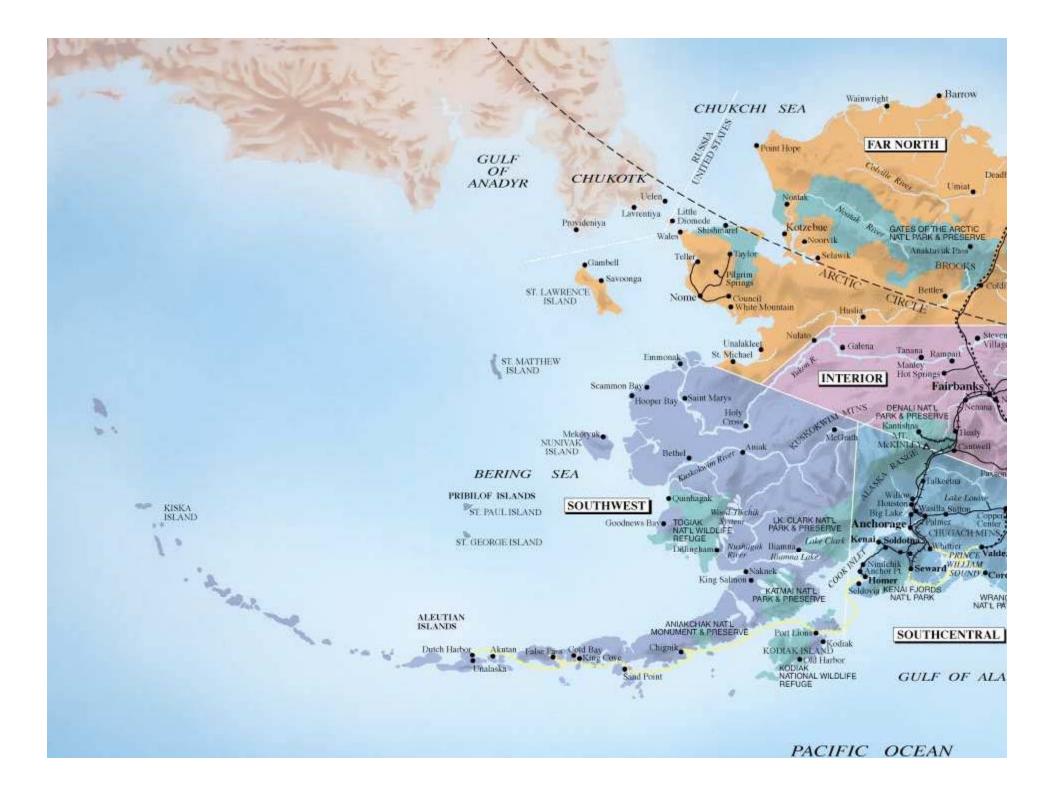
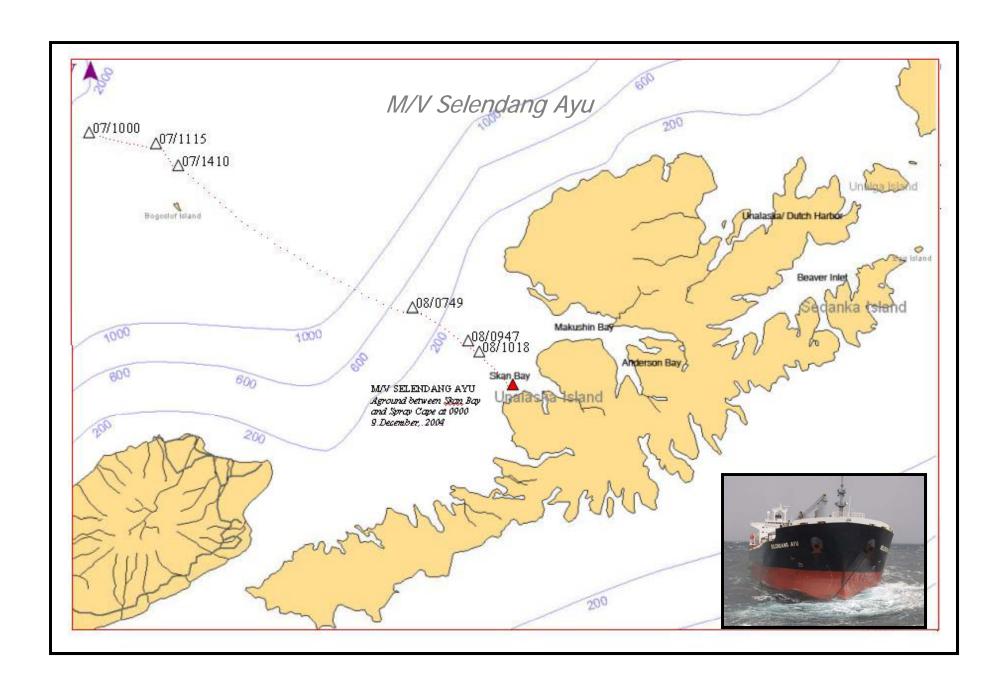


