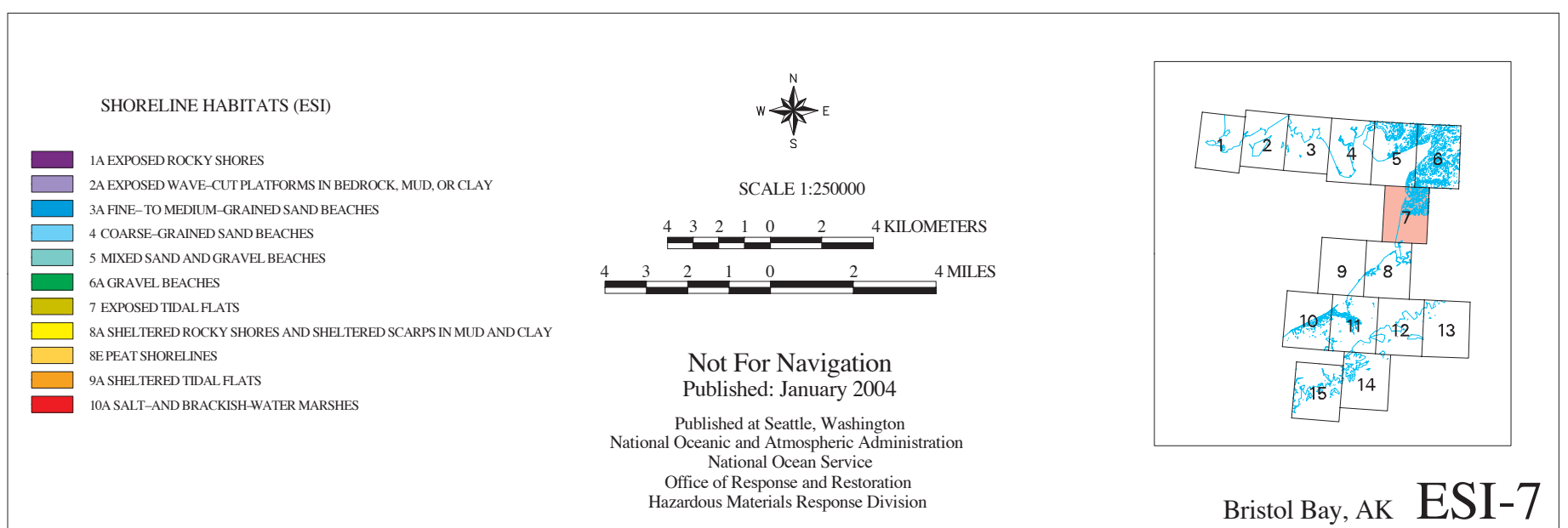
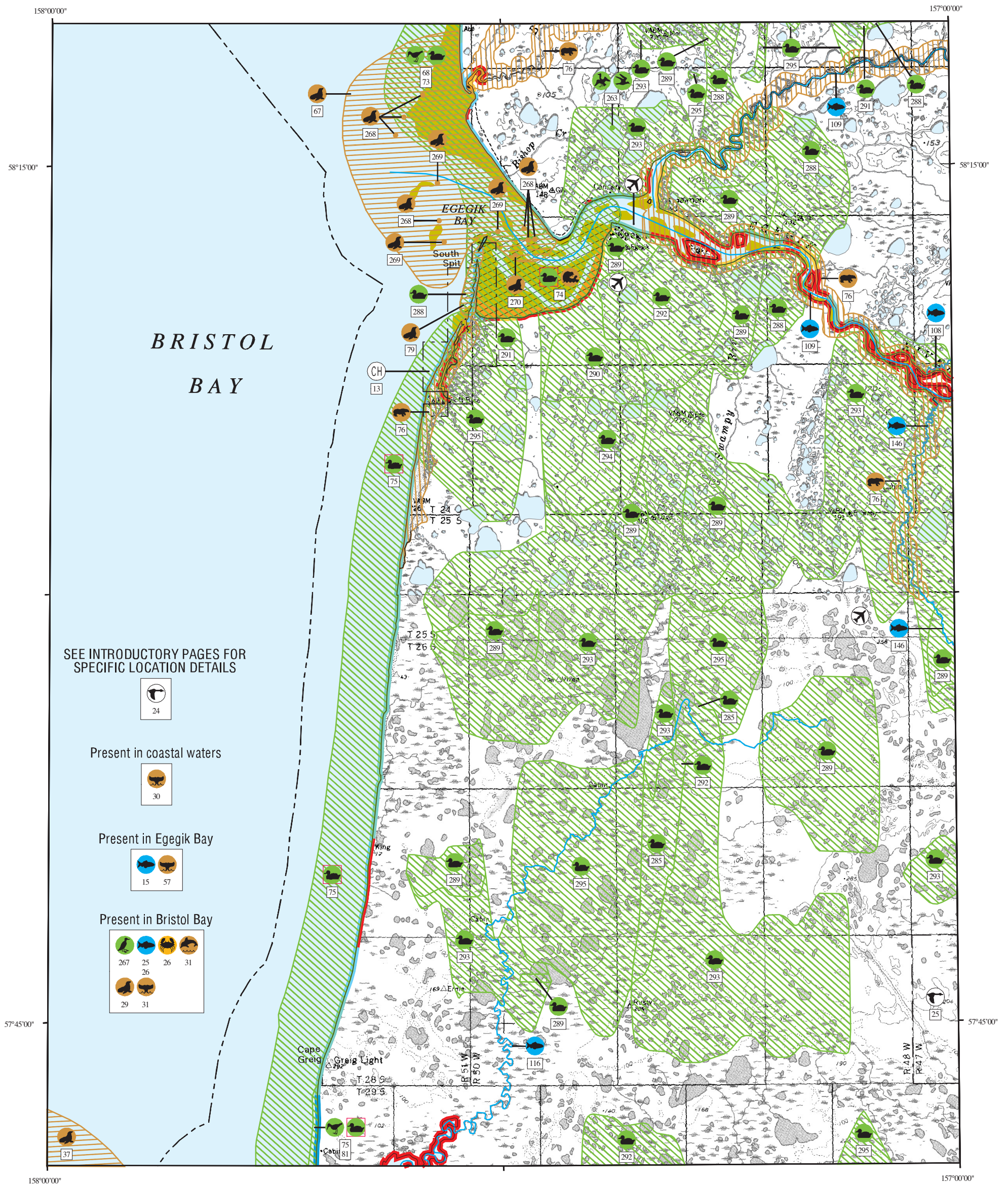


