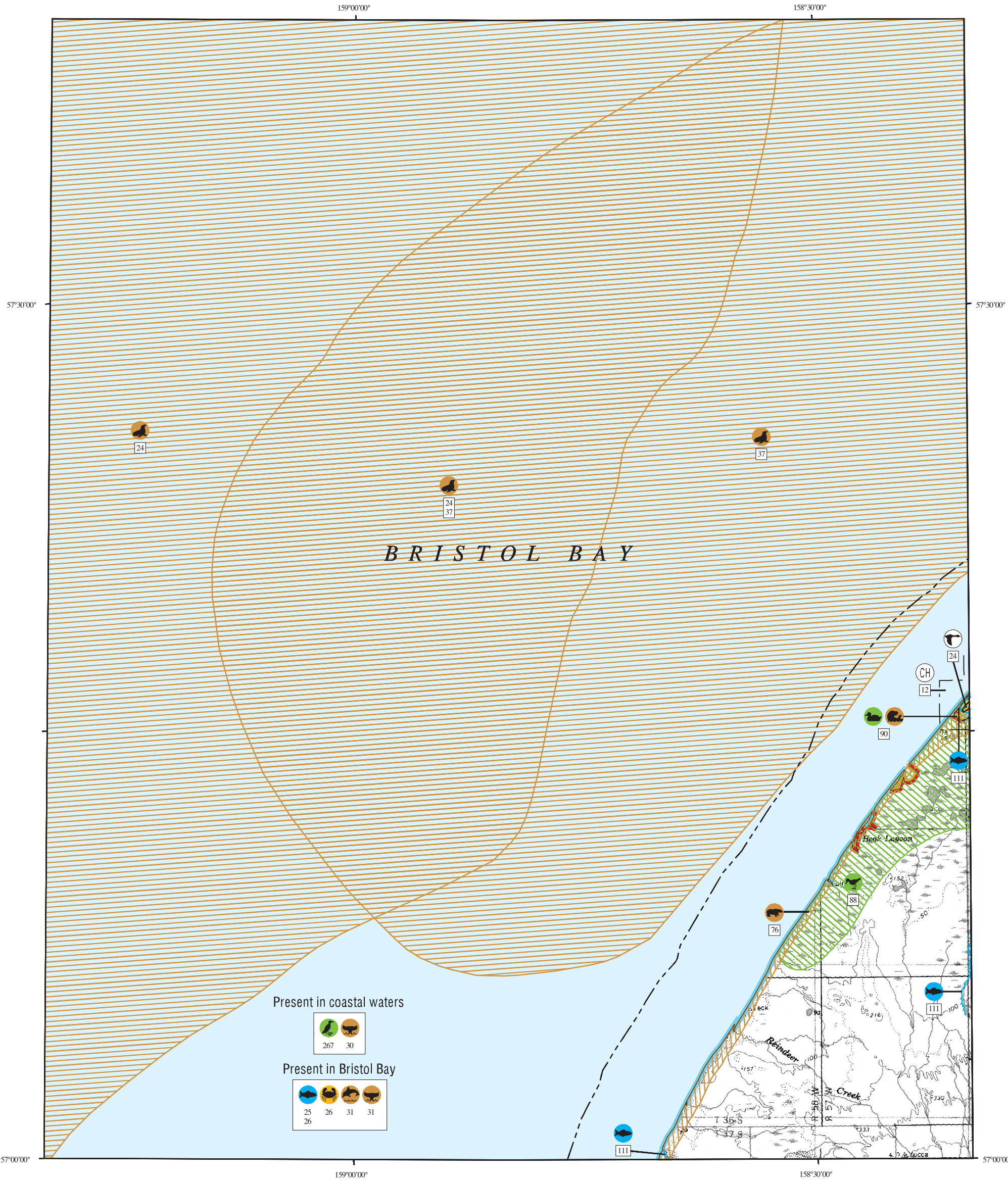


ENVIRONMENTAL SENSITIVITY INDEX MAP

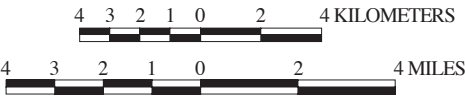


SHORELINE HABITATS (ESI)

- 1A EXPOSED ROCKY SHORES
- 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK, MUD, OR CLAY
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 4 COARSE-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES AND SHELTERED SCARPS IN MUD AND CLAY
- 8E PEAT SHORELINES
- 9A SHELTERED TIDAL FLATS
- 10A SALT-AND BRACKISH-WATER MARSHES

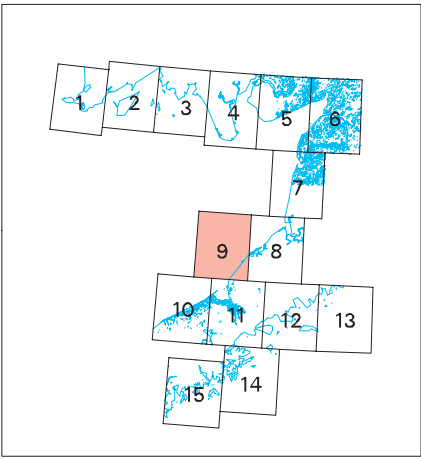


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Office of Response and Restoration
Hazardous Materials Response Division



Bristol Bay, AK **ESI-9**

Bristol Bay: ESIMAP 9

BIOLOGICAL RESOURCES:

BIRD:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting		
88	Bar-tailed godwit			1,000S				X	X	X	X	X	X	X			MAY-JUL	APR-OCT	-		
	Dunlin			10,000S				X	X	X	X	X	X	X			MAY-JUL	APR-OCT	-		
	Greater yellowlegs			100S						X	X	X	X	X			-	JUN-OCT	-		
	Long-billed dowitcher									X	X	X	X	X			-	JUN-OCT	-		
	Marbled godwit			100S				X	X	X	X	X	X	X			-	APR-OCT	-		
	Pacific golden-plover									X	X	X	X	X			-	MAY-OCT	-		
	Pectoral sandpiper			100S						X	X	X	X	X			-	JUN-OCT	-		
	Rock sandpiper			1,000S				X	X	X	X	X	X	X			-	APR-OCT	-		
	Sharp-tailed sandpiper			1,000S						X	X	X	X	X			-	JUN-OCT	-		
	Short-billed dowitcher			100S				X	X	X							-	APR-JUN	-		
	Western sandpiper			100S				X	X	X	X	X	X	X			-	APR-OCT	-		
90	Canada goose			100S								X	X	X			-	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	-	
	Northern pintail			1,000S				X	X			X	X	X			-	APR-MAY	AUG-OCT	-	
267	Kittlitz's murrelet							X	X	X	X			X	X	X	-	-	-		
FISH:																					
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
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			-	-	-	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
111	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
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	
24	Walrus			HIGH	X	X	X									X	DEC-MAR	-	-	-	
30	Gray whale							X	X	X							-	-	-	-	
31	Harbor porpoise									X	X	X					-	-	-	-	
	Killer whale							X	X	X	X	X	X	X			-	SEP-OCT	-	-	
	Minke whale									X	X	X					-	-	-	-	
37	Walrus			HIGH						X	X	X	X				-	-	-	-	
90	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	
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
12	CINDER RIVER CRITICAL HABITAT AREA	ALASKA DEPT. OF FISH & GAME	MARK FINK	907/267-2342

WILDLIFE REFUGE:

HUN#	Name	Owner	Contact	Phone
24	ALASKA MARITIME 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.