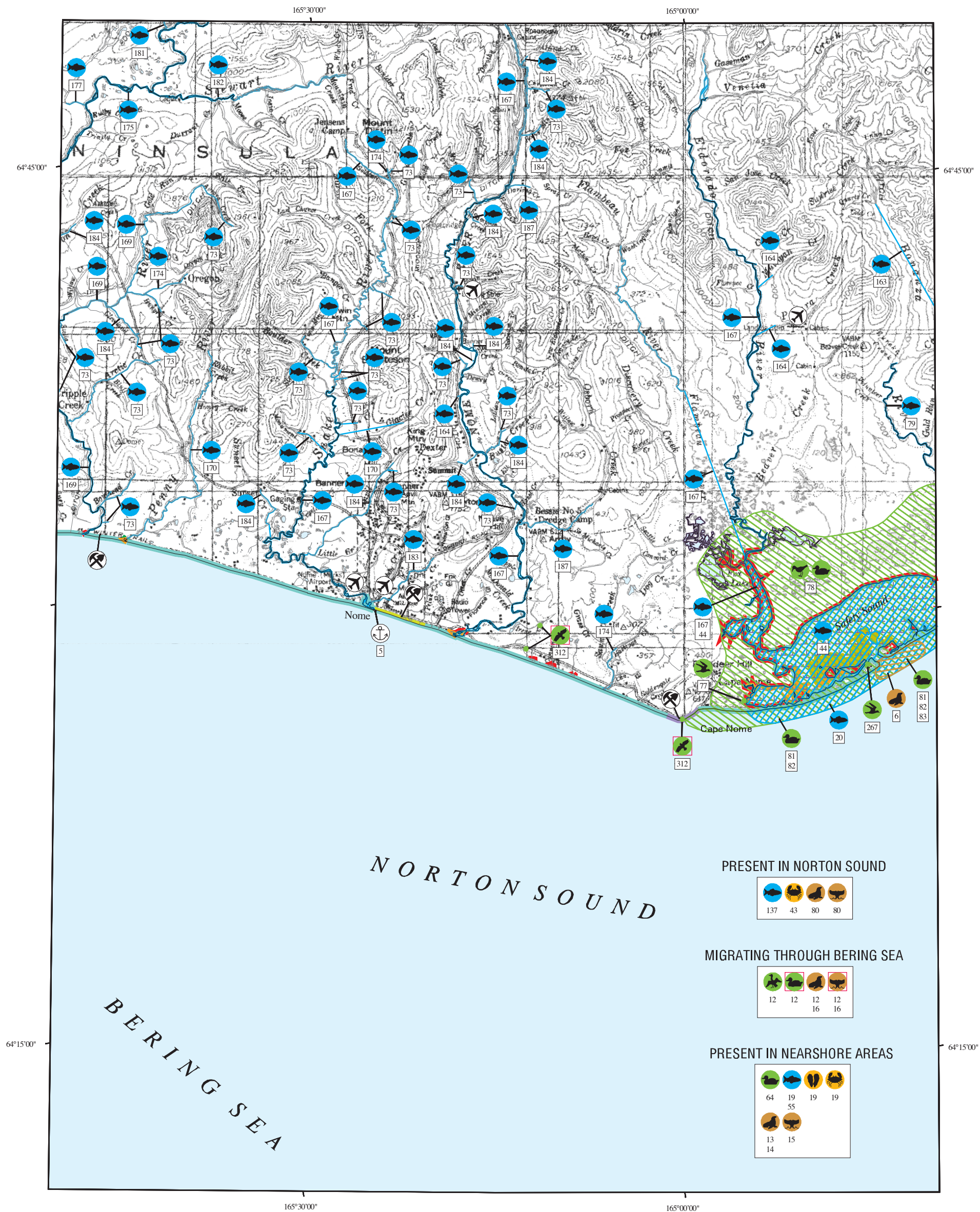
















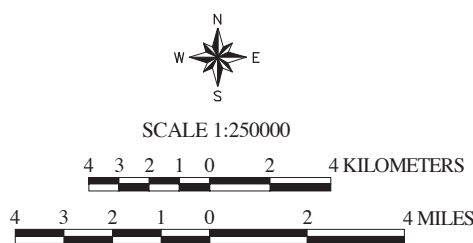


# ENVIRONMENTAL SENSITIVITY INDEX MAP



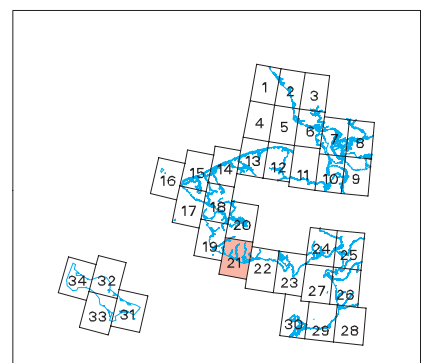
- SHORELINE HABITATS (ESD)

