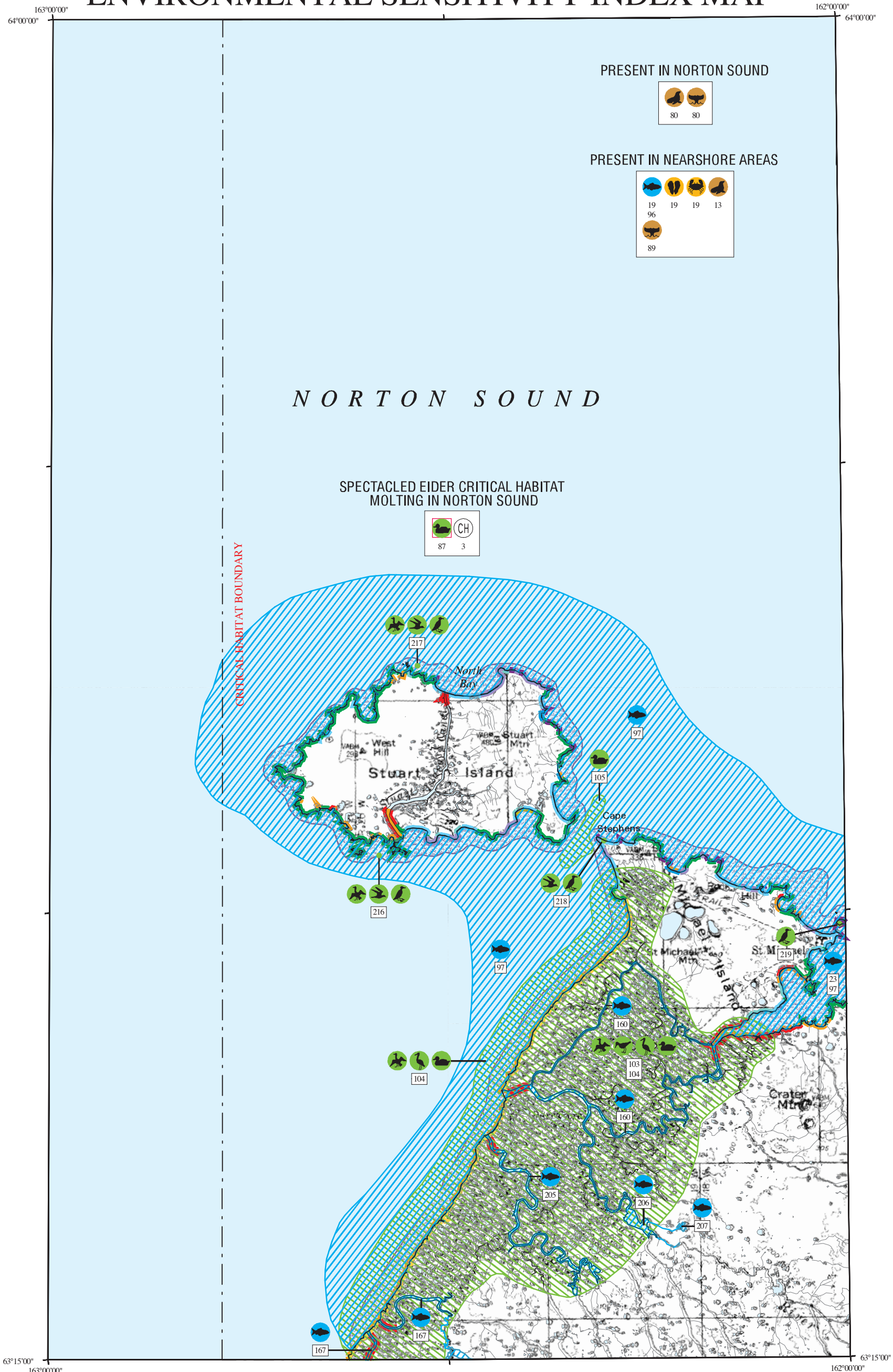
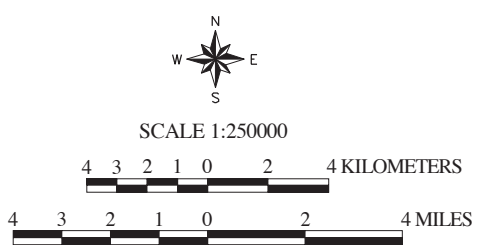


