Alaska Outer Continental Shelf

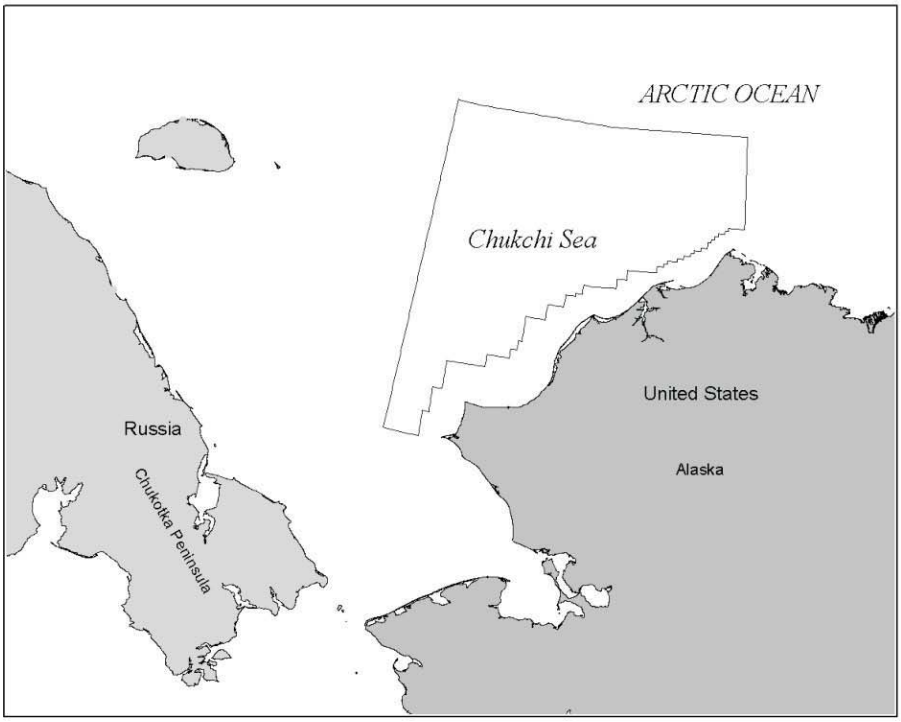
OCS EIS/EA
MMS 2006-060

# Chukchi Sea Planning Area

## Oil and Gas Lease Sale 193 and Seismic Surveying Activities in the Chukchi Sea

Draft Environmental
Impact Statement

Volume II
Tables, Figures, Maps, and Appendices




U.S. Department of the Interior
Minerals Management Service
Alaska OCS Region

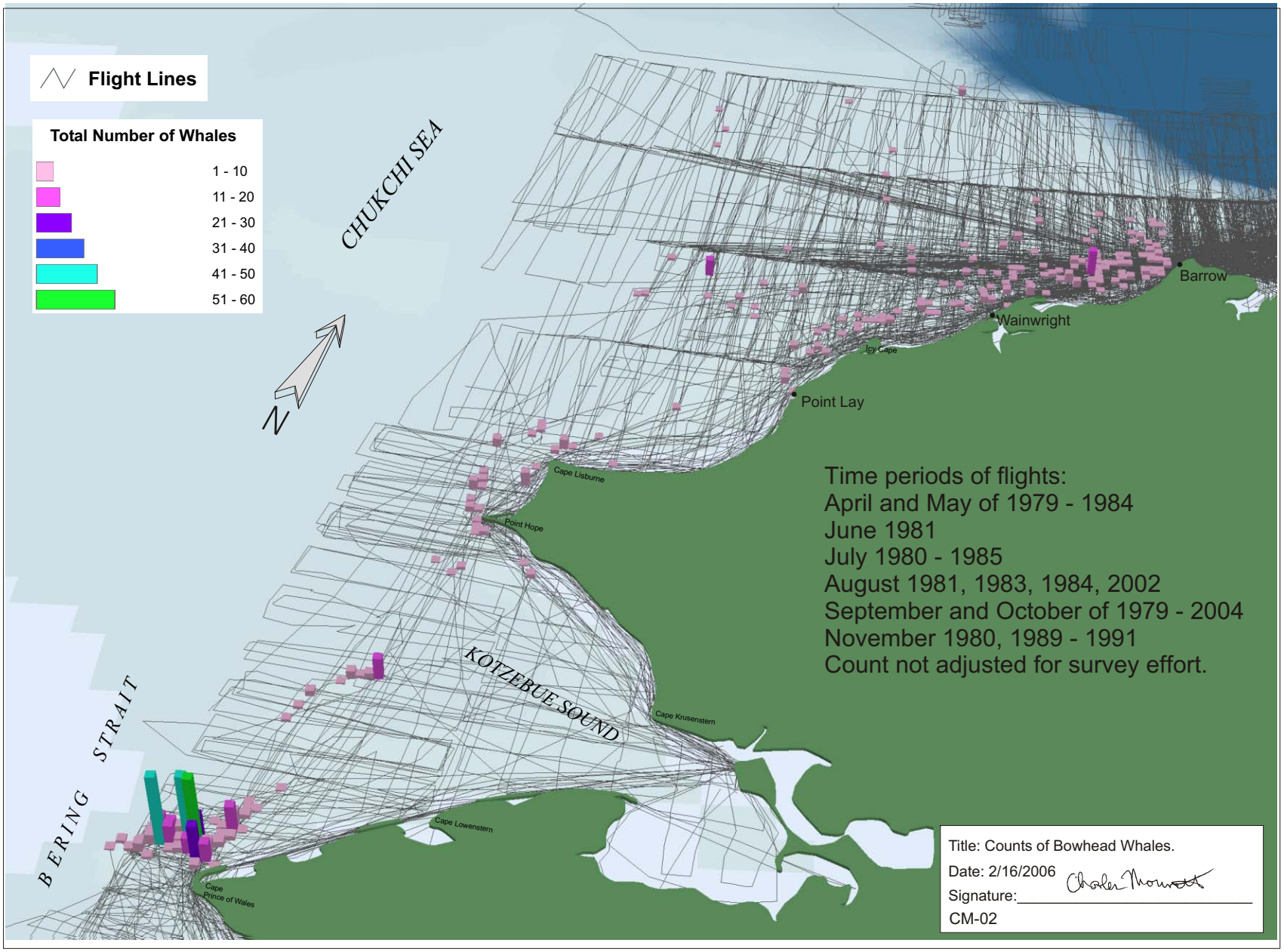
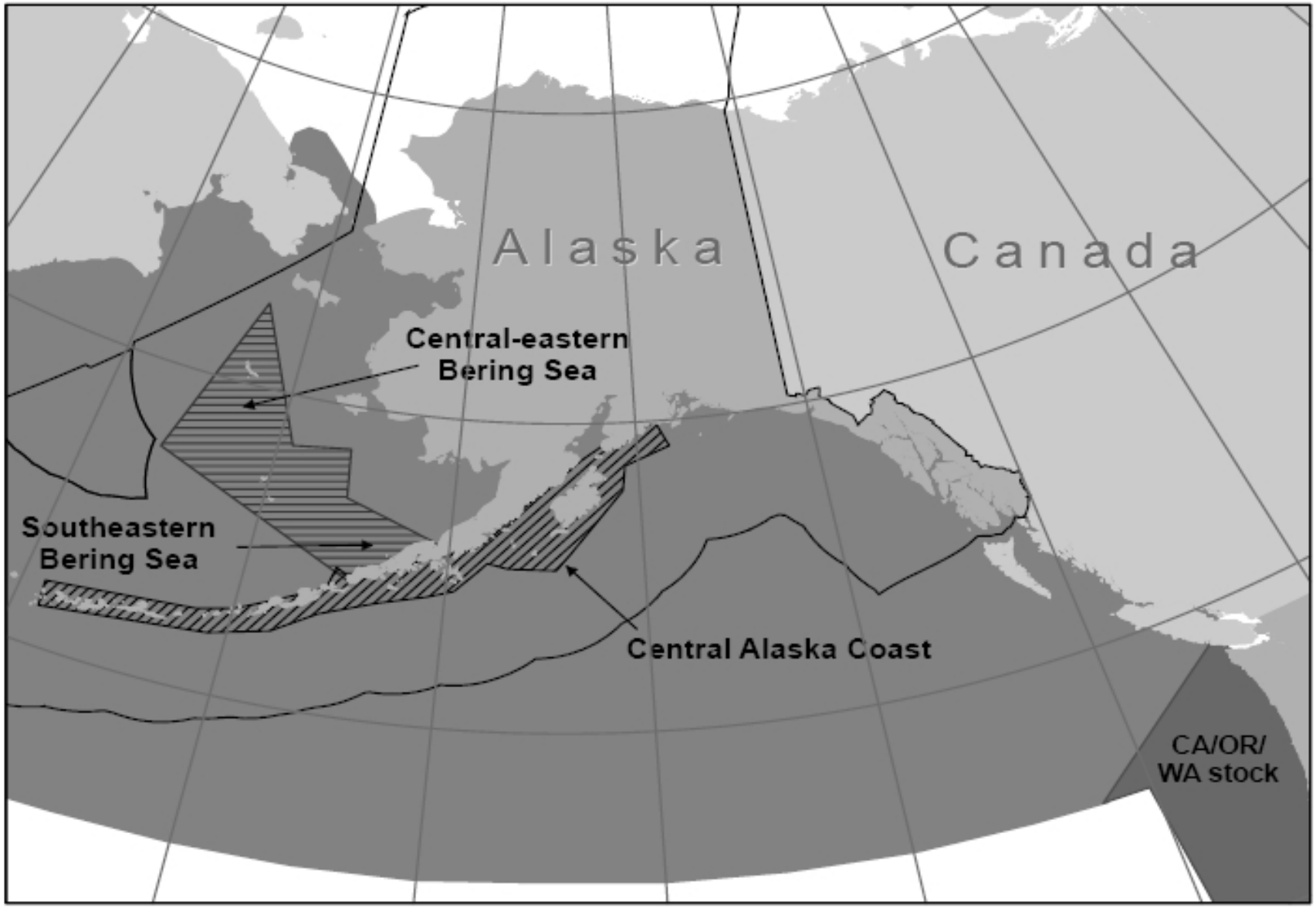
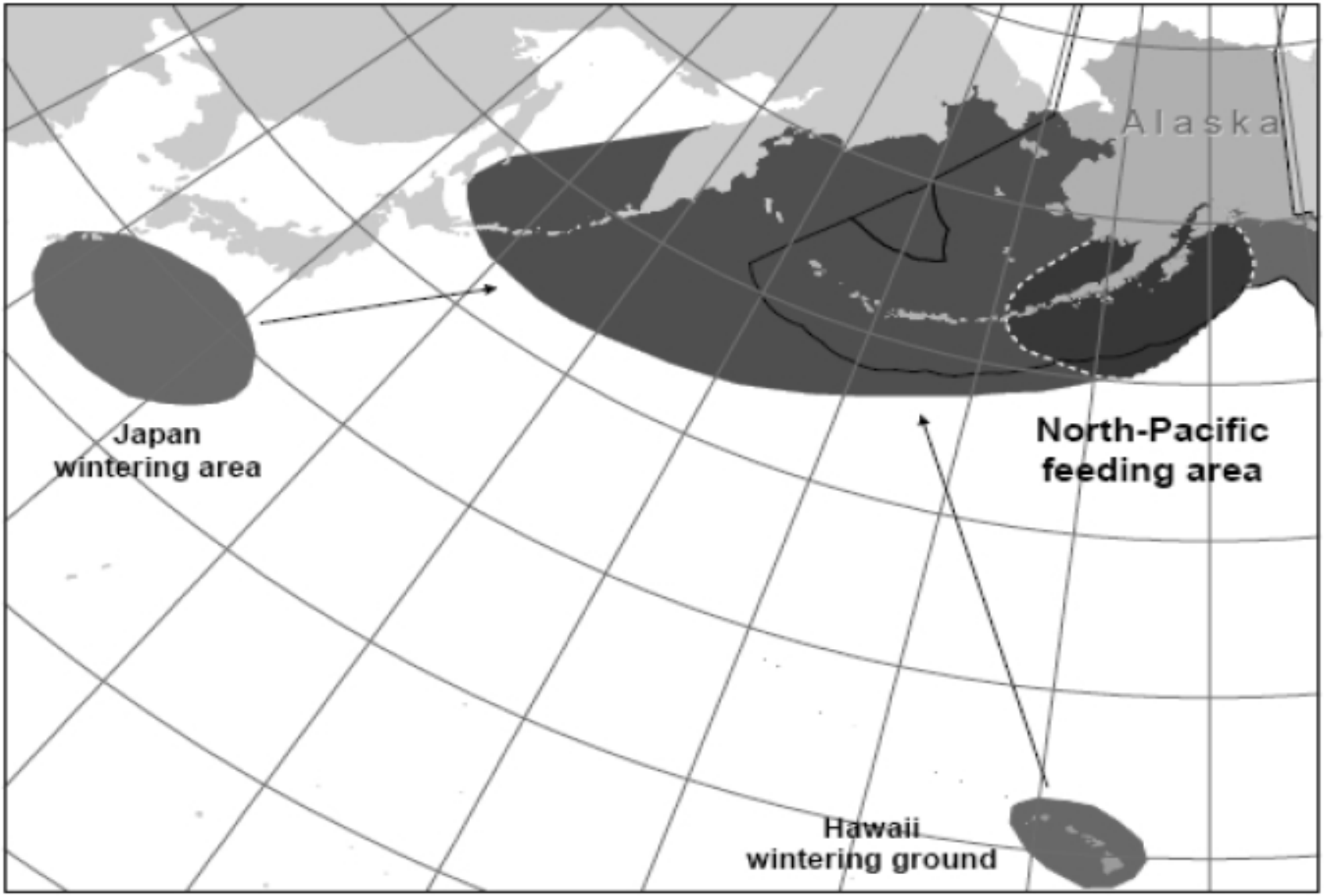



