



Representing the citizens of Cook Inlet in promoting environmentally safe marine transportation and oil facility operations

Who we are

- Alaska Native (12)
- Aquaculture Associations (2)
- Commercial Fishing (7)
- Environmental (13)
- Recreation (4)
- Tourism (8)
- Regional Municipalities (7)

Who we are

- United States Coast Guard
- Environmental Protection Agency
- Bureau of Ocean Energy Management
- National Oceanic and Atmospheric Administration
- United States Forest Service
- Alaska Department of Environmental Conservation
- Alaska Department of Natural Resources
- Alaska Department of Fish and Game
- Alaska Division of Homeland Security and Emergency Management
- Alaska State Pipeline Coordinator's Office

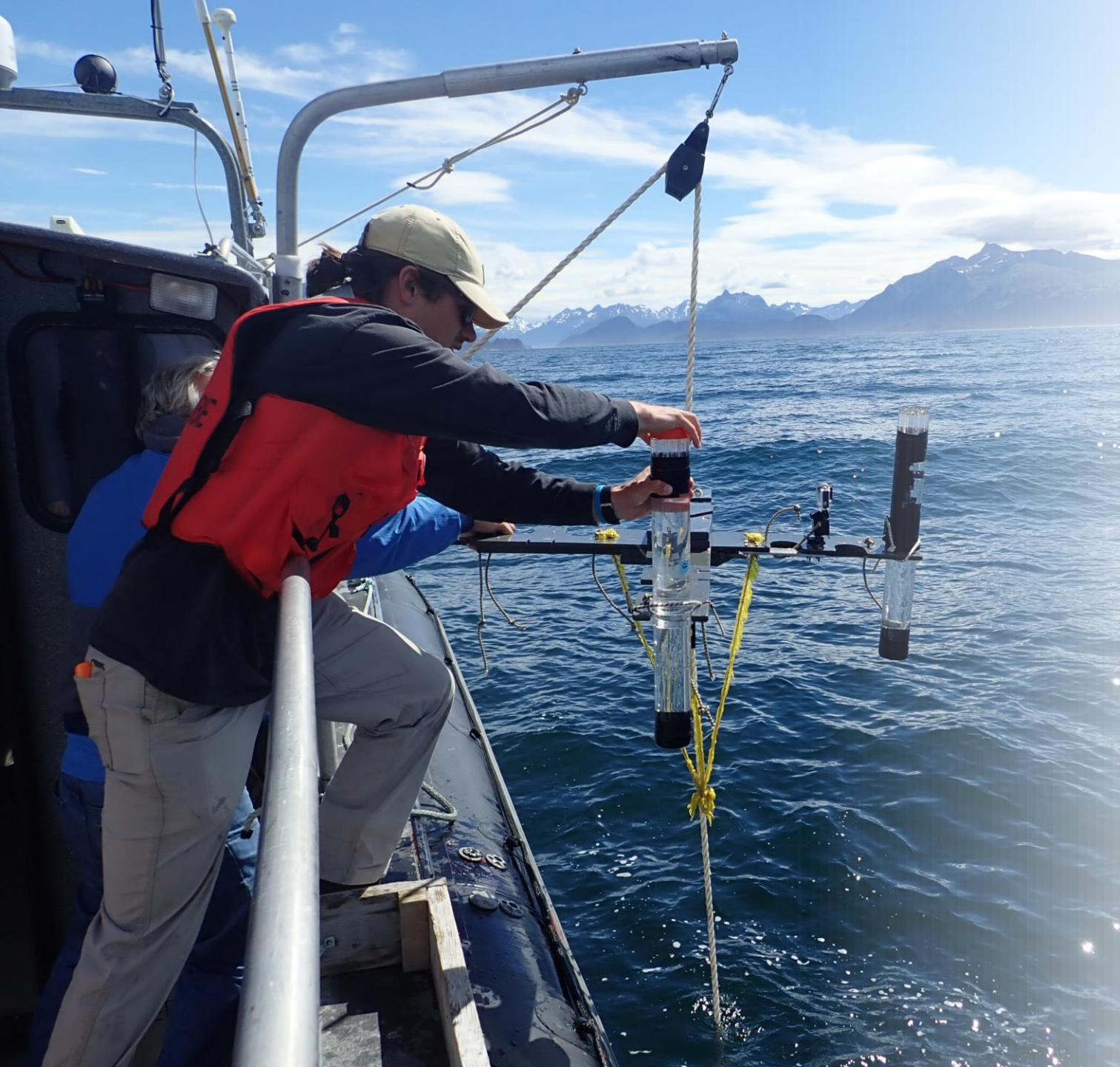
What We Do



Environmental
Monitoring
Committee (EMC)

