ENVIRONMENTAL SENSITIVITY INDEX MAP

147°22'30" 147°00'00" 61°00'00" 60°45'00"

LONG BAY
COLUMBIA BAY
HEATHER BAY
Granite Cove
Useless Cove
Eicheltens Bay
Bunsen Cove
Campbell Bay
Chamberlain Bay
Eagle Bay
Crevasses
Columbia Glacier
Round Mtn
LACIER ISLAND
PRINCE WILLIAM SOUND

PRESENT ALONG SHORELINE

594

PRESENT THROUGHOUT PRINCE WILLIAM SOUND

625 539

PRESENT THROUGHOUT AREA

627

SHORELINE HABITATS

- 1A EXPOSED ROCKY SHORES
- 2A EXPOSED WAVE–CUT PLATFORMS IN BEDROCK
- 3A FINE– TO MEDIUM–GRAINED SAND BEACHES
- 4 COARSE–GRAINED SAND BEACHES (NOT PRESENT)
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES
- 8D SHELTERED ROCKY RUBBLE SLOPES
- 9A SHELTERED TIDAL FLATS
- 10A SALT– AND BRACKISH–WATER MARSHES

N W E S

SCALE 1:100000

1 KILOMETER
1 MILE

Not For Navigation
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Hazardous Materials Response Division

SEWARD (D-1), AK (1988)
ANCHORAGE (A-1), AK (1960)

PWS-10

Prince William Sound - ESIMAP 10

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
164	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
166	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			HIGH				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Scoters			HIGH		X	X	X							X	X	-	-	-	-
167	Goldeneye			MED		X	X	X							X	X	-	-	-	-
168	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
169	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Gulls			MED				X	X	X	X	X	X				-	-	-	-
170	Goldeneye			MED		X	X	X							X	X	-	-	-	-
	Mew gull			LOW				X	X	X	X	X	X				-	-	-	-
171	Black (common) scoter			LOW				X	X	X	X	X	X				-	-	-	-
	Common merganser			LOW				X	X	X	X	X	X				-	-	-	-
172	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			MED				X	X	X	X	X	X				-	-	-	-
173	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
174	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			LOW				X	X	X	X	X	X				-	-	-	-
175	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Northern fulmar			MED				X	X	X	X	X	X				-	-	-	-
176	Goldeneye			LOW		X	X	X							X	X	-	-	-	-
177	Bald eagle			HIGH		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Scoters			LOW		X	X	X							X	X	-	-	-	-
178	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Mergansers			LOW		X	X	X							X	X	-	-	-	-
	Murrelets			LOW				X	X	X	X	X	X				-	-	-	-
	Scoters			MED		X	X	X							X	X	-	-	-	-
179	Mew gull			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			LOW				X	X	X	X	X	X				-	-	-	-
	Scoters			MED		X	X	X							X	X	-	-	-	-
180	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			HIGH				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Scaup			MED		X	X	X							X	X	-	-	-	-
	Scoters			LOW		X	X	X							X	X	-	-	-	-
181	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
328	Horned puffin			10					X	X	X	X					JUN-SEP	-	-	-
	Tufted puffin			UNKNOWN					X	X	X	X					JUN-SEP	-	-	-
349	Horned puffin			8					X	X	X	X					JUN-SEP	-	-	-
	Pigeon guillemot			UNKNOWN					X	X	X	X					JUN-SEP	-	-	-
365	Pigeon guillemot			8					X	X	X	X					JUN-SEP	-	-	-
372	Pigeon guillemot			7					X	X	X	X					JUN-SEP	-	-	-
547	Waterfowl					X	X	X	X							X	-	-	-	-
552	Waterfowl					X	X	X	X	X	X	X				X	-	-	-	-
555	Shorebirds						X	X	X								-	-	-	-
	Waterfowl						X	X	X								-	-	-	-
594	Bald eagle			1 NEST		X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-MAY	MAY-JUN	AUG-AUG
713	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH		X	X	X							X	X	-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Mew gull			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Oldsquaw			HIGH		X	X	X							X	X	-	-	-	-
	Pelagic cormorant			LOW				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			LOW				X	X	X	X	X	X				-	-	-	-
	Red-breasted merganser			LOW		X	X	X							X	X	-	-	-	-
	Scoters			HIGH		X	X	X							X	X	-	-	-	-
	Surf scoter			MED		X	X	X							X	X	-	-	-	-
	White-winged scoter			HIGH		X	X	X							X	X	-	-	-	-
714	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH		X	X	X							X	X	-	-	-	-
	Harlequin duck			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Oldsquaw			LOW		X	X	X							X	X	-	-	-	-
	Red-breasted merganser			LOW		X	X	X							X	X	-	-	-	-
	White-winged scoter			HIGH		X	X	X							X	X	-	-	-	-
791	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Barrow's goldeneye			MED				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Common merganser			MED				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			HIGH				X	X	X	X	X	X				-	-	-	-
	Mew gull			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Scaup			HIGH		X	X	X							X	X	-	-	-	-
	Surf scoter			MED		X	X	X							X	X	-	-	-	-
	White-winged scoter			HIGH		X	X	X							X	X	-	-	-	-
792	Bald eagle			MED				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			LOW				X	X	X	X	X	X				-	-	-	-
793	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Common merganser			MED				X	X	X	X	X	X				-	-	-	-
	Diving ducks			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Mallard			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Mew gull			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Scoters			LOW				X	X	X	X	X	X				-	-	-	-
	Surf scoter			HIGH				X	X	X	X	X	X				-	-	-	-