Figure III.B-4. Counts of Bowhead Whales in the Chukchi Sea taken by the MMS Bowhead Whale Aerial Survey Project (Counts are aggregated on a 5-km grid).



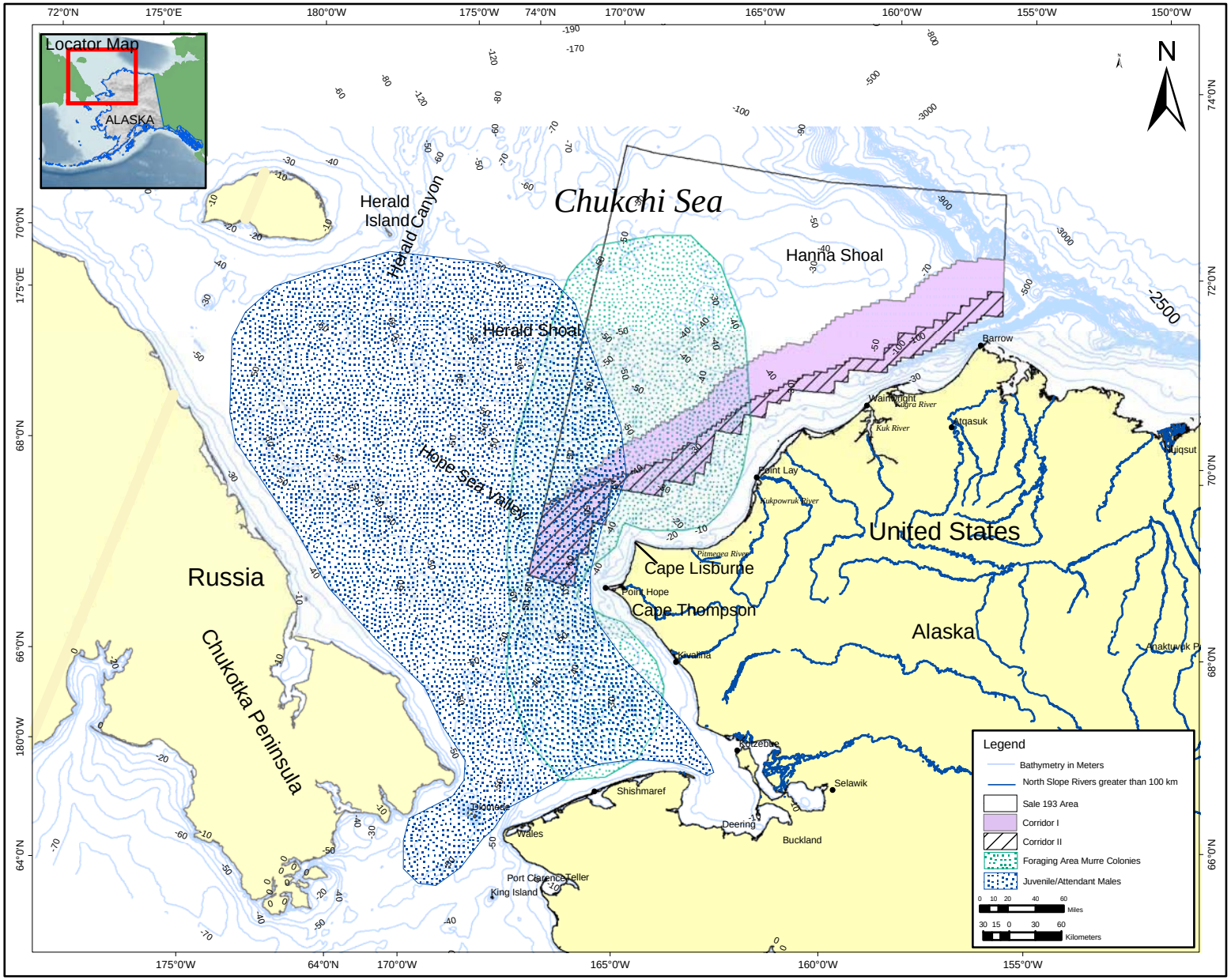

Source: Angliss and Lodge (2005 [Rev. 10/21/04]: Fig. 40)

Figure III.B-5 Approximate Distribution of Fin Whales in the Eastern North Pacific (shaded areas). Enclosed Area Indicates General Location of the Pollock Surveys from which Regional Estimates of the Fin Whale Population was made.