Characteristic Aleutians Response

- Foreign flag vessel on innocent passage
- •Lack of spill response vessels
- •Economically important fisheries
- Subsistence resources
- •Remote location logistics
- Extreme weather and operating conditions

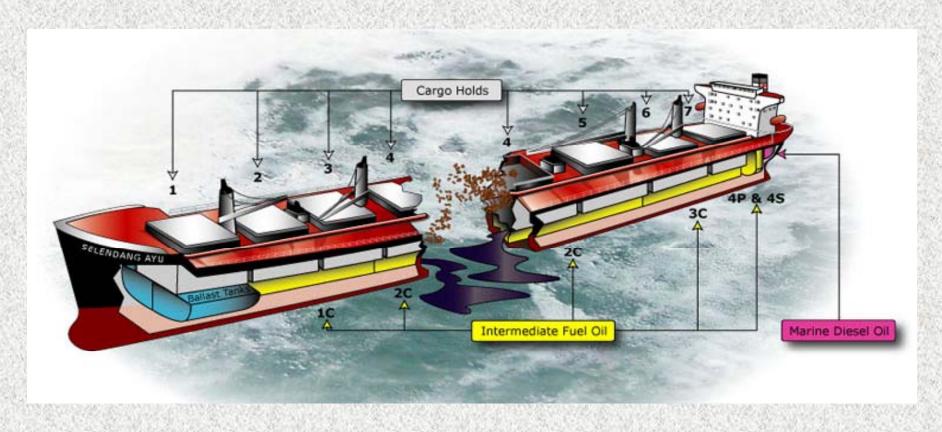


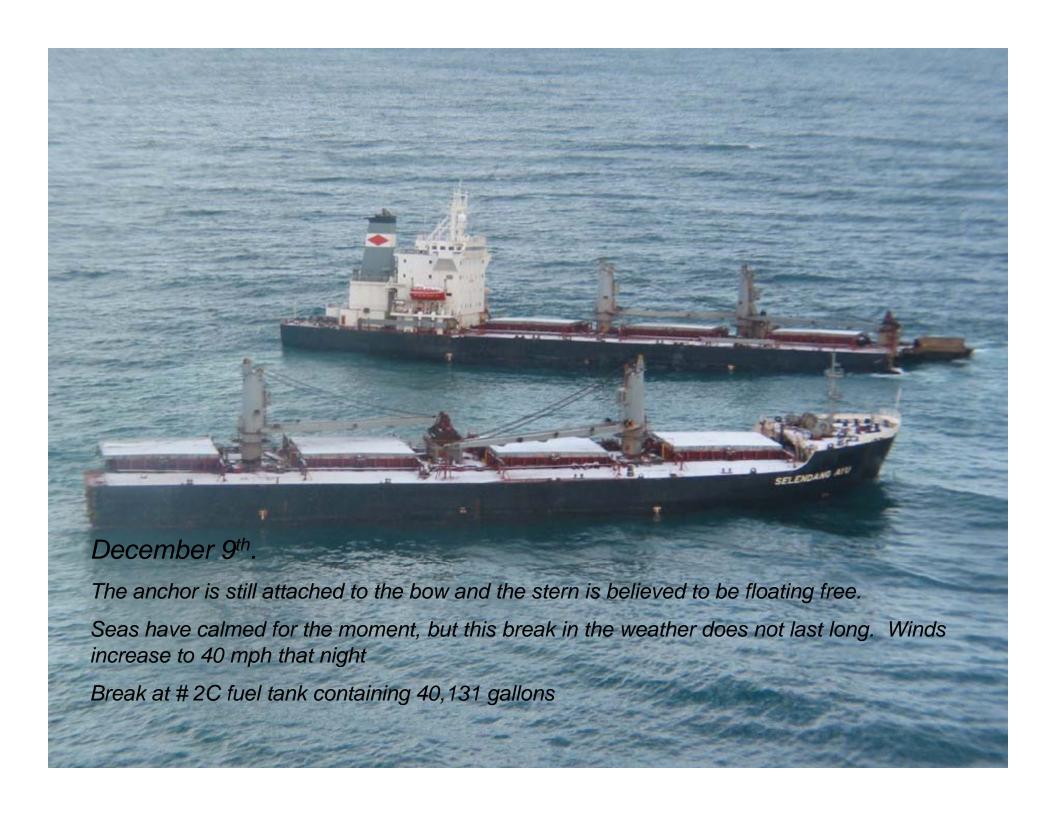






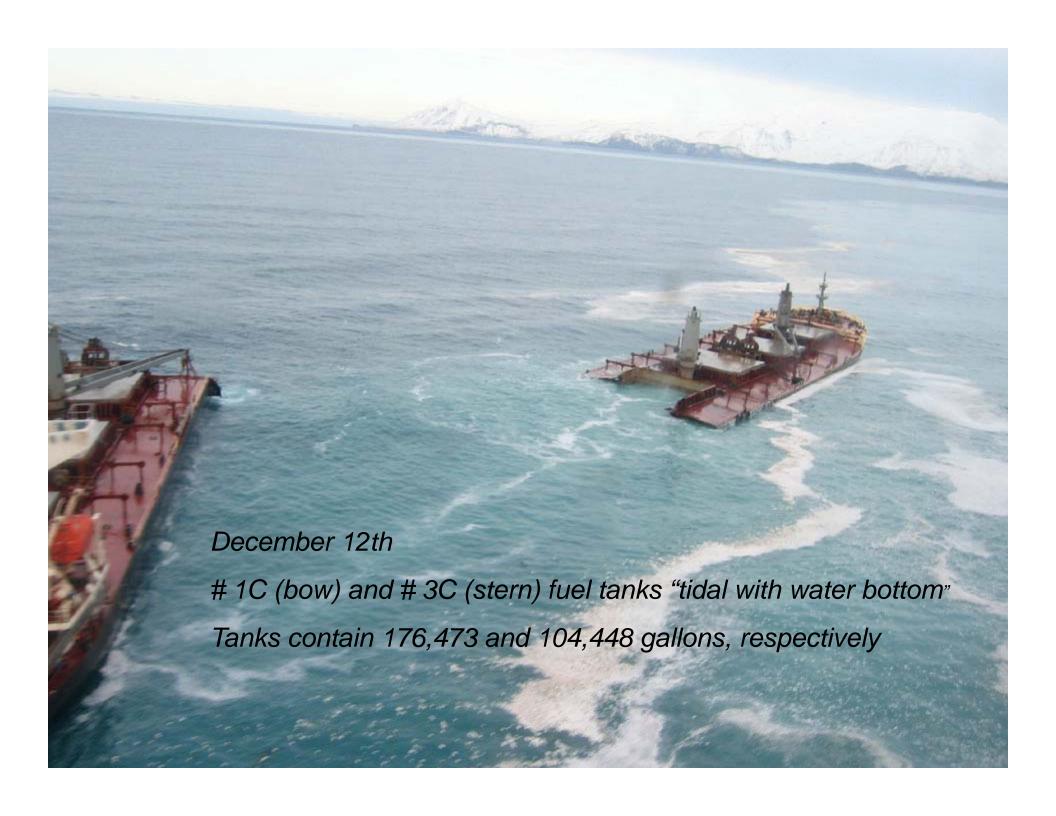
Double bottom fuel tanks present a lightering challenge