Prince William Sound - ESIMAP 10 cont.

BIOLOGICAL RESOURCES: cont.

BIRD: cont.

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
794	American wigeon			MED				X	X	X	X	X	X				-	-	-	-
	Arctic tern			HIGH				X	X	X	X	X	X				-	-	-	-
	Black oystercatcher			HIGH				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Common goldeneye			LOW				X	X	X	X	X	X				-	-	-	-
	Dabbling ducks			LOW				X	X	X	X	X	X				-	-	-	-
	Diving ducks			LOW				X	X	X	X	X	X				-	-	-	-
	Gadwall			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			MED				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH				X	X	X	X	X	X				-	-	-	-
	Green-winged teal			HIGH				X	X	X	X	X	X				-	-	-	-
	Gulls			MED				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			HIGH				X	X	X	X	X	X				-	-	-	-
	Loons			MED				X	X	X	X	X	X				-	-	-	-
	Mallard			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Mergansers			MED				X	X	X	X	X	X				-	-	-	-
	Mew gull			HIGH				X	X	X	X	X	X				-	-	-	-
	Murrelets			HIGH				X	X	X	X	X	X				-	-	-	-
	Northern pintail			MED				X	X	X	X	X	X				-	-	-	-
	Oldsquaw			MED				X	X	X	X	X	X				-	-	-	-
	Pacific loon			MED				X	X	X	X	X	X				-	-	-	-
	Red-throated loon			HIGH				X	X	X	X	X	X				-	-	-	-
	Sandpipers			LOW				X	X	X	X	X	X				-	-	-	-
	Shorebirds			LOW				X	X	X	X	X	X				-	-	-	-
	Surf scoter			MED				X	X	X	X	X	X				-	-	-	-
795	Arctic tern			LOW				X	X	X	X	X	X				-	-	-	-
	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black (common) scoter			LOW				X	X	X	X	X	X				-	-	-	-
	Black oystercatcher			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Canada goose			HIGH				X	X	X	X	X	X				-	-	-	-
	Common goldeneye			LOW				X	X	X	X	X	X				-	-	-	-
	Common merganser			MED				X	X	X	X	X	X				-	-	-	-
	Diving ducks			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			MED				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH				X	X	X	X	X	X				-	-	-	-
	Greater scaup			HIGH				X	X	X	X	X	X				-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Mallard			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Mergansers			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			HIGH				X	X	X	X	X	X				-	-	-	-
	Murrelets			LOW				X	X	X	X	X	X				-	-	-	-
	Scoters			HIGH				X	X	X	X	X	X				-	-	-	-
	Surf scoter			HIGH				X	X	X	X	X	X				-	-	-	-
	White-winged scoter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
869	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Fork-tailed storm-petrel			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			LOW				X	X	X	X	X	X				-	-	-	-
876	Fork-tailed storm-petrel			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			LOW				X	X	X	X	X	X				-	-	-	-
	Tufted puffin			LOW				X	X	X	X	X	X				-	-	-	-

