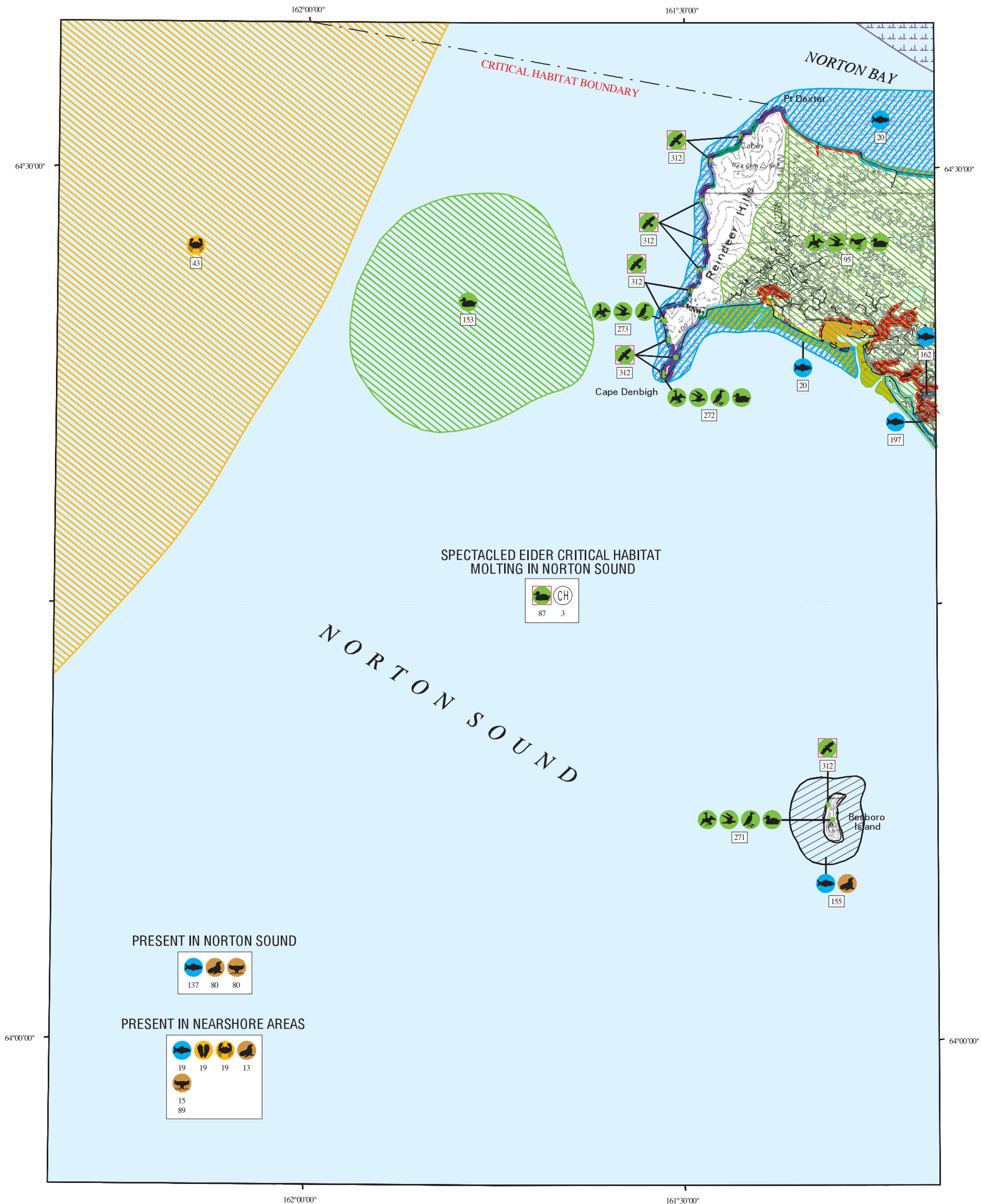
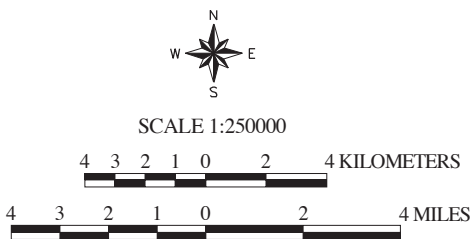


