Implementation



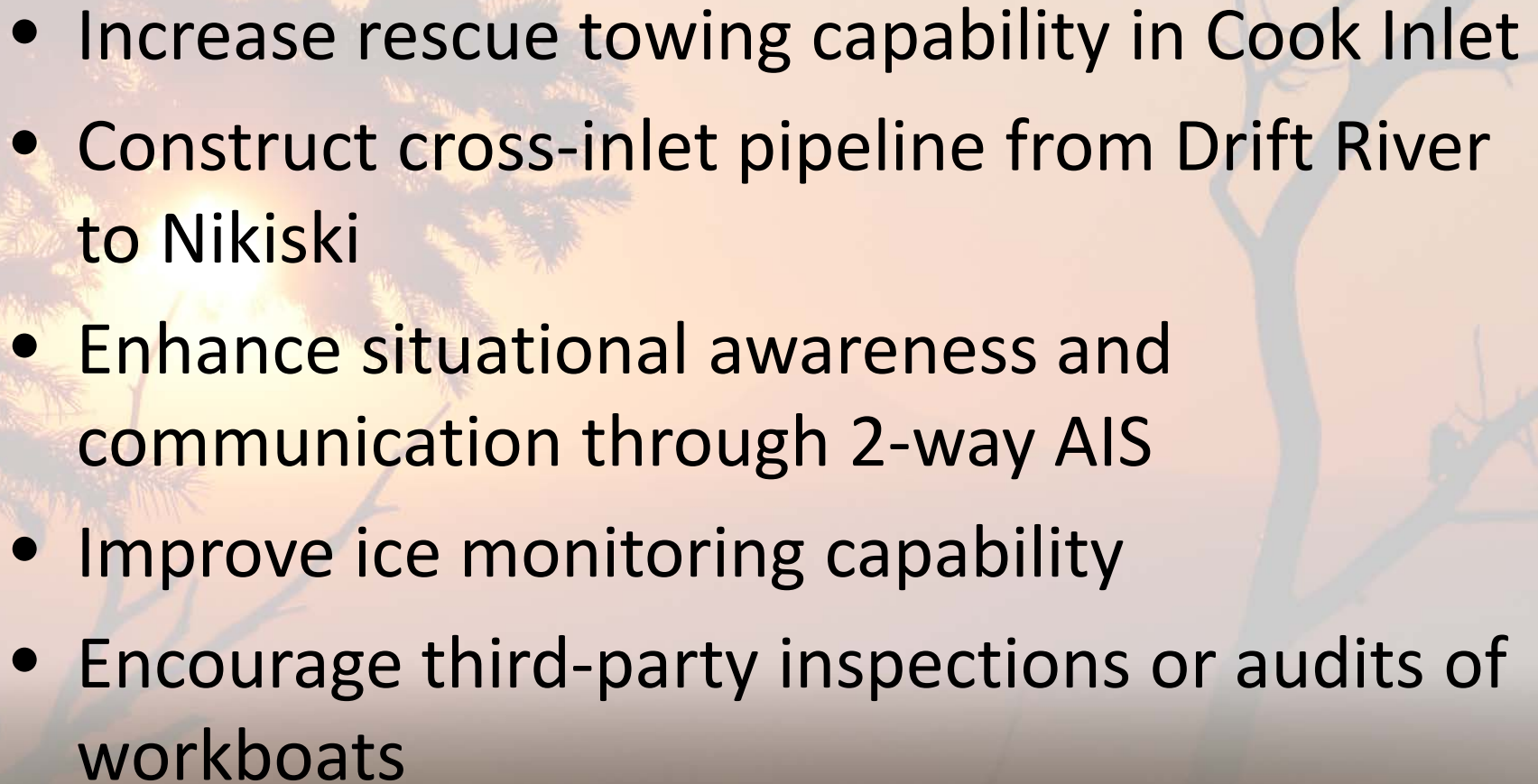
- **Improve Spill Response Planning and Capabilities**

- Promulgate final response planning regulations for non-tank vessels
- Update and improve the subarea contingency plan
- Seek continuous improvements in spill response equipment appropriate to Cook Inlet conditions



# Risk Reduction Options for Further Consideration



- Increase rescue towing capability in Cook Inlet
  - Construct cross-inlet pipeline from Drift River to Nikiski
  - Enhance situational awareness and communication through 2-way AIS
  - Improve ice monitoring capability
  - Encourage third-party inspections or audits of workboats
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# Work Plan

- Management Team approved a modified and updated work plan
- Implemented from August 2013- September 2014 and USCG contract extended
- Contracts with subcontractors in place:
  - Glosten Associates (Towing analysis & Reduced risk from pipeline instead of tank vessel)
  - Northern Economics (Cost and benefits of constructing the subsea pipeline)



# Project Schedule

## Cook Inlet Risk Assessment Project Schedule

Task	2013				2014			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task B-1 Towing Analysis								
Task B-2 Construct Cross-Inlet Pipeline from Drift River to Nikiski								
Task B-3 Enhance Situation Awareness by Transmitting WX information via AIS								
Task B-4 Improve Ice Monitoring Capability								
Task C Implement items related to RROs for immediate or sustained implementation								
Task D Review results of research with Team to agree on recommended options								
Task E Prepare a final report								



# Goals

Estimate the benefit, cost, ease of implementation and assess potential unintended negative consequence of the Risk Reduction Options







# Questions?