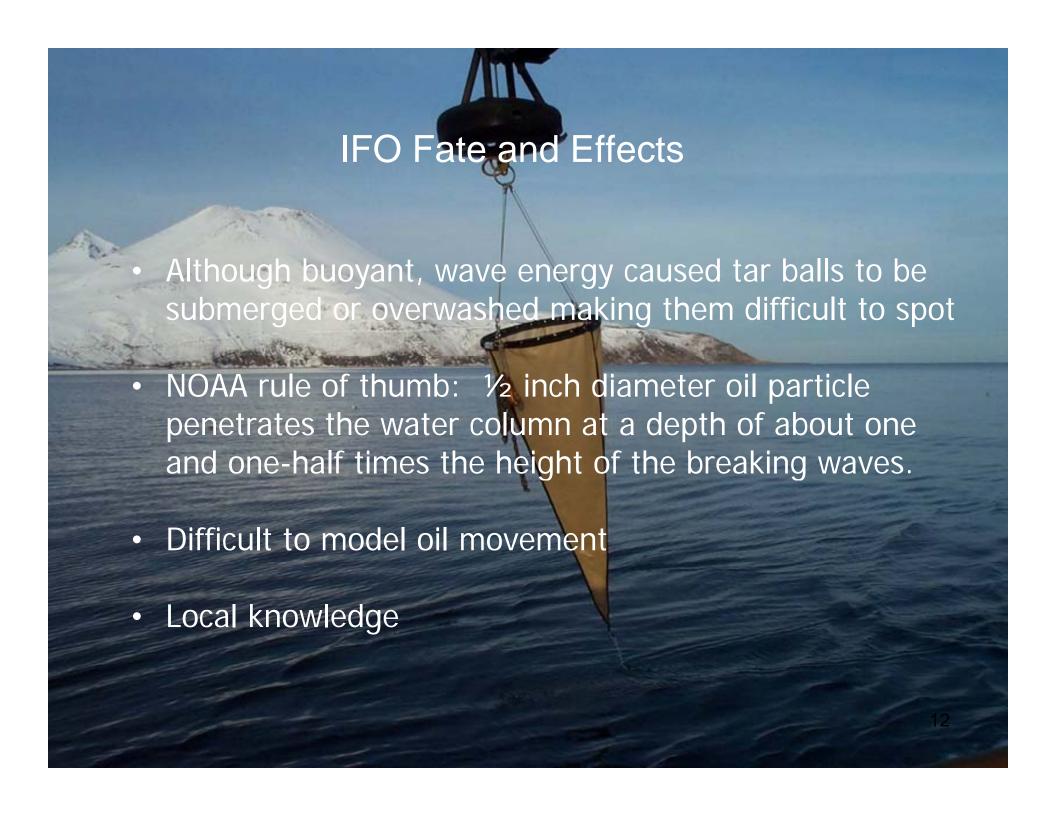


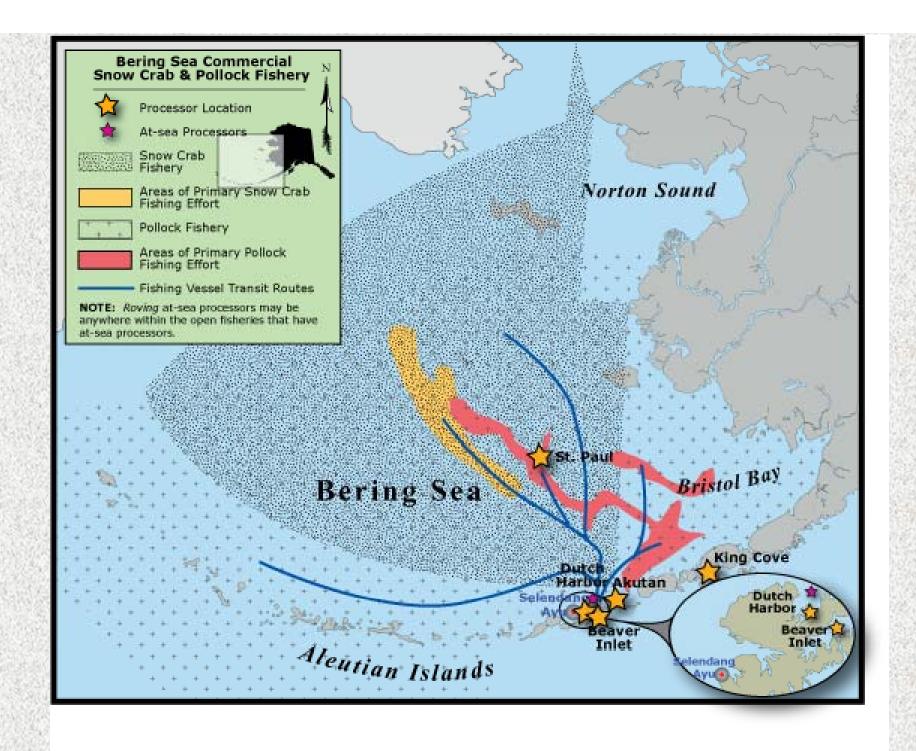
Heavy fuel oils can defy conventional spill tracking methods