Prevention,
Response,
Operations, Safety
(PROPS)

Protocol Control



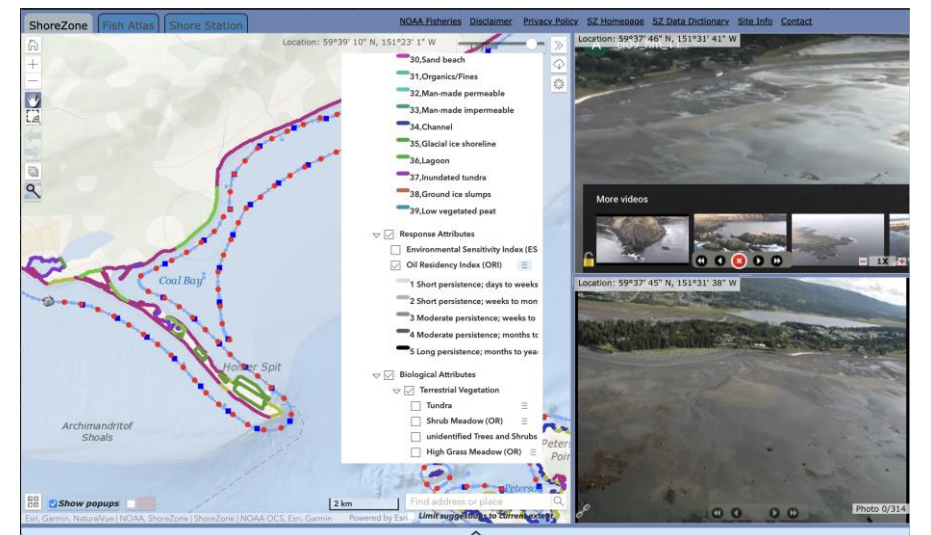
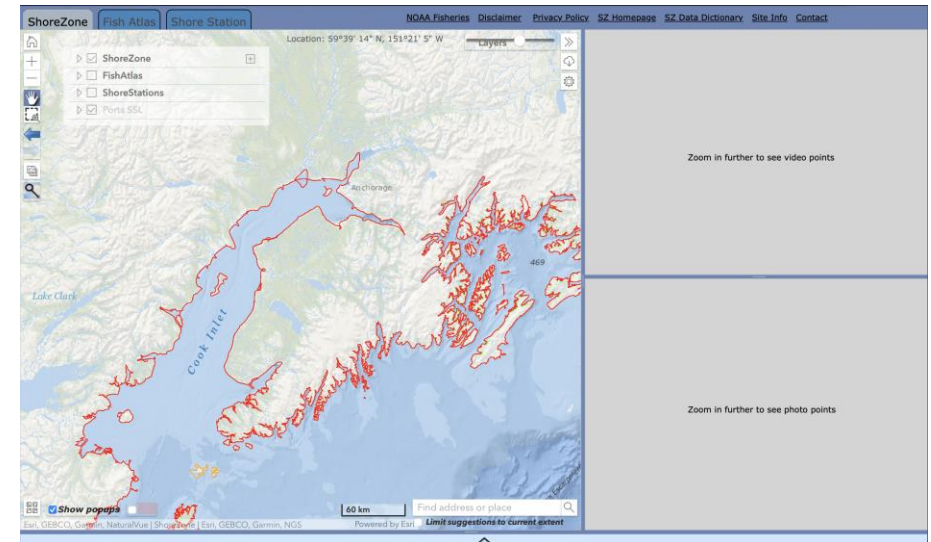
Environmental Monitoring Committee

OPA 90 “...conduct a monitoring program that provides early detection of any environmental effects due to oil industry operations in Cook Inlet and to determine whether oil industry operations are causing adverse impacts to Cook Inlet’s ecosystem.”

