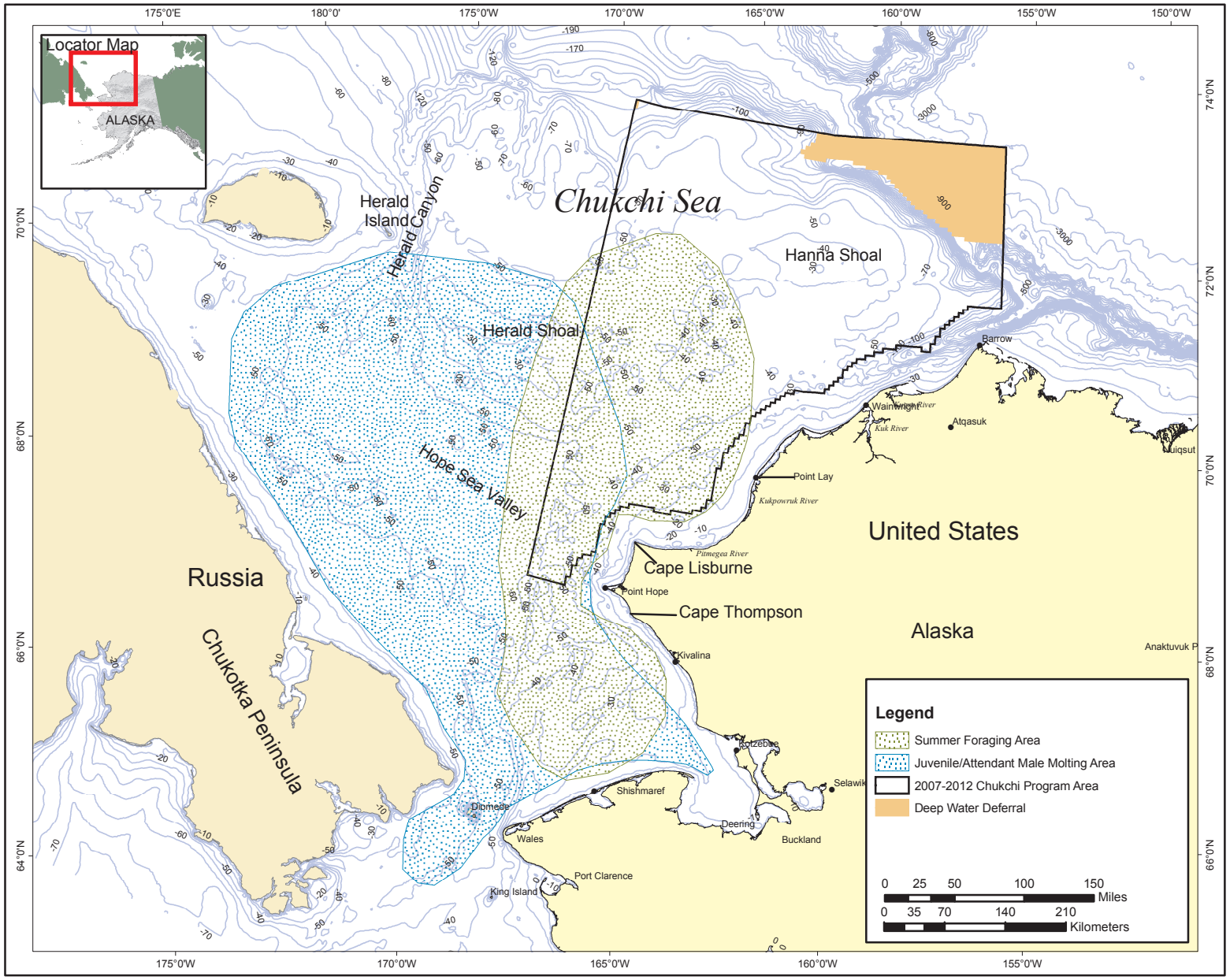


Source: Hatch et al., (2000).

Figure 3.3.5-1 Approximate Areas used by Common and Thick-Billed Murres from the Cape Lisburne and Cape Thompson Colonies when Foraging in Summer and by the Juvenile and Attendant Males during the Postnesting Molting Period (late August through mid-November).

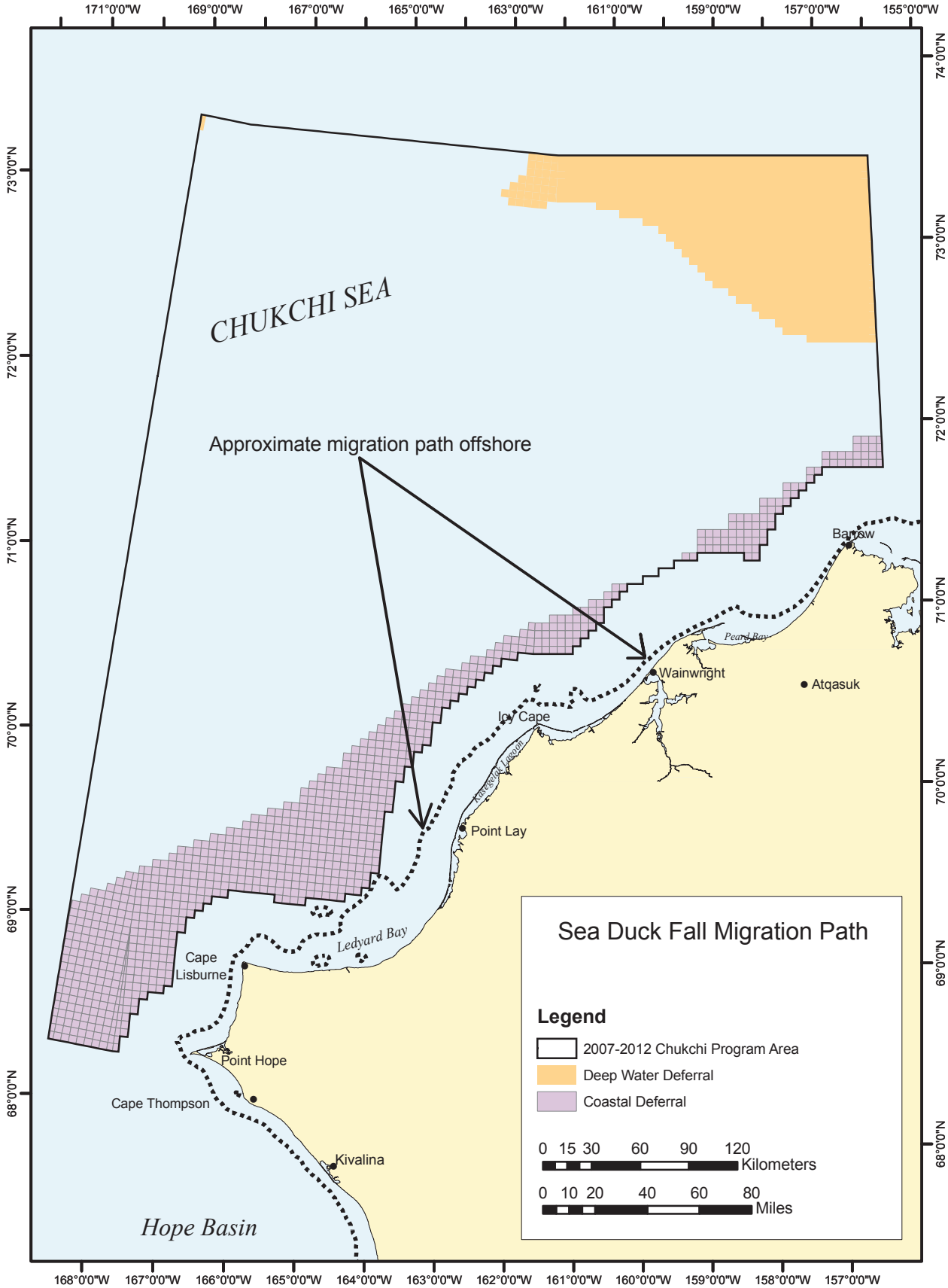
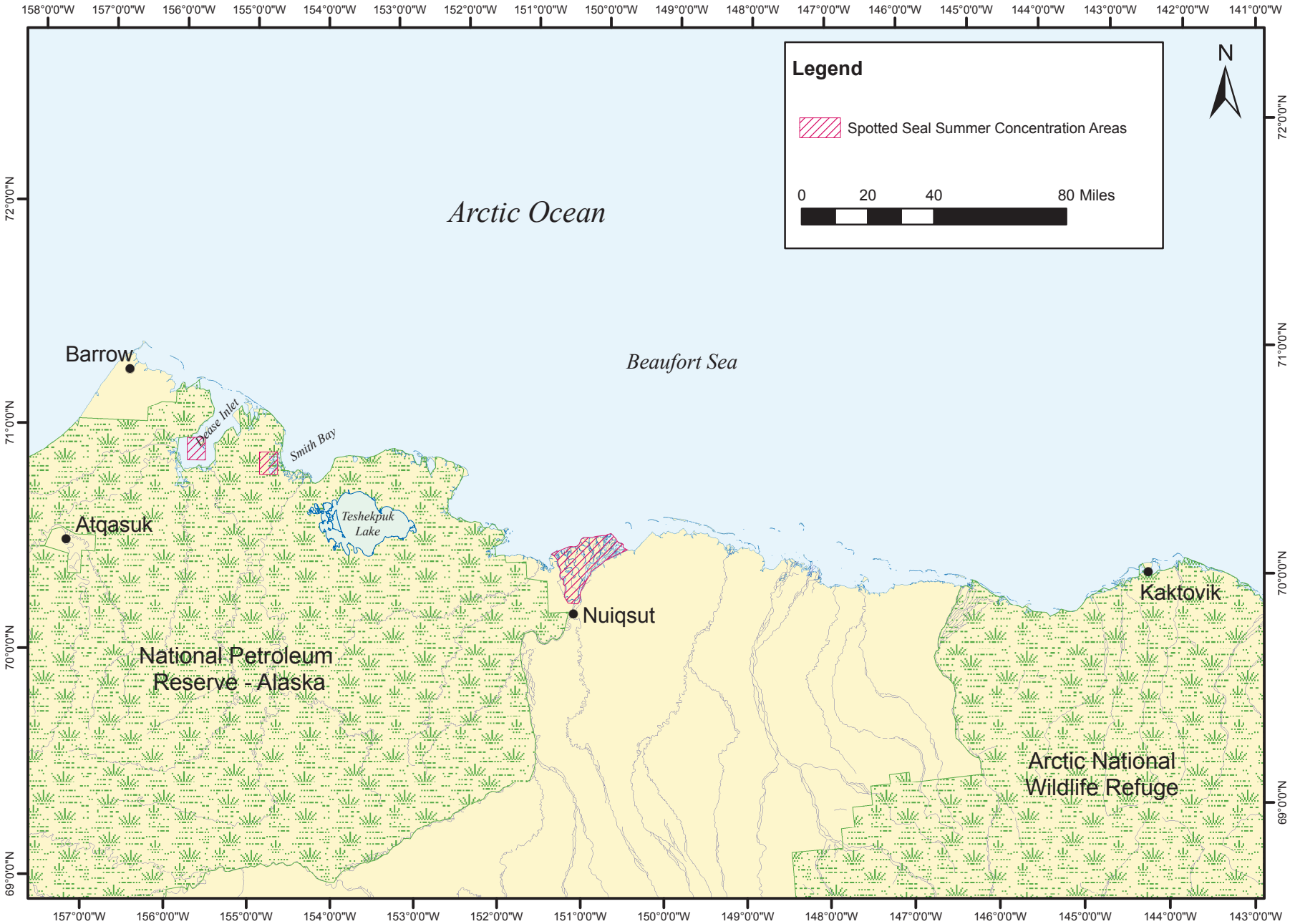


Figure 3.3.5-2 Approximate Migration Distances from Shore for King Eiders, Common Eiders, and Long-Tailed Ducks In Fall (these species tend to migrate along the 20-meter isobath).



Source: USDOI, BLM and MMS (1999)

Figure 3.3.6-1 Spotted Seal Summer Concentration Areas

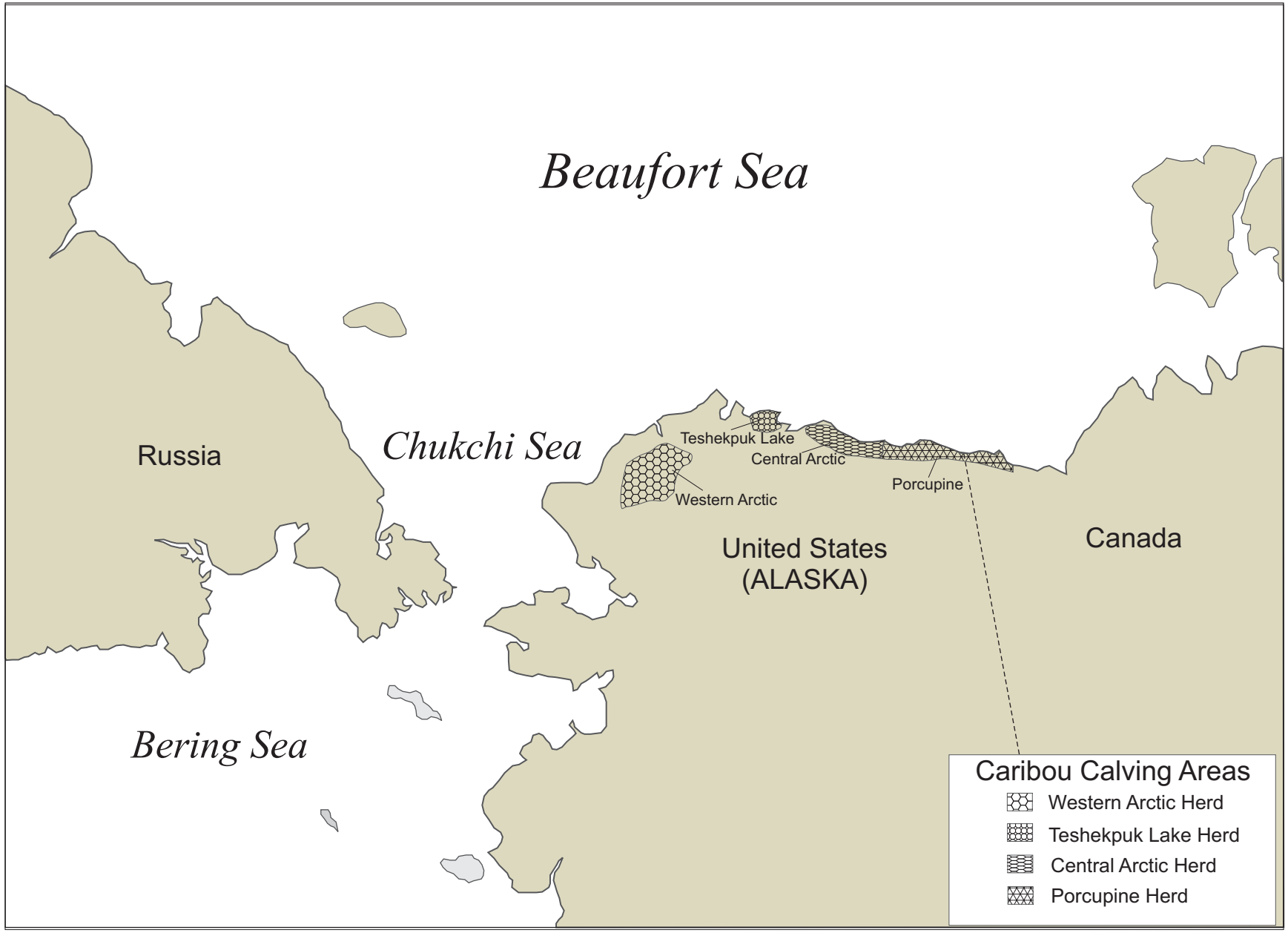


Figure 3.3.7.1-1 Caribou Calving Areas

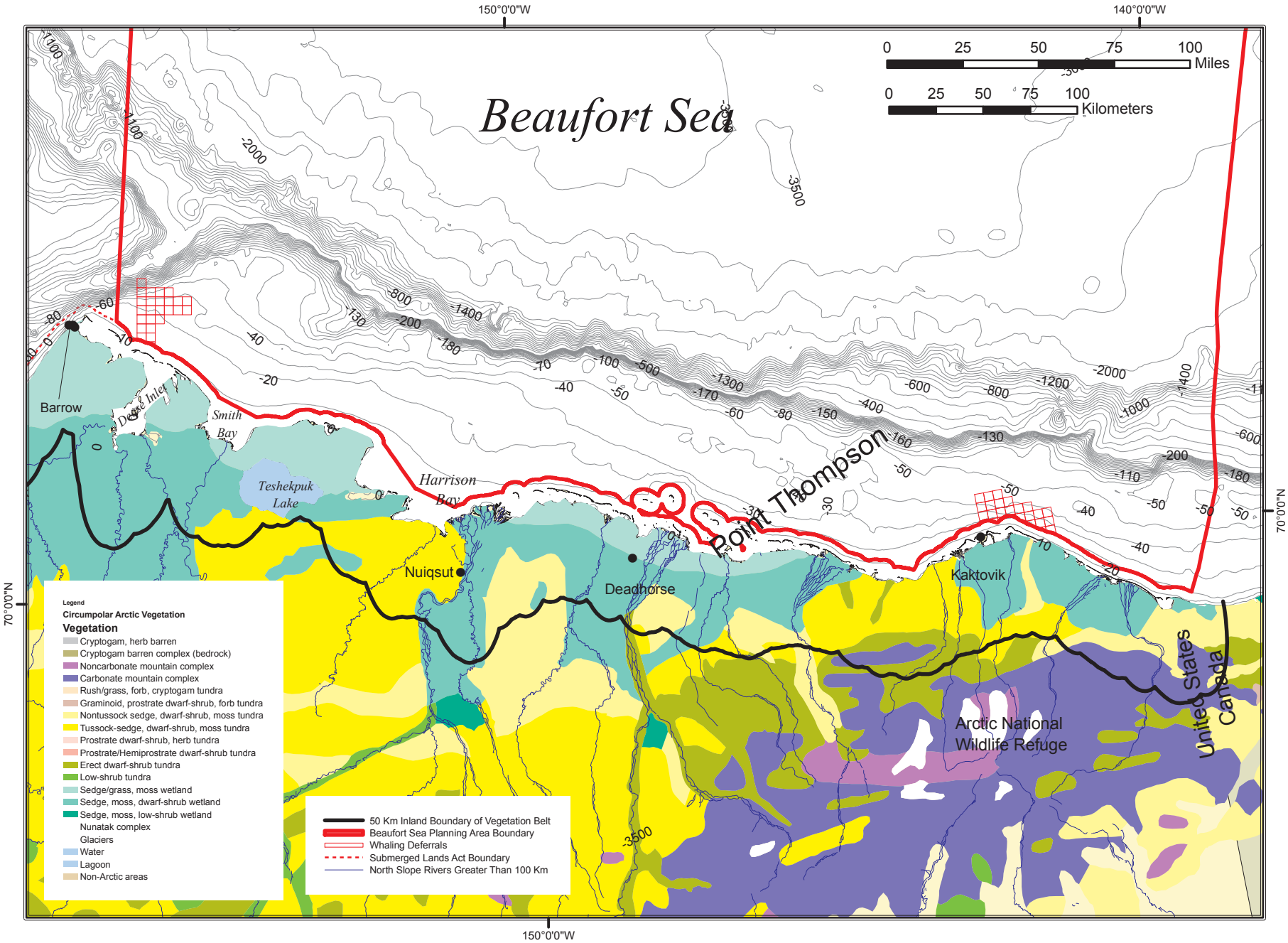


Figure 3.3.8-1 Vegetation and Wetlands within a 50-km belt from the Beaufort Shoreline.

