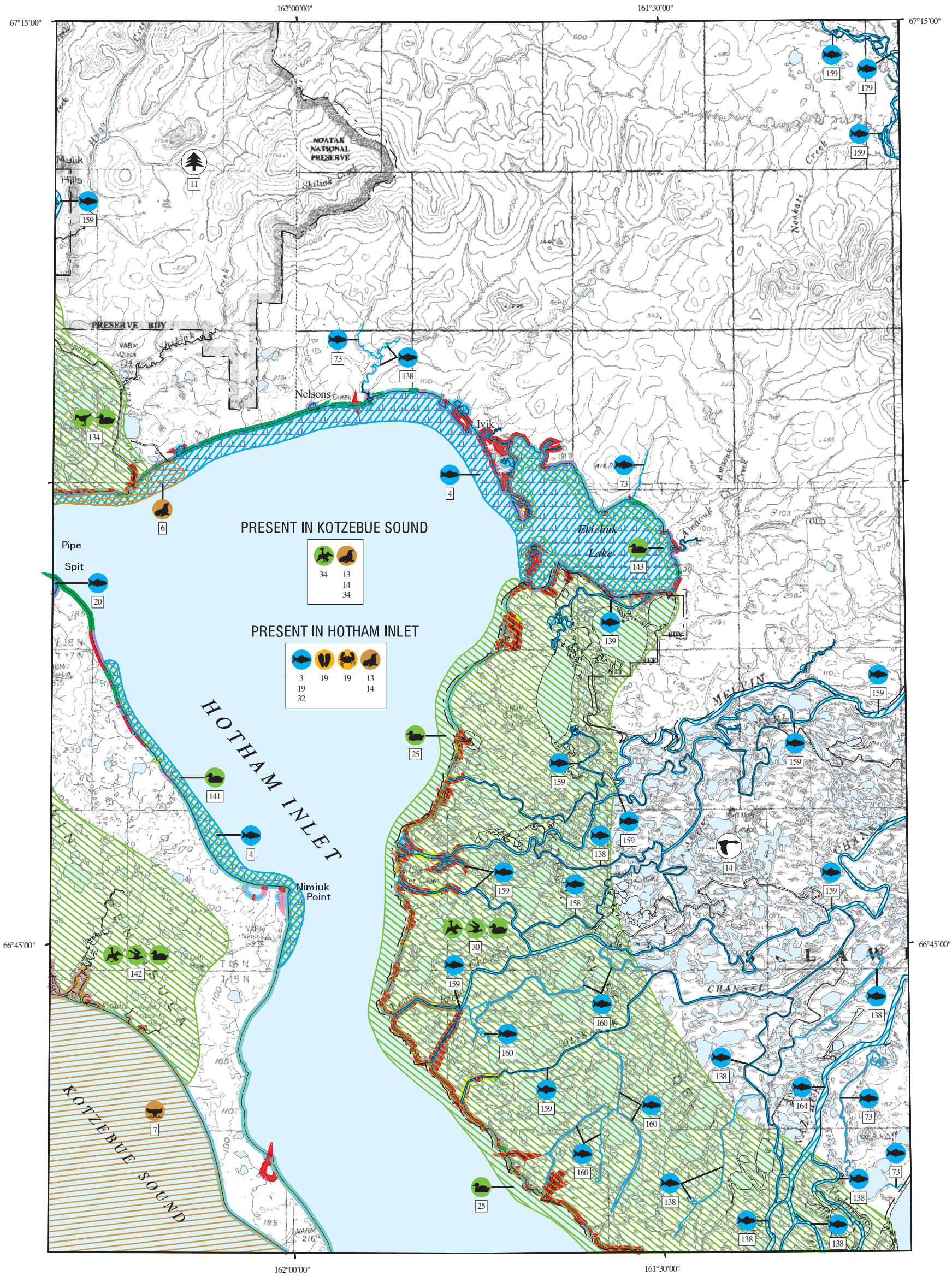
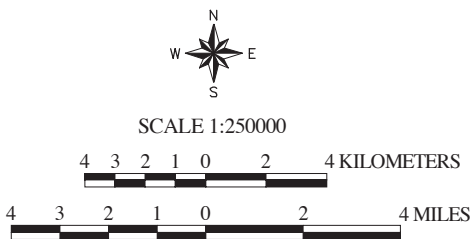