Source: Angliss and Outlaw (2005 [Rev. 1/12/06]: Fig. 38)

Figure III.B-6 Approximate Distribution of Humpback Whales in the Western North Pacific (shaded area). Feeding and Wintering Grounds are Presented. (Area within the dotted line is known to be an area of overlap with the Central North Pacific stock. See Figure 39 in Angliss and Outlaw (2005) for humpback whale distribution in the eastern north Pacific.)




Source: Hatch et al., 2000

Figure III.B-7 Approximate Areas used by Cape Lisburne and Cape Thompson Common and Thick-Billed Murre Colonies when Foraging in Summer and by the Juvenile and Attendant Males during the Post-Nesting Period (late August through mid-November).

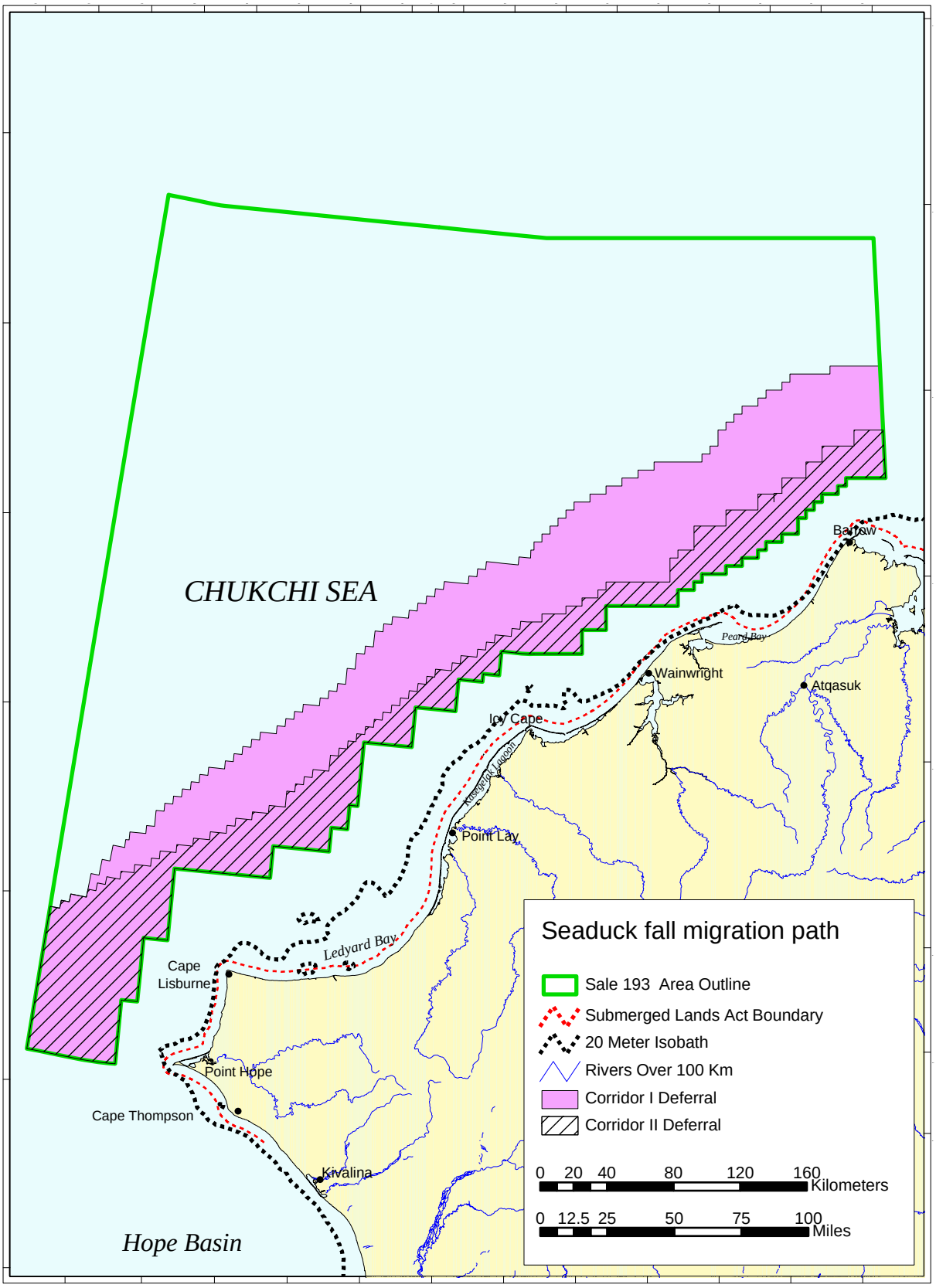



Figure III.B-8. Approximate Sea Duck Migration Distances from Shore for King Eiders, Common Eiders and Long-Tailed Ducks In Fall (these three species tend to migrate along the 20-meter isobath).