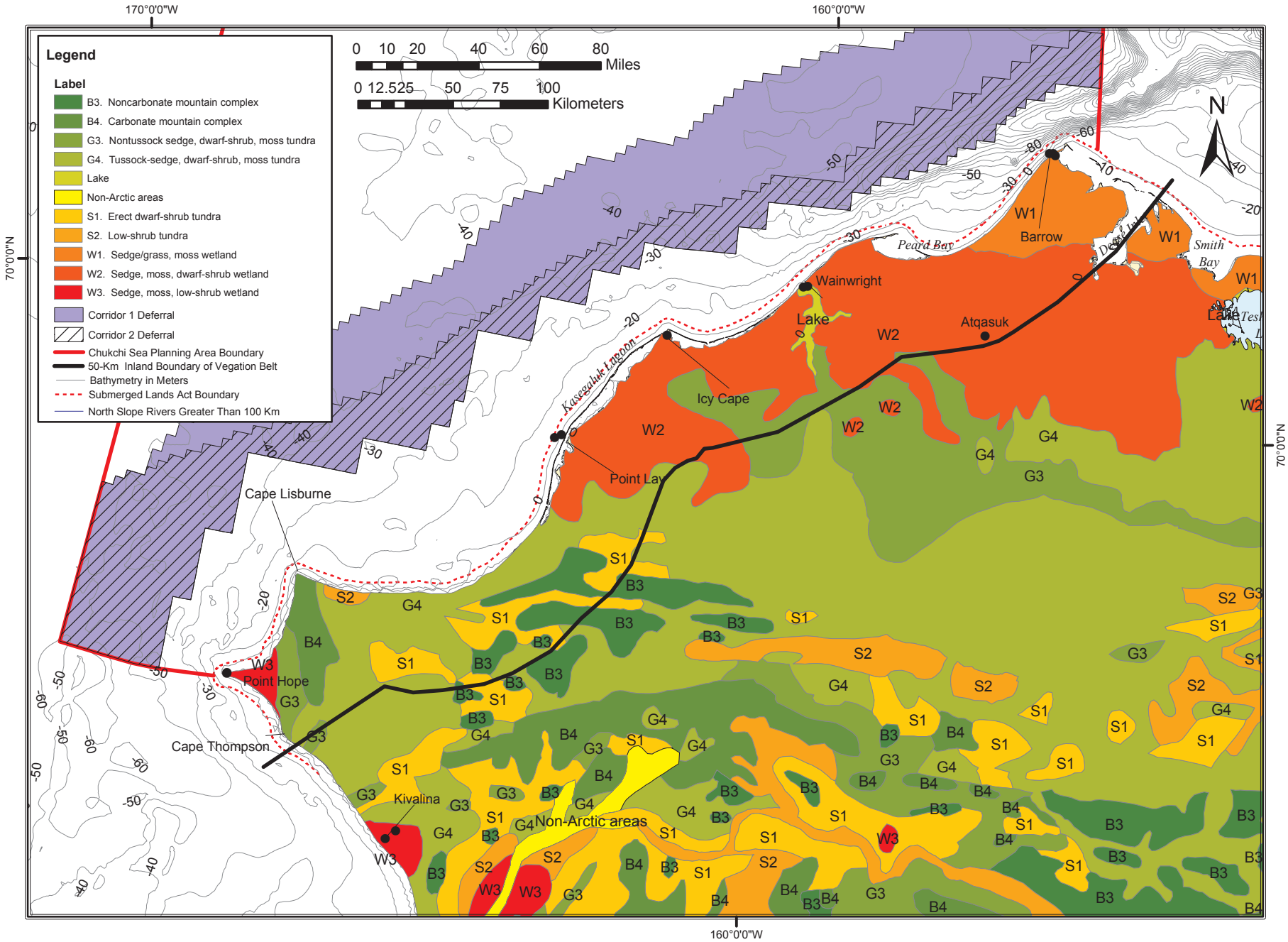
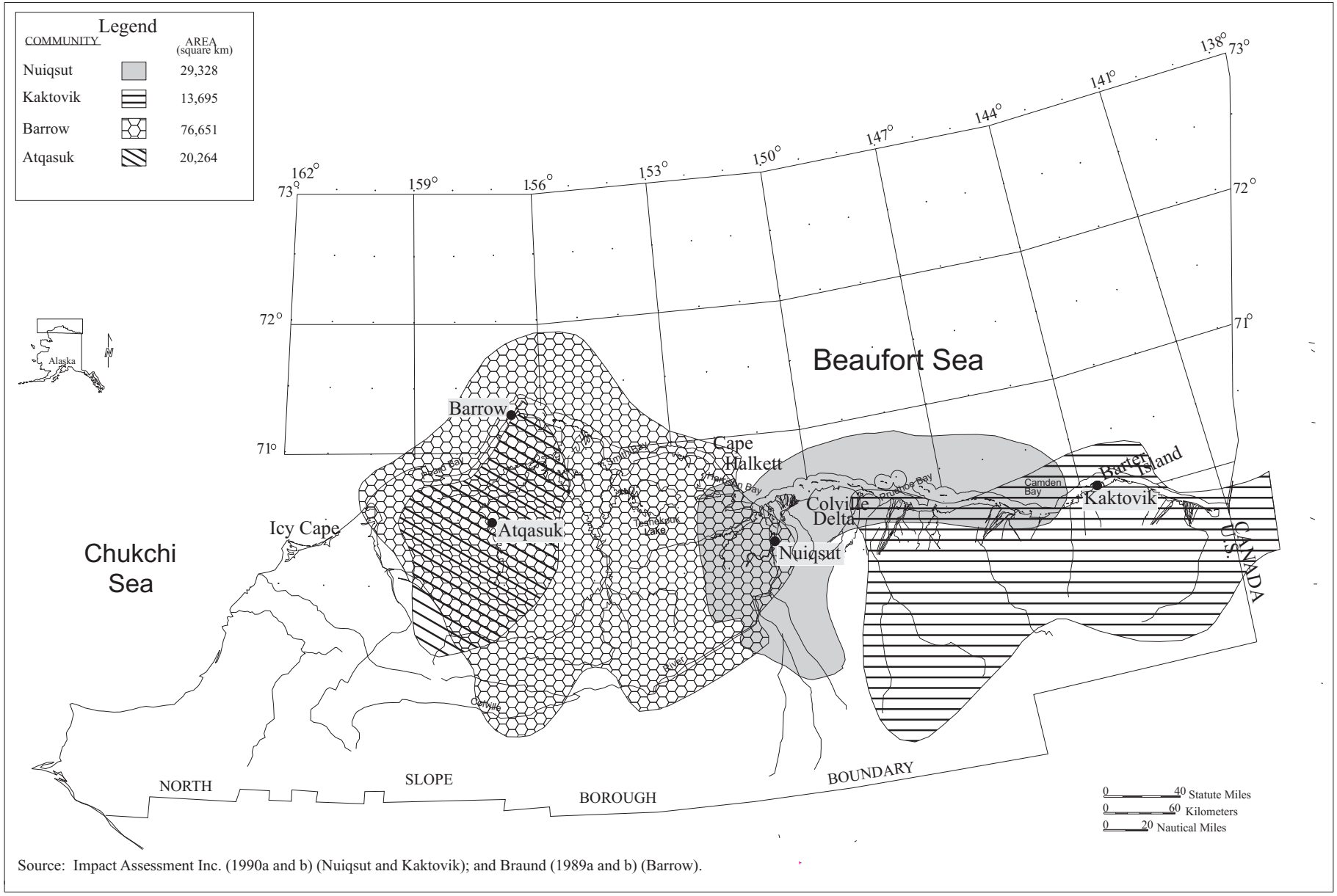


Figure 3.3.8-2 Vegetation and Wetlands within a 50-km belt from the Chukchi Shoreline.



Source: Impact Assessment Inc. (1990a and b) (Nuiqsut and Kaktovik); and Braund (1989a and b) (Barrow).

Figure 3.4.2-1 Subsistence-Harvest Areas for Beaufort Sea Communities of Barrow, Atqasuk, Nuiqsut, and Kaktovik

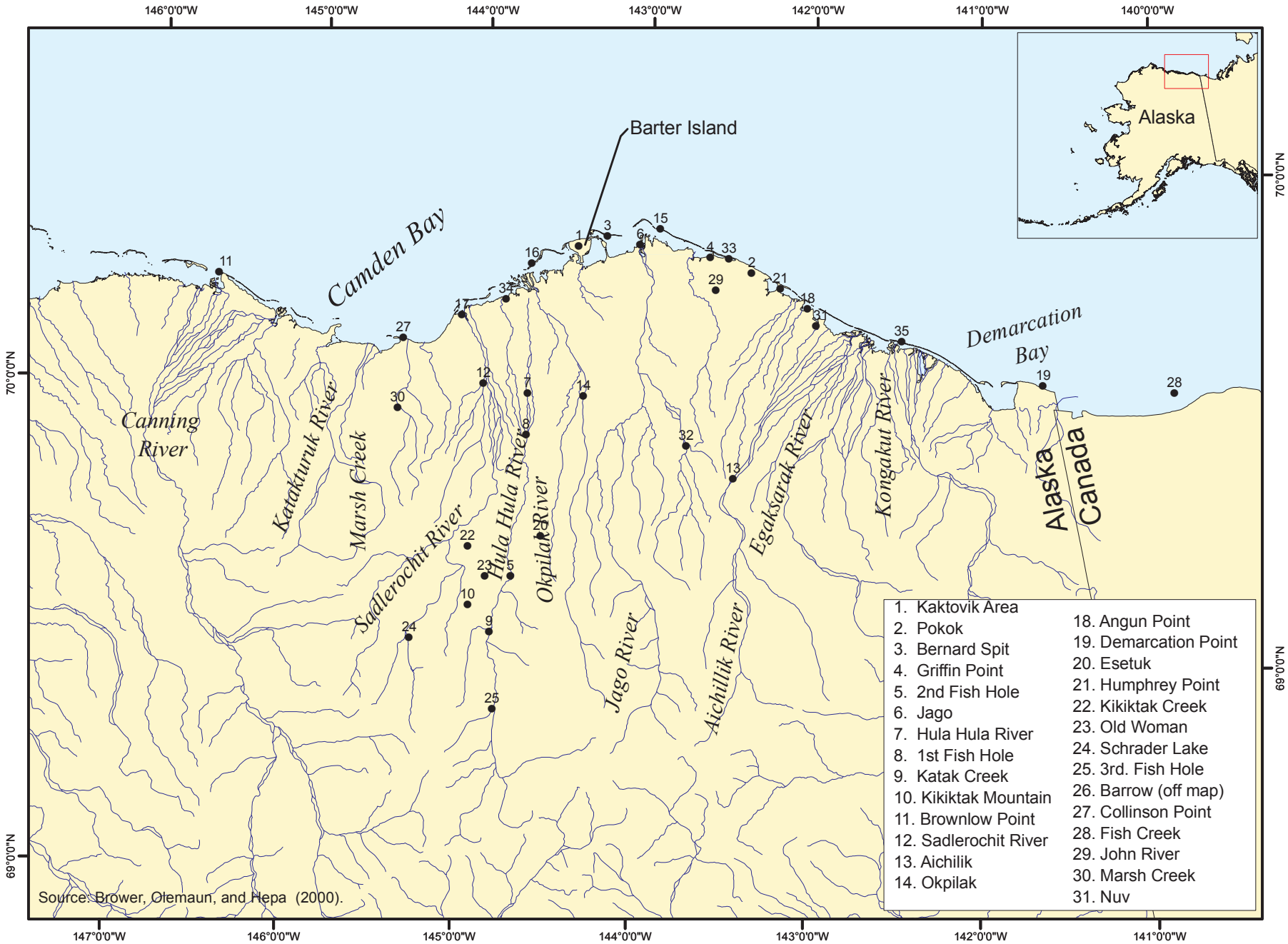


Figure 3.4.2-2 Kaktovik Subsistence Harvest Place Names, July 1994 to June 1995.

