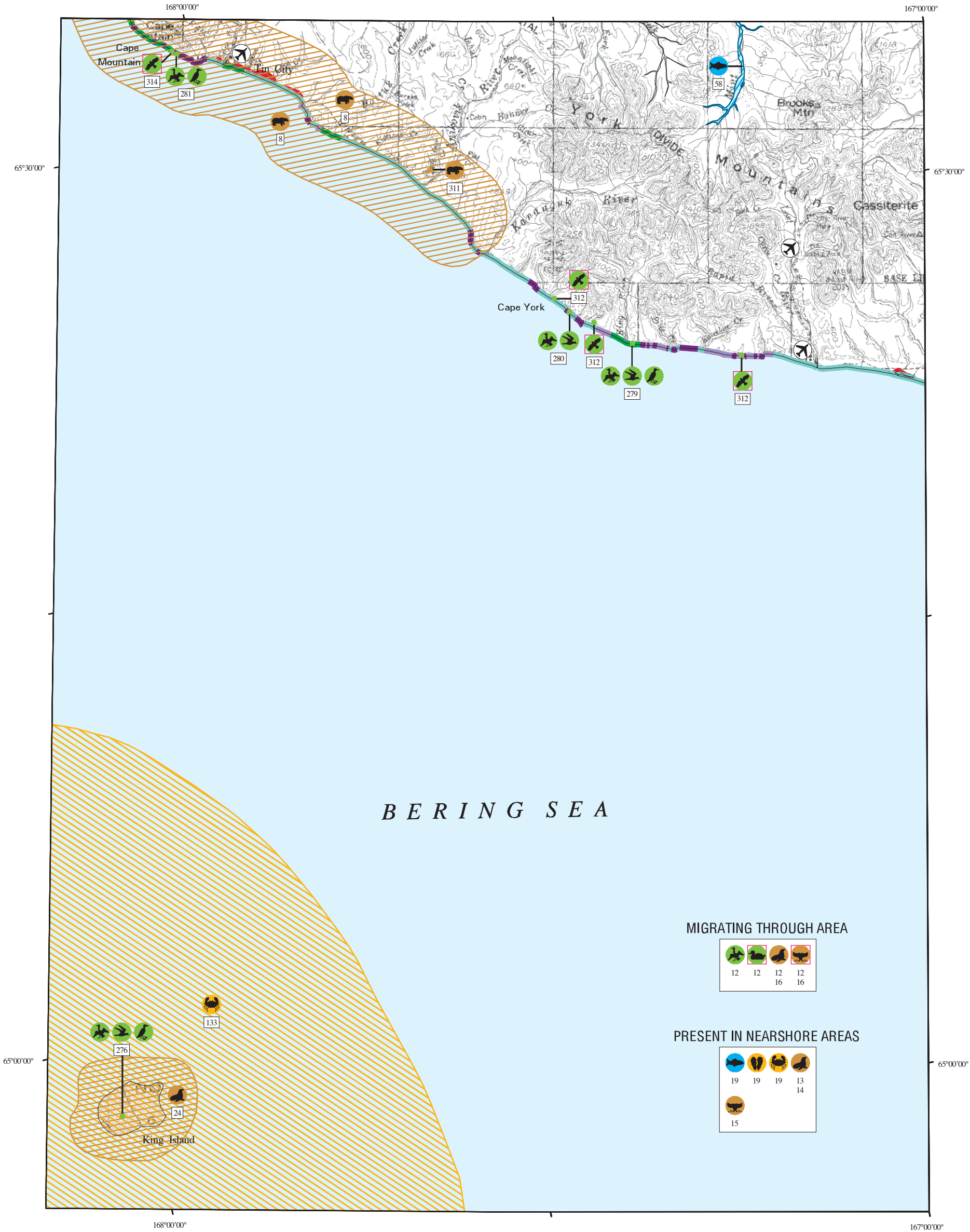


ENVIRONMENTAL SENSITIVITY INDEX MAP



MIGRATING THROUGH AREA

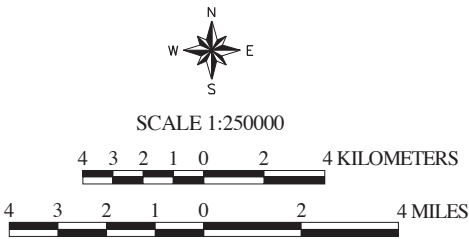


PRESENT IN NEARSHORE AREAS



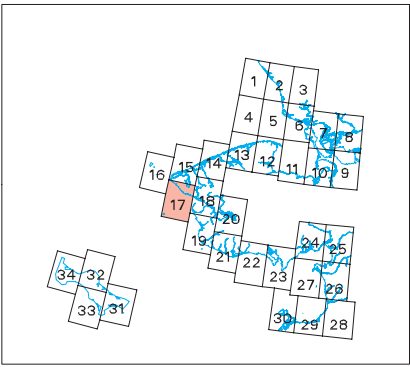
SHORELINE HABITATS (ESI)

- 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



Not For Navigation
Published: May 2002

Published at Seattle, Washington
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division



NW ARCTIC, AK - ESIMAP 17

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			-	-	-	-
276	Black-legged kittiwake			4000				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Common murre			45000				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Crested auklet			22000				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			90				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			4700				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Least auklet			80000				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Parakeet auklet			42000				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			120				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pigeon guillemot			700				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Thick-billed murre			45000				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Tufted puffin			2300				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
279	Cormorant			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
280	Cormorant			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Glaucous gull			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
281	Black-legged kittiwake			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Horned puffin			UNKNOWN				X	X	X	X	X	X	X			APR-MAY	JUN-JUL	AUG-OCT	-
	Pelagic cormorant			20				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	-	-
314	Arctic 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
58	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	-	-	-	-	-
	Softshell clam				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
133	Blue 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	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							-	-	-	-
24	Walrus							X	X			X	X				-	-	-	-
311	Polar bear				X	X	X	X	X				X	X	X		-	-	OCT-MAY	-

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.