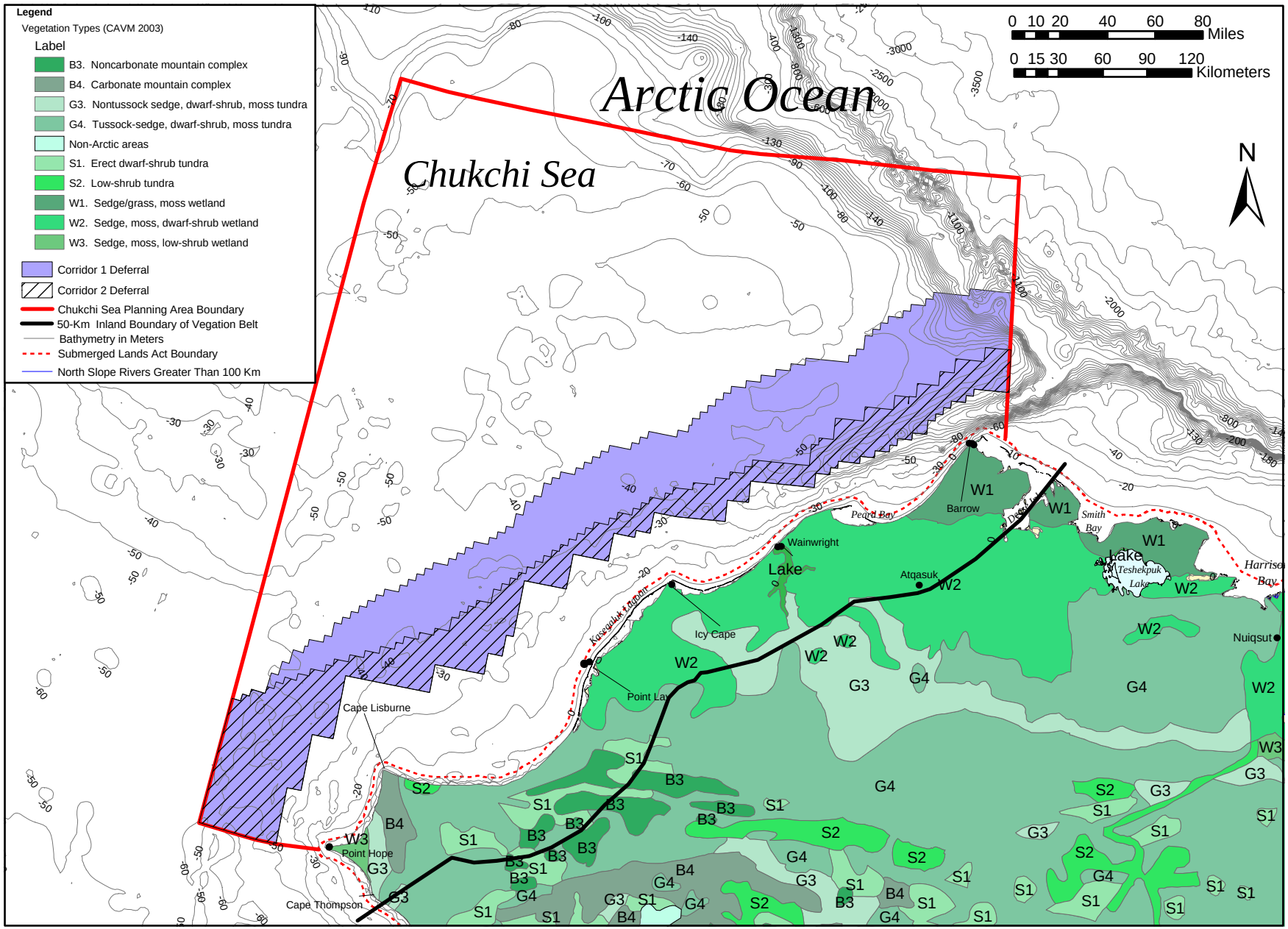
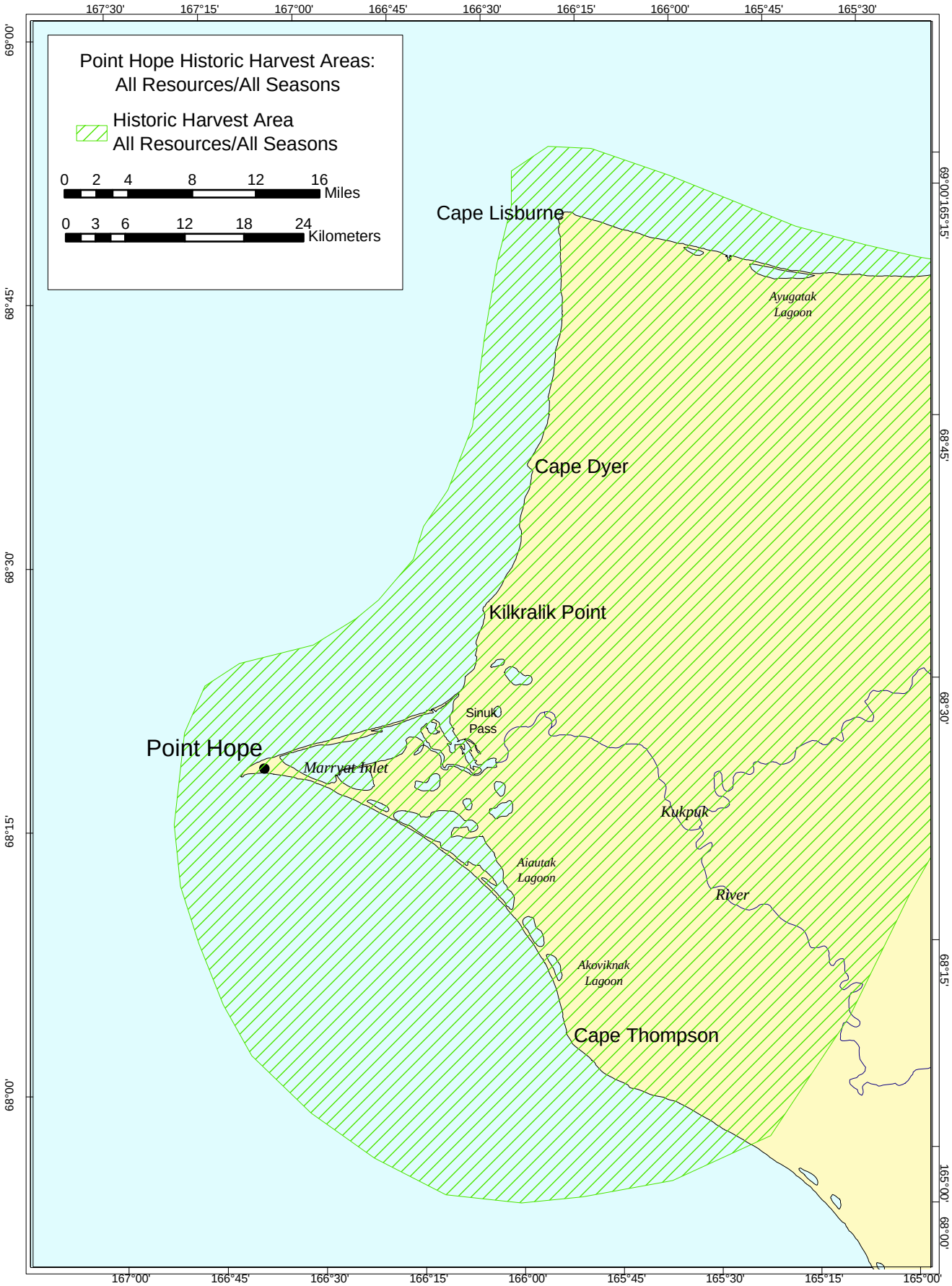
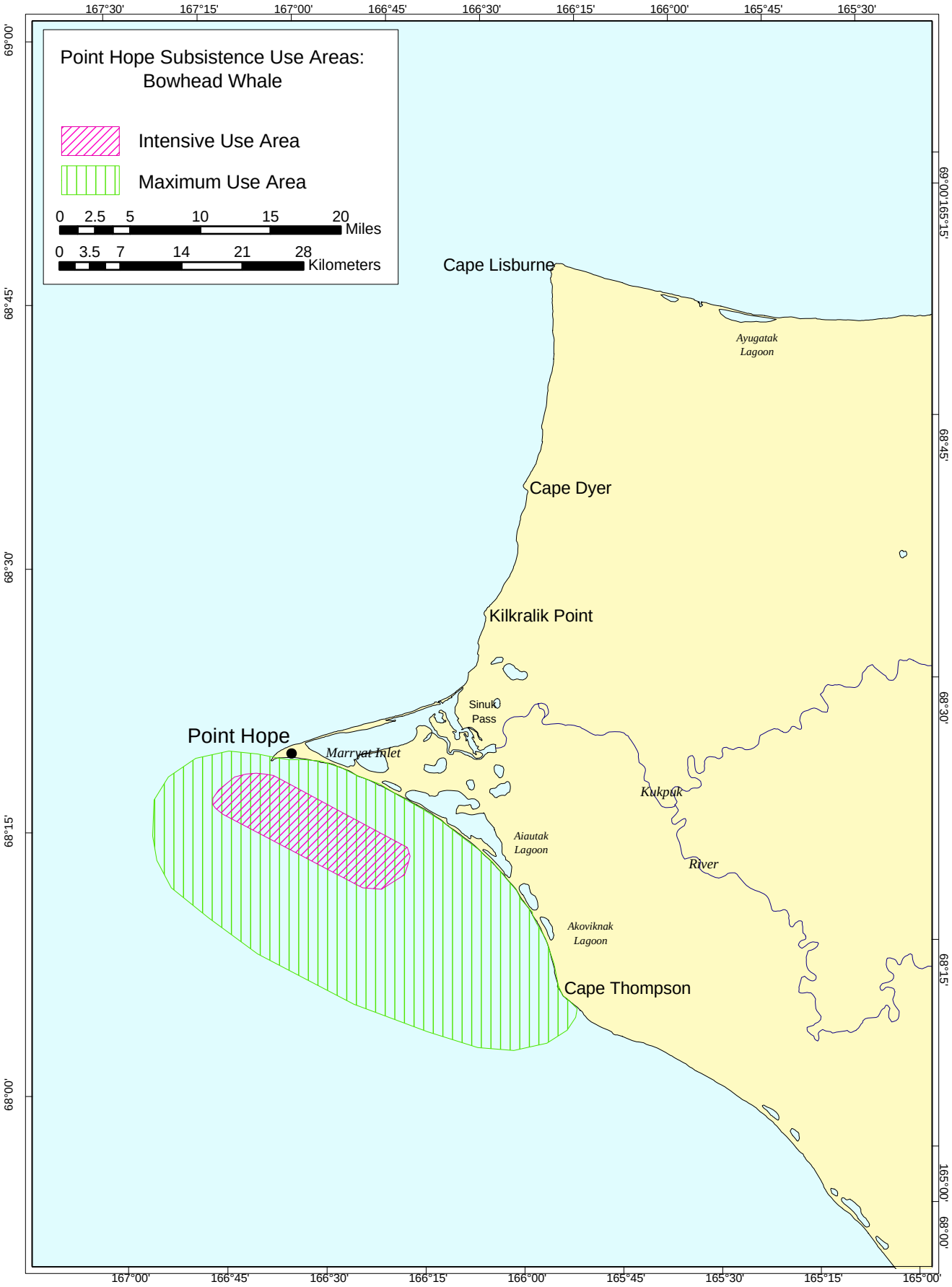



Figure III.B-9 Vegetation and Wetlands within a 50-km Belt from the Chukchi Shoreline.