- Biological and Chemical Monitoring
- Coastal Habitat
- Physical Oceanography
- Oil Behavior

ShoreZone

- Originally developed in the 1980's
- Aerial surveys and mapping of Cook Inlet started in 2001
- Oldest imagery from Kodiak Island Archipelago
- Currently administered and hosted online by NOAA
- Provides visual data for Cook Inlet Response Tool (CIRT)
- 2023: new cost estimates to resurvey areas first flown in 2005



OPA 90 Program Language:

5002 (f) (2)

(C) study wind and water currents and other environmental factors in the vicinity of the terminal facilities which may affect the ability to prevent, respond to, contain, and clean up an oil spill;

(D) identify highly sensitive areas which may require specific protective measures in the event of a spill in Prince William Sound or Cook Inlet



Physical Oceanography

OPA 90 “...study wind and water currents and other environmental factors in the vicinity of the terminal facilities which may affect the ability to prevent, respond to, contain, and clean up an oil spill.”

- Promote collaborations and partnerships between and among researchers and organizations to support other goals.
- Provide leadership in developing a comprehensive Cook Inlet physical oceanography observing system.
- Make all data accessible to resource agencies, industry, the public, and other organizations.



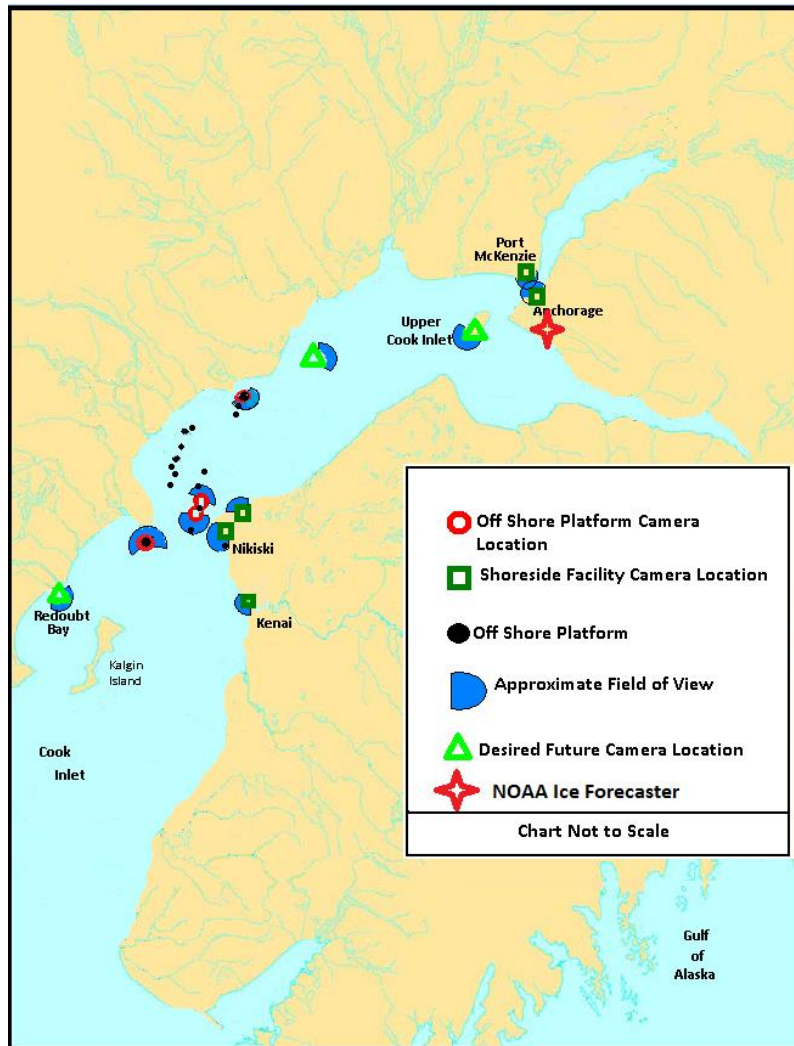
The background of the slide is a photograph of a vast, flat landscape, likely a coastal plain or a large body of water, under a clear blue sky. In the foreground on the left, there is a yellow metal structure, possibly a staircase or a platform, with a railing. The structure is made of yellow-painted metal beams and has a black grating floor. The landscape beyond the structure is a wide, flat expanse of light-colored ground, possibly sand or a dry lake bed, extending to a distant horizon line under a clear blue sky.

Prevention, Response, Operations, Safety Committee (PROPS)

OPA 90 “... review and assess measures designed to prevent oil spills and the planning and preparedness for responding to, containing, cleaning up, and mitigating impacts of oil spills.”