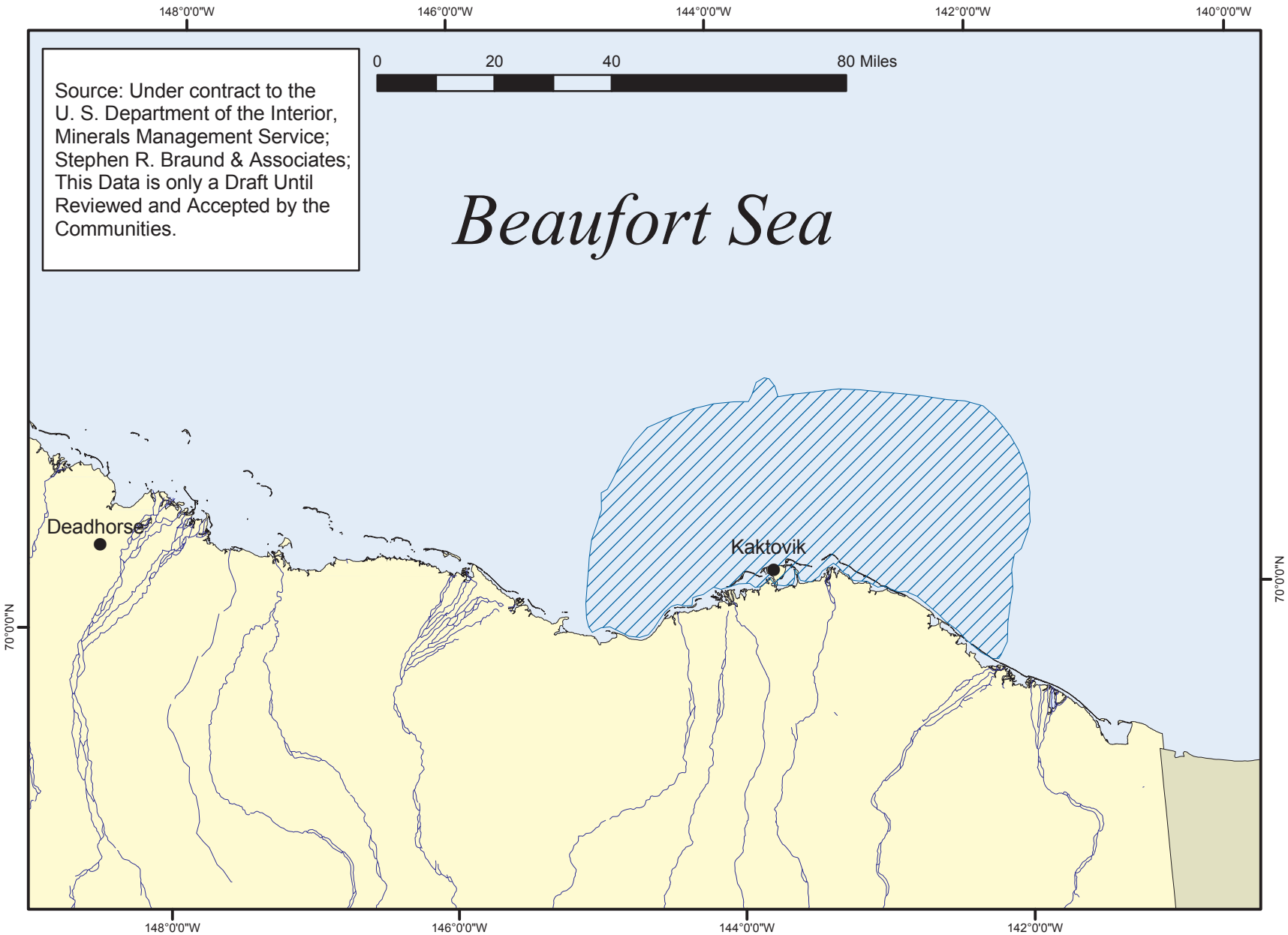


Figure 3.4.2-3 Kaktovik Subsistence-Use Areas, Bowhead Whale, 1996-2006

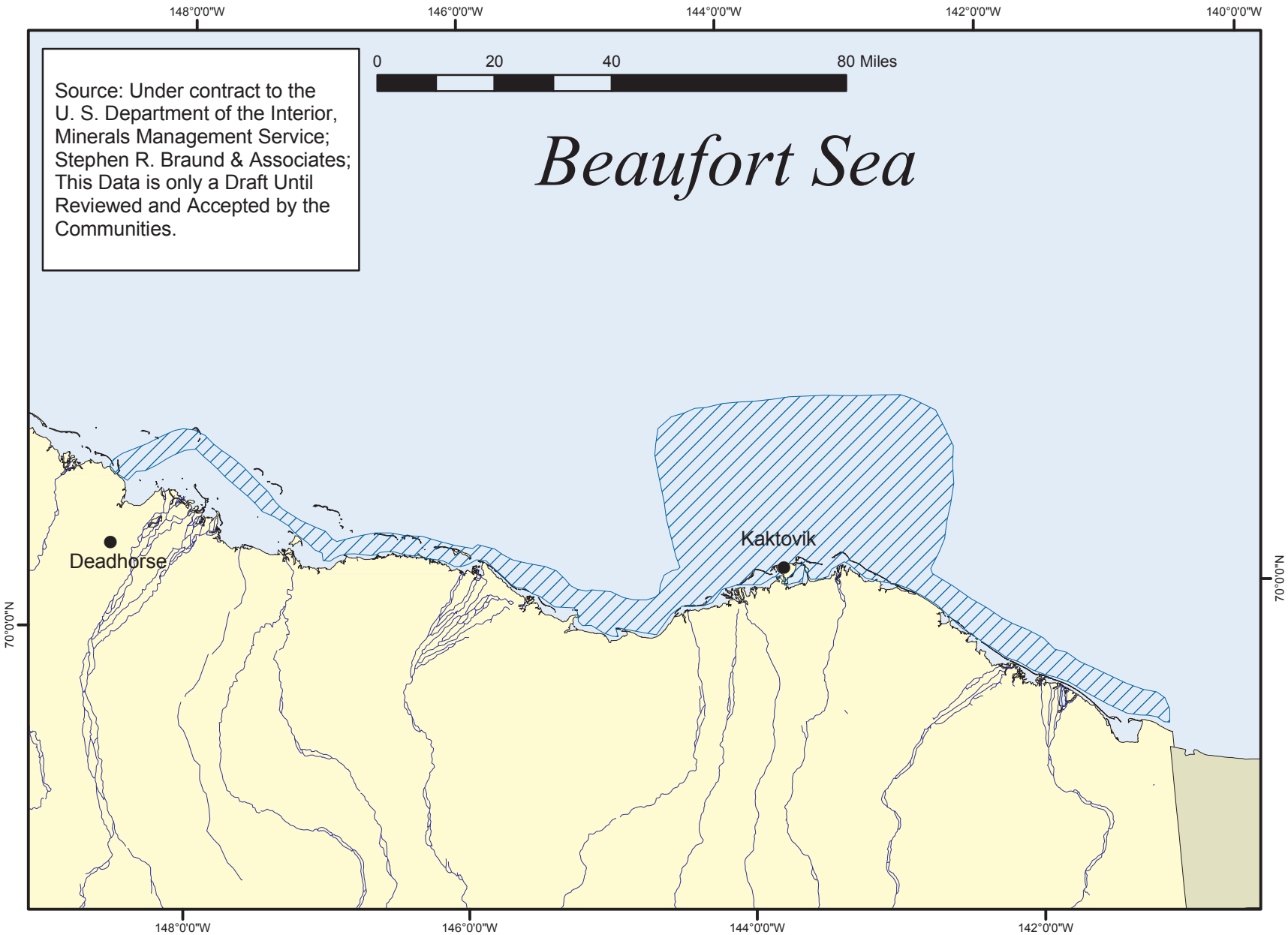


Figure 3.4.2-4 Kaktovik Subsistence-Use Areas, Ringed Seal, 1996-2006

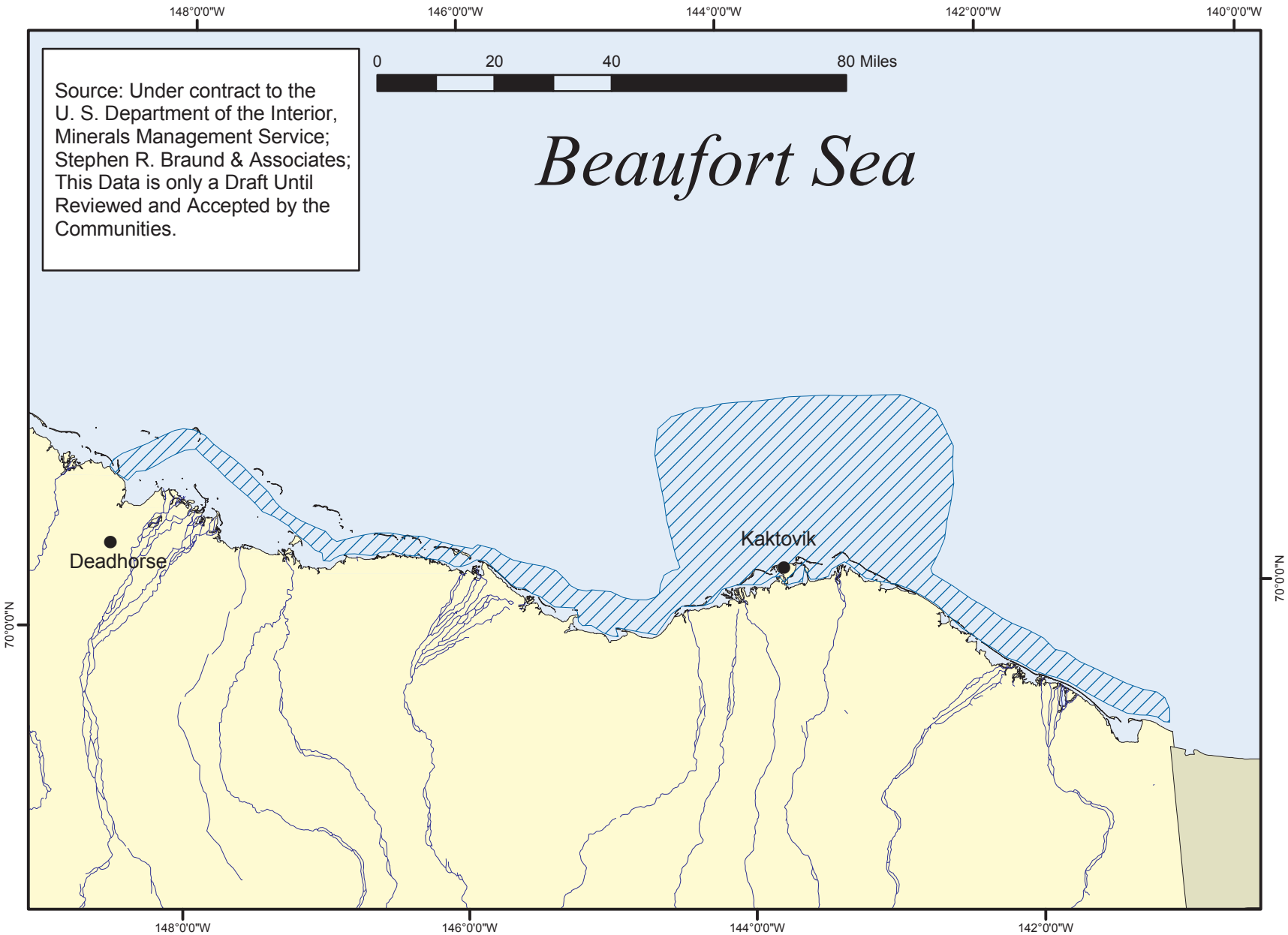


Figure 3.4.2-5 Kaktovik Subsistence-Use Areas, Bearded Seal, 1996-2006

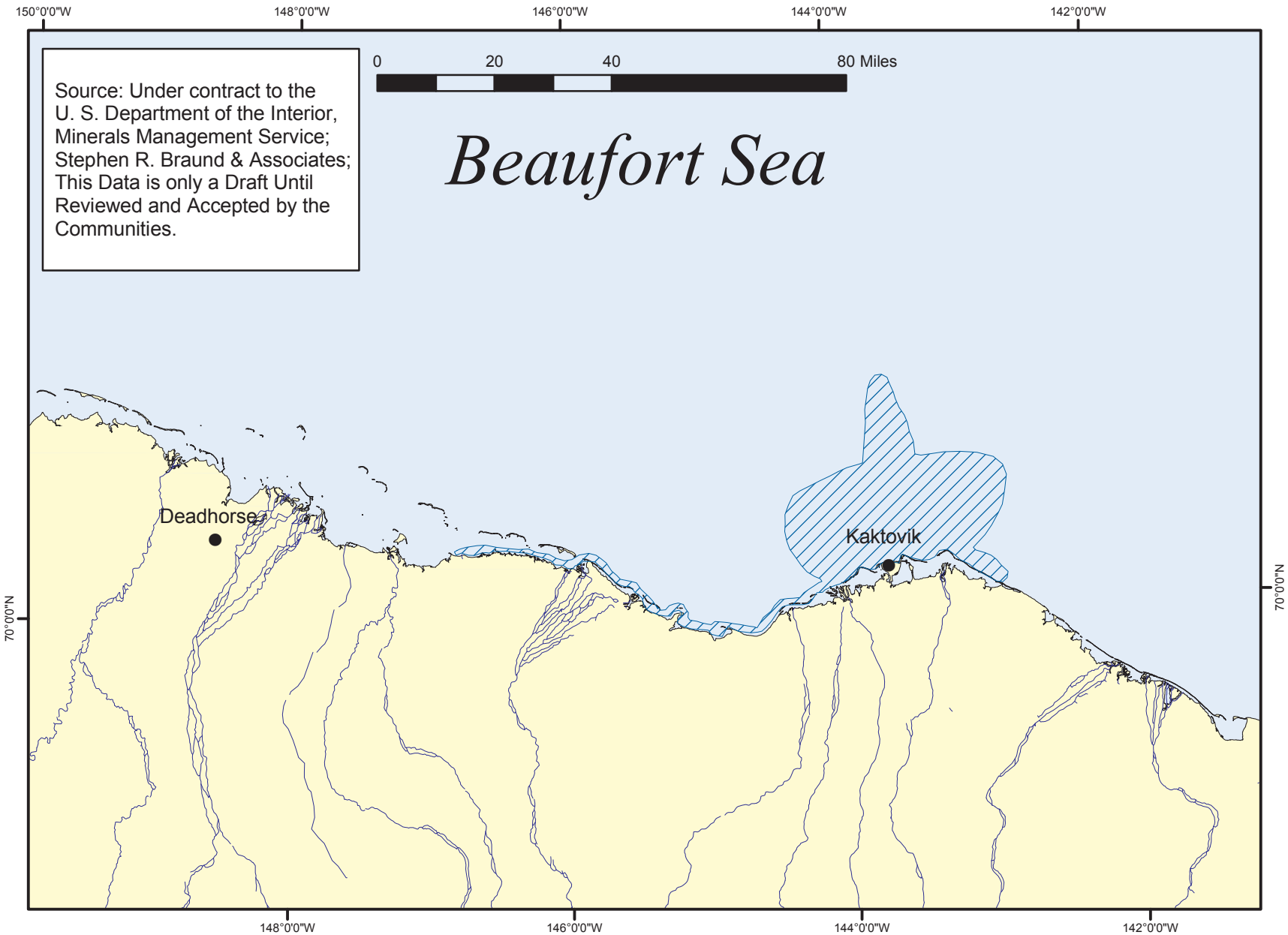
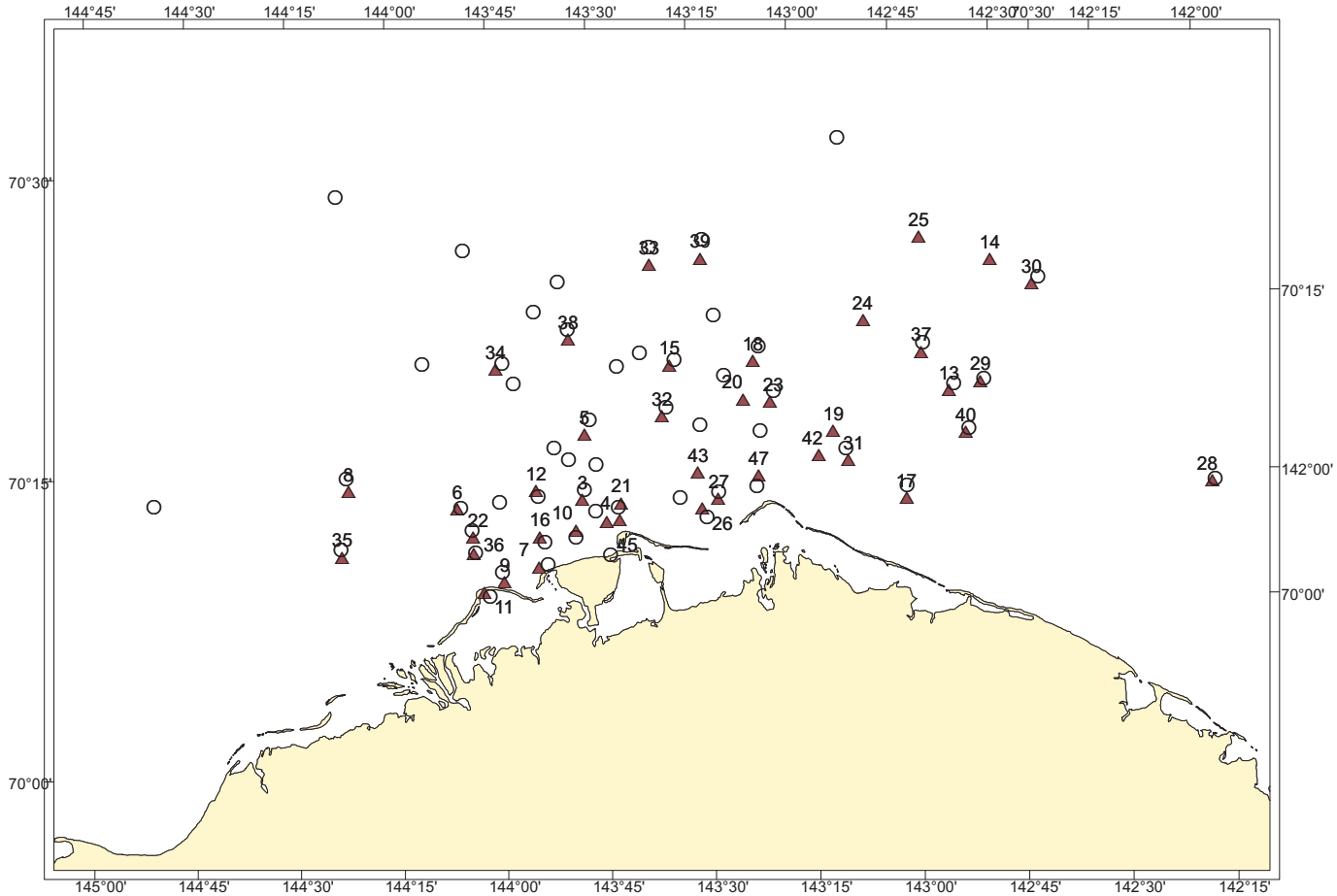


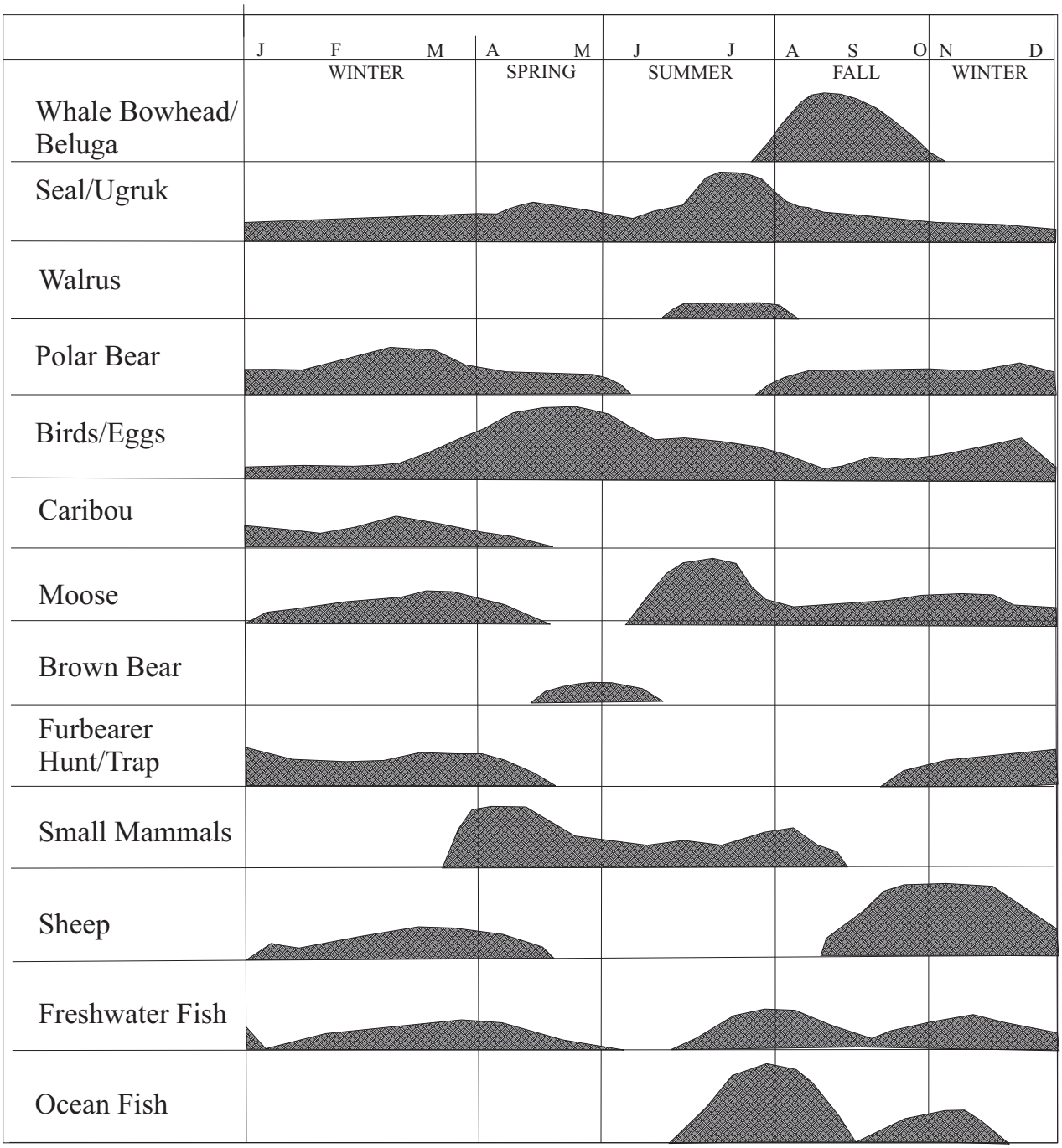
Figure 3.4.2-6 Kaktovik Subsistence-Use Areas, Walrus, 1996-2006



Location	Harvest Date	Location	Harvest Date
1	9/17/1988	22	9/26/1992
2	10/2/1989	23	10/8/1992
3	10/2/1989	24	10/5/1993
4	10/2/1989	25	10/7/1993
5	10/2/1989	26	10/13/1993
6	9/27/1991	27	10/18/1993
7	9/28/1991	28	10/19/1993
8	10/2/1991	29	10/20/1993
9	10/4/1991	30	10/13/1993
10	8/31/1992	31	10/1/1994
11	9/1/1992	32	9/5/1995
12	9/2/1992	33	9/6/1995
13	9/2/1992	34	9/11/1995
14	9/2/1992	35	9/16/1995
15	9/3/1992	36	9/16/1995
16	9/12/1992	37	9/18/1995
17	9/17/1992	38	9/20/1995
18	9/19/1992	39	9/20/1995
19	9/23/1992	40	10/16/1995
20	9/24/1992	41	10/17/1995
21	9/26/1992	42	10/17/1995

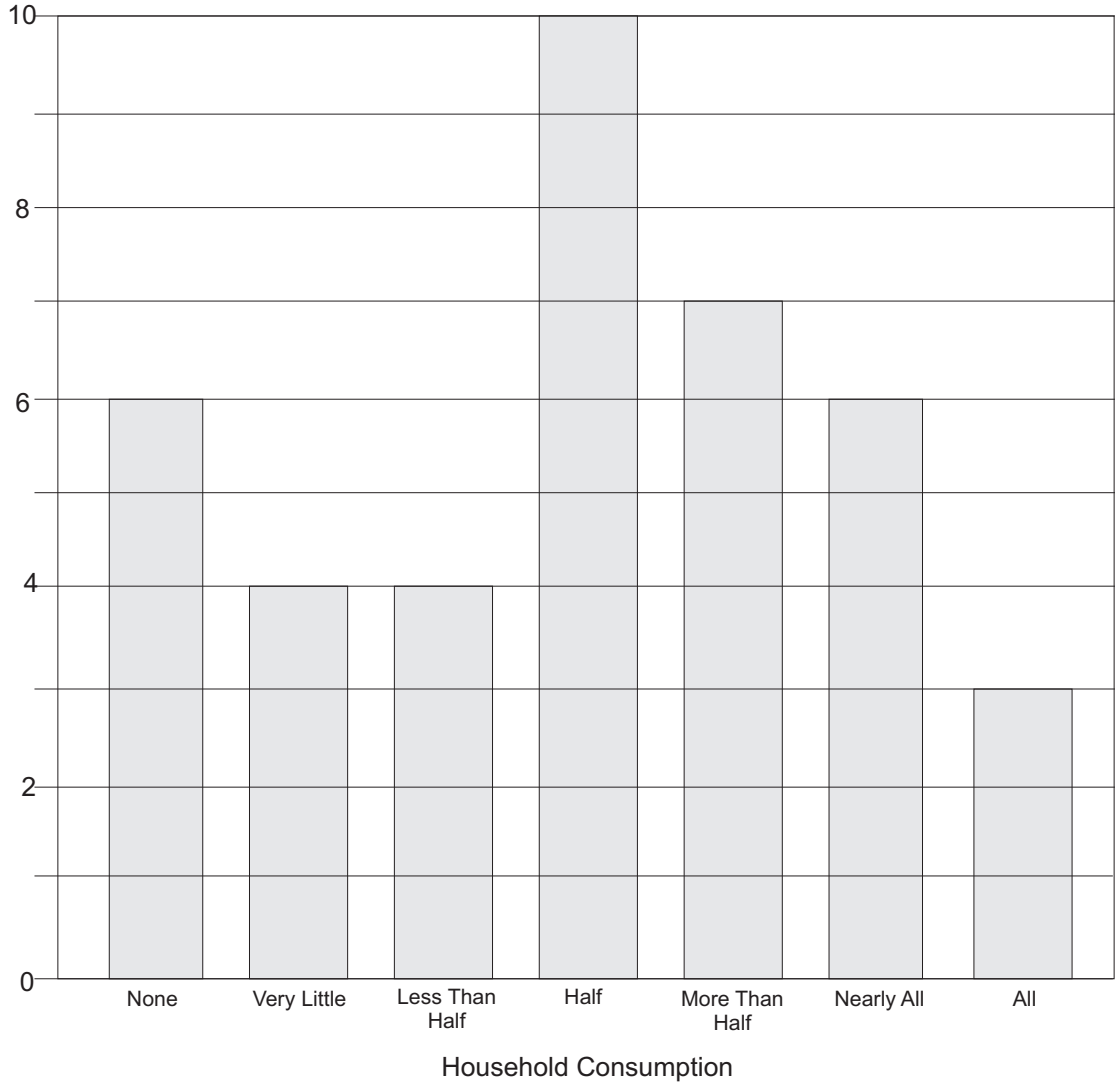
Sources: Kaleak (1996); North Slope Borough Planning Dept. (1993); North Slope Borough (2001)

Figure 3.4.2-7 Bowhead Whale Harvest Locations Near Kaktovik 1988 - 2001



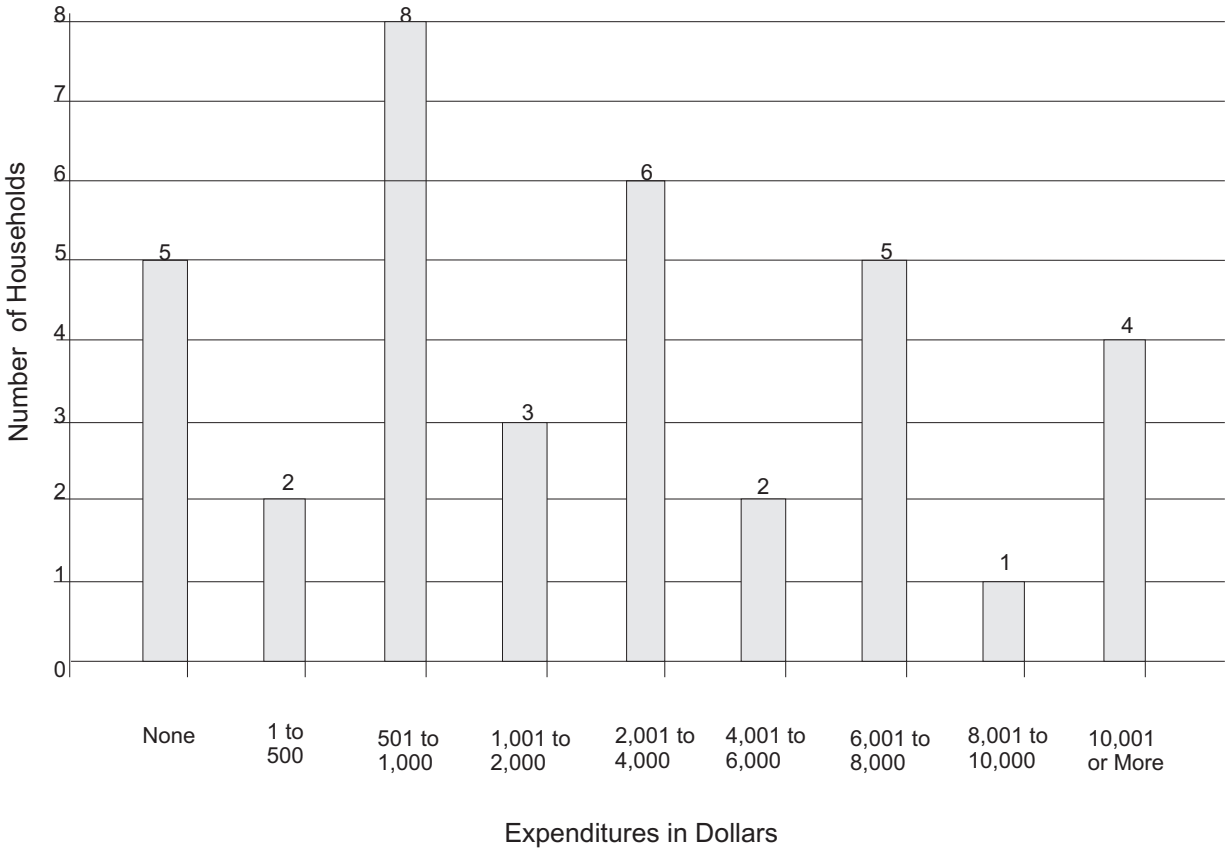
Source: North Slope Borough Contract Staff (1979)

