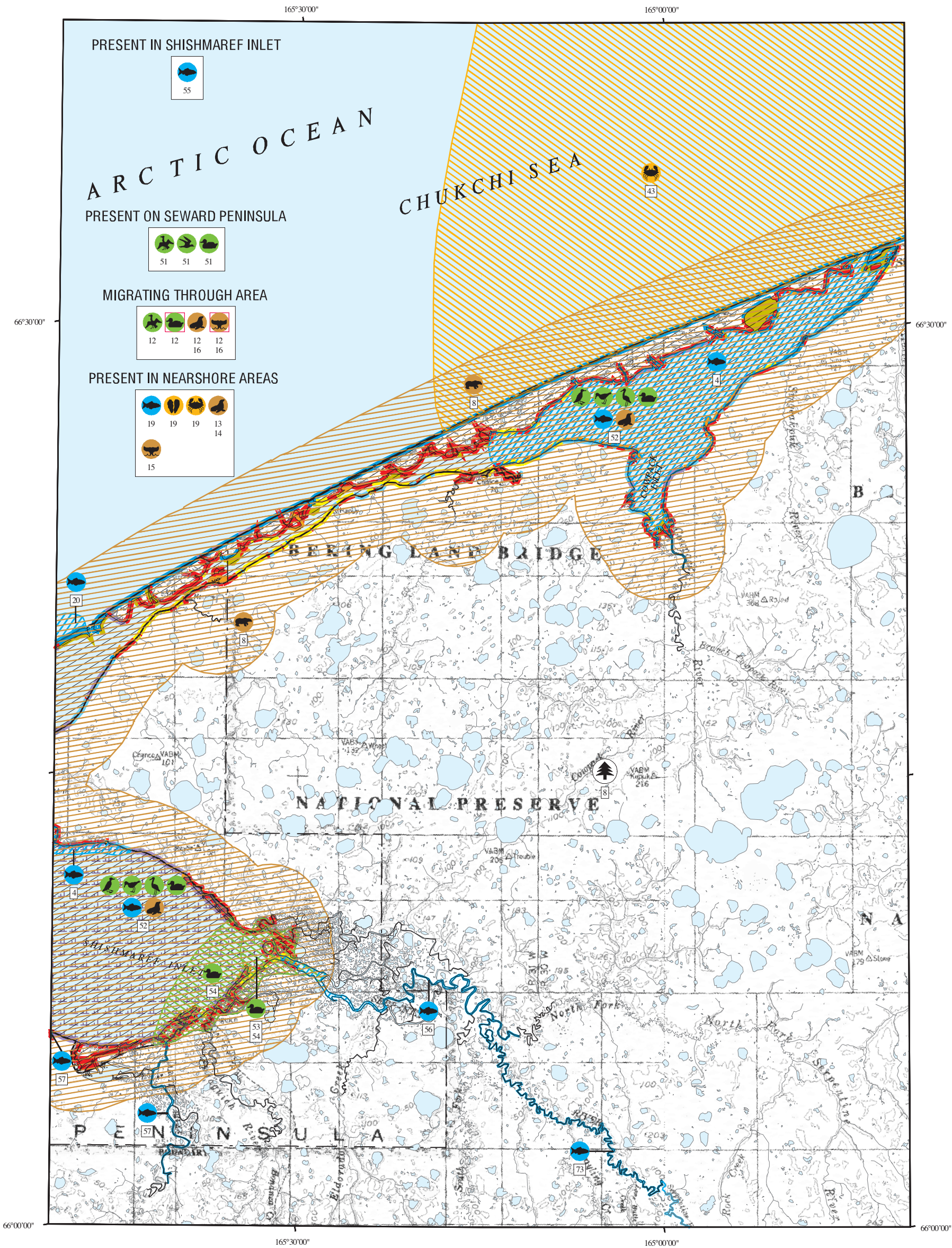
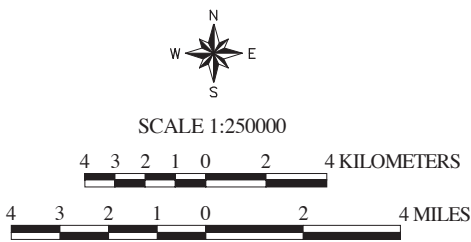