- With a density of 0.989 g/cc, IFO 380 has the consistency of honey
- Large breaking waves were the primary mixing mechanism
- Viscous oil quickly broken into pancakes and blobs, eventually forming tar balls









Water Quality Monitoring





- Whole water samples
- Tow net trawls
- "Pom Pom" packs in RSW tanks
- Crab pots with oil snare



Observations



- Tar balls randomly dispersed, small in size
- Most likely to encounter tar balls in convergence zones

- No tar balls encountered in Akutan Bay or transit lanes
- In Unalaska area, tar balls were encountered as far offshore as 12 nm

Tow Net Oiling Observations

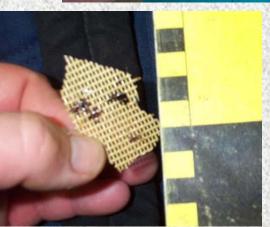


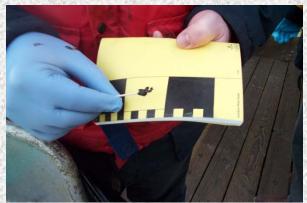


Trace oiling

1-2 mm tar balls



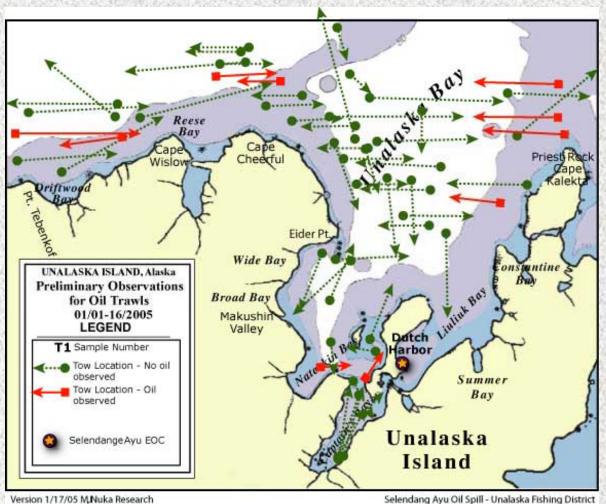






Largest tar balls to date

Composite Map of Tow Net Data January 1st to 16th – Unalaska



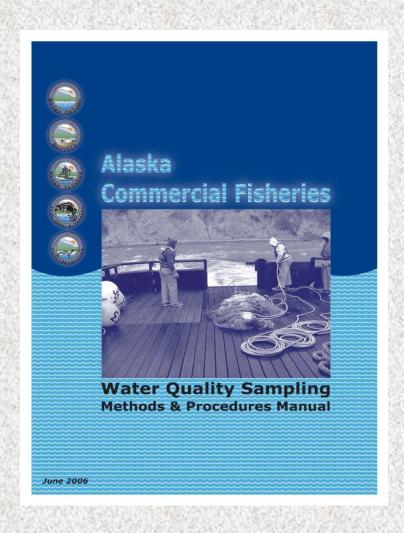
Selendang Ayu Oil Spill - Unalaska Fishing District Water and Seafood Quality Sampling Plan

Red tows indicate oil encounter



- No contaminated seafood found by ADEC seafood inspectors
- Daily public meetings
- Vessel advisories Recommended tracklines to Dutch Harbor
- Notice to Pollock and Cod Catcher Boats "Pom Pom" Packs
 - Fisheries Managers Work Group

We captured what we learned about tracking tarballs and protecting fisheries



Offshore Recovery:



"Current Buster"