ENVIRONMENTAL SENSITIVITY INDEX MAP



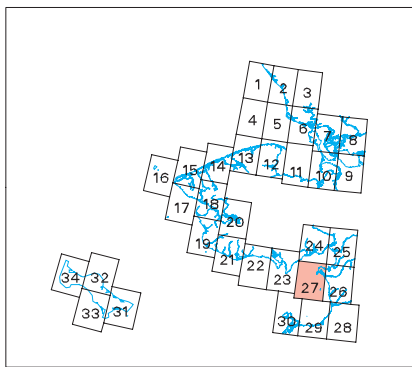
SHORELINE HABITATS (ESI)

- 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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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			-	-	-	-
95	Arctic tern								X	X	X	X					MAY-JUN	MAY-AUG	JUL-AUG	-
	Black scoter								X	X	X	X	X	X			MAY-JUN	JUN-SEP	JUN-OCT	-
	Common eider								X	X	X	X	X				MAY-JUN	JUN-JUL	JUL-SEP	-
	Dunlin			1000s					X	X							MAY-JUN	MAY-JUN	-	-
	Dunlin			10000s						X	X	X	X				-	-	JUN-SEP	-
	Greater scaup								X	X	X	X	X				MAY-JUN	MAY-SEP	JUN-SEP	-
	Long-tailed duck							X	X	X	X	X	X				APR-JUN	MAY-AUG	JUN-SEP	-
	Northern pintail								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-breasted merganser								X	X	X	X	X	X			MAY-JUN	JUN-OCT	JUL-OCT	-
	Red-necked phalarope			1000s					X	X							MAY-JUN	MAY-JUN	-	-
	Red-necked phalarope			10000s						X	X	X	X	X			-	-	JUN-OCT	-
	Red-throated loon								X	X	X	X	X				MAY-JUN	MAY-AUG	AUG-SEP	-
	Semipalmated sandpiper			1000s					X	X							MAY-JUN	MAY-JUN	-	-
	Semipalmated sandpiper			10000s						X	X	X	X	X			-	-	JUN-OCT	-
	Western sandpiper			1000s					X	X							MAY-JUN	MAY-JUN	-	-
	Western sandpiper			10000s						X	X	X	X	X			-	-	JUN-OCT	-
	Yellow-billed loon								X	X	X	X	X	X			MAY-JUN	JUN-OCT	SEP-OCT	-
153	Surf scoter			HIGH					X	X	X	X	X				-	-	-	-
271	Common eider			UNKNOWN					X	X	X	X	X	X	X		APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			47					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			250					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			182					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pigeon guillemot			4					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Tufted puffin			20					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
272	Black-legged kittiwake			700					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Common eider			3					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Common murre			4260					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			50					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			35					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			48					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Thick-billed murre			40					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
273	Black-legged kittiwake			1200					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Common murre			5840					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			30					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			40					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			46					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Thick-billed murre			60					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Tufted puffin			3					X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
312	American peregrine falcon	S	C						X	X	X	X	X	X			-	APR-SEP	-	-

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
20	Pacific herring							X	X	X	X	X	X				MAY-JUN	MAY-JUL	MAY-JUL	JUN-JUL	APR-SEP
137	Pacific halibut									X	X	X	X				-	-	-	-	JUL-OCT
155	Pacific herring							X	X	X	X	X	X				MAY-JUN	MAY-JUL	MAY-JUL	JUN-JUL	APR-SEP
162	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	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
197	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	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

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	-	-	-	-	-
43	Red king crab			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	FEB-APR	JAN-DEC	FEB-JUN	JAN-DEC	JAN-DEC

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	-	-	MAR-MAY	MAR-JUN
15	Beluga whale									X	X	X	X	X			-	JUN-AUG	-	-
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		-	-	-	-
	Walrus			HIGH					X	X							-	-	-	-
89	Beluga whale			HIGH					X	X							-	-	-	-
155	Bearded seal			HIGH					X	X	X						-	-	-	-
	Ringed seal			HIGH	X	X	X	X	X	X				X	X	X	-	-	MAR-MAY	MAR-JUN
	Spotted seal			HIGH						X	X	X	X	X	X		-	-	-	-
	Walrus			HIGH					X	X				X	X		-	-	-	-

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NW ARCTIC, AK - ESIMAP 27 (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.