Figure 3.4.2-8 Kaktovik Annual Subsistence Cycle



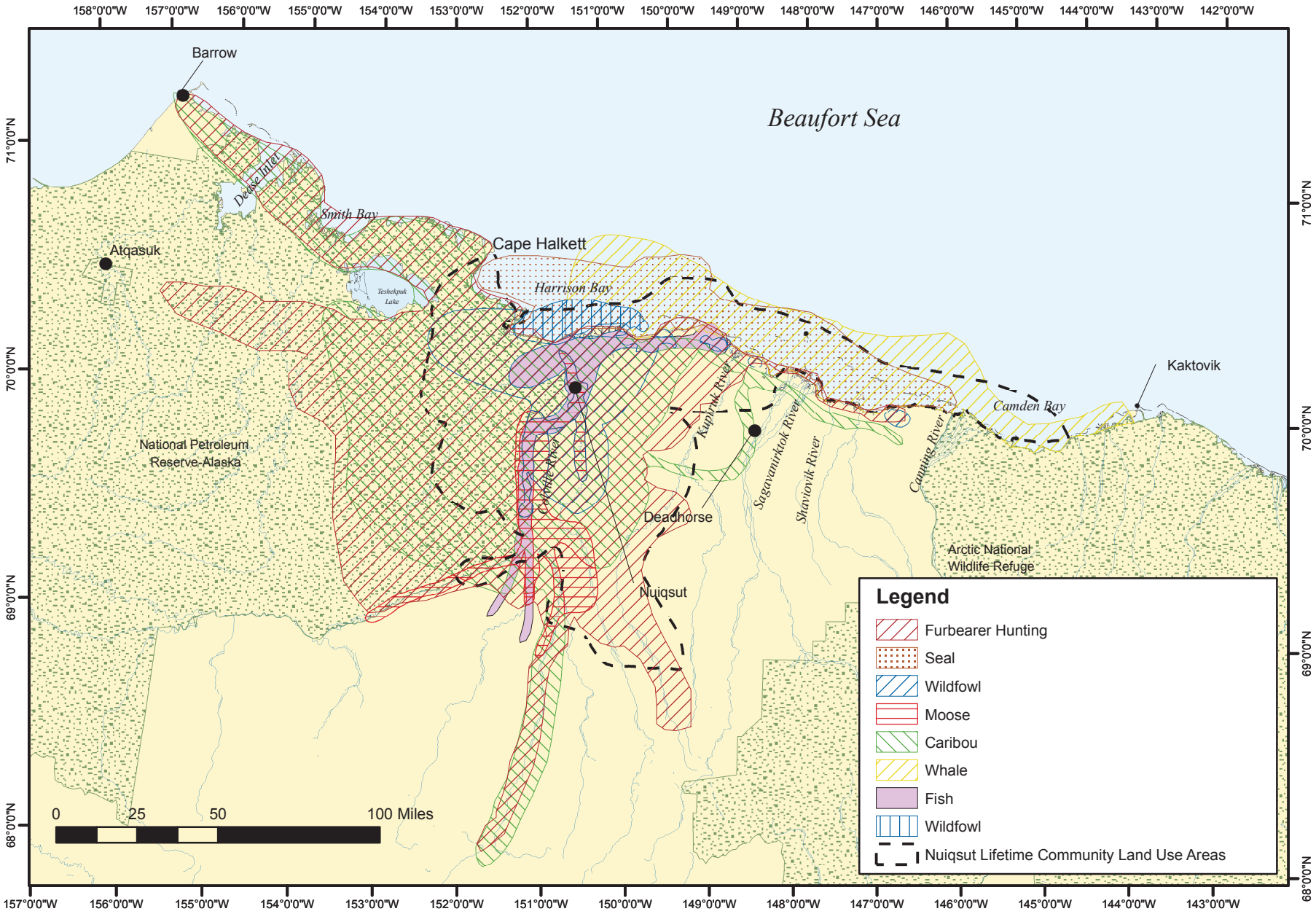
Source: Harcharek (1995).

Figure 3.4.2-9 Kaktovik Household Consumption of Meat, Fish, and Birds, from Subsistence Activities
(Household results include only those households that participated in the study.)



Source: Harcharek (1995)

Figure 3.4.2-10 Kaktovik Household Expenditures on Subsistence Activities.



Source: Braund & Associates (2004)

Figure 3.4.2-11 Nuiqsut Subsistence Land Use 1973-1986

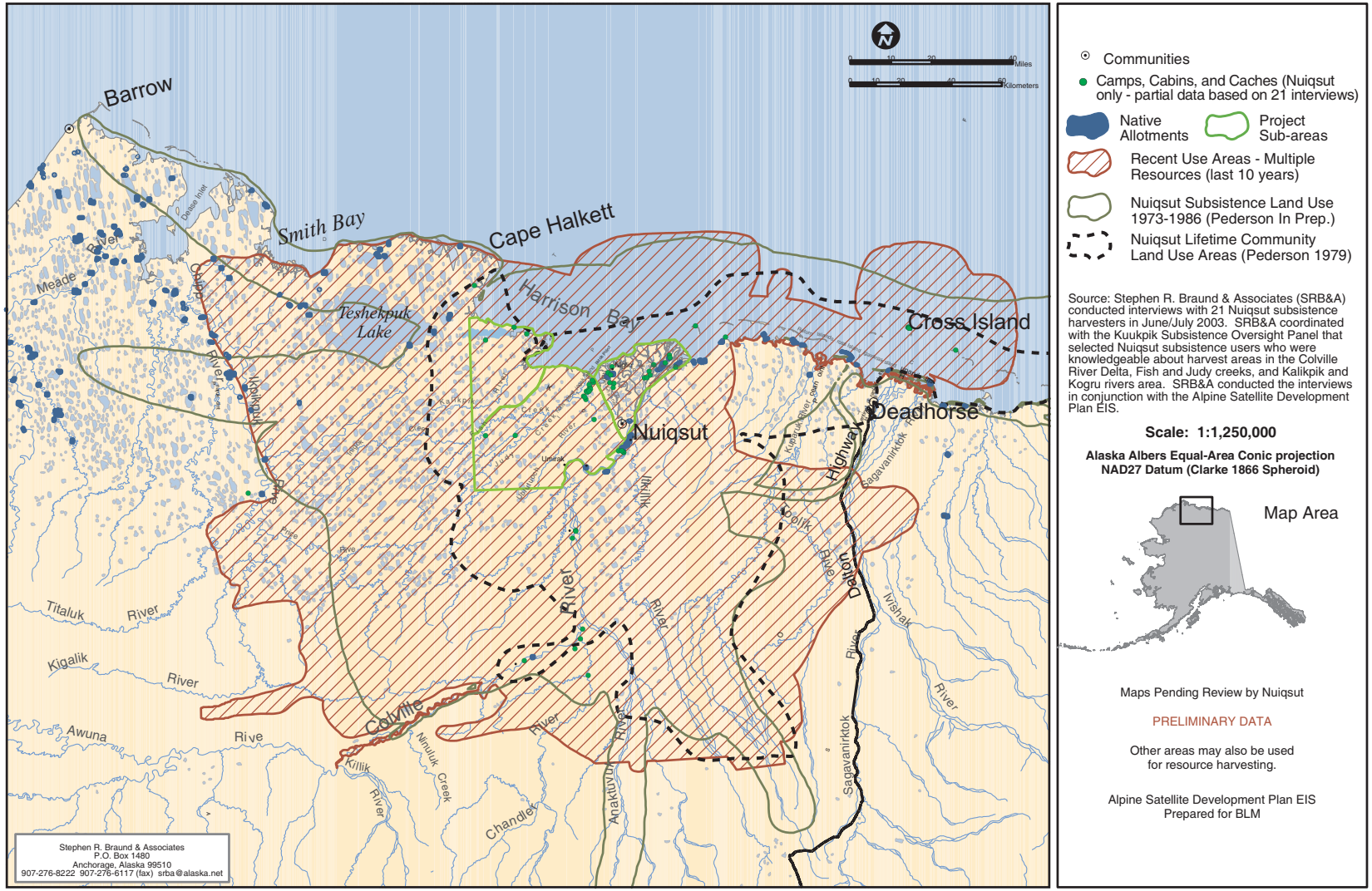
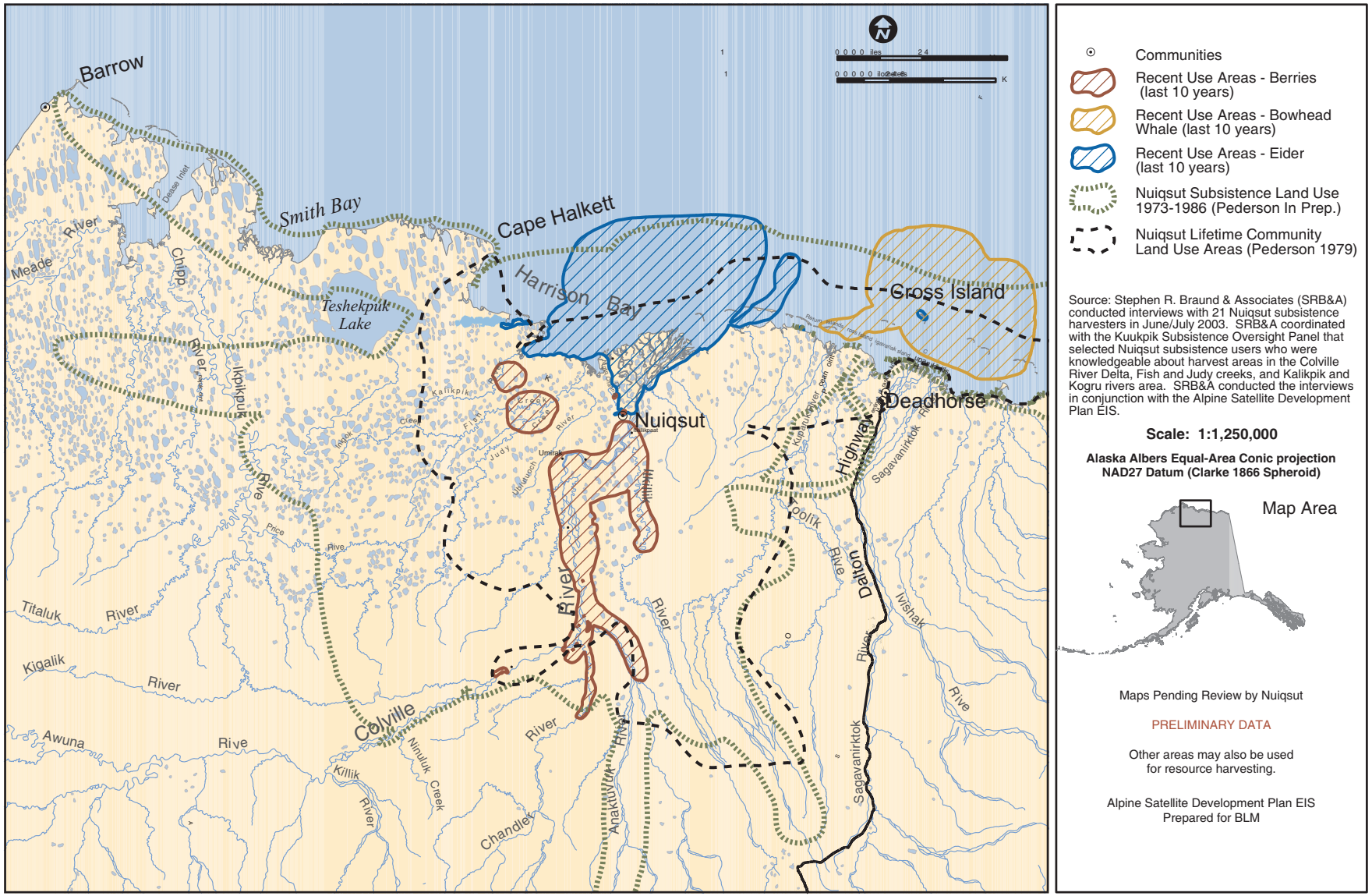
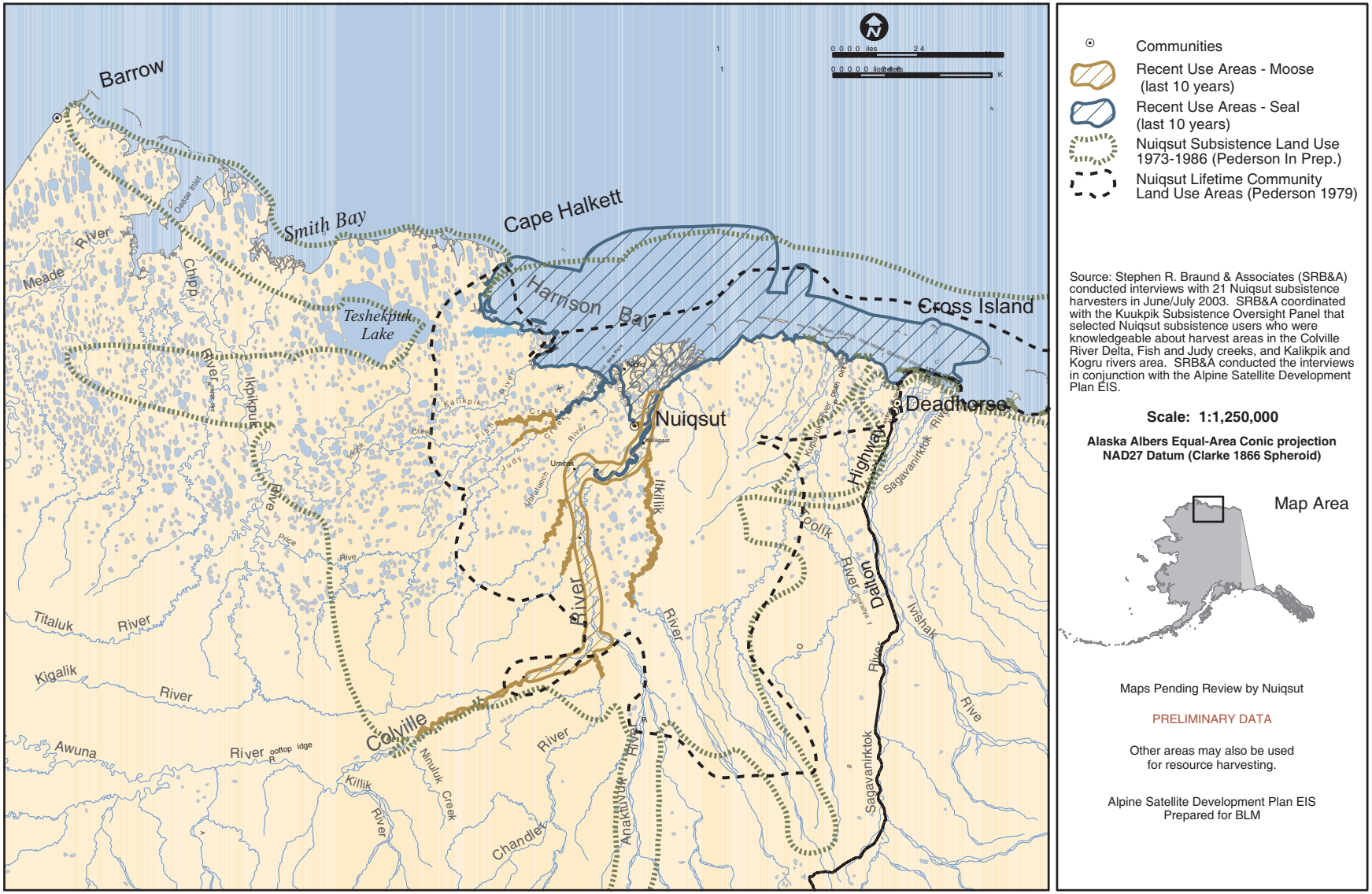


Figure 3.4.2-12 Nuiqsut Camps, Cabins, and Caches



Source: Braund & Associates (2004)

Figure 3.4.2-13 Nuiqsut Partial Subsistence Use Areas for Berries, Bowhead Whale, and Eider, 2003



Source: Braund & Associates (2004)