 Very little recoverable oil offshore



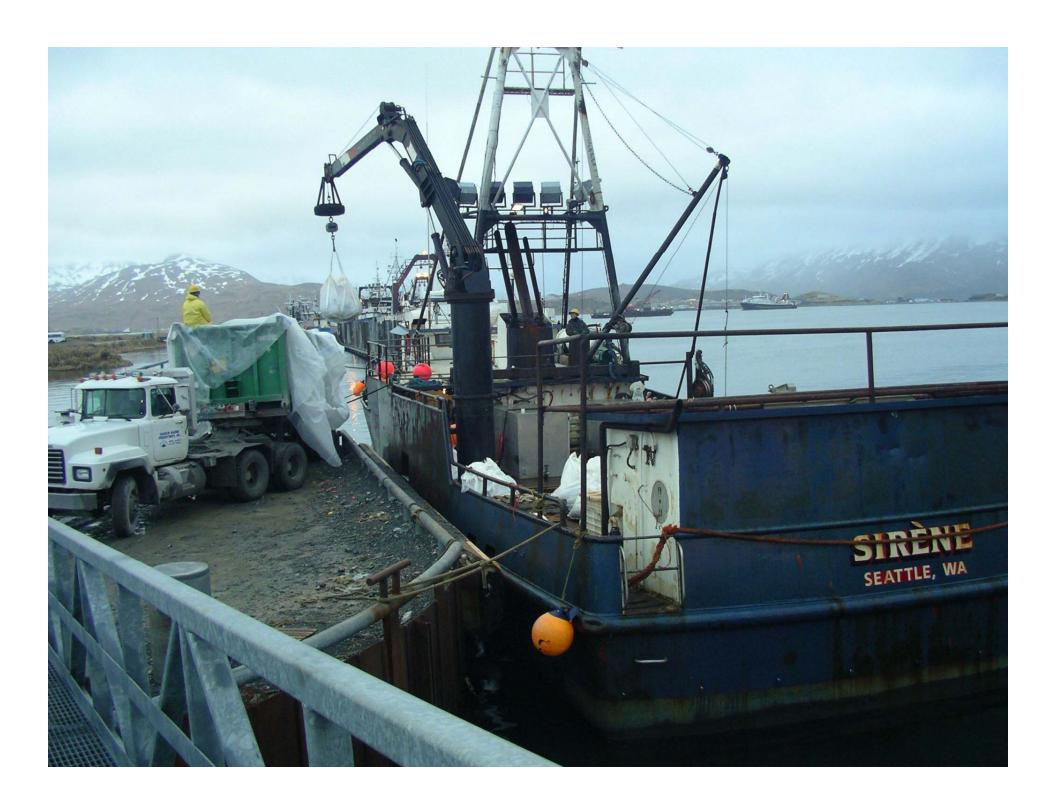














We learned a great deal about shoreline cleanup











Alaska Shoreline Cleanup Guidance Manual

- Presents requirements, policies, and expectations for cleanup of oil-impacted shorelines
- Identifies current treatment techniques for consideration during shoreline cleanup operations
- Outlines cleanup approval process and prescribed controls required for specific techniques
- Establishs statewide standard for shoreline cleanup of persistent oiling.
- Captures cleanup endpoint criteria.



Making Winter Decisions

- The Unified Command decide when to suspend cleanup and response operations for the winter season (February 9, 2005).
- Decision was made based on a number of factors, including the following three significant accomplishments:
 - The opilio crab fishery completed with no tainted product.
 - Lightering operations completed.
 - Successful completion of gross oil removal on approximately 70% of the oiled shorelines identified as areas very likely to have oil remobilized through tidal and wave activity.
 - Weather conditions deteriorated and prevented cleanup crews from landing on beaches for nine of the past twelve days. Local knowledge says weather conditions in February and March are typically worse than January.
 - Water-quality sampling and wildlife recovery operations will continue as weather permits.

What About the Soybeans?





- Loaded in Port of Seattle
 - 132 million pounds of dried #2 yellow soybeans
- Human consumption-
 - No pesticides or preservatives
- Up to 2% other materials
 - Other grains
 - Dust/stems
 - Seed pods
 - Weed seeds
- May sprout, but zero % chance of viability
- A common agricultural commodity
 - Not hazardous, will degrade naturally



- The un-oiled soybeans are regulated as solid waste by the state.
- SCAT assessment teams assessed the amount and condition of the soybeans on the shoreline. Since rate of decomposition was acceptable to the state, ADEC did not require temoval.

ptable to the state, ADEC would have required removal from the shoreline.