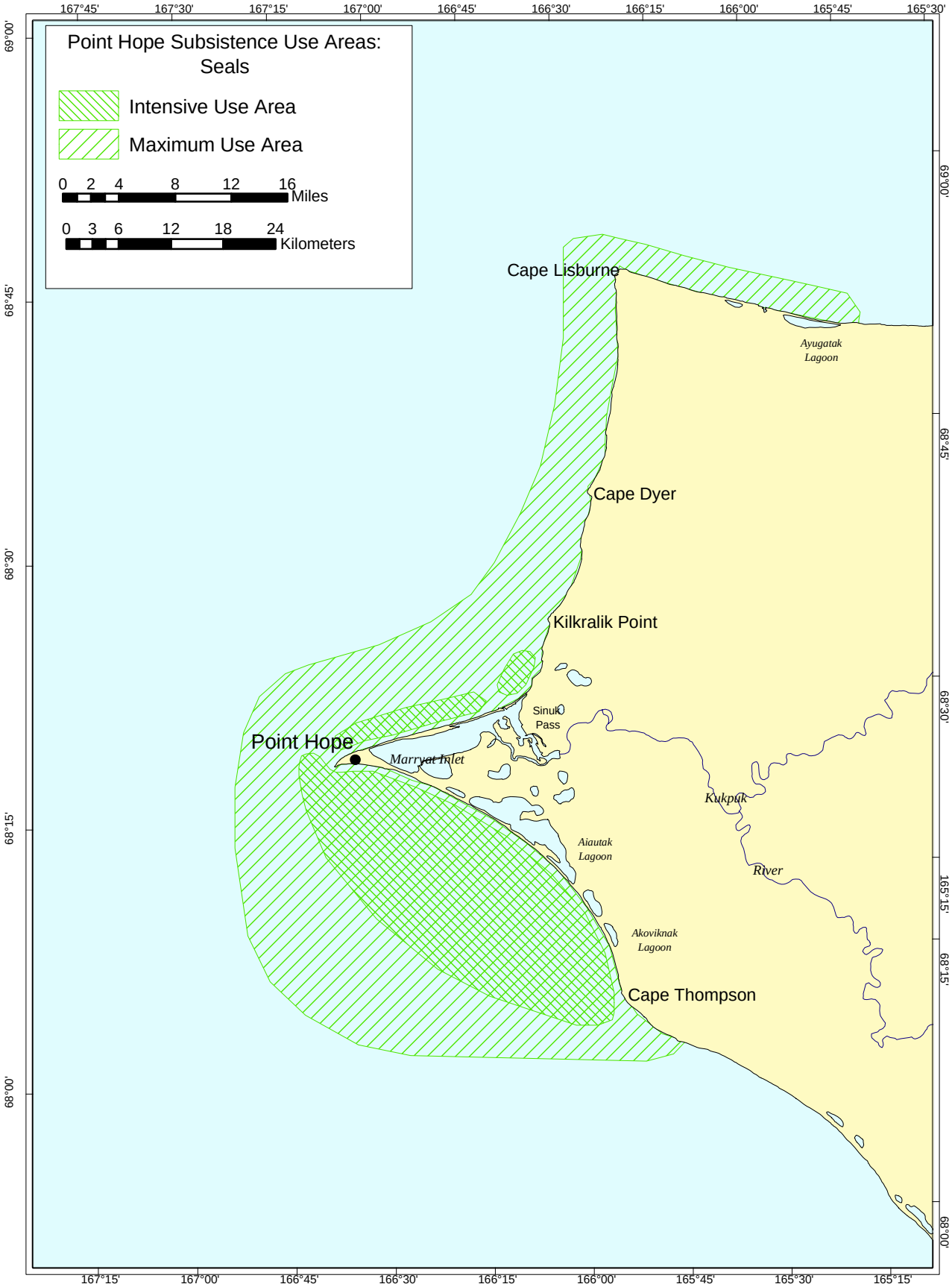

Source: From Braund and Burnham, 1984; Pedersen, 1977.

Figure III.C-1 Point Hope Historic Subsistence-Harvest Areas: All Resources/All Seasons.



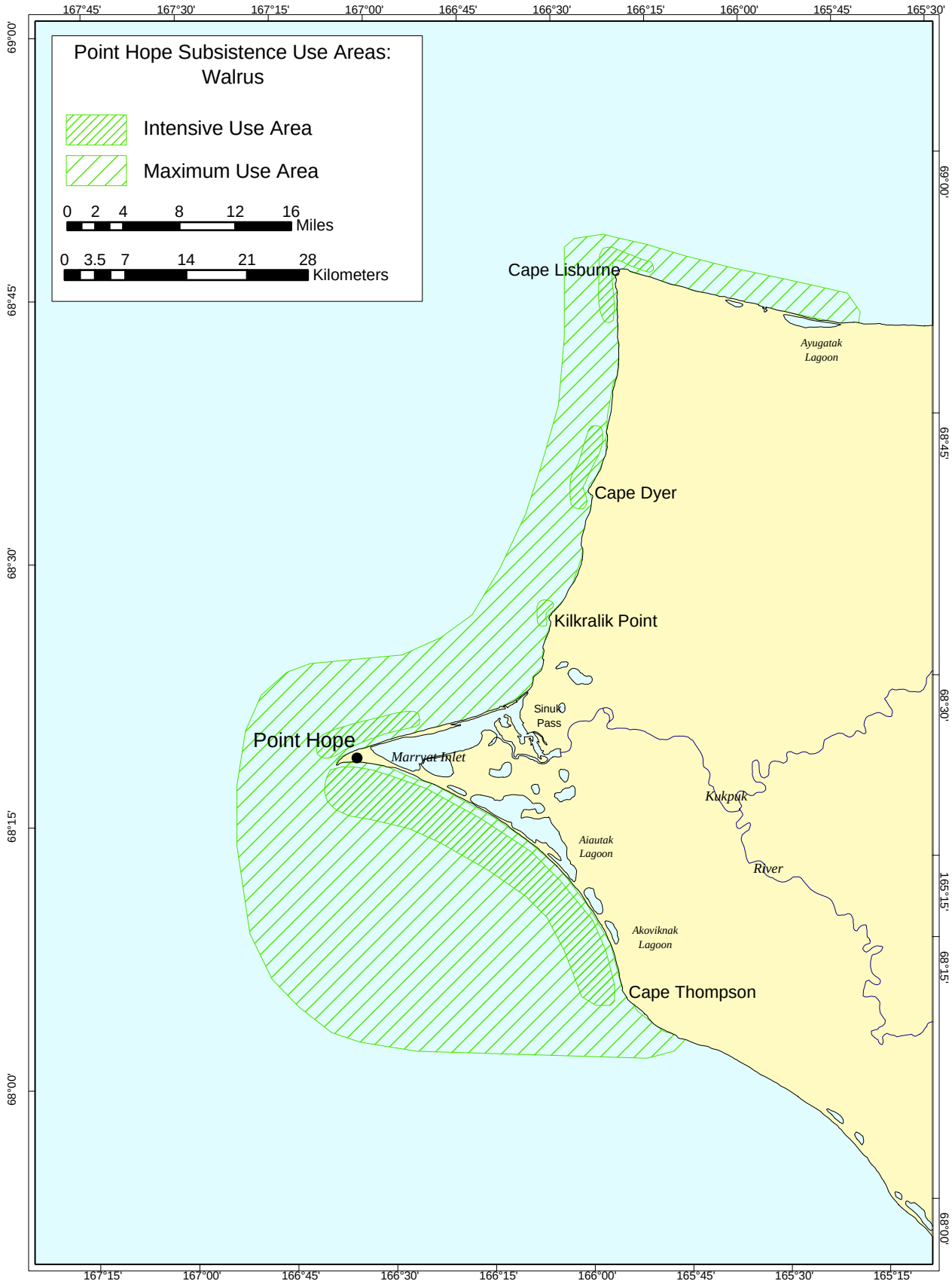

Source: Braund and Burnham, 1984.

Figure III.C-2 Point Hope Subsistence-Use Areas: Bowhead Whale.