Figure 3.4.2-14 Nuiqsut Partial Subsistence-Use Areas for Moose and Seal, 2003

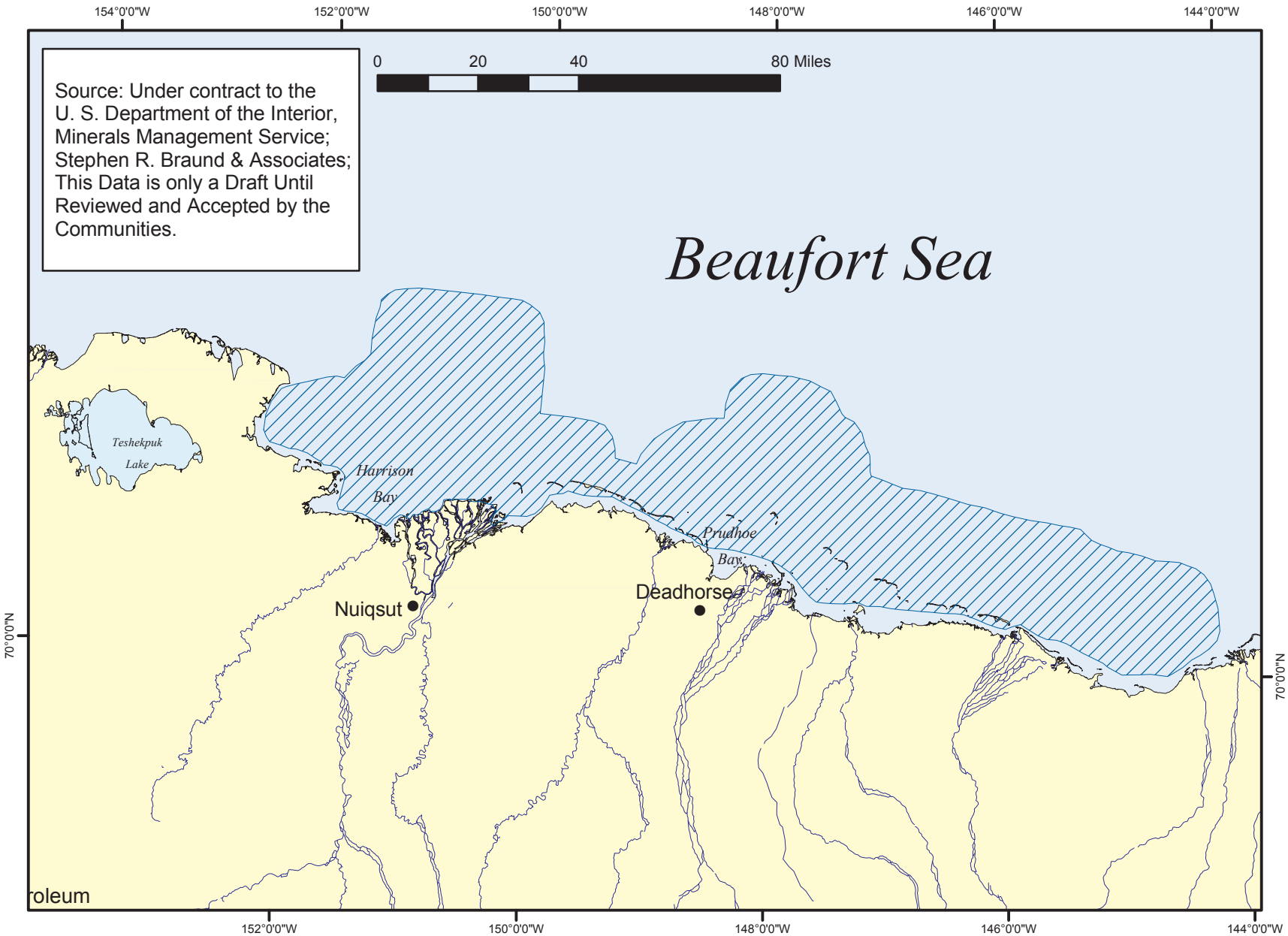


Figure 3.4.2-15 Nuiqsut Subsistence-Use Areas, Ringed Seal, 1996-2006

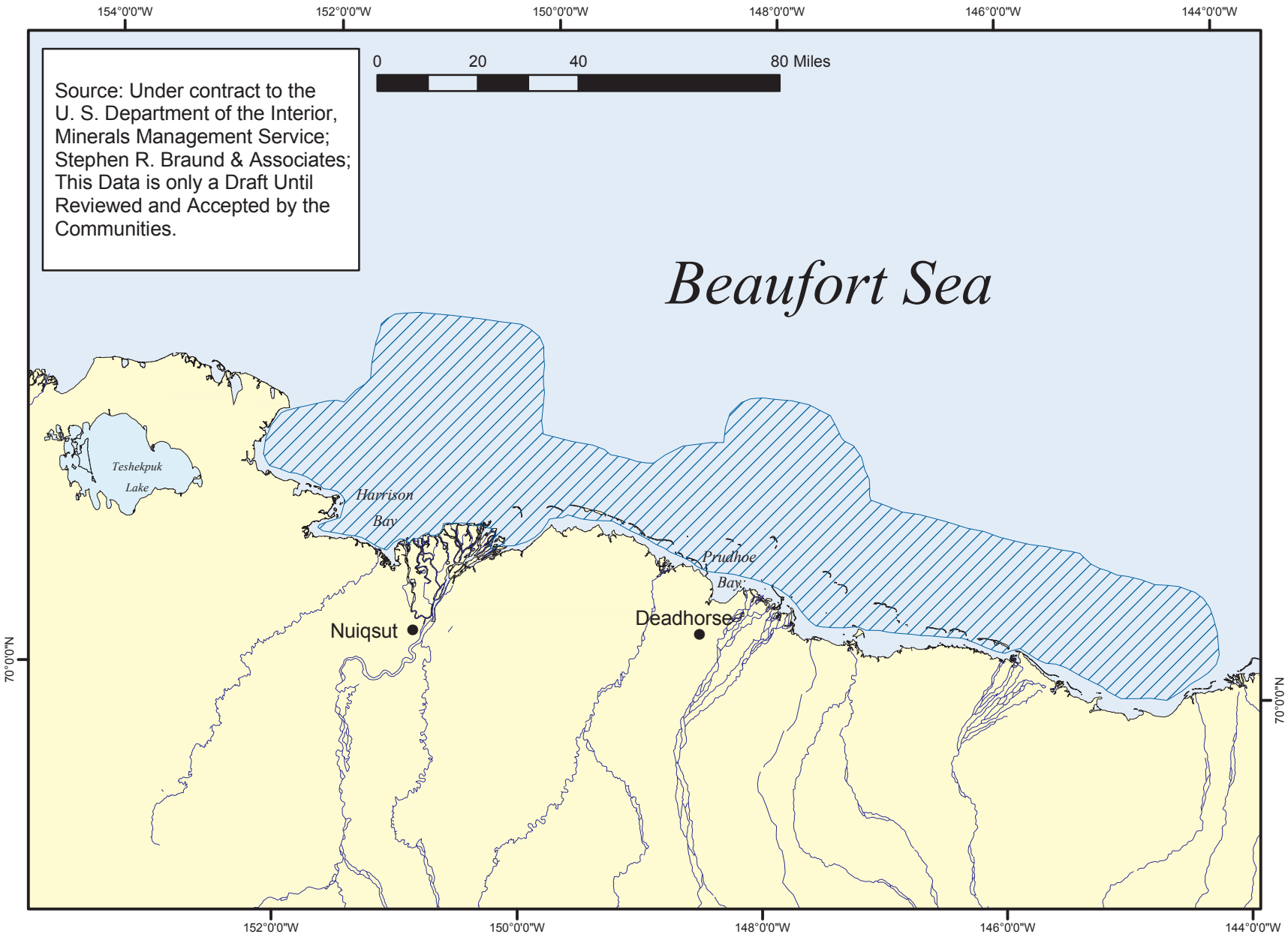
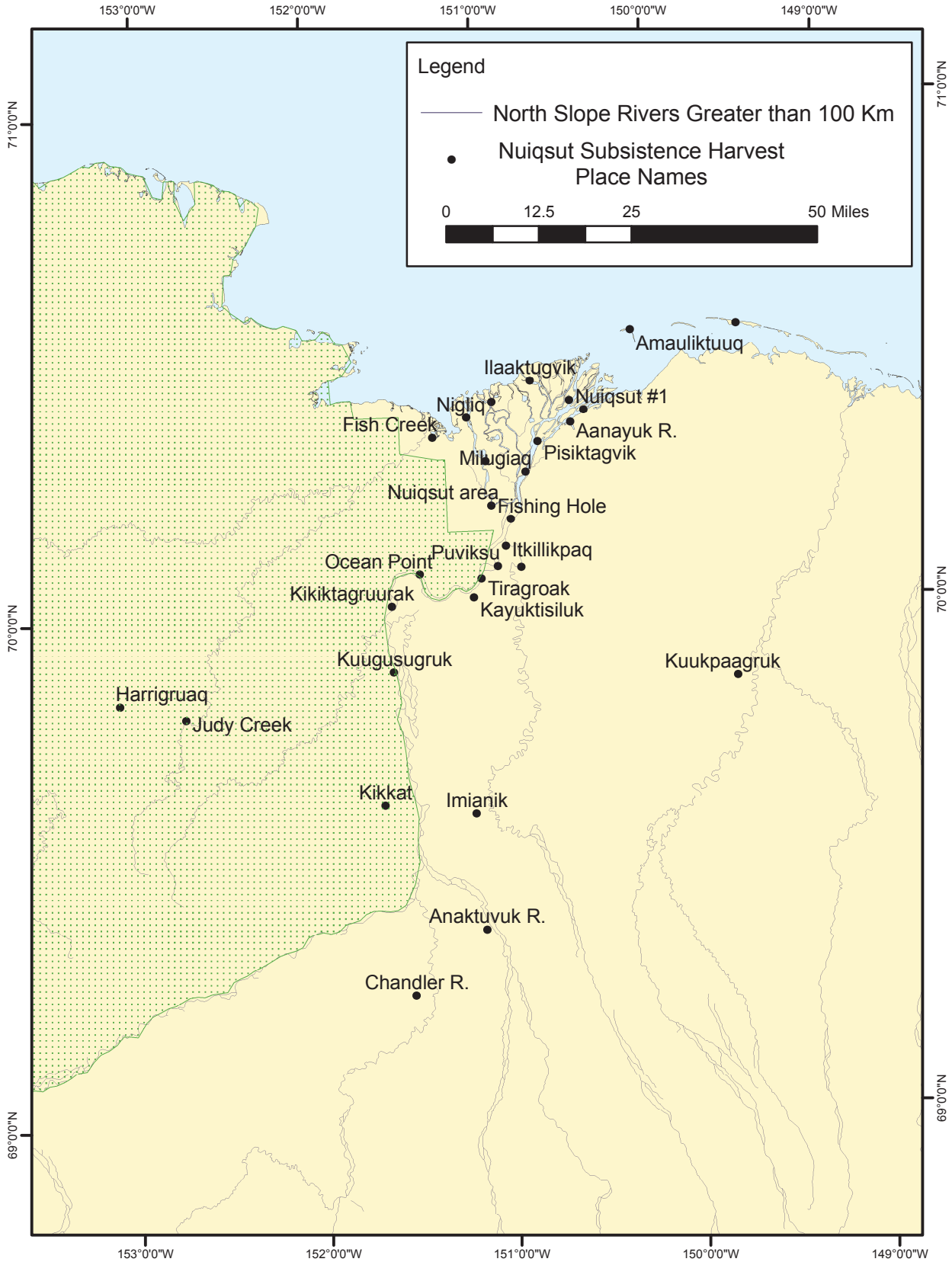


Figure 3.4.2-16 Nuiqsut Subsistence-Use Areas, Bearded Seal, 1996-2006



Source: Brower and Opie (1997)

Figure 3.4.2-17 Nuiqsut Subsistence-Harvest Place Names, July 1994 to June 1995

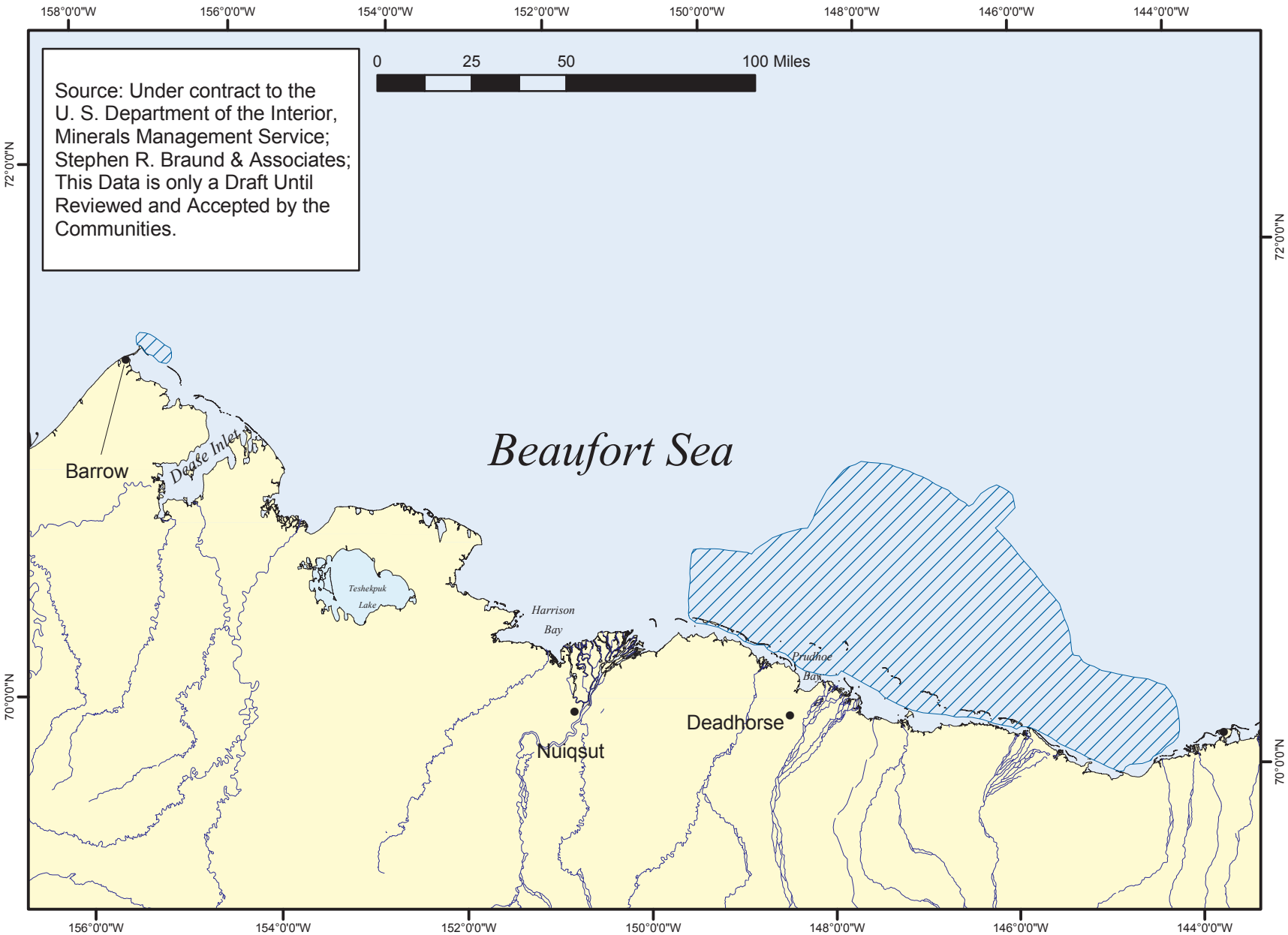
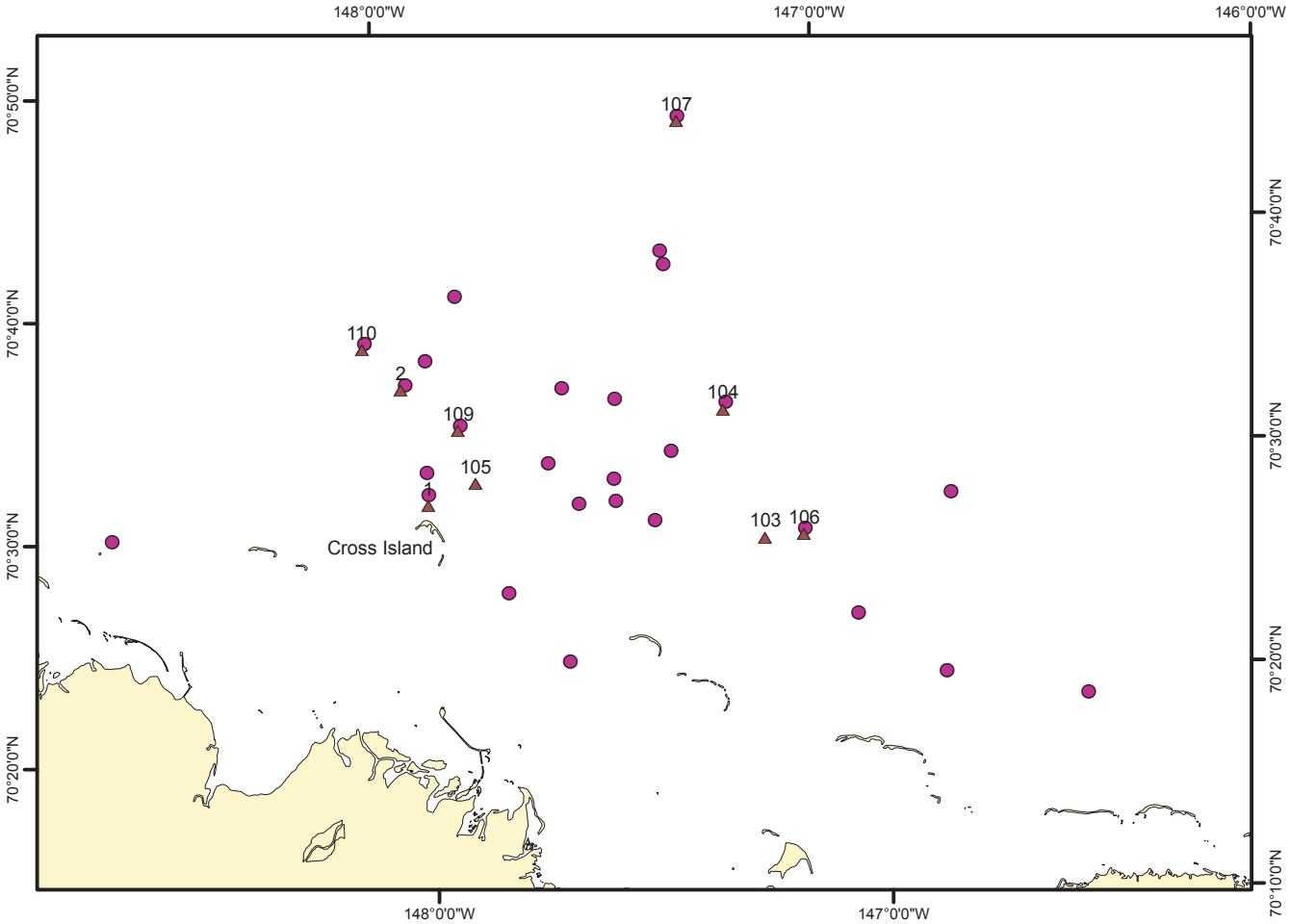


Figure 3.4.2-18 Nuiqsut Subsistence-Use Areas, Bowhead Whale, 1996-2006

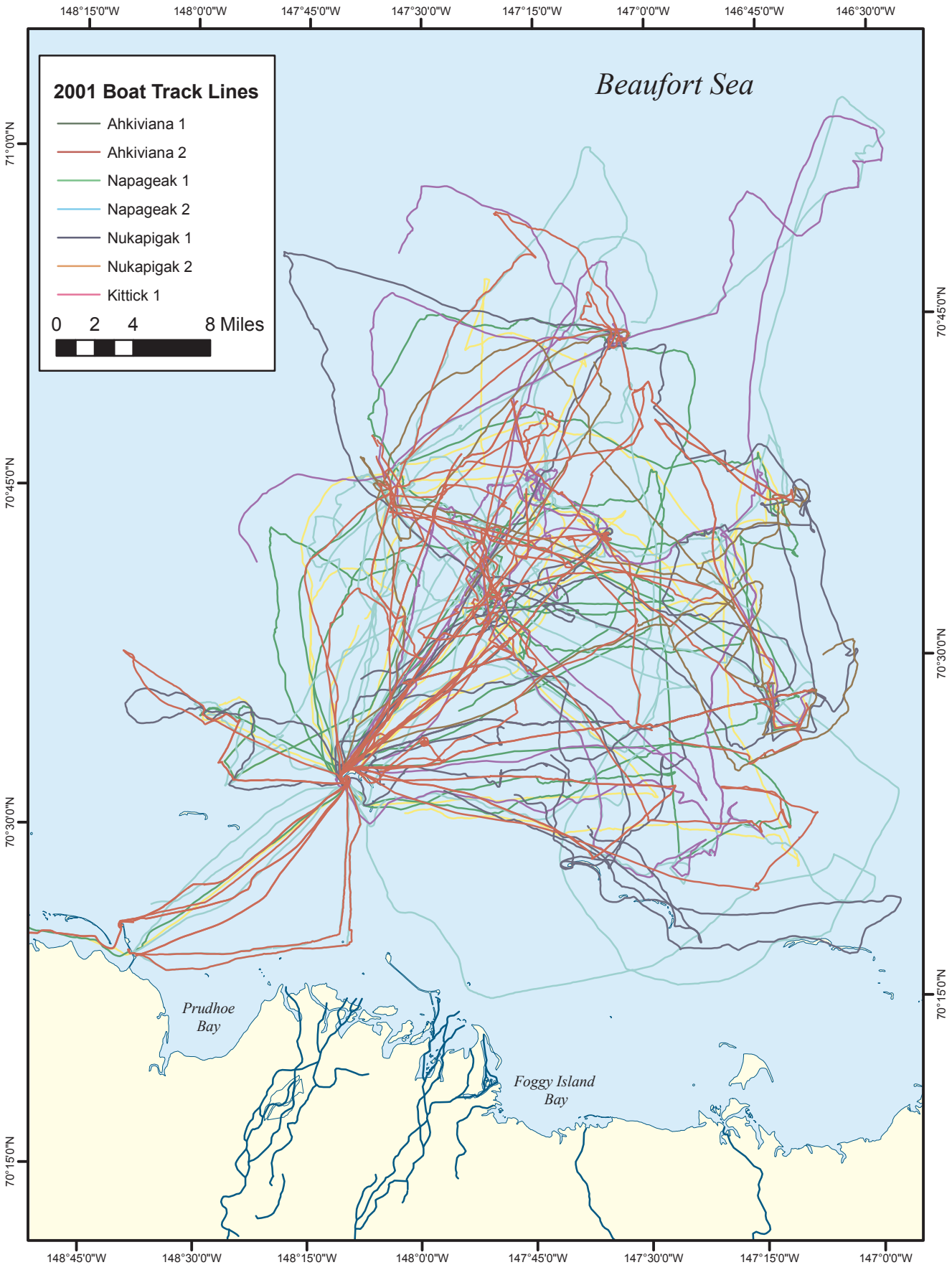


▲ Bowhead Whale Strikes 1937-1992
● Historic Bowhead Strikes 1937-2001

Location Id	Year
1	1937
2	1940
103	1983
104	1985
105	1986
106	1990
107	1991
109	1992
110	1992

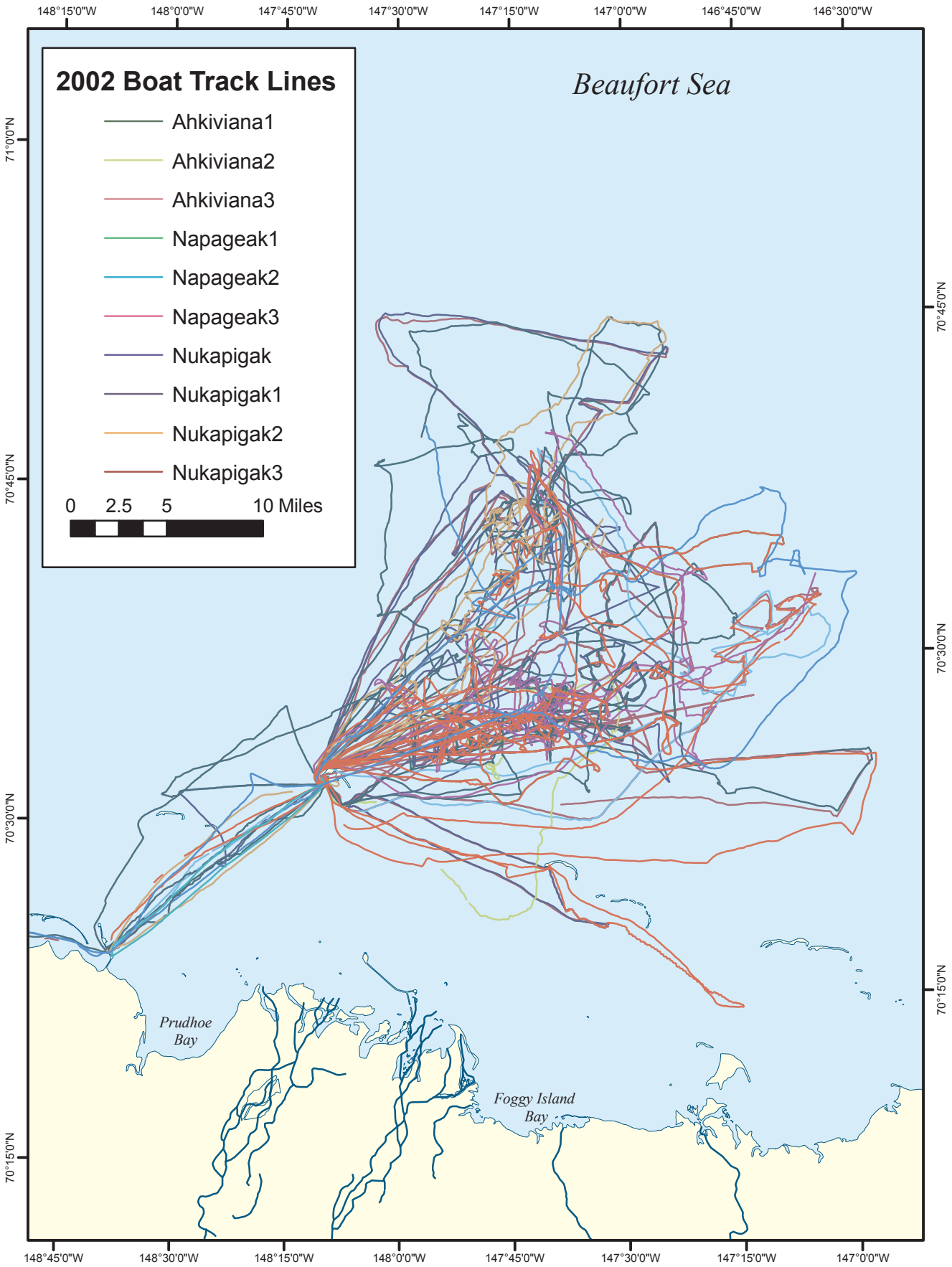
Sources: Long (1996); North Slope Borough Planning Dept. (1993); Bowhead Strikes 1937-2001