ENVIRONMENTAL SENSITIVITY INDEX MAP

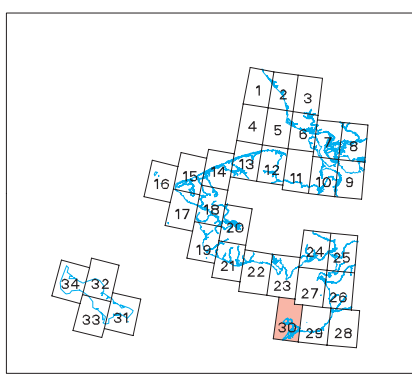


- SHORELINE HABITATS (ESI)**
- 1A EXPOSED ROCKY SHORES
 - 1B EXPOSED, SOLID MAN-MADE STRUCTURES
 - 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK, MUD, OR CLAY
 - 2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY
 - 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
 - 3B SCARPS AND STEEP SLOPES IN SAND
 - 3C TUNDRA CLIFFS
 - 4 COARSE-GRAINED SAND BEACHES
 - 5 MIXED SAND AND GRAVEL BEACHES
 - 6A GRAVEL BEACHES
 - 6B RIPRAP
 - 7 EXPOSED TIDAL FLATS
 - 8A SHELTERED ROCKY SHORES AND SHELTERED SCARPS IN MUD AND CLAY
 - 8B SHELTERED, SOLID MAN-MADE STRUCTURES
 - 8C SHELTERED RIPRAP
 - 8E PEAT SHORELINES
 - 9A SHELTERED TIDAL FLATS
 - 9B SHELTERED, VEGETATED LOW BANKS
 - 10A SALT- AND BRACKISH-WATER MARSHES
 - 10D SCRUB-SHRUB WETLANDS
 - 10E INUNDATED, LOW-LYING TUNDRA



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National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division



NW ARCTIC, AK - ESIMAP 30

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S/F	T/E	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Pre-nest	Nesting	Post-nest	
87	Spectacled eider	S/F	C/T	4030								X	X	X			-	-	-	-
103	American golden-plover			1000							X	X	X				-	-	JUL-SEP	-
	Dunlin			16000						X	X						-	JUN-JUL	-	-
	Long-billed dowitcher			1000						X	X	X					-	-	JUL-SEP	-
	Pectoral sandpiper			1000						X	X	X					-	-	JUL-SEP	-
	Red-necked phalarope			20000						X	X						-	JUN-JUL	-	-
	Semipalmated sandpiper			10000s						X	X						-	JUN-JUL	-	-
	Sharp-tailed sandpiper			1000							X	X	X				-	-	JUL-SEP	-
104	American wigeon									X	X	X	X	X			MAY-JUN	MAY-AUG	JUN-SEP	-
	Common eider									X	X	X	X	X			MAY-JUN	JUN-JUL	JUL-SEP	-
	Greater scaup									X	X	X	X	X			MAY-JUN	MAY-SEP	JUN-SEP	-
	Green-winged teal									X	X	X	X	X			MAY-MAY	MAY-AUG	JUN-SEP	-
	Mallard									X	X	X	X	X			APR-MAY	MAY-AUG	AUG-SEP	-
	Northern pintail									X	X	X	X	X			MAY-MAY	MAY-AUG	JUN-SEP	-
	Northern shoveler									X	X	X	X	X			MAY-MAY	MAY-AUG	JUN-SEP	-
	Pacific loon									X	X	X	X	X			MAY-JUN	MAY-SEP	AUG-SEP	-
	Red-throated loon									X	X	X	X	X			MAY-JUN	MAY-AUG	AUG-SEP	-
	Sandhill crane									X	X	X	X	X	X		APR-MAY	MAY-JUL	AUG-SEP	-
105	Scoters										X	X	X	X			-	-	-	-
216	Arctic tern			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			185						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Murre			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Tufted puffin			15						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
217	Arctic tern			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Cormorant			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Tufted puffin			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
218	Black-legged kittiwake			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Murre			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Pigeon guillemot			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
219	Black-legged kittiwake			100						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			140						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Pigeon guillemot			UNKNOWN						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Tufted puffin			10						X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-

