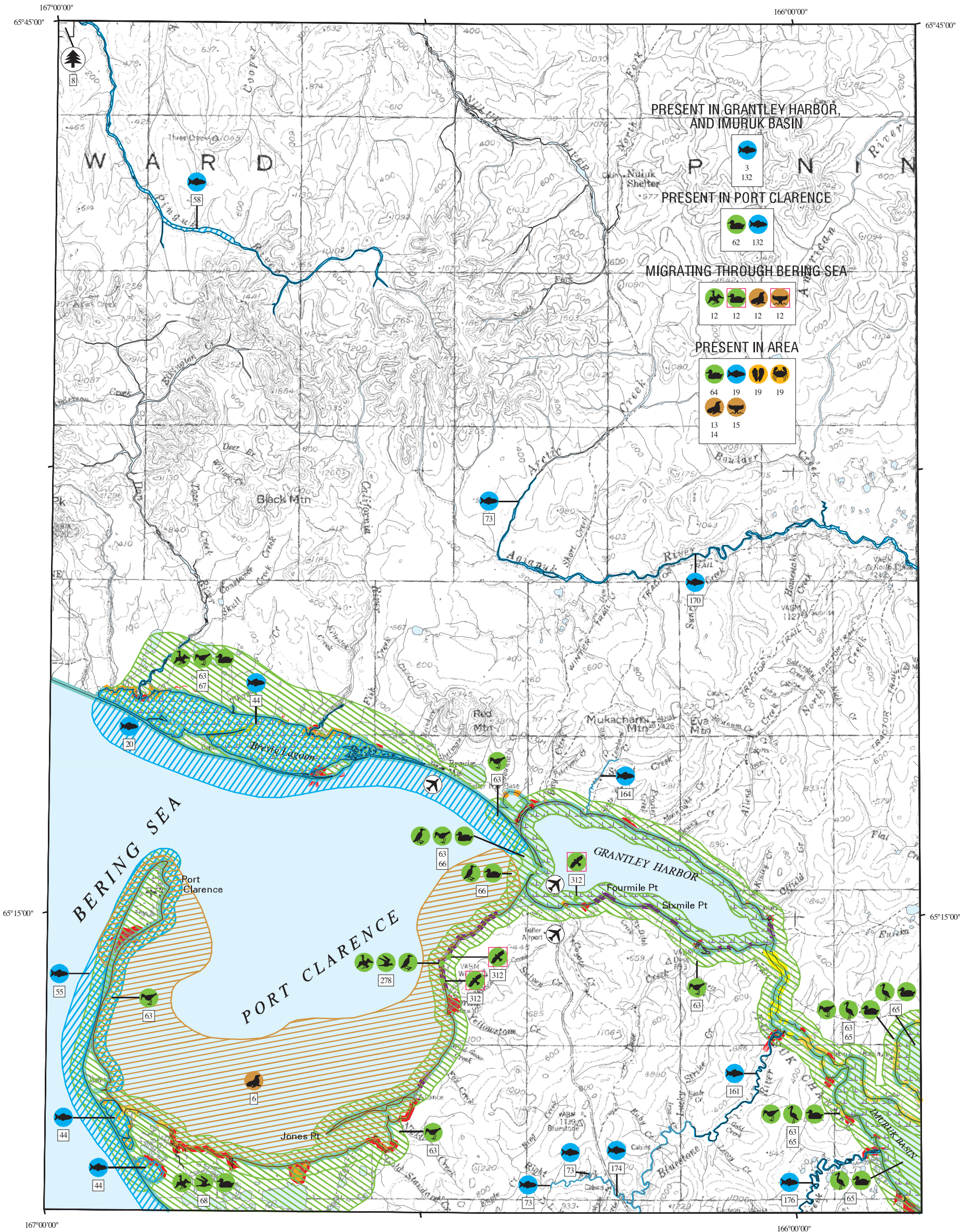
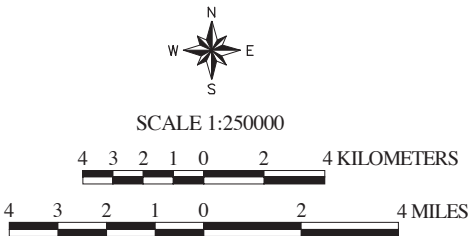