Figure 3.4.2-19 Bowhead Whale Harvest Locations Near Cross Island, 1937 - 2001



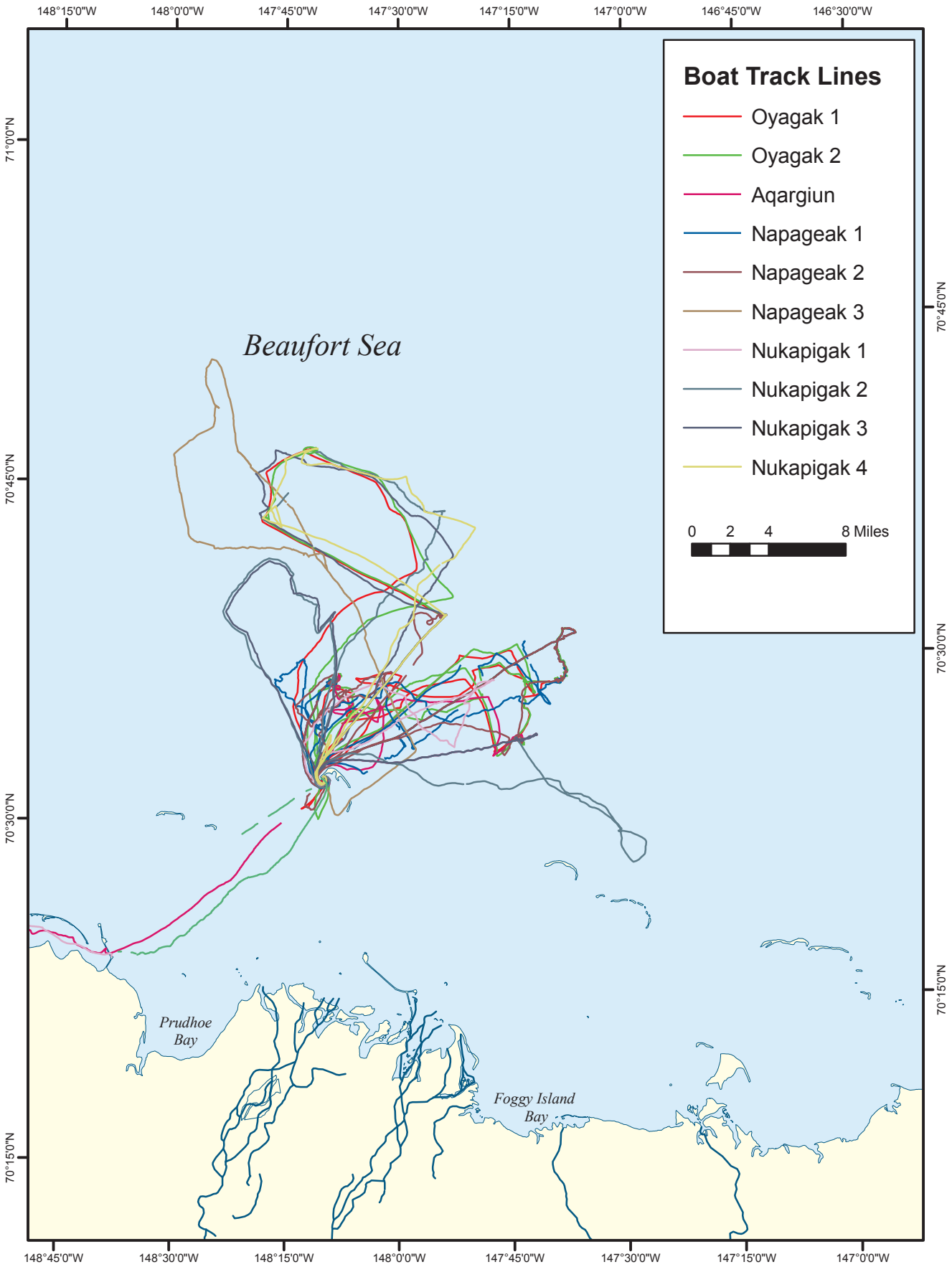
Source: Galginaitis, 2004

Figure 3.4.2-20 Composite GPS Tracks for All Whaling Trips for All Boats, 2001 Cross Island Whaling Season



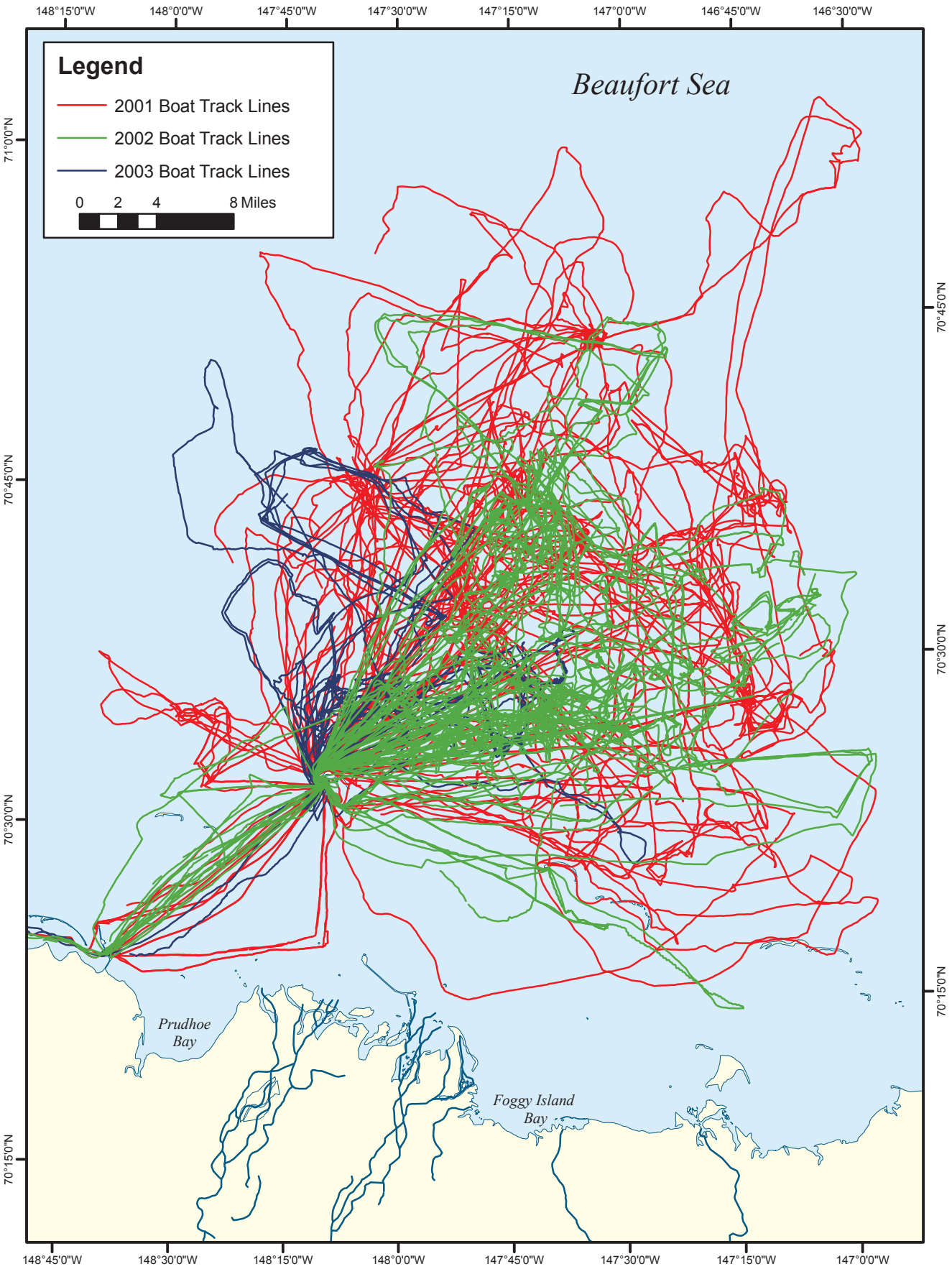
Source: Galginaitis, 2004

Figure 3.4.2-21 Composite GPS Tracks for All Whaling Trips for All Boats, 2002 Cross island Whaling Season



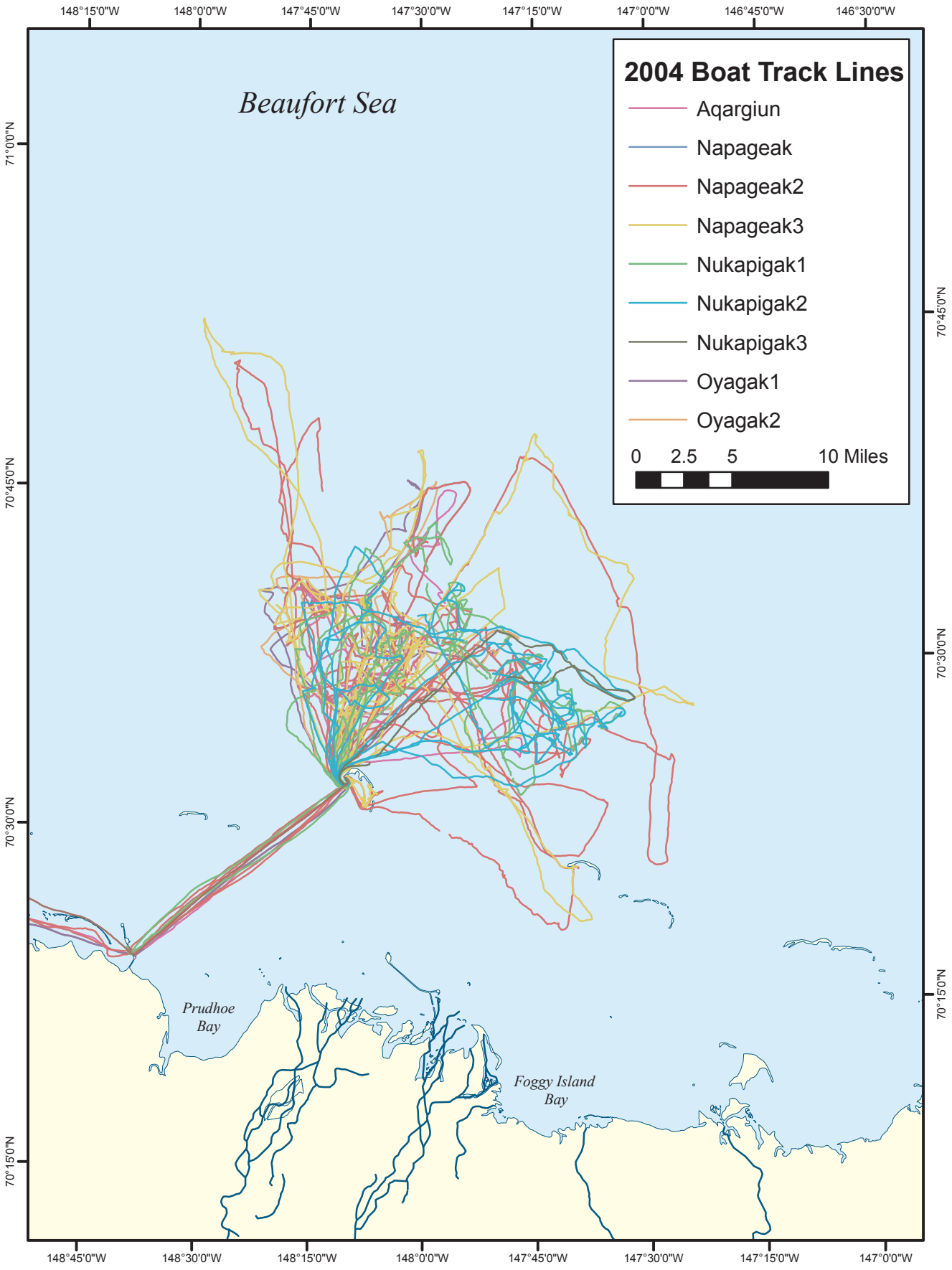
Source: Galginaitis, 2005

Figure 3.4.2-22 Composite GPS Tracks for All Whaling Trips for All Boats, 2003 Cross Island Whaling Season



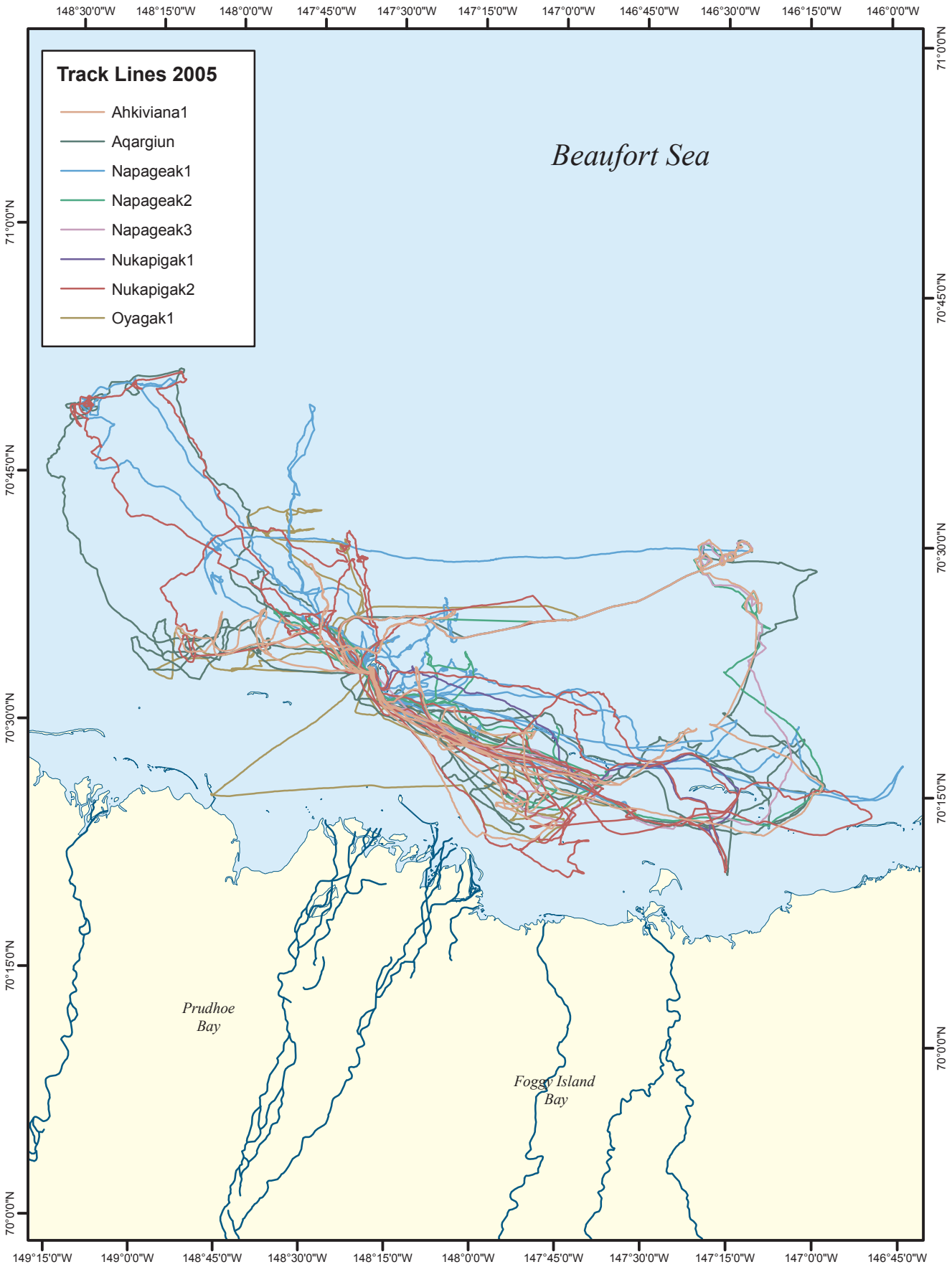
Source: Galginaitis, 2005

Figure 3.4.2-23 Comparison of Composite GPS Tracks for 2001, 2002, and 2003 Cross Island Whaling Seasons



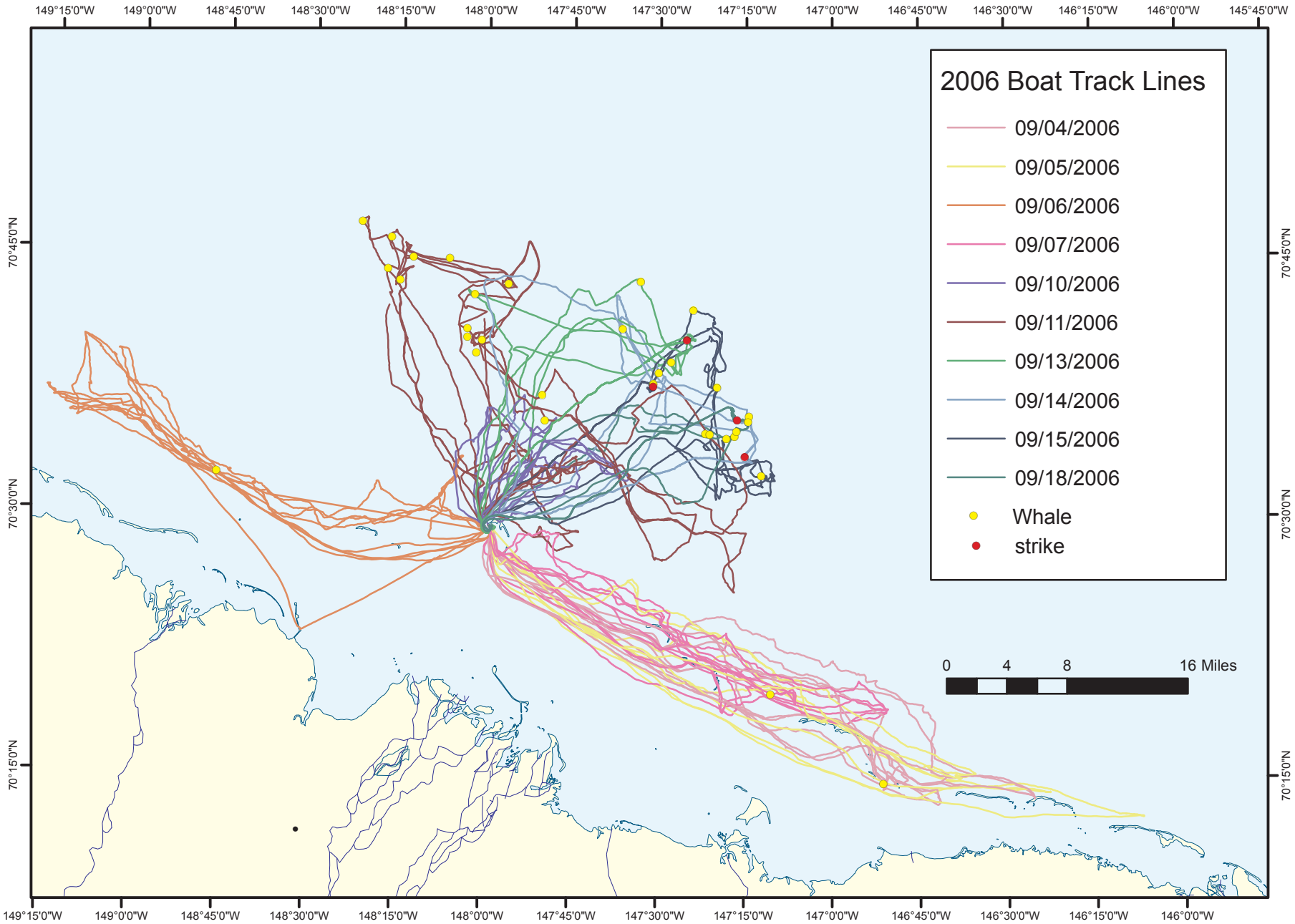
Source: Galginaitis and Funk, 2006a

Figure 3.4.2-24 Composite GPS Tracks for All Whaling Trips for All Boats, 2004 Cross Island Whaling Season