FISH:																					
RAR#	Species	S/F	T/E	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
19	Chinook salmon									X	X	X					-	-	-	MAY-JUL	JUN-JUL
	Chum salmon (dog)									X	X	X	X				-	-	-	MAY-JUL	JUN-AUG
	Coho salmon (silver)									X	X	X	X				-	-	-	MAY-JUL	AUG-AUG
	Dolly varden									X	X	X	X	X	X		-	-	-	MAY-JUL	AUG-OCT
	Pink salmon (humpy)									X	X	X					-	-	MAY-JUL	MAY-JUL	JUN-JUL
	Rainbow smelt				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Saffron cod				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Starry flounder									X	X	X					-	-	-	JUN-AUG	JUN-AUG
23	Sheefish			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	NOV-APR
96	Capelin									X	X	X					JUN-JUN	JUN-JUL	JUN-AUG	-	JUN-AUG
	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
97	Pacific herring			VERY HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	MAY-JUL	MAY-JUL	JUN-JUL	NOV-SEP
																				NOV-APR	
160	Chinook salmon				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-DEC	DEC-JUL	JAN-DEC	JUL-AUG
	Chum salmon (dog)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUL-DEC	DEC-MAY	MAY-MAY	JUL-SEP
	Pink salmon (humpy)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-DEC	DEC-JUN	MAY-JUN	JUL-AUG
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
167	Chinook salmon				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-DEC	DEC-JUL	JAN-DEC	JUL-AUG
	Chum salmon (dog)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUL-DEC	DEC-MAY	MAY-MAY	JUL-SEP
	Coho salmon (silver)				X	X	X	X	X	X	X	X	X	X	X	X	AUG-SEP	AUG-DEC	DEC-JUN	JAN-DEC	AUG-SEP
	Dolly varden				X	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-DEC	DEC-JUN	JAN-DEC	JAN-DEC
	Pink salmon (humpy)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-DEC	DEC-JUN	MAY-JUN	JUL-AUG
	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
205	Chum salmon (dog)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUL-DEC	DEC-MAY	MAY-MAY	JUL-SEP
	Pink salmon (humpy)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	JUL-DEC	DEC-JUN	MAY-JUN	JUL-AUG
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
206	Chum salmon (dog)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUL-DEC	DEC-MAY	MAY-MAY	JUL-SEP
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
207	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC

INVERTEBRATE:																					
RAR#	Species	S/F	T/E	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
19	Alaska razor clam				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Butter clam				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Crenulate astarte				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Helmet crab				X	X	X	X		X	X					X	X	-	-	-	-
	Pinkneck clam				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Siberia softshell clam				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Softshell clam				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

MARINE MAMMAL:																				
RAR#	Species	S/F	T/E	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
13	Ringed seal				X	X	X	X	X	X				X	X	X	-	-	MAR-MAY	MAR-JUN
80	Bearded seal				X	X	X	X	X	X					X	X	-	-	-	-
	Gray whale									X	X	X	X	X	X	X	-	-	-	-
	Spotted seal									X	X	X	X	X	X	X	-	-	-	-
	Walrus			HIGH						X	X						-	-	-	-
89	Beluga whale			HIGH						X	X						-	-	-	-

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NW ARCTIC, AK - ESIMAP 30 (cont.)

HUMAN USE RESOURCES:

CRITICAL HABITAT:

HUN#	Name	Owner	Contact	Phone
3	SPECTACLED EIDER CRITICAL HABITAT		US FISH & WILDLIFE SERVICE	907/271-2781

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.