ENVIRONMENTAL SENSITIVITY INDEX MAP

147°45'00" 60°15'00" 147°22'30" 60°15'00"

PRESENT THROUGHOUT PRINCE WILLIAM SOUND

625 539

PRESENT THROUGHOUT MONTAGUE STRAIT

871 871 871 871

PRESENT THROUGHOUT AREA

627
632

Snug Harbor
KNIGHT ISLAND
Horn Mountain
Hogan Bay
Green Island
MONTAGUE STRAIT
MONTAGUE ISLAND
△Bud
△Cub

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

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 1:87000

1 KILOMETER
1 MILE

Not For Navigation
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Hazardous Materials Response Division

SEWARD (A-2), AK (1988) **PWS-37**

Prince William Sound - ESIMAP 37

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
244	Goldeneye			MED	X	X	X								X	X	-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Pelagic cormorant			LOW				X	X	X	X	X	X				-	-	-	-
	Shearwaters			LOW				X	X	X	X	X	X				-	-	-	-
245	Goldeneye			LOW	X	X	X								X	X	-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Pelagic cormorant			MED				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			LOW				X	X	X	X	X	X				-	-	-	-
	Scoters			MED	X	X	X								X	X	-	-	-	-
	Surf scoter			MED	X	X	X								X	X	-	-	-	-
258	Alcids			LOW				X	X	X	X	X	X				-	-	-	-
	Arctic tern			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Bufflehead			LOW				X	X	X	X	X	X				-	-	-	-
	Cormorant			LOW	X	X	X								X	X	-	-	-	-
	Glaucous-winged gull			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			LOW				X	X	X	X	X	X				-	-	-	-
	Pelagic cormorant			MED				X	X	X	X	X	X				-	-	-	-
259	Bald eagle			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			MED	X	X	X								X	X	-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Loons			LOW	X	X	X								X	X	-	-	-	-
	Oldsquaw			HIGH				X	X	X	X	X	X				-	-	-	-
	Scoters			HIGH	X	X	X								X	X	-	-	-	-
	Surf scoter			HIGH	X	X	X								X	X	-	-	-	-
	White-winged scoter			MED	X	X	X								X	X	-	-	-	-
264	Alcids			MED				X	X	X	X	X	X				-	-	-	-
	Bufflehead			LOW				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			MED				X	X	X	X	X	X				-	-	-	-
	Shorebirds			LOW	X	X	X								X	X	-	-	-	-
	White-winged scoter			LOW	X	X	X								X	X	-	-	-	-
274	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Storm-petrels			LOW				X	X	X	X	X	X				-	-	-	-
358	Pigeon guillemot			16						X	X	X	X				JUN-SEP	-	-	-
522	Black-legged kittiwake			314				X	X	X	X	X	X				JUN-SEP	-	-	-
	Glaucous-winged gull			3						X	X	X	X				JUN-SEP	-	-	-
527	Arctic tern			200						X	X	X	X				JUN-SEP	-	-	-
	Pigeon guillemot			21						X	X	X	X				JUN-SEP	-	-	-
	Tufted puffin			100						X	X	X	X				JUN-SEP	-	-	-
544	Waterfowl											X	X	X			-	-	-	-
545	Waterfowl				X	X						X	X	X	X		-	-	-	-
546	Waterfowl				X	X										X	-	-	-	-
547	Waterfowl				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	X	APR-AUG	APR-MAY	MAY-JUN	AUG-AUG
652	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			MED				X	X	X	X	X	X				-	-	-	-
	Diving ducks			LOW	X	X	X								X	X	-	-	-	-
	Glaucous-winged gull			MED				X	X	X	X	X	X				-	-	-	-
	Goldeneye			MED	X	X	X								X	X	-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			MED				X	X	X	X	X	X				-	-	-	-
	Scoters			MED	X	X	X								X	X	-	-	-	-
	Surf scoter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
653	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			MED				X	X	X	X	X	X				-	-	-	-
	Cormorant			LOW	X	X	X								X	X	-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			MED				X	X	X	X	X	X				-	-	-	-
	Scoters			MED	X	X	X								X	X	-	-	-	-
	Surf scoter			HIGH	X	X	X								X	X	-	-	-	-
	White-winged scoter			LOW	X	X	X								X	X	-	-	-	-
702	Arctic tern			MED				X	X	X	X	X	X				-	-	-	-
	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black oystercatcher			MED				X	X	X	X	X	X				-	-	-	-
	Black turnstone			MED				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			HIGH				X	X	X	X	X	X				-	-	-	-
	Cormorant			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			HIGH				X	X	X	X	X	X				-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			HIGH				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			HIGH				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			MED				X	X	X	X	X	X				-	-	-	-
	Ruddy turnstone			LOW				X	X	X	X	X	X				-	-	-	-
	Sandpipers			LOW				X	X	X	X	X	X				-	-	-	-
	Shearwaters			LOW				X	X	X	X	X	X				-	-	-	-
	Shorebirds			LOW				X	X	X	X	X	X				-	-	-	-
	Surfbird			HIGH				X	X	X	X	X	X				-	-	-	-
703	Arctic tern			LOW				X	X	X	X	X	X				-	-	-	-
	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black oystercatcher			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			MED				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			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				-	-	-	-
	Pigeon guillemot			LOW				X	X	X	X	X	X				-	-	-	-
	Surfbird			MED				X	X	X	X	X	X				-	-	-	-
706	Arctic tern			LOW				X	X	X	X	X	X				-	-	-	-
	Black turnstone			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			HIGH				X	X	X	X	X	X				-	-	-	-
	Common merganser			LOW				X	X	X	X	X	X				-	-	-	-
	Common murre			MED				X	X	X	X	X	X				-	-	-	-
	Cormorant			HIGH	X	X	X								X	X	-	-	-	-
	Fork-tailed storm-petrel			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			HIGH				X	X	X	X	X	X				-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Herring gull			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			HIGH				X	X	X	X	X	X				-	-	-	-
	Mew gull			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			HIGH				X	X	X	X	X	X				-	-	-	-
	Oldsquaw			MED	X	X	X								X	X	-	-	-	-
	Pelagic cormorant			HIGH				X	X	X	X	X	X				-	-	-	-
	Rock sandpiper			MED	X	X	X								X	X	-	-	-	-
	Scoters			LOW	X	X	X								X	X	-	-	-	-
	Surf scoter			HIGH	X	X	X								X	X	-	-	-	-
	Surfbird			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Tufted puffin			LOW				X	X	X	X	X	X				-	-	-	-
	White-winged scoter			MED	X	X	X								X	X	-	-	-	-