- |   |  |
|---|--|
|  | 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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## NW ARCTIC, AK - ESIMAP 21

**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	
12	Common eider			1000s			X	X	X	X	X	X	X				-	-	-	-
	King eider			1000s			X	X	X	X	X	X	X				-	-	-	-
	Long-tailed duck			1000s			X	X	X	X	X	X	X				-	-	-	-
	Red-throated loon			HIGH			X	X	X	X	X	X	X				-	-	-	-
	Spectacled eider	S/F	C/T	1000s			X	X	X	X	X	X	X				-	-	-	-
	Steller's eider	S/F	C/T	1000s			X	X	X	X	X	X	X				-	-	-	-
64	Canada goose			1000s							X	X					-	-	AUG-SEP	-
77	Aleutian tern						X	X	X	X	X	X					APR-MAY	JUN-JUL	AUG-OCT	-
	Arctic tern						X	X	X	X	X	X					APR-MAY	JUN-JUL	AUG-OCT	-
78	American wigeon			100s								X	X				-	-	AUG-SEP	-
	Brant								X	X	X						MAY-JUL	-	-	-
	Canada goose			1000s							X	X					-	-	AUG-SEP	-
	Common eider								X	X	X	X	X				MAY-JUN	JUN-JUL	JUL-SEP	-
	Dunlin			1000s					X	X	X						MAY-JUN	MAY-JUL	-	-
	Dunlin			10000s							X	X	X				-	-	JUL-SEP	-
	Greater scaup			10s						X	X	X	X				-	-	JUN-SEP	-
	Red-necked phalarope			1000s					X	X	X						MAY-JUN	MAY-JUL	-	-
	Red-necked phalarope			10000s						X	X	X					-	-	JUL-SEP	-
	Semipalmated sandpiper			1000s					X	X	X						MAY-JUN	MAY-JUL	-	-
	Semipalmated sandpiper			10000s						X	X	X					-	-	JUL-SEP	-
	Western sandpiper			1000s					X	X	X						MAY-JUN	MAY-JUL	-	-
	Western sandpiper			10000s							X	X	X				-	-	JUL-SEP	-
81	Common eider			HIGH									X	X			-	-	SEP-OCT	-
82	King eider			HIGH						X	X	X					-	-	-	-
83	Long-tailed duck			100s									X				-	-	-	-
267	Aleutian tern			UNKNOWN			X	X	X	X	X	X	X				APR-MAY	JUN-JUL	AUG-OCT	-
	Arctic tern			10			X	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
44	Rainbow smelt												X	X	X		-	-	-	-	SEP-NOV
	Saffron cod												X	X	X		-	-	-	-	SEP-NOV
55	Capelin									X	X	X					JUN-JUN	JUN-JUL	JUN-AUG	-	JUN-AUG
73	Dolly varden				X	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-DEC	DEC-JUN	JAN-DEC	JAN-DEC
79	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
137	Pacific halibut									X	X	X	X				-	-	-	-	JUL-OCT
163	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
	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
164	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
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
169	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

**HABITAT:**

[illegible]



NW ARCTIC, AK - ESIMAP 21 (cont.)

BIOLOGICAL RESOURCES: (cont.)

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
6	Spotted seal			HIGH						X	X	X	X	X	X		-	-	-	-
12	Bearded seal							X	X	X							-	-	-	-
	Bowhead whale	S/F	C/E		X	X	X					X	X	X			-	-	-	-
	Gray whale							X	X	X	X	X	X	X			-	-	-	-
	Walrus							X	X			X	X				-	-	-	-
13	Ringed seal				X	X	X	X	X				X	X	X		-	-	MAR-MAY	MAR-JUN
14	Spotted seal							X	X	X	X	X	X	X			-	-	-	-
15	Beluga whale							X	X	X	X	X	X	X			-	JUN-AUG	-	-
16	Beluga whale						X	X	X	X		X	X	X			-	-	-	-
	Ringed seal							X	X	X							-	-	-	-
80	Bearded seal				X	X	X	X	X						X	X	-	-	-	-
	Gray whale							X	X	X	X	X	X	X	X		-	-	-	-
	Spotted seal							X	X	X	X	X	X	X			-	-	-	-
	Walrus			HIGH			X	X									-	-	-	-

=====

HUMAN USE RESOURCES:

MARINA:

HUN#	Name	Owner	Contact	Phone
5	NOME PORT			

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.