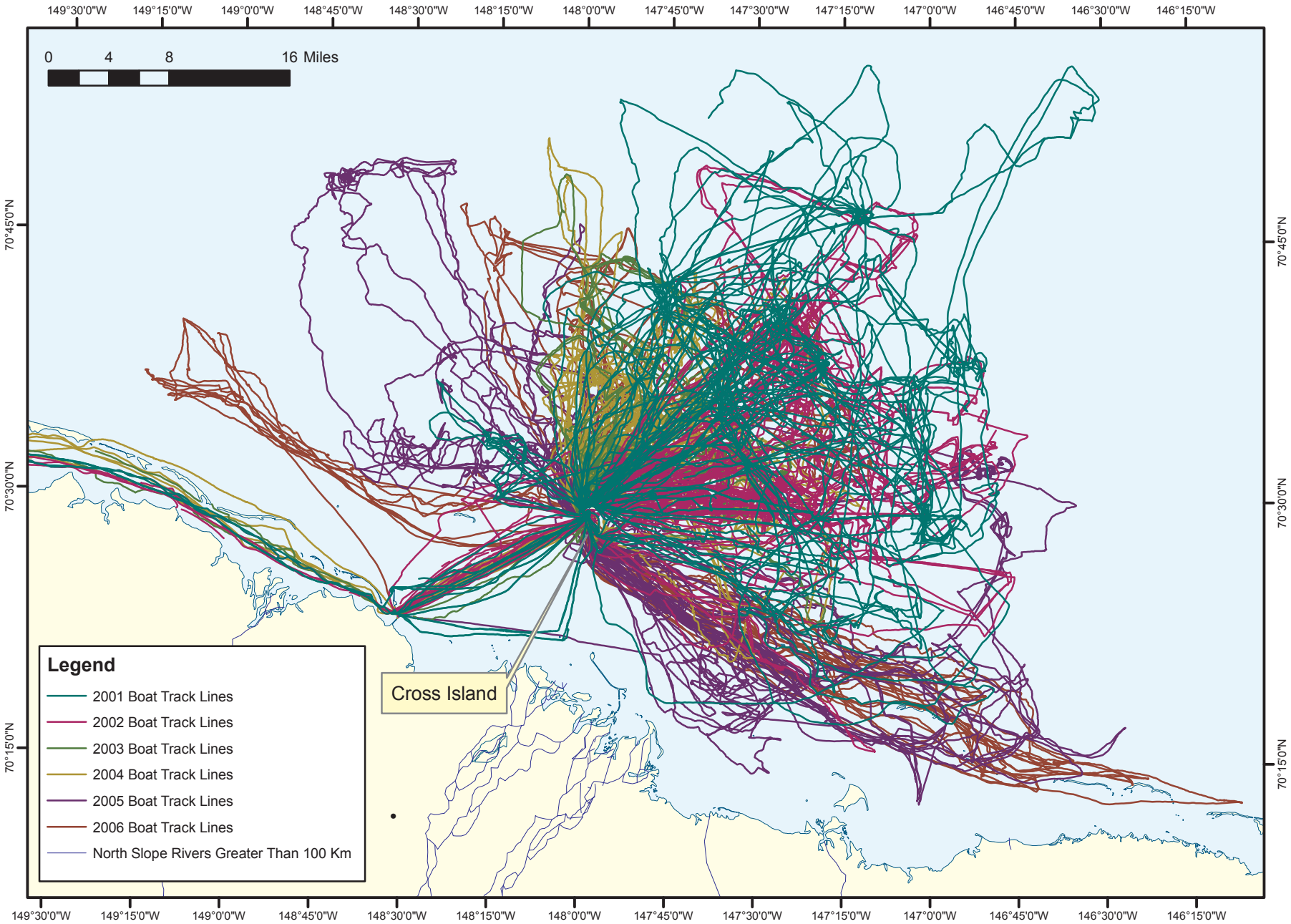
Source: Galginaitis and Funk 2006b

Figure 3.4.2-25 Composite GPS Tracks for All Whaling Trips for All Boats, 2005 Cross Island Whaling Season



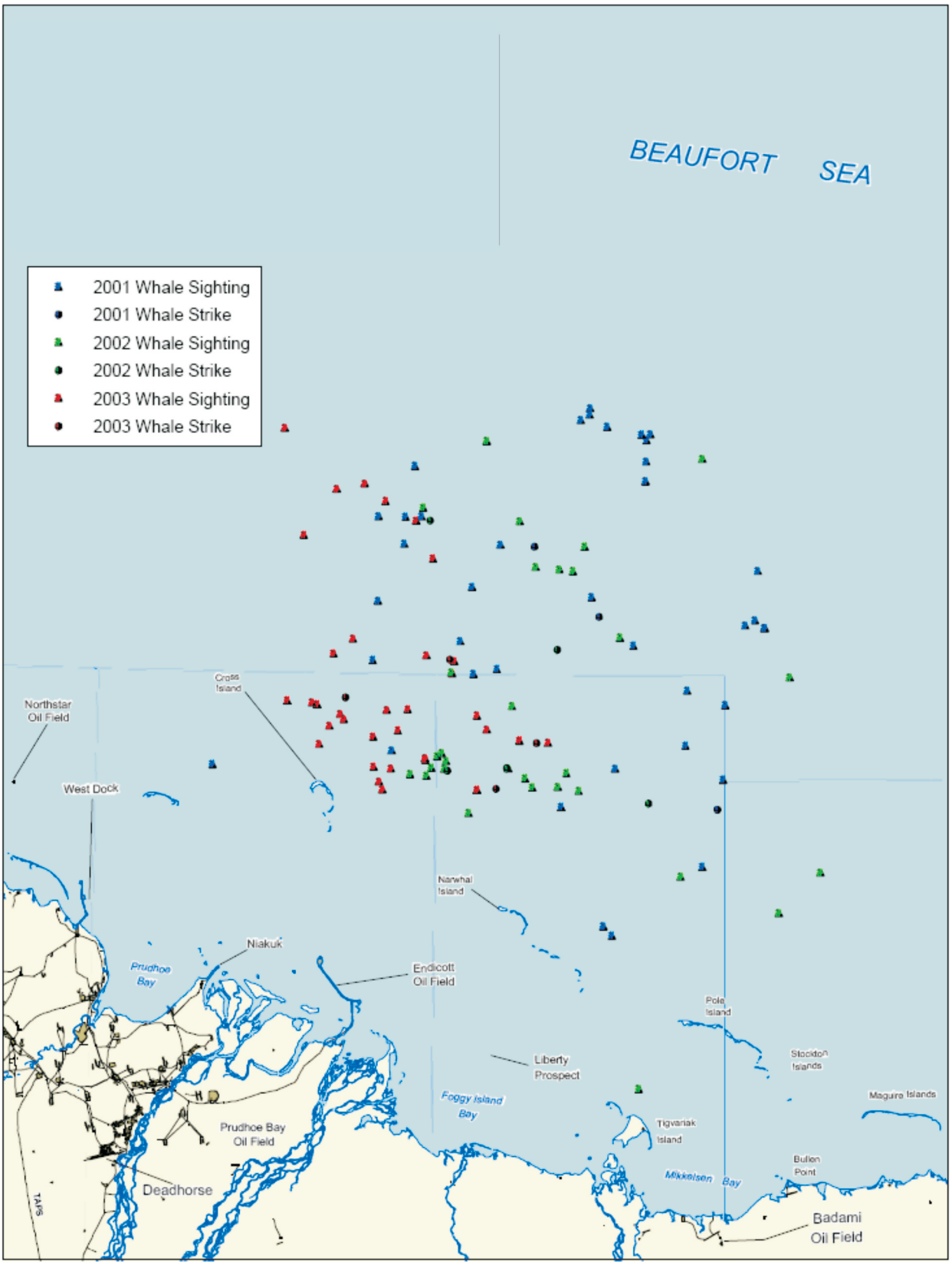
Source: Galginaitis and Funk, 2007

Figure 3.4.2-26a GPS Tracks for 2006 Cross Island Whaling Season By Day



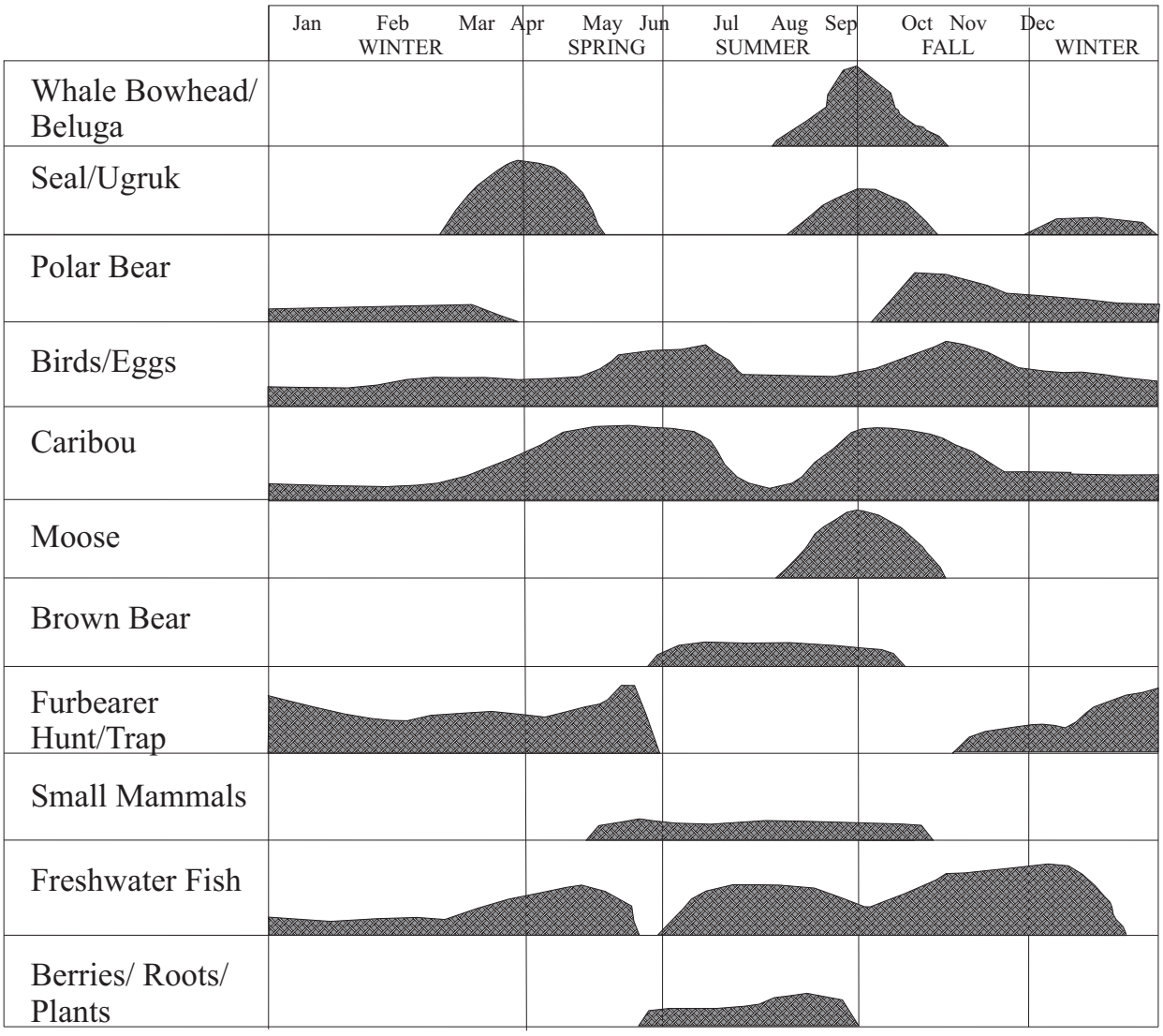
Source: Galginaitis and Funk, 2007

Figure 3.4.2-26b Composite GPS Tracks for Cross Island Whaling Trips, 2001-2006



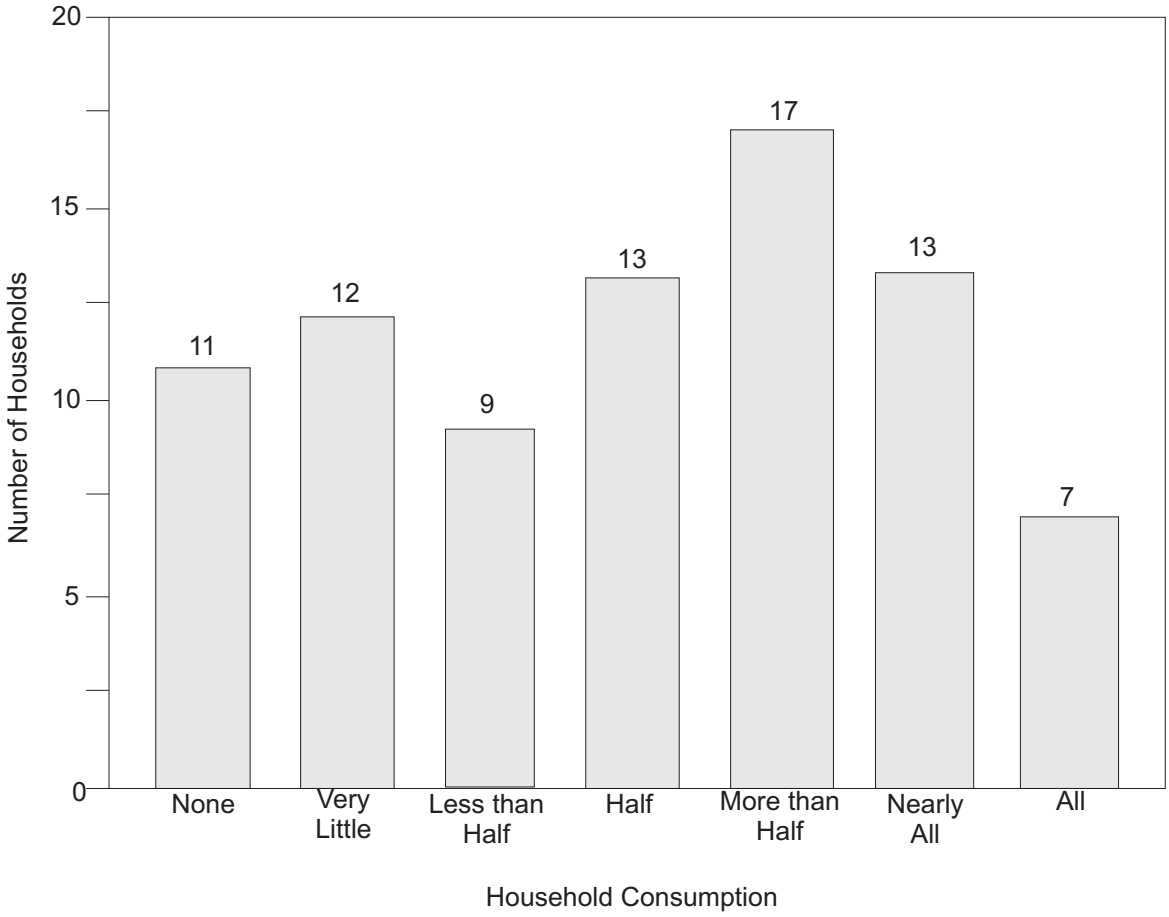
Source: Galginaitis and Funk, 2005

Figure 3.4.2-27 Comparison of Whale Sightings by Nuiqsut Whalers for 2001, 2002, and 2003



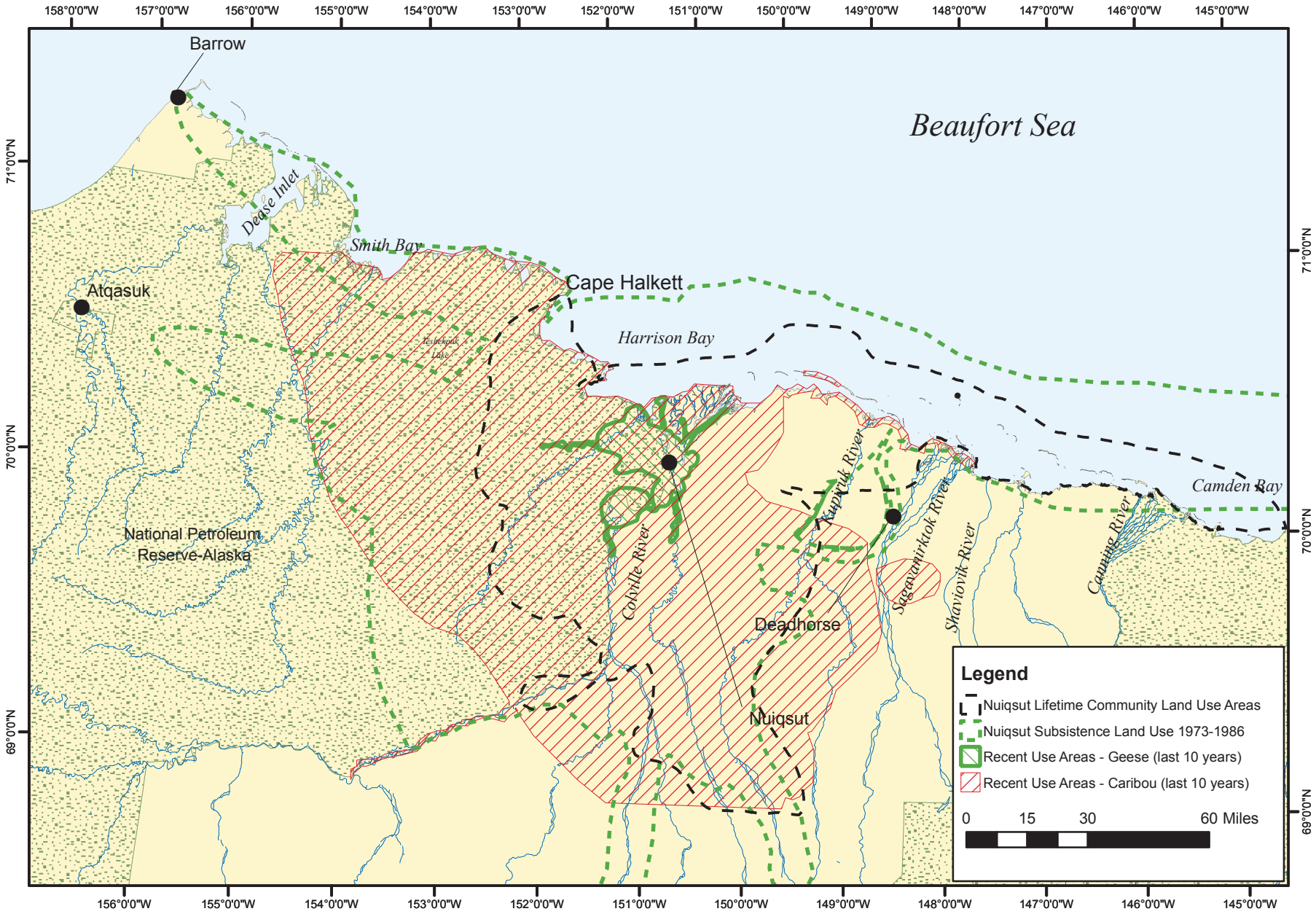
Source: North Slope Borough Contract Staff (1979)

Figure 3.4.2-28 Nuiqsut Annual Subsistence Cycle. Patterns indicate desired periods for pursuit of each species based upon the relationship of abundance, hunter access, seasonal needs, and desirability. Peaks represent optimal periods of pursuit of subsistence resources.



