

TRACTS PREVIOUSLY LEASED IN SALE NO. CI

Sources of Sighting Data

Calkins, D. 1980. Personal Communication. Cetacean Sightings Collected (1976-1979) Incidental to Other Marine Mammal Investigations (Including Outer Continental Shelf Environmental Assessment Program Research Units 229, 293, and 243) in Lower Cook Inlet and the Kodiak Island Area, Alaska Department of Fish and Game.

Delaney, R. L. 1980. Personal Communication. Recent sea mammal observations, Kodiak National Wildlife Refuge.

Forsell, D. 1980. Personal Communication. Cetacean Sightings Collected (1975-1980) Incidental to the Investigations of Outer Continental Shelf Environmental Assessment Program Research Unit 337, U.S. Fish and Wildlife Service.

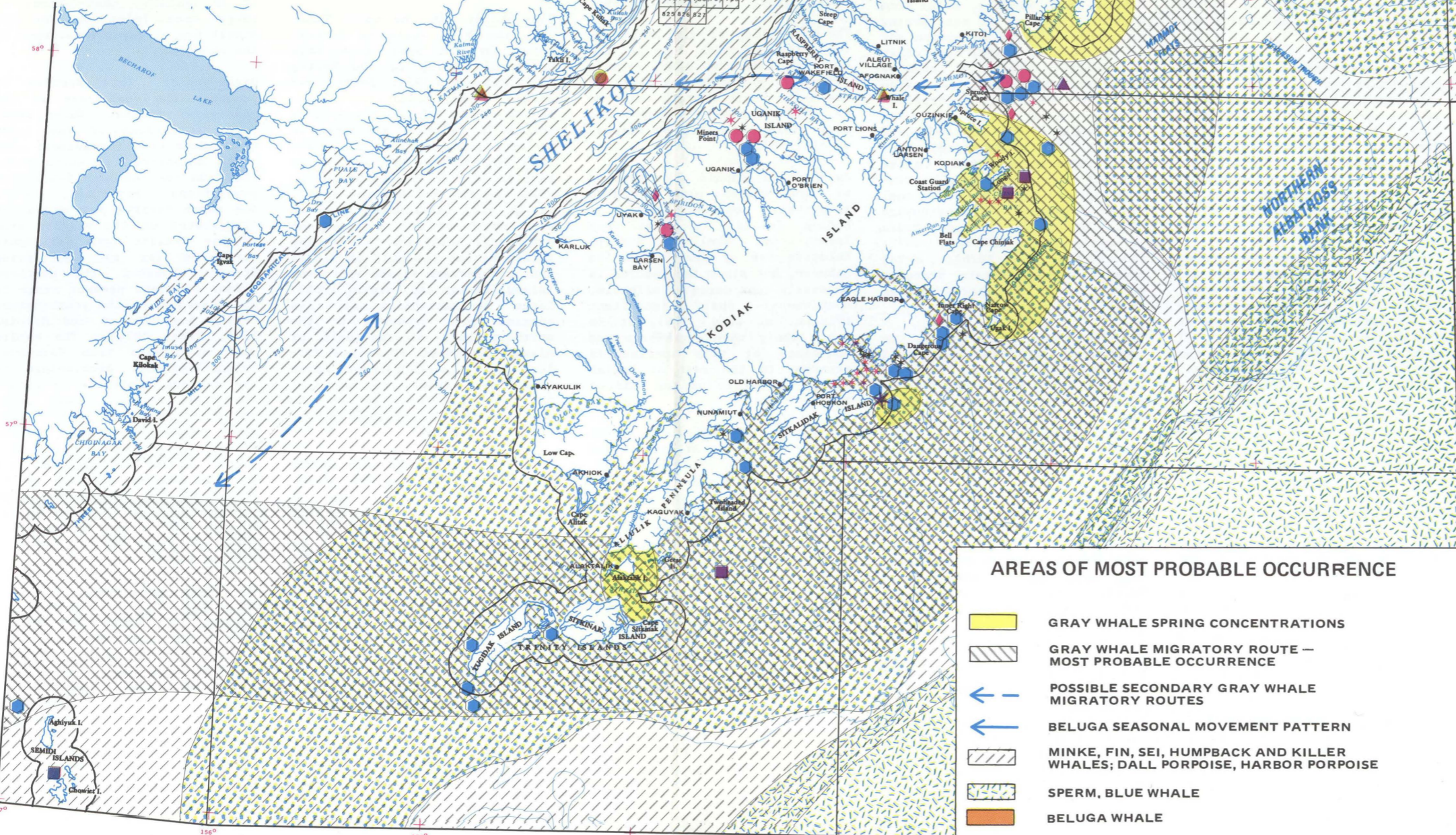
Harrison, C. S. and J. D. Hall. 1978. Alaska Distribution of the Beluga Whale, *Delphinapterus leucas*. Canadian Field Naturalist, Vol. 92, No. 3, pp. 235-241.