Prince William Sound - ESIMAP 37 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
708	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			MED				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			HIGH				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			HIGH				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Mew gull			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			LOW				X	X	X	X	X	X				-	-	-	-
	Scoters			HIGH				X	X	X	X	X	X				-	-	-	-
	Shorebirds			LOW				X	X	X	X	X	X				-	-	-	-
	Surf scoter			HIGH				X	X	X	X	X	X				-	-	-	-
	Whimbrel			LOW				X	X	X	X	X	X				-	-	-	-
	White-winged scoter			MED				X	X	X	X	X	X				-	-	-	-
871	Black (common) scoter			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Fork-tailed storm-petrel			HIGH				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Kittlitz's murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
873	Ancient murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			HIGH				X	X	X	X	X	X				-	-	-	-
	Common murre			LOW				X	X	X	X	X	X				-	-	-	-
	Fork-tailed storm-petrel			HIGH				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			LOW				X	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				-	-	-	-
	Murre			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Oldsquaw			LOW		X	X	X						X	X		-	-	-	-
	Scoters			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Shearwaters			HIGH				X	X	X	X	X	X				-	-	-	-
	Surf scoter			LOW	X	X	X							X	X		-	-	-	-
	Surf scoter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	White-winged scoter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	White-winged scoter			LOW	X	X	X							X	X		-	-	-	-
	White-winged scoter			MED				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	-
10	Coho salmon (silver)								X	X	X	X	X	X			-	-	-	MAY-OCT	-
	Pink salmon (humpy)											X	X	X			AUG-OCT	-	-	-	AUG-OCT
19	Coho salmon (silver)								X	X	X	X	X	X			-	-	-	MAY-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
879	Pacific sand lance										X						-	-	-	-	-
887	Capelin										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
626	Tanner crab			SIGNIFICAN	X	X	X	X	X	X	X	X	X	X	X	X	DEC-JUN	APR-SEP	-	JAN-DEC	JAN-DEC
627	Tanner crab			MINOR	X	X	X	X	X	X	X	X	X	X	X	X	DEC-JUN	APR-SEP	-	JAN-DEC	JAN-DEC
631	Golden king crab			SIGNIFICAN		X	X	X	X	X	X						FEB-AUG	-	-	-	FEB-AUG
632	Red king crab			MINOR	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	APR-AUG	-	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
112	Harbor seal			38	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
113	Harbor seal			28	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
245	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
258	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
259	Sea otter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
264	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
274	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				-	-	-	-
590	Northern (Steller) sea lion	F	E	0	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
652	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
653	Sea otter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
702	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
703	Sea otter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
706	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
708	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
871	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
873	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.