- Identify and assess vessel traffic, facility operations, and pipeline safety in the Cook Inlet RCAC area of concern.
- Evaluate response equipment, personnel, training, and other mechanisms to cope with potential or actual oil discharges into Cook Inlet.
- Seek out and assist state and federal efforts to conduct and administer a risk assessment unique to Cook Inlet conditions.

Cook Inlet Ice Camera Network



- Provide strategic view
- Accessible for maintenance
- Capture vessel movement through ice
- Utilize data to aid in ice forecasting



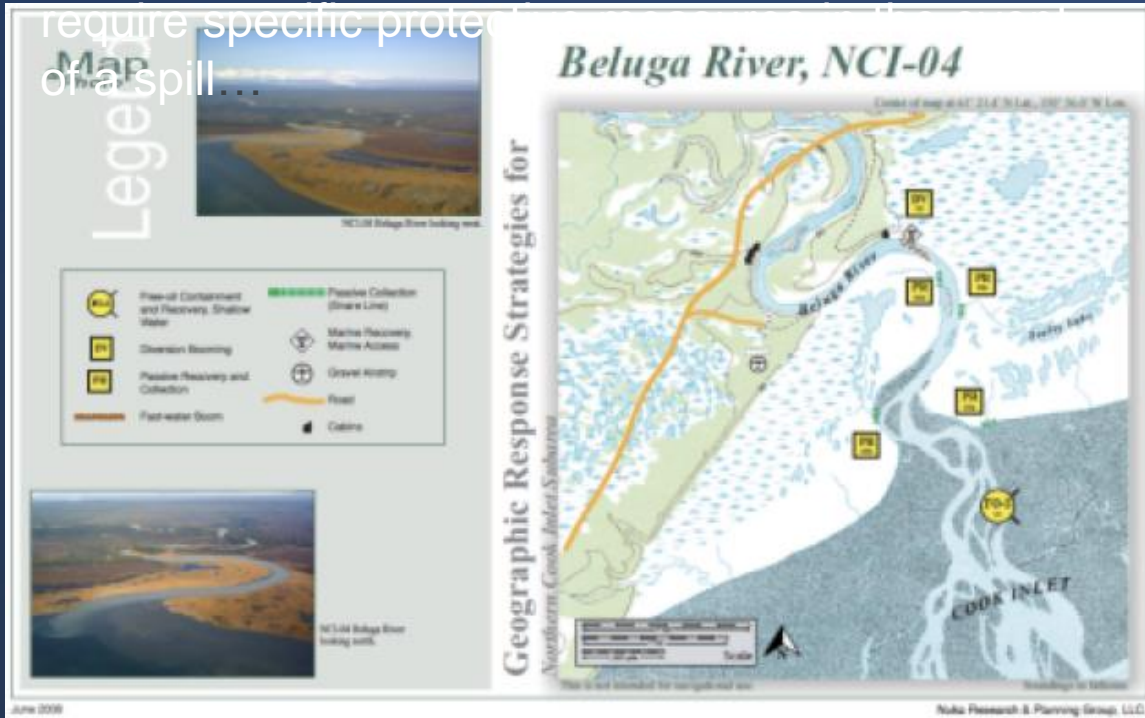
- Marathon Petroleum
- ASRC Energy Services
- Cook Inlet Energy
- Hilcorp
- Offshore Systems Kenai
- City of Kenai
- State of Alaska
- Port MacKenzie, Mat-Su Borough
- Port of Anchorage, MOA
- NOAA, NWS
- Alaska Ocean Observing System

Geographic Response Strategies

OPA 90 Program Language
 5002 (f) (1) TECHNICAL OIL SPILL
 COMMITTEE... assess measures designed to
 prevent oil spills and the planning and
 preparedness for responding to, containing,
 cleaning up, and mitigating impacts of spills.
 5002 (f) (2) Duties – In fulfilling its
 responsibilities...
 (D) identify highly sensitive areas which may

Identify, catalog, and map cultural,
 historic, archeological, and other
 significant resources to be protected
 during oil spill response.

require specific protection
 of a spill...