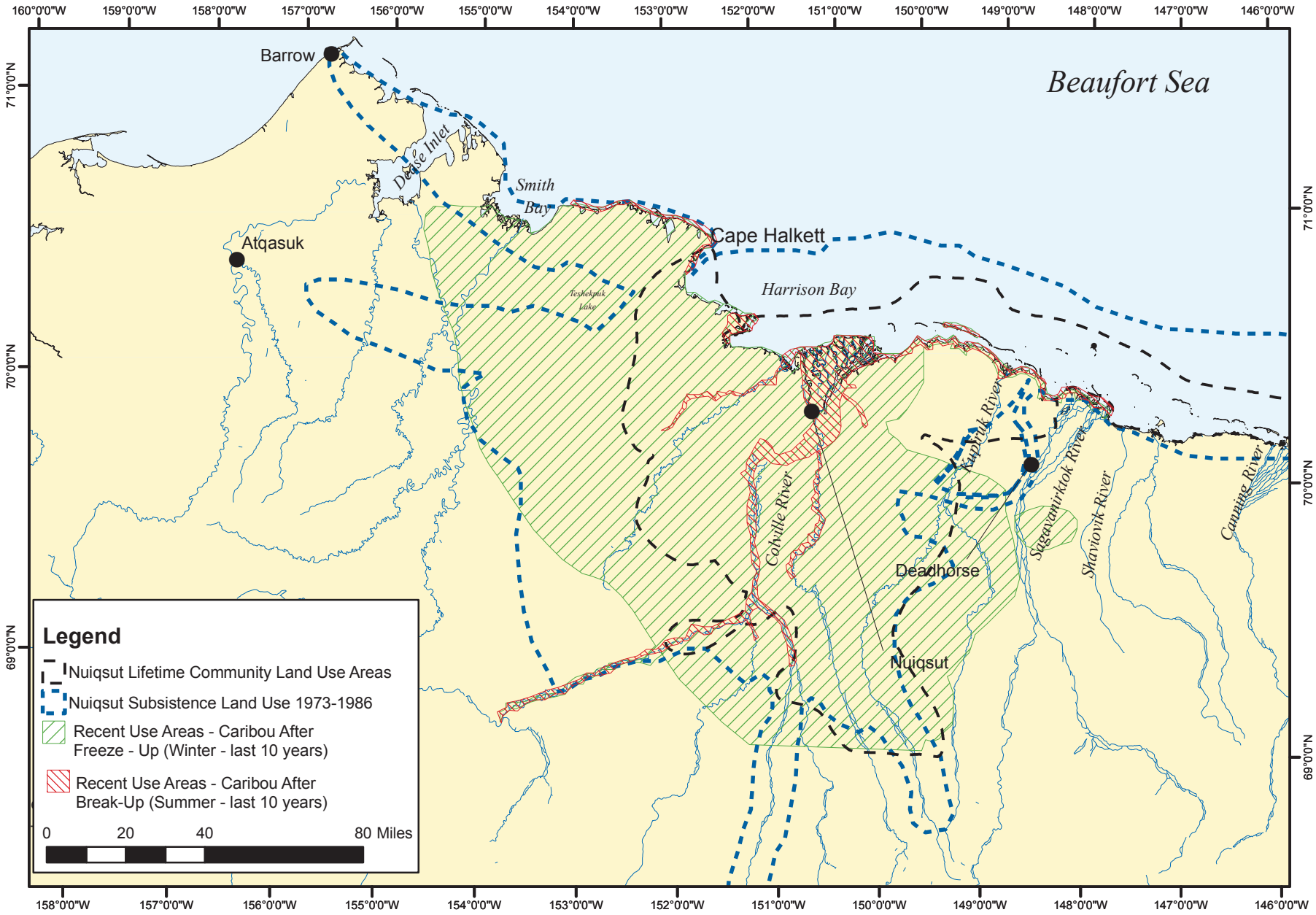
Source: Harcharek (1995)

Figure 3.4.2-29 Nuiqsut Household Consumption of Meat, Fish, and Birds from Subsistence Activities



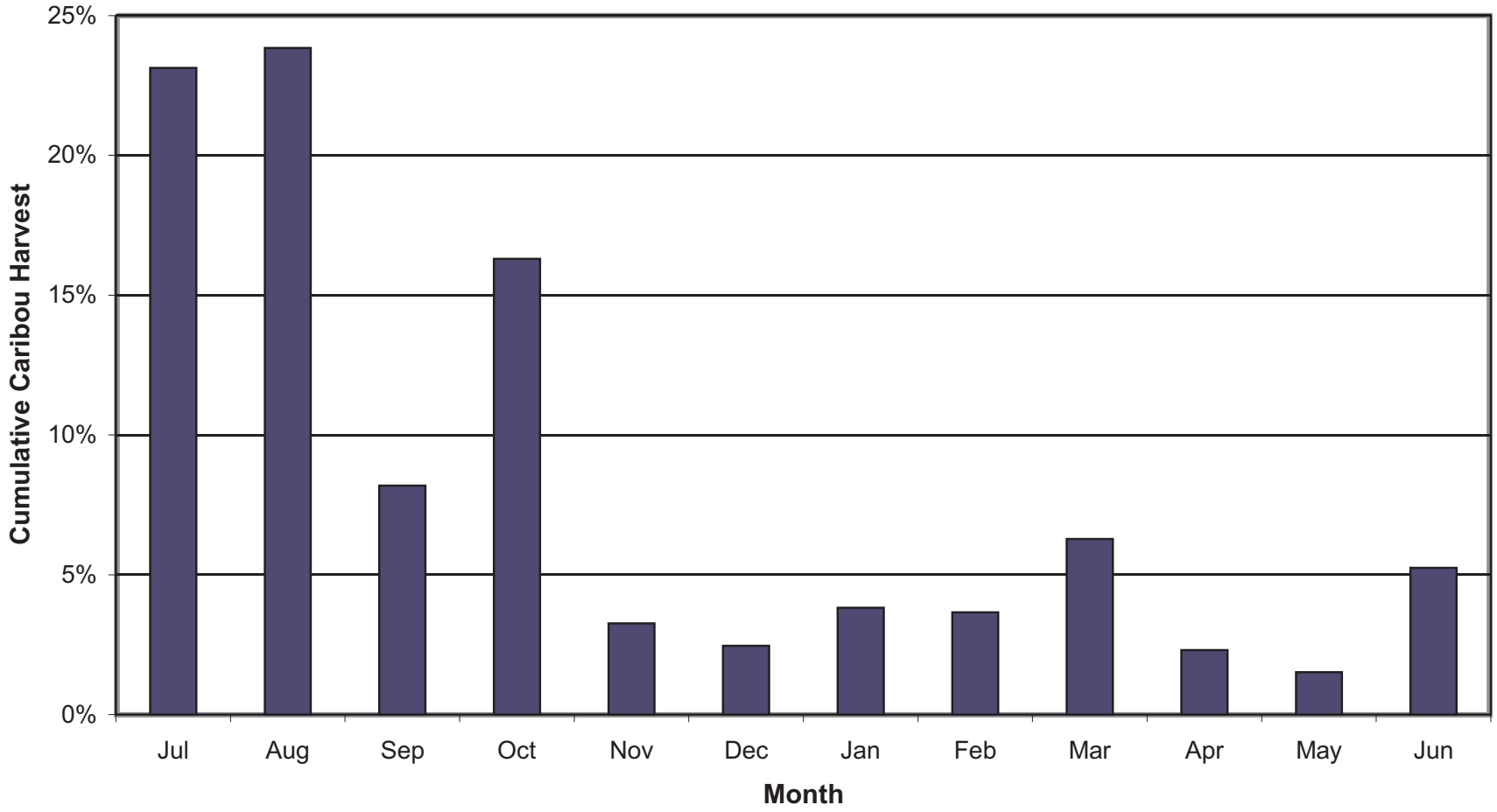
Source: Braund & Associates (2004)

Figure 3.4.2-30 Nuiqsut Partial Subsistence-Use Areas for Caribou (All Seasons) and Geese, 2003



Source: Braund & Associates (2004)

Figure 3.4.2-31 Nuiqsut Partial Subsistence-Use Areas for Caribou by Season, 2003

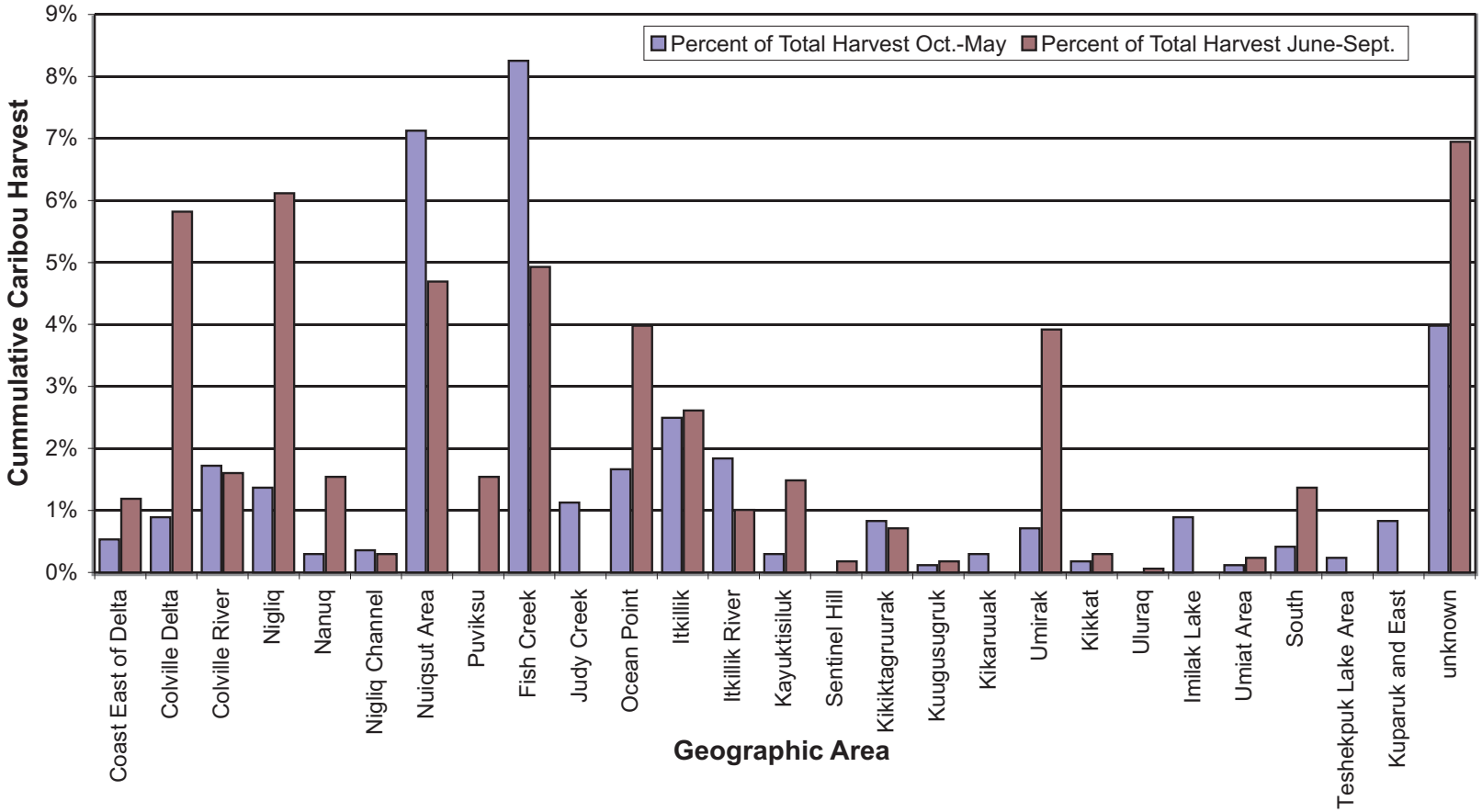


Note: Data for the study years of 1994-1995, 2000 and 2001 is raw, uncorrected data, and the figure does not represent total harvest numbers

Source: Alaska Department of Fish and Game, Division of Subsistence, 2003 (unpublished Nuiqsut data, 1993)
North Slope Borough Department of Wildlife Management, 2003 (unpublished Nuiqsut data, 1994-1995, 2000, 2001)

Stephen R. Braund & Associates, 2003

Figure 3.4.2-32 Nuiqsut Cumulative Caribou Harvest by Month, 1993, 1994-1995, 2000 and 2001

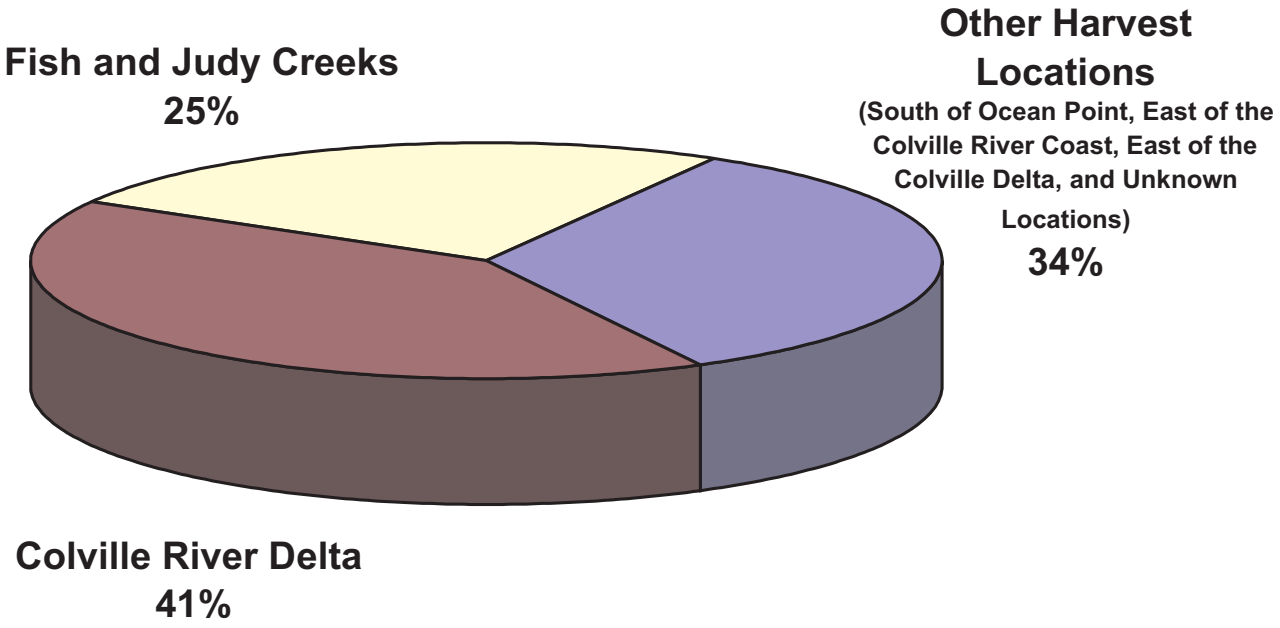


Note: Data for the study years of 1994-1995, 2000 and 2001 is raw, uncorrected data, and the figure does not represent total harvest numbers

Source: Alaska Department of Fish and Game, Division of Subsistence, 2003 (unpublished Nuiqsut data, 1993)
North Slope Borough Department of Wildlife Management, 2003 (unpublished Nuiqsut data, 1994-1995, 2000, 2001)

Stephen R. Braund & Associates, 2003

Figure 3.4.2-33 Nuiqsut Cumulative Caribou Harvest by Season and Location, 1993, 1994-1995, 2000 and 2001

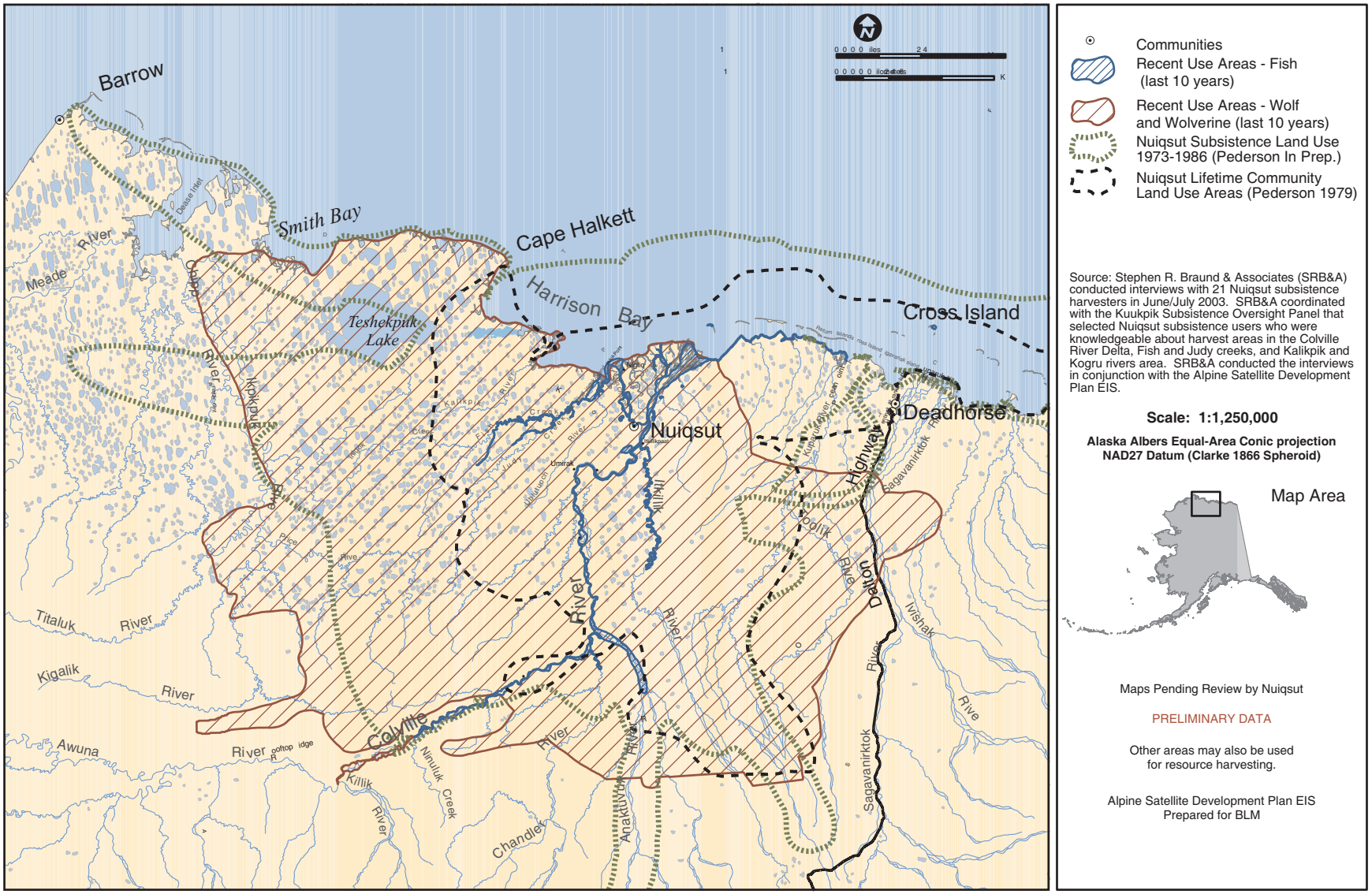


Note: Data for the study years of 1994-1995, 2000 and 2001 is raw, uncorrected data, and the figure does not represent total harvest numbers

Source: Alaska Department of Fish and Game, Division of Subsistence, 2003 (unpublished Nuiqsut data, 1993)
North Slope Borough Department of Wildlife Management, 2003 (unpublished Nuiqsut data, 1994-1995, 2000, 2001)

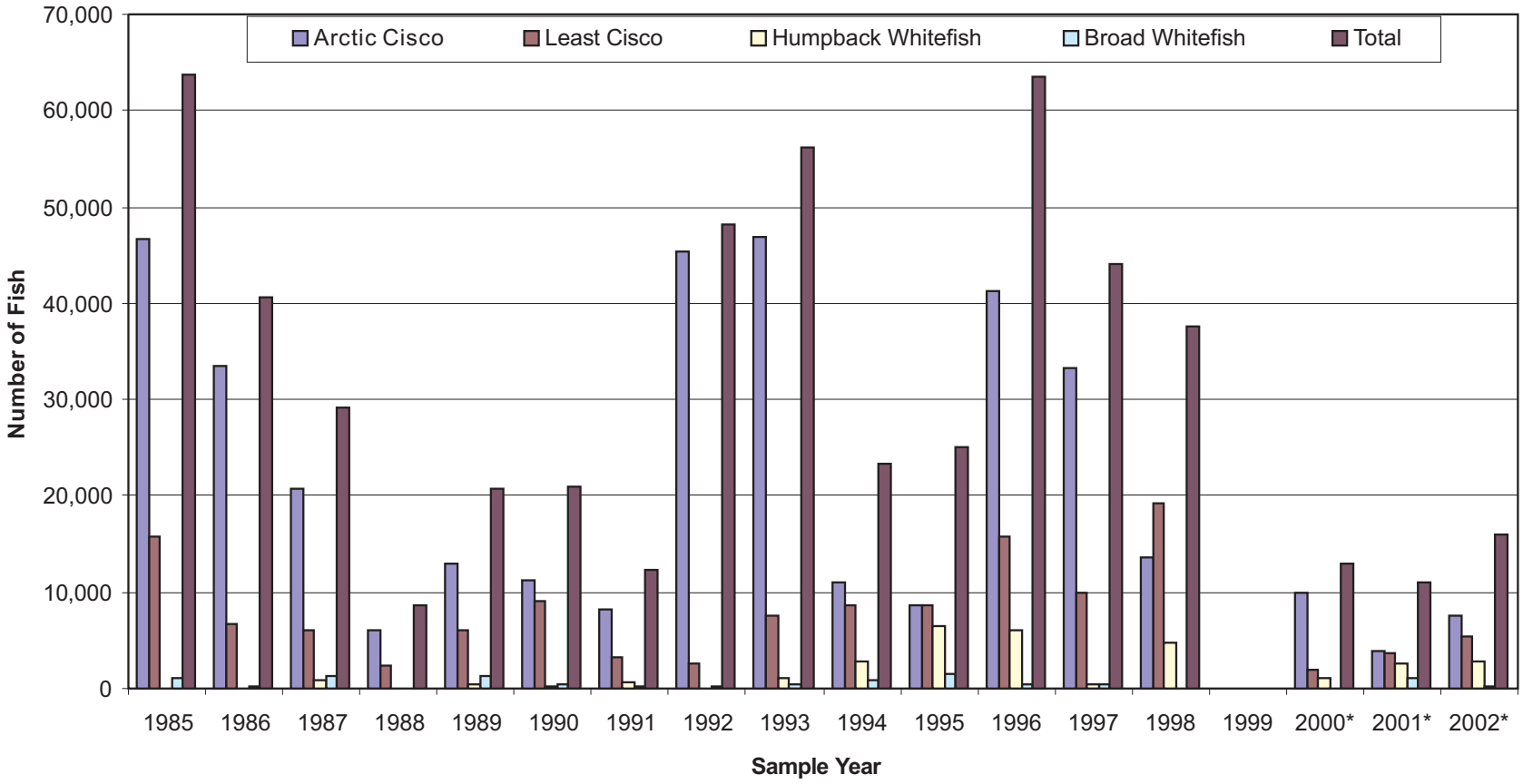
Stephen R. Braund & Associates, 2003

Figure 3.4.2-34 Nuiqsut Cumulative Caribou Harvest by Area, 1993, 1994-1995, 2000 and 2001



Source: Braund and Associates (2004)

Figure 3.4.2-35 Nuiqsut Partial Subsistence-Use Areas for Fish and Wolf/Wolverine, 2003



* Harvest numbers represent only the Nigliq Channel Harvest

Source: Moulton, 2002: Table 6

Stephen R. Braund & Associates, 2003

Figure 3.4.2-36 Estimated Whitefish Harvests for the Colville River Delta Fall Subsistence Fishery, 1985-2002