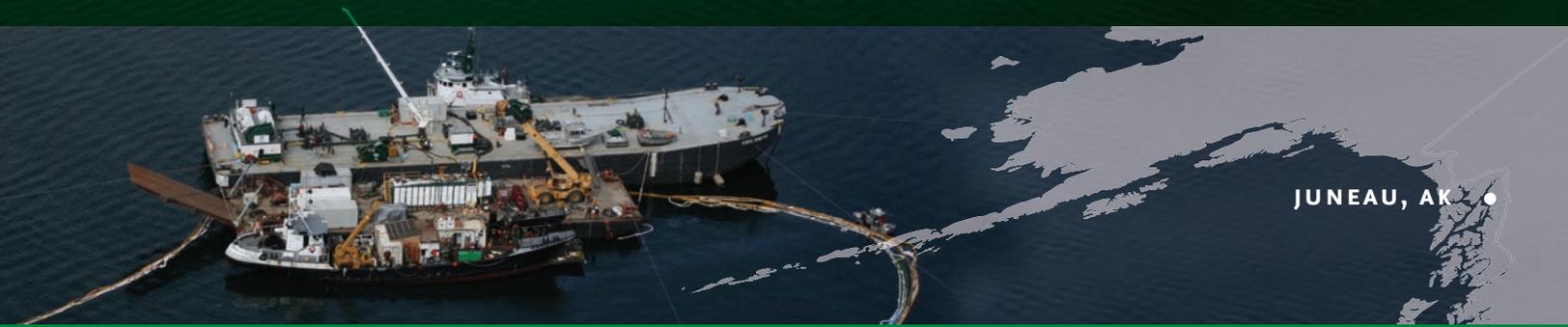


PROJECT OVERVIEW

ALASKAN SHIPWRECK FUEL REMOVAL



THE PROJECT:

Assisted in heavy bunker fuel removal from the wreckage of the *Princess Kathleen*, which sank after grounding on Point Lena near Juneau, Alaska, in 1952. In order to mitigate potential environmental damage, Foss worked in conjunction with Global Diving & Salvage, the U.S. Coast Guard and the Alaska Department of Environmental Conservation to extract over 300,000 gallons of bunker fuel and oily water from the wreck and transport it to a waste oil-recycling center. To secure the vessels on location, Foss designed and installed a four point mooring system aboard the barge.

SERVICES PROVIDED:

- Salvage Operations
- Marine Engineering
- Pollution Control Equipment
- Project Cargo & Logistics
- Subsea Site Survey & Mapping

HIGHLIGHTS:

- Provided the tank barge *Foss 248 P-2*, and the ocean-going tug the *Halle Foss* to assist in the fuel removal and transportation
- Provided project management and a project team for 24 hour operations lasting over 90 days
- Worked within the USCG National Incident Management System (NIMS)
- Designed a site specific mooring system to secure the response vessels above the *Princess Kathleen*, which lay on a slope between 52 and 134 feet depths within 1000 feet of Lena Point
- Deployed oil spill response equipment and materials from the barge to contain free floating oil