ENVIRONMENTAL SENSITIVITY INDEX MAP



Bristol Bay: ESIMAP 7

BIOLOGICAL RESOURCES:

BIRD:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating		Molting	
68	Bar-tailed godwit			10,000S						X	X	X	X	X	X		MAY-JUL	MAY-OCT		-	
	Dunlin			10,000S						X	X	X	X	X	X		MAY-JUL	MAY-OCT		-	
	Greater yellowlegs									X	X	X	X	X			-	JUN-OCT		-	
	Long-billed dowitcher									X	X	X	X	X			-	JUN-OCT		-	
	Rock sandpiper									X	X	X					MAY-JUL	MAY-JUL		-	
	Western sandpiper									X	X	X	X	X	X		-	MAY-OCT		-	
73	Black scoter			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Emperor goose			100S								X	X	X			-	AUG-OCT		-	
	Northern pintail			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Scaup			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	White-winged scoter			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
74	Black scoter			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Canada goose			100S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Emperor goose			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	King eider			1,000S				X	X	X	X	X	X	X			-	APR-MAY	AUG-OCT	-	
	Long-tailed duck			100S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Northern pintail			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Scaup			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Steller's eider	C	T	1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	White-winged scoter			100S								X	X	X			-	AUG-OCT		-	
75	Black scoter			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Canada goose			100S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Emperor goose			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	King eider			100S								X	X	X			-	-		-	
	Long-tailed duck			1,000S				X	X								-	APR-MAY		-	
	Northern pintail			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	Scaup			100S				X	X								-	APR-MAY		-	
	Steller's eider	C	T	100S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
	White-winged scoter			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
81	Bar-tailed godwit			10S				X	X	X	X	X	X	X			-	APR-OCT		-	
	Dunlin			1,000S						X	X	X	X	X			MAY-JUL	MAY-OCT		-	
	Greater yellowlegs			100S						X	X	X	X	X			-	JUN-OCT		-	
	Marbled godwit			100S				X	X	X	X	X	X	X			MAY-JUL	APR-OCT		-	
	Pectoral sandpiper									X	X	X	X	X			-	JUN-OCT		-	
	Sharp-tailed sandpiper									X	X	X	X	X			-	JUN-OCT		-	
	Short-billed dowitcher									X	X	X	X	X			-	JUN-OCT		-	
	Western sandpiper									X	X	X					-	MAY-JUL		-	
263	Double-crested cormorant			50				X	X	X	X	X	X	X			JUN-JUL	APR-MAY	AUG-OCT	-	
	Glaucous-winged gull			UNKNOWN				X	X	X	X	X	X	X			JUN-JUL	APR-MAY	AUG-OCT	-	
267	Kittlitz's murrelet				X	X	X	X	X			X	X	X	X		-	-		-	
285	Black scoter			3-7 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Tundra swan			1-1.5 BIRDS/SQ.KM				X	X	X	X	X					MAY-JUN	MAY-MAY	JUL-SEP	-	
288	Scaup			3-8 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
289	Black scoter			3-7 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Scaup			3-8 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
290	Black scoter			3-7 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Long-tailed duck			1-1.5 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Scaup			3-8 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
291	Scaup			3-8 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Tundra swan			1-1.5 BIRDS/SQ.KM				X	X	X	X	X					MAY-JUN	MAY-MAY	JUL-SEP	-	
292	Black scoter			3-7 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Scaup			3-8 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Tundra swan			1-1.5 BIRDS/SQ.KM				X	X	X	X	X					MAY-JUN	MAY-MAY	JUL-SEP	-	
293	Black scoter			3-7 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
294	Black scoter			3-7 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
	Long-tailed duck			1-1.5 BIRDS/SQ.KM				X	X	X	X	X	X				JUN-JUL	MAY-MAY	AUG-OCT	-	
295	Tundra swan			1-1.5 BIRDS/SQ.KM				X	X	X	X	X					MAY-JUN	MAY-MAY	JUL-SEP	-	
FISH:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
15	Rainbow smelt			HIGH					X	X							-	-	-	APR-MAY	-
25	Chinook salmon								X	X	X	X					-	-	-	MAY-JUN	MAY-AUG
	Chum salmon (dog)								X	X	X	X					-	-	-	MAY-JUN	JUN-AUG
	Coho salmon (silver)								X	X	X	X	X	X			-	-	-	MAY-JUN	JUL-OCT
	Dolly varden								X	X	X	X	X				-	-	-	MAY-JUN	MAY-SEP
	Pink salmon (humpy)								X	X	X						-	-	-	MAY-JUN	JUN-JUL
	Sockeye salmon (red)			HIGH					X	X	X	X					-	-	-	MAY-JUN	MAY-AUG
26	Alaska plaice				X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	MAY-JUN	MAY-JUN	JAN-DEC	JAN-DEC
	Pacific cod				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	JAN-DEC	JAN-DEC
	Pacific halibut									X	X	X	X				-	-	-	-	JUL-OCT
	Rainbow smelt				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Rock sole				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAR	-	-	JAN-DEC	DEC-SEP
	Sculpin				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Starry flounder				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Walleye pollock				X	X	X	X	X	X	X	X	X	X	X	X	FEB-MAY	-	-	JAN-DEC	JAN-DEC
	Yellowfin sole				X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	JUN-AUG	JUN-NOV	JAN-DEC	MAY-AUG
108	Chinook salmon				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	SEP-MAR	MAR-MAY	JAN-DEC	MAY-SEP
	Chum salmon (dog)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	AUG-MAR	MAR-MAY	JAN-DEC	JUN-SEP
	Coho salmon (silver)				X	X	X	X	X	X	X	X	X	X	X	X	SEP-NOV	OCT-MAR	MAR-MAY	JAN-DEC	JUL-NOV
	Dolly varden				X	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-DEC	DEC-JUN	JAN-DEC	JAN-DEC
	Sockeye salmon (red)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	SEP-MAR	MAR-MAY	JAN-DEC	JUN-SEP
109	Chinook salmon				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	SEP-MAR	MAR-MAY	JAN-DEC	MAY-SEP
	Chum salmon (dog)				X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	AUG-MAR	MAR-MAY	JAN-DEC	JUN-SEP
	Coho salmon (silver)				X	X	X	X	X	X	X	X	X	X	X	X	SEP-NOV	OCT-MAR	MAR-MAY	JAN-DEC	JUL-NOV
	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	AUG-SEP	SEP-MAR	MAR-MAY	MAY-JUN	JUN-SEP
	Sockeye salmon (red)																				