FISH:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
3	Pink salmon (humpy)											X	X	X			AUG-OCT	-	-	-	AUG-OCT
5	Chum salmon (dog)					X	X	X	X	X							-	-	-	FEB-JUN	-
	Pink salmon (humpy)						X	X	X								-	-	-	MAR-MAY	-
6	Pink salmon (humpy)						X	X	X								-	-	-	MAR-MAY	-
7	Chum salmon (dog)				X					X	X	X	X	X	X	X	JUN-JAN	-	-	-	JUN-JAN
	Pink salmon (humpy)											X	X	X			AUG-OCT	-	-	-	AUG-OCT
8	Anadromous fish				X	X				X	X	X	X	X	X	X	JUN-FEB	-	-	-	JUN-FEB
18	Coho salmon (silver)								X	X	X	X					-	-	-	MAY-AUG	-
	Pink salmon (humpy)							X	X	X							-	-	-	MAR-MAY	-
	Sockeye salmon (red)								X	X	X	X					-	-	-	MAY-AUG	-
20	Chum salmon (dog)					X	X	X	X	X							-	-	-	FEB-JUN	-
	Pink salmon (humpy)											X	X	X			AUG-OCT	-	-	-	AUG-OCT
86	Chum salmon (dog)				X					X	X	X	X	X	X	X	JUN-JAN	-	-	-	JUN-JAN
	Dolly varden				X	X	X	X	X	X	X	X	X	X	X	X	JUL-DEC	-	-	JAN-DEC	JAN-DEC
	Pink salmon (humpy)											X	X	X			AUG-OCT	-	-	-	AUG-OCT
625	Arrowtooth flounder							X	X	X	X	X					-	-	-	-	APR-AUG
	Flathead sole								X	X	X	X	X	X	X	X	-	-	-	-	MAY-DEC
	Pacific cod									X	X	X	X	X	X	X	-	-	-	JUN-DEC	JUN-DEC
	Rock sole							X	X	X	X	X					-	-	-	-	APR-AUG
	Sablefish (blackcod)				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sculpin				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Walleye pollock				X	X	X										-	-	-	-	JAN-MAR
	Yellowfin sole				X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	JUN-AUG	JUN-OCT	JAN-DEC	MAY-AUG
881	Pacific herring										X						-	-	-	-	-
	Pacific sand lance										X						-	-	-	-	-

INVERTEBRATE:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
627	Tanner crab			MINOR	X	X	X	X	X	X	X	X	X	X	X	X	DEC-JUN	APR-SEP	-	JAN-DEC	JAN-DEC

MARINE MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
164	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
166	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
168	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
169	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
170	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
172	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
174	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
175	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
176	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
177	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
179	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
180	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
539	Humpback whale	F	E					X	X	X	X	X	X				-	-	-	-
	Killer whale							X	X	X	X	X	X				-	-	-	-
587	Harbor seal			549	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
588	Northern (Steller) sea lion	F	E	326	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
633	Harbor seal				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
713	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
714	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
791	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
792	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
793	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
795	Sea otter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
869	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
876	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-

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.