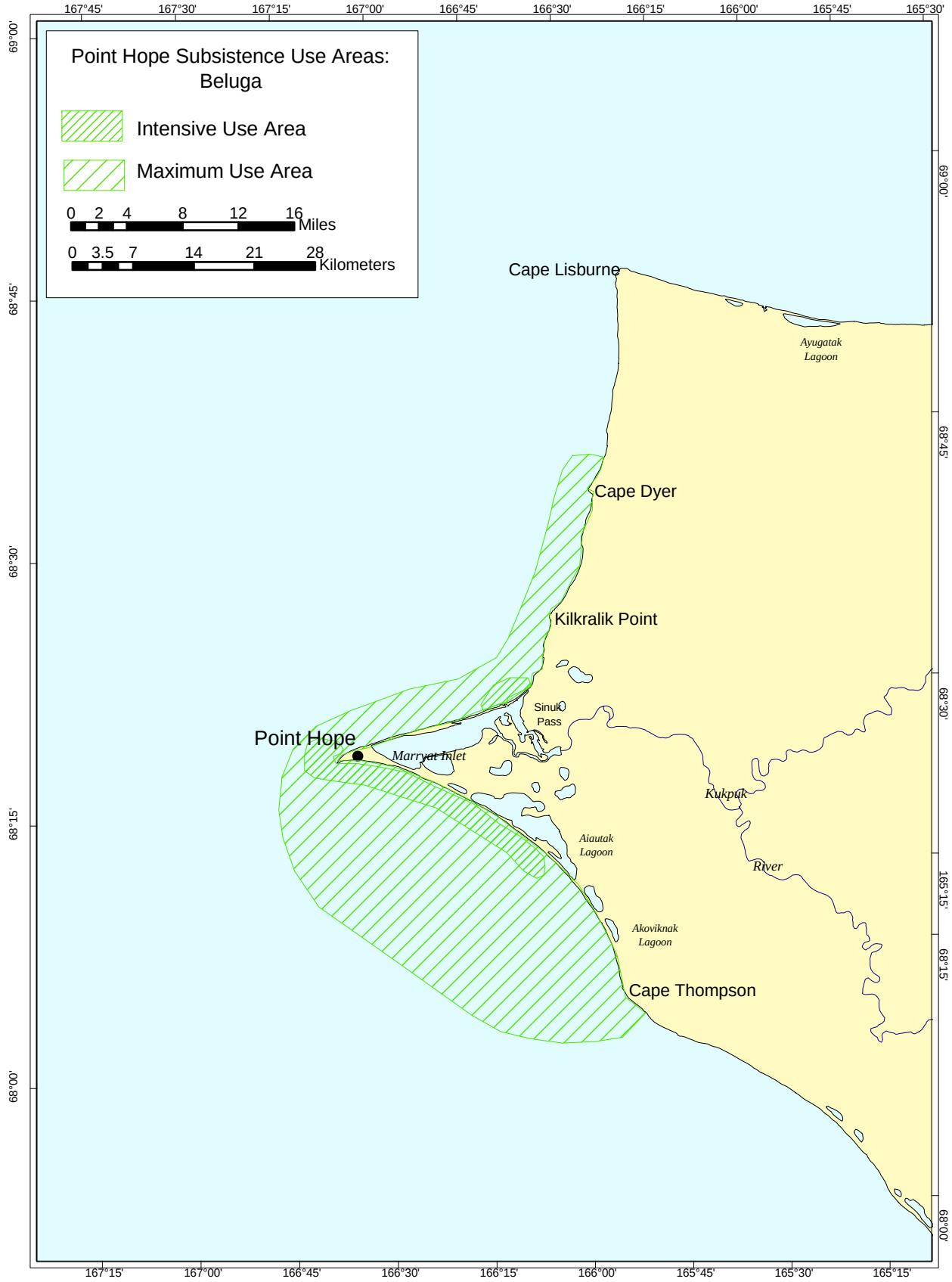

Source: Braund and Burnham, 1984.

Figure III.C-3 Point Hope Subsistence Use Areas: Seals.



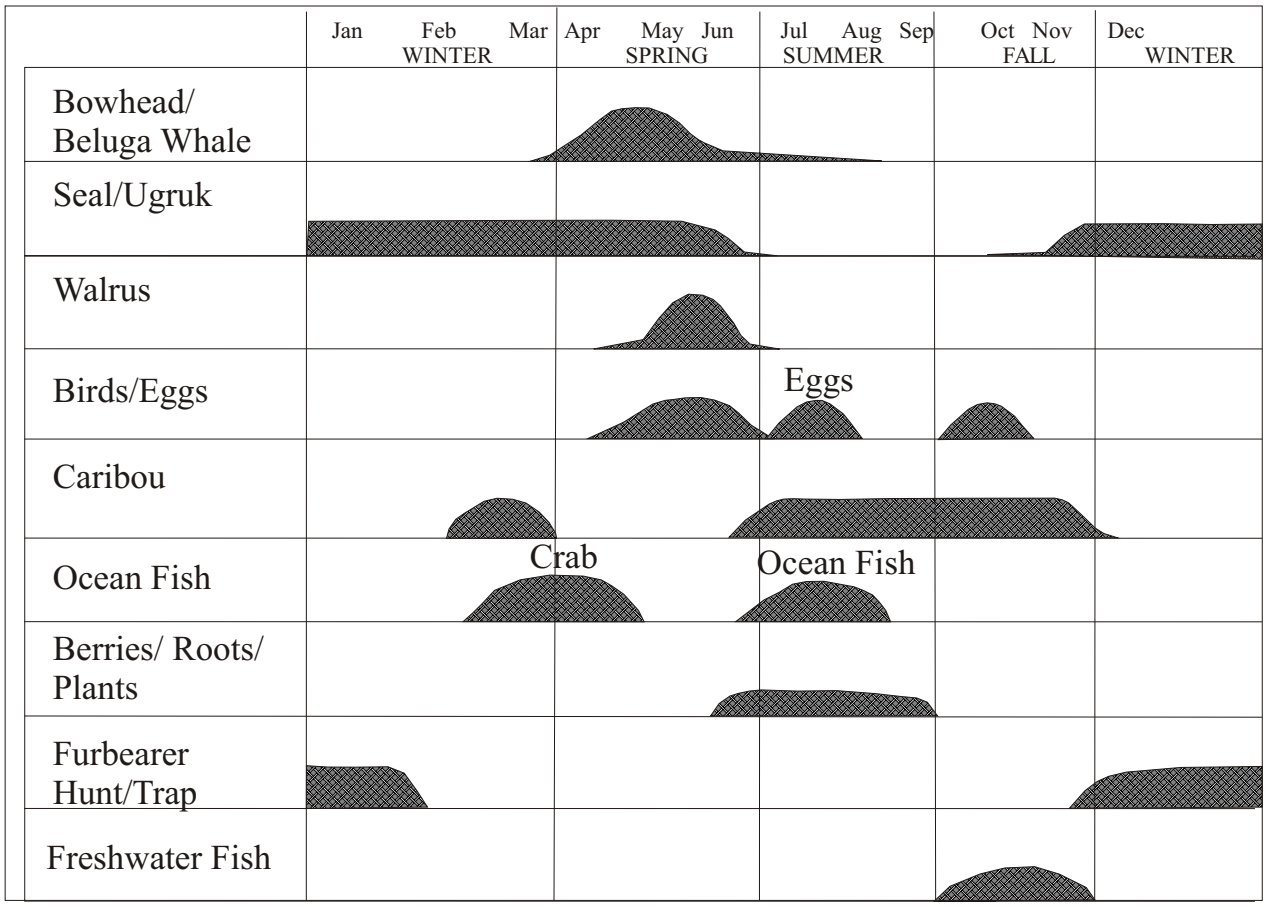

Source: Braund and Burnham, 1984.

Figure III.C-4 Point Hope Subsistence Use Areas: Walrus.



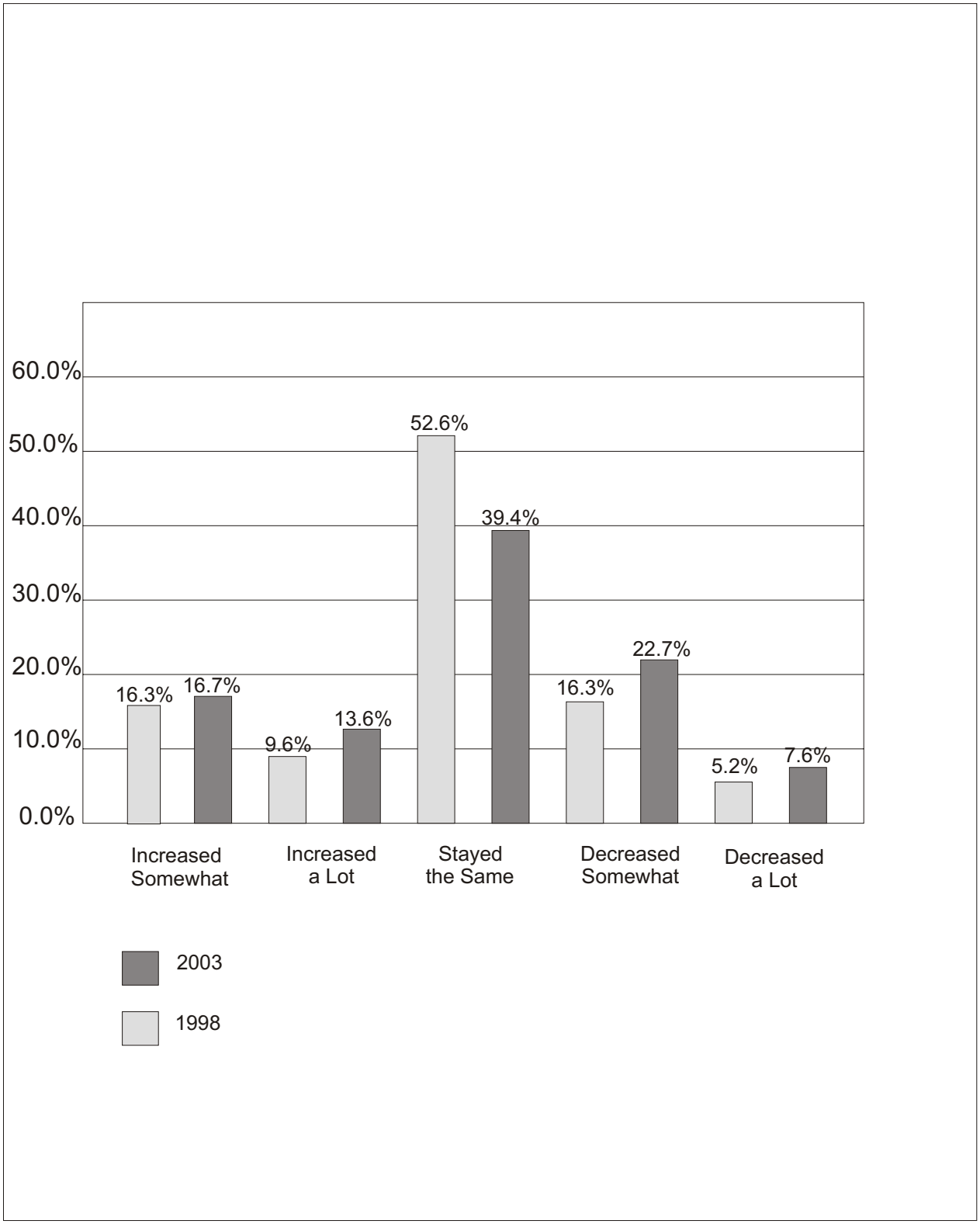

Source: Braund and Burnham, 1984.