ENVIRONMENTAL SENSITIVITY INDEX MAP



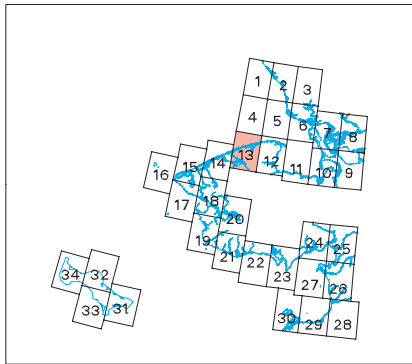
SHORELINE HABITATS (ESI)

- 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	
12	Common eider			1000s		X	X	X	X	X	X	X	X				-	-	-	-
	King eider			1000s		X	X	X	X	X	X	X	X				-	-	-	-
	Long-tailed duck			1000s		X	X	X	X	X	X	X	X				-	-	-	-
	Red-throated loon			HIGH		X	X	X	X	X	X	X	X				-	-	-	-
	Spectacled eider	S/F	C/T	1000s		X	X	X	X	X	X	X	X				-	-	-	-
	Steller's eider	S/F	C/T	1000s		X	X	X	X	X	X	X	X				-	-	-	-
51	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	-
	Emperor goose						X	X	X	X	X						MAY-MAY	MAY-SEP	AUG-SEP	-
	Green-winged teal						X	X	X	X	X						MAY-MAY	MAY-AUG	JUN-SEP	-
	Northern pintail			VERY HIGH			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	-
	Yellow-billed loon						X	X	X	X	X	X					MAY-JUN	JUN-OCT	SEP-OCT	-
52	American golden-plover			1000s			X	X	X								MAY-JUN	MAY-JUL	-	-
	American golden-plover			10000s						X	X	X					-	-	JUL-SEP	-
	Brant			15000							X	X					-	-	AUG-SEP	-
	Common eider			HIGH			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	-
	Long-billed dowitcher			1000s			X	X	X								MAY-JUN	MAY-JUL	-	-
	Long-billed dowitcher			10000s						X	X	X					-	-	JUL-SEP	-
	Pacific golden-plover			1000s			X	X	X								MAY-JUN	MAY-JUL	-	-
	Pacific golden-plover			10000s						X	X	X					-	-	JUL-SEP	-
	Pectoral sandpiper			1000s			X	X	X								MAY-JUN	MAY-JUL	-	-
	Pectoral sandpiper			10000s						X	X	X					-	-	JUL-SEP	-
	Pomarine jaeger			HIGH						X	X						-	-	-	-
	Sandhill crane			HIGH		X	X	X	X	X	X	X	X				APR-MAY	MAY-JUL	AUG-SEP	-
	Seabirds			HIGH		X	X	X	X	X	X	X	X				-	-	-	-
	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	-
53	Long-tailed duck			VERY HIGH						X	X						-	-	-	-
	Tundra swan			100s						X							-	-	-	-
54	Greater scaup			100s				X	X	X	X	X					MAY-JUN	MAY-SEP	JUN-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
4	Pacific herring								X	X	X	X	X				MAY-JUN	MAY-JUL	MAY-JUL	JUN-JUL	APR-SEP
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
52	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
56	Chum salmon (dog)				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
	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
57	Dolly varden				X	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-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
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

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	-	-	-	-	-
	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
8	Polar bear				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			-	-	-	-
15	Beluga whale								X	X	X	X	X				-	JUN-AUG	-	-
16	Beluga whale					X	X	X	X				X	X	X		-	-	-	-
	Ringed seal							X	X	X							-	-	-	-
52	Bearded seal			HIGH							X	X	X	X			-	-	-	-
	Spotted seal			HIGH							X	X	X	X			-	-	-	-

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NW ARCTIC, AK - ESIMAP 13 (cont.)

HUMAN USE RESOURCES:

NATIONAL PARK:

HUN#	Name	Owner	Contact	Phone
8	BERING LAND BRIDGE NATIONAL PRESERVE		NATIONAL PARK SERVICE	907/443-2522

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.