ENVIRONMENTAL SENSITIVITY INDEX MAP



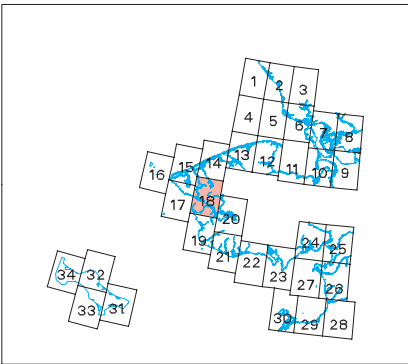
SHORELINE HABITATS (ESI)

- 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			-	-	-
62	Long-tailed duck			HIGH			X	X	X	X	X	X					APR-JUN	MAY-AUG	JUN-SEP
	Snow goose			HIGH			X	X									-	-	-
63	Dunlin			UNKNOWN				X	X	X							MAY-JUN	JUN-JUL	-
	Dunlin			1000s						X	X	X					-	-	JUL-SEP
	Long-billed dowitcher			UNKNOWN				X	X	X							MAY-JUN	JUN-JUL	-
	Long-billed dowitcher			1000s							X	X	X				-	-	JUL-SEP
	Red-necked phalarope			UNKNOWN				X	X	X							MAY-JUN	JUN-JUL	-
	Red-necked phalarope			1000s						X	X	X					-	-	JUL-SEP
	Semipalmated sandpiper			UNKNOWN				X	X	X							MAY-JUN	JUN-JUL	-
	Semipalmated sandpiper			1000s						X	X	X					-	-	JUL-SEP
	Western sandpiper			UNKNOWN				X	X	X							MAY-JUN	JUN-JUL	-
	Western sandpiper			1000s						X	X	X					-	-	JUL-SEP
64	Canada goose			1000s								X	X				-	-	AUG-SEP
65	American wigeon			1000s								X	X				-	-	AUG-SEP
	Sandhill crane			1000s			X	X	X	X	X	X	X				APR-MAY	MAY-JUL	AUG-SEP
66	Seabirds			VERY HIGH			X										-	-	-
	Waterfowl			VERY HIGH			X										-	-	-
67	Brant							X	X	X							MAY-JUL	-	-
	Greater scaup							X	X	X	X	X					MAY-JUN	MAY-SEP	JUN-SEP
	Long-tailed duck			HIGH			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
	Red-breasted merganser							X	X	X	X	X	X				MAY-JUN	JUN-OCT	JUL-SEP
	Red-throated loon							X	X	X	X	X					MAY-JUN	MAY-AUG	AUG-SEP
68	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
	Brant							X	X	X							MAY-JUL	-	-
	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
	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-SEP
	Red-throated loon							X	X	X	X	X					MAY-JUN	MAY-AUG	AUG-SEP
	Yellow-billed loon							X	X	X	X	X	X				MAY-JUN	JUN-OCT	SEP-OCT
278	Glaucous gull			UNKNOWN			X	X	X	X	X	X	X				APR-MAY	JUN-JUL	AUG-OCT
	Horned puffin			100			X	X	X	X	X	X	X				APR-MAY	JUN-JUL	AUG-OCT
	Pelagic cormorant			100			X	X	X	X	X	X	X				APR-MAY	JUN-JUL	AUG-OCT
	Pigeon guillemot			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	-

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
3	Pacific herring				X	X	X	X							X	X	-	-	-	NOV-APR	NOV-APR
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
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
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
132	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
161	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
	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
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
170	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
174	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
176	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC

HABITAT:

RAR#	Species	S/F	T/E	Conc.	J	F	M	A	M	J	J	A	S	O	N	D
9	Eelgrass				X	X	X	X	X	X	X	X	X	X	X	X

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	-	-	-	-	-

NW ARCTIC, AK - ESIMAP 18 (cont.)

BIOLOGICAL RESOURCES: (cont.)

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	X		-	-	MAR-MAY	MAR-JUN
14	Spotted seal						X	X	X	X	X	X					-	-	-	-
15	Beluga whale						X	X	X	X	X						-	JUN-AUG	-	-

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.