Northern Cook Inlet Zone Geographic Response Strategies

May 11, 2011

ID	Location and Description	Response Strategy	Implementation	Response Resources	Flagging Area	Site Access	Resource Protection	Special Considerations
NCI-04-01	Beluga River Thatcher's water in the general area of: L26 47° 21.0' N L06 139° 54.0' W	Prevent Recovery Maximum line of recovery in the offshore is possible depending on spill location and trajectory.	Deploy line of recovery under tension spread and up current of leakage flow. Use aerial surveillance to locate recovery disks.	Deploy multiple lines of recovery under tension as required to maximize interception of oil before it reaches sensitive areas.	Collection	Use marine water and road. Chart 10000-1	None on NCI-04-01	Visual monitor should have local knowledge. Map shared with CTO during staging site. Site surveyed: 000000 NCI-0401 Tactica Committee
NCI-04-02	Beluga River L26 47° 11.0' N L06 139° 56.0' W	Direct and Collect Direct oil to marine collection point determined by spill extent and trajectory.	Transport supported by vessel (class 15-1) from on-shore and/or launch at the bridge upstream from Beluga. Deploy booms and hoses with skiffs (class 15). Place fast water boom in a staggered array at the proper angle to direct oil to collection site. Use up collection gear used and throughout the third site. Staging Location: Tide 200 ft.	Deployment Equipment: 1 skiff (fast water boom) 15-16 skiff (skiff) (1-40/16) 1 skiff (skiff) (skiff) (1-40/16) Personnel: 1 skiff (skiff) (skiff) (skiff) 1 skiff (skiff) (skiff) (skiff) 1 skiff (skiff) (skiff) (skiff) 1 skiff (skiff) (skiff) (skiff) 1 skiff (skiff) (skiff) (skiff)	Visual Platform	Use marine water and road. Chart 10000-1 By road, travel approximately 6 miles southeast from the Beluga area. Road access is adjacent to the bridge on the northeast shore.	High sensitive: spawning salmon, walrus. Marine mammals: beluga whales, seals. Birds: waterfowl concentrations. Historic cultural: wharf site, red grass, trees, intertidal resources, mammals. Human use: high recreational use, waterfowl hunting (Duck Hunt), commercial fishing. Culvert water boom may be used if light water boom is not available. 15-16 skiff allows for vessels to enter the river from Cook Inlet. Site surveyed: 000000 NCI-0402 Tactica Committee Tactical use plan	
NCI-04-03	Beluga River A. L26 47° 02.00' N L06 139° 22.50' W B. L26 47° 03.00' N L06 139° 21.00' W C. L26 47° 03.00' N L06 139° 23.00' W D. L26 47° 03.00' N L06 139° 24.00' W	Passive Recovery Place passive recovery across the large river in the distributaries and the mouth to exclude and recover oil entering the marsh.	Transport supported by skiff (class 15). Place and anchor water line or surface boom across the river in the distributaries and mouth. Explosion necessary to maintain the boom(s).	Deployment Equipment: 1 skiff (skiff) (skiff) (skiff) 15-16 skiff (skiff) (skiff) (skiff) Personnel: None on NCI-04-03 Towing: 1 skiff (skiff) (skiff) (skiff) None on NCI-04-03	Visual Platform	Use marine water Chart 10000-1	None on NCI-04-03	Use map line for operational site and water boom for non-permanent site. FWSR (Western Fisheries Specialist) should conduct site prior to operations.



Protocol Control Committee
OPA 90 Program Language:

5002 (f)(2)
(A) periodically review the respective oil spill prevention and contingency plans for the terminal facilities and for the crude oil tankers while in Prince William Sound or Cook Inlet, in light of new technological developments and changed circumstance;
(E) monitor periodic drills and testing of oil spill contingency plans for the terminal facilities and crude oil tankers while in Cook Inlet.

Public Outreach

Scholarship Program

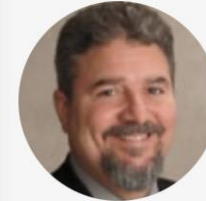


The focus of the Prevention and Response programs is to concentrate efforts in developing work plans and procedures to minimize the risk of oil discharge in the area. Projects and studies are collaborative efforts involving regulatory groups, special interest groups, and the public.



Section 5002 of the Oil Pollution Act of 1990 details the formation and mandates of a committee for oil spill prevention, safety and emergency response. CIRCAC subsequently formed the PROPS (Prevention, Response, Operations and Safety) Committee to address those mandates.

The PROPS Committee focuses on projects and studies that

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Catalano

Director of Operations

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Upcoming Events

- September – Kenai Harbor Commission
- October - Marathon Drill
- November - CIRCAC Board of Directors Meeting (Anchorage)

Thanks Grace!



CONTACT

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