Figure III.C-5 Point Hope Subsistence Use Areas: Beluga.



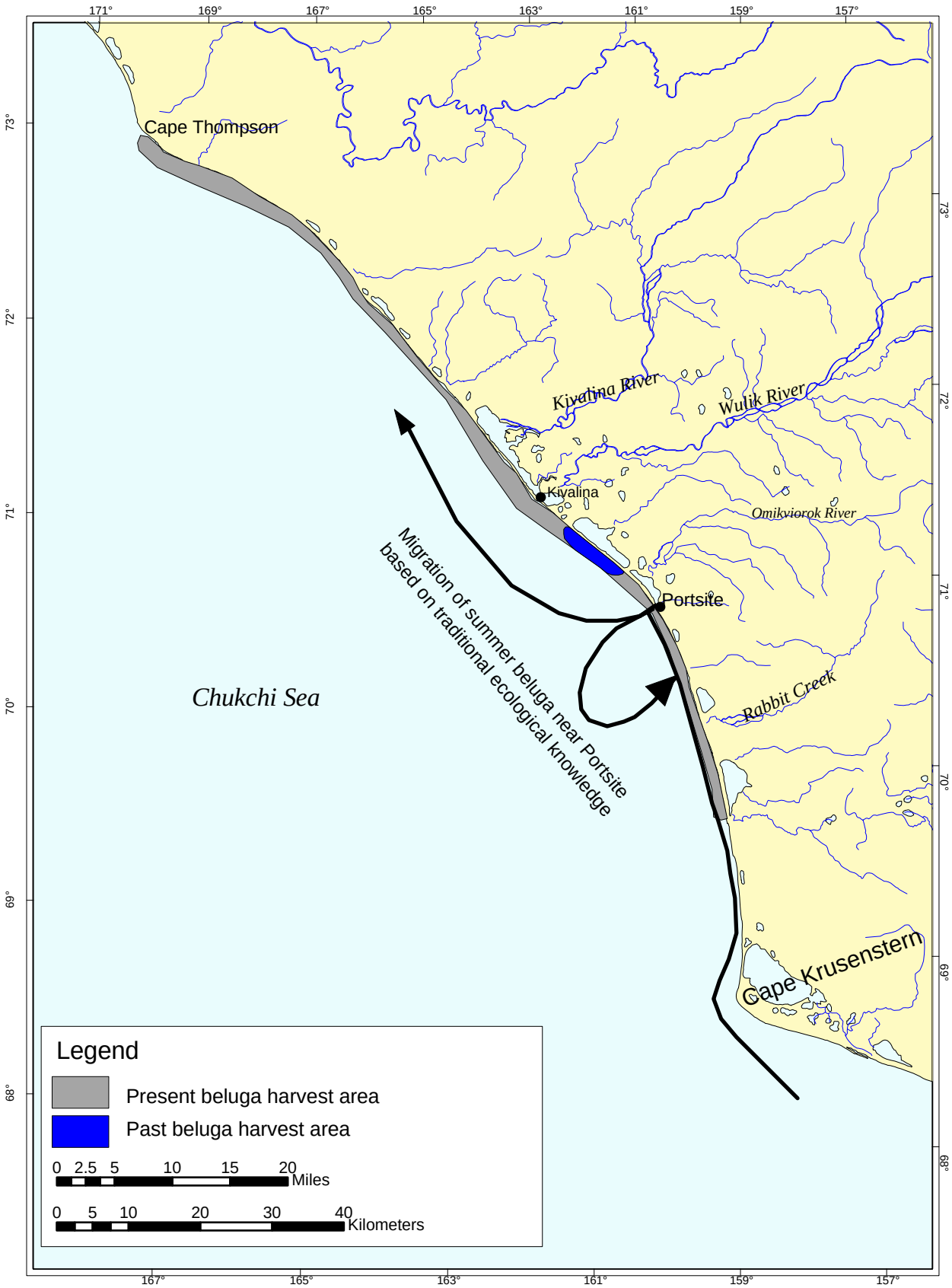

Source: Pedersen, 1977.

Figure III.C-6 Point Hope Annual Subsistence Cycle.




Source: Fuller and George, 1997; North Slope Borough, 2004.

Figure III.C-7 Point Hope: Changes in Subsistence Activity.

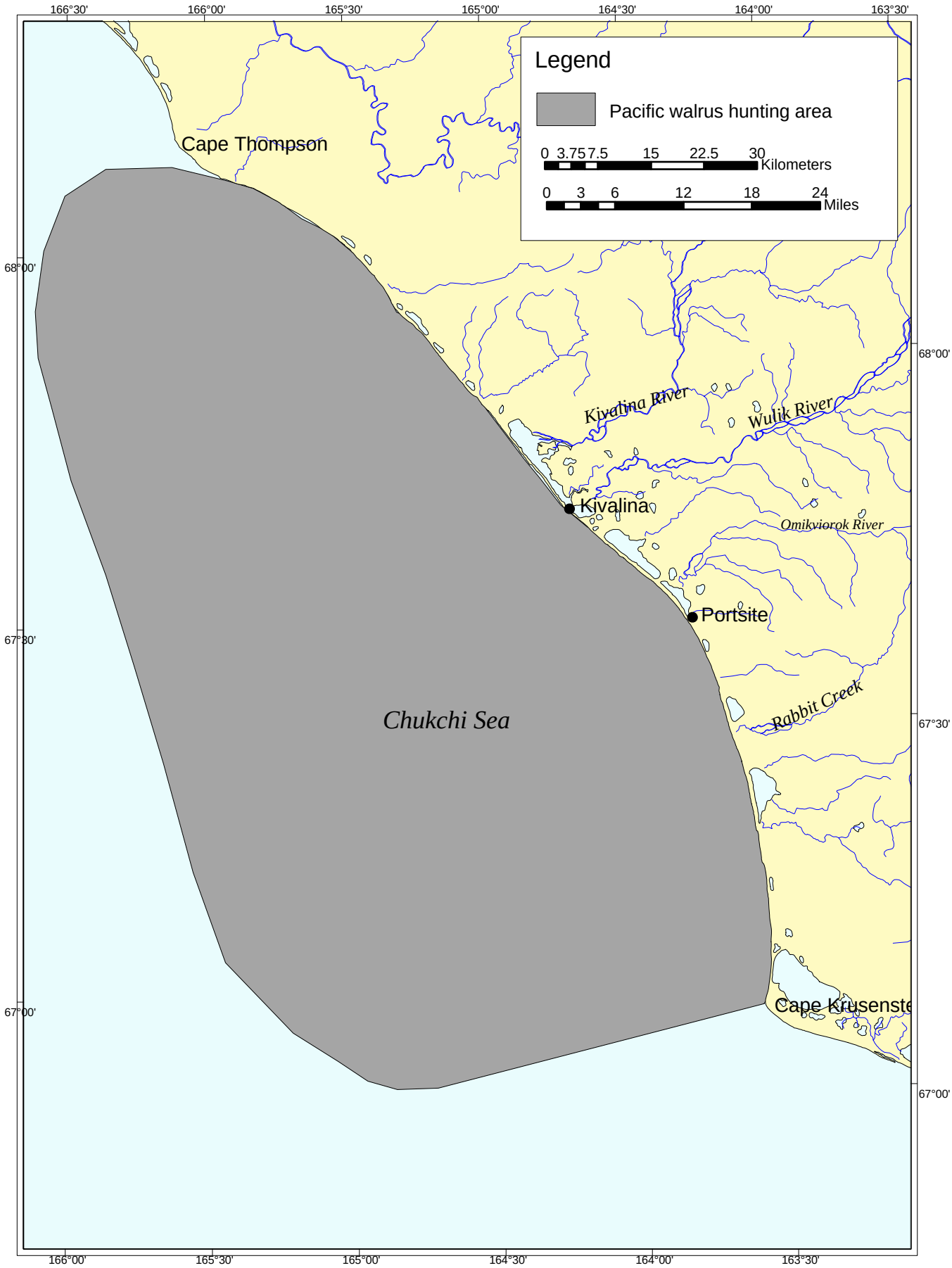



Source: Braund, 2000

Figure III.C-8 The Past and Present Kivalina Hunting Areas for the Eastern Chukchi Sea (Summer) Stock of Beluga.