Murray, N. 1979. Beluga Whales in Lower Cook Inlet. Environmental Assessment of the Alaskan Continental Shelf. Annual Reports of Principal Investigators for the Year Ending March 1979, Vol. 1, Research Unit 243. Boulder, CO: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program (OCSEAP), pp. 172-208.

Other Sources

Science Applications, Inc. 1979. "Figure E.1.3.c." Environmental Assessment of the Alaskan Continental Shelf, Kodiak Interim Synthesis Report. Prepared for U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Boulder, CO. p. 89.

Fiscus, C. H., et al., 1976. "Seasonal Distribution and Relative Abundance of Marine Mammals in the Gulf of Alaska (partial final)." Environmental Assessment of the Alaskan Continental Shelf. Quarterly Reports of the Alaskan Continental Shelf. Quarterly Reports of Principal Investigators, Vol. 1, Research Unit 68. Boulder, CO: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program (OCSEAP), pp. 19-264.



AREAS OF MOST PROBABLE OCCURRENCE

- GRAY WHALE SPRING CONCENTRATIONS
- GRAY WHALE MIGRATORY ROUTE - MOST PROBABLE OCCURRENCE
- POSSIBLE SECONDARY GRAY WHALE MIGRATORY ROUTES
- BELUGA SEASONAL MOVEMENT PATTERN
- MINKE, FIN, SEI, HUMPBACK AND KILLER WHALES; DALL PORPOISE, HARBOR PORPOISE
- SPERM, BLUE WHALE
- BELUGA WHALE
- PROBABLE IMPORTANT FEEDING AREAS - CETACEANS

\* Cetacean Species not shown are discussed in accompanying text.

MAP INTERPRETATION

In addition to general distribution patterns, this map portrays a limited amount of information on the sightings of cetaceans in the proposed sale 60 area. Geographical and seasonal variation in observer effort and variation among observers' abilities to identify cetaceans are sources of bias in such data. We have utilized recent and reliable sightings which were available at the time of the map preparation. It is our intent to illustrate here known recent occurrences and general patterns of cetacean distribution in the proposed sale area rather than to describe definitively temporal changes in distribution or densities of endemic cetaceans. As compared to areas east of Kodiak Island, the lower Cook Inlet and Shelikof Strait have received less overall effort in cetacean investigations. Nevertheless, available sighting data has been plotted here to further document the occurrence of certain species in the area and to assist in the delineation of areas of most probable occurrence of such species. Recent sightings of species such as Dall and harbor porpoise have not been plotted due to their general abundance and widespread occurrence in the sale area, particularly in the Gulf of Alaska.

It is suggested that the reader review accompanying text for information on relative abundance and distribution of cetaceans in the proposed sale 60 area.

**Alaska**  
**Outer Continental Shelf Office**  
 LOWER COOK INLET -  
 SHELIKOF STRAIT  
 Sale No. 60  
 GRAPHIC NO. 12

ENDANGERED SPECIES AND  
 NON-ENDANGERED CETACEANS \*

ENDANGERED CETACEAN RECENT SIGHTINGS  
 (1975 - 1980)

- GRAY WHALE
- HUMPBACK WHALE
- FIN WHALE
- SEI WHALE
- SPERM WHALE

ENDANGERED BIRDS

- SUSPECTED OCCURRENCE OF ALEUTIAN CANADA GOOSE

NON - ENDANGERED CETACEAN RECENT SIGHTINGS

- BELUGA WHALE (APRIL-AUGUST)
- BELUGA WHALE (SEPTEMBER-MARCH)
- MINKE WHALE
- KILLER WHALE
- BAIRD'S BEAKED WHALE
- RIGHT WHALE DALPHIN