INVERTEBRATE:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
26	Red king crab				X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Tanner crab				X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUN	-	-	JAN-DEC	JAN-DEC

MARINE MAMMAL:																				
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Molting	Pupping
29	Bearded seal				X	X	X	X								X	-	-	-	MAR-APR

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.

Bristol Bay: ESIMAP 7 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL:																				
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Molting	Pupping
30	Gray whale							X	X	X							-	-	-	-
31	Harbor porpoise									X	X	X					-	-	-	-
	Killer whale						X	X	X	X	X	X	X	X			-	SEP-OCT	-	-
	Minke whale									X	X	X					-	-	-	-
37	Walrus			HIGH					X	X	X	X	X				-	-	-	-
57	Beluga whale			1,000S				X	X	X	X	X	X				-	JUN-AUG	-	-
67	Seals			HIGH			X	X	X	X	X	X	X	X			-	-	-	MAY-JUL
74	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC
79	Walrus								X	X	X	X	X	X			-	-	-	-
268	Seals			100S			X	X	X	X	X	X	X	X			-	-	-	MAY-JUL
269	Seals			<10			X	X	X	X	X	X	X	X			-	-	-	MAY-JUL
270	Seals			10S			X	X	X	X	X	X	X	X			-	-	-	MAY-JUL
TERRESTRIAL MAMMAL:																				
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D				
76	Brown bear			HIGH				X	X	X										

HUMAN USE RESOURCES:

CRITICAL HABITAT:

HUN#	Name	Owner	Contact	Phone
13	EGEGIK CRITICAL HABITAT AREA	ALASKA DEPT. OF FISH & GAME		

WILDLIFE REFUGE:

HUN#	Name	Owner	Contact	Phone
24	ALASKA MARITIME NWR	US FISH & WILDLIFE SERVICE	REFUGE MANAGER	907/246-3339
25	ALASKA PENINSULA NWR	US FISH & WILDLIFE SERVICE	REFUGE MANAGER	907/246-3339

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.