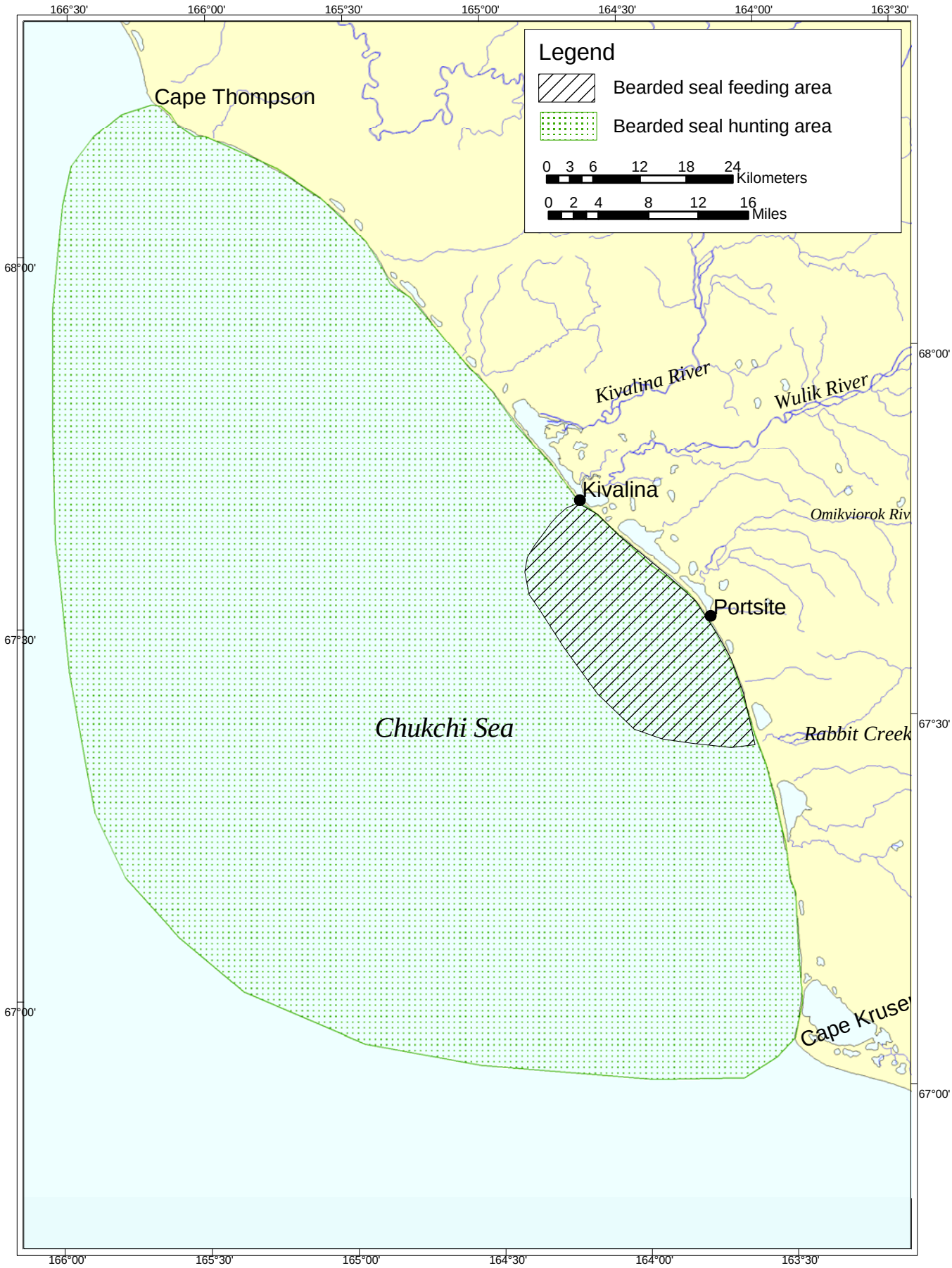
Source: Braund, 2000

Figure III.C-9 Kivalina Hunting Area for Bowhead Whales.




Source: Braund, 2000

Figure III.C-10. Kivalina Hunting Area for Pacific Walrus.




Source: Braund, 2000

Figure III.C-11 Kivalina Hunting and Feeding Area of Bearded Seals.

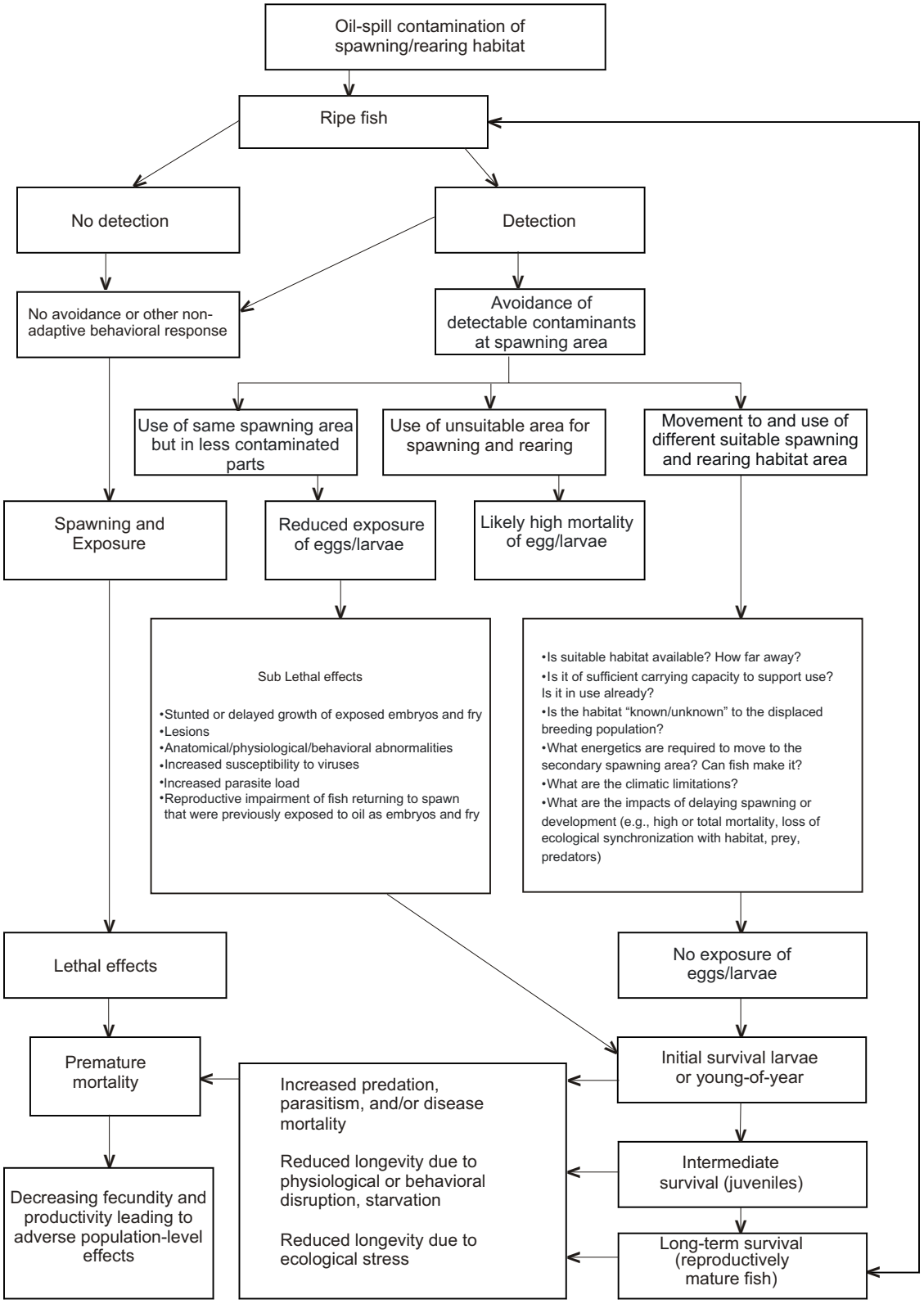



Figure IV.C-1 Oil-Spill Impacts Model for Selected Fishes using Nearshore/Intertidal Substrates as Spawning and/or Rearing Habitats (e.g., pink or chum salmon, Pacific herring, capelin).