ENVIRONMENTAL SENSITIVITY INDEX MAP



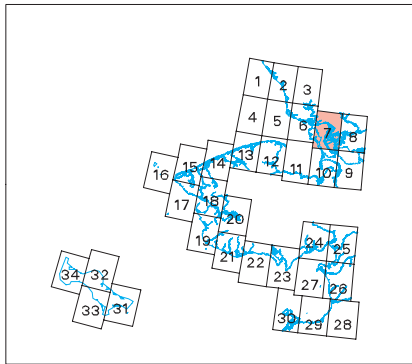
SHORELINE HABITATS (ESI)

- 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



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 7

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
25	Geese			HIGH						X	X	X	X	X			-	-	-
	Tundra swan			HIGH						X	X	X	X	X			-	-	-
30	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
	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-throated loon									X	X	X	X	X			MAY-JUN	MAY-AUG	AUG-SEP
34	Red-throated loon									X	X	X	X	X			-	-	-
134	Dabbling ducks			VERY HIGH						X	X	X	X				-	-	-
	Diving ducks			HIGH						X	X	X	X				-	-	-
	Dunlin			1000s					X	X	X						MAY-JUN	JUN-JUL	-
	Dunlin			10000s						X	X	X					-	-	JUL-SEP
	Geese			HIGH						X	X	X	X				-	-	-
	Long-billed dowitcher			1000s					X	X	X						MAY-JUN	JUN-JUL	-
	Long-billed dowitcher			10000s						X	X	X					-	-	JUL-SEP
	Semipalmated sandpiper			1000s					X	X	X						MAY-JUN	JUN-JUL	-
	Semipalmated sandpiper			10000s						X	X	X					-	-	JUL-SEP
	Tundra swan			VERY HIGH						X	X	X	X				-	-	-
	Western sandpiper			1000s					X	X	X						MAY-JUN	JUN-JUL	-
	Western sandpiper			10000s						X	X	X					-	-	JUL-SEP
141	Tundra swan			HIGH										X			-	-	-
142	Arctic tern									X	X	X	X				MAY-JUN	MAY-AUG	JUL-AUG
	Greater scaup									X	X	X	X	X			MAY-JUN	MAY-SEP	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-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
143	Dabbling ducks			VERY HIGH						X	X	X	X	X			-	-	-

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
4	Pacific herring							X	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					MAY-JUN	MAY-JUL	MAY-JUL	JUN-JUL	APR-SEP
32	Burbot									X	X	X	X	X			-	-	-	-	JUN-OCT
	Northern pike									X	X	X	X	X			-	-	-	-	JUN-OCT
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	NOV-APR
	Whitefish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	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
138	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
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-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
139	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
	Northern pike									X	X	X	X	X			-	-	-	-	JUN-OCT
	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
158	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
	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
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-DEC	DEC-JUN	JAN-DEC	JAN-DEC
159	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
	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
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-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
160	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
	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
	Sheefish				X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-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
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
179	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

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 7 (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		-	-	-	-
7	Beluga whale			HIGH						X	X	X					-	JUN-AUG	-	-
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		-	-	-	-
34	Bearded seal				X	X	X	X	X	X	X			X	X	X	-	-	-	-
	Walrus									X	X	X					-	-	-	-

HUMAN USE RESOURCES:

NATIONAL PARK:

HUN#	Name	Owner	Contact	Phone
11	NOATAK NATIONAL PRESERVE		NATIONAL PARK SERVICE	907/442-3890

WILDLIFE REFUGE:

HUN#	Name	Owner	Contact	Phone
14	SELAWIK NATIONAL WILDLIFE REFUGE		US FISH & WILDLIFE SERVICE	907/442-3799

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.