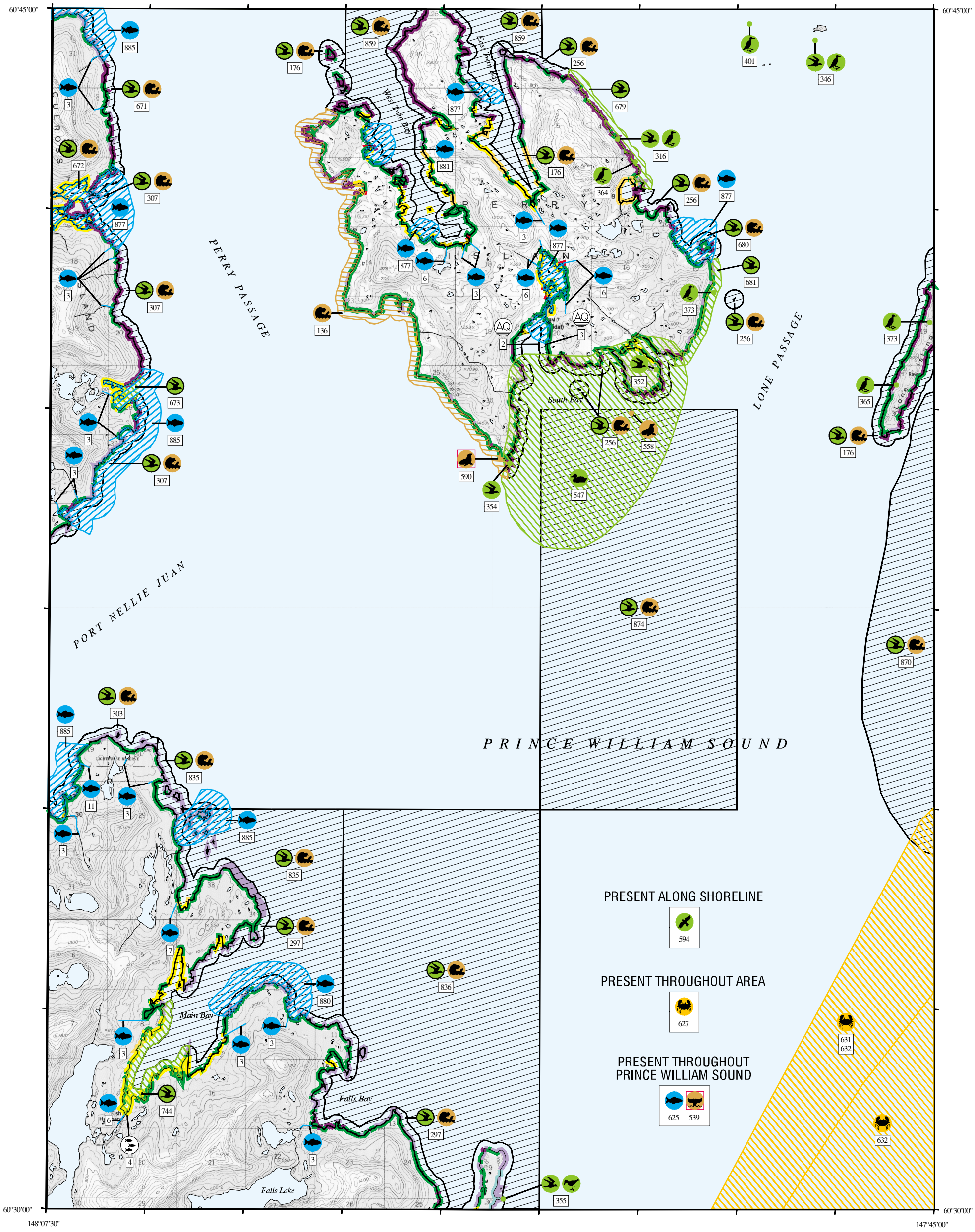
ENVIRONMENTAL SENSITIVITY INDEX MAP

148°07'30" 60°45'00" 147°45'00" 60°45'00"



60°30'00" 148°07'30" 147°45'00" 60°30'00"

PRESENT ALONG SHORELINE

PRESENT THROUGHOUT AREA

PRESENT THROUGHOUT PRINCE WILLIAM SOUND

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 .5 0 1 KILOMETER

1 .5 0 1 MILE

Not For Navigation

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National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division

SEWARD (C-3), AK (1987) **PWS-16**

Prince William Sound - ESIMAP 16

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
176	Goldeneye			LOW	X	X	X								X	X	-	-	-	-
256	Bald eagle			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Birds			LOW	X	X	X								X	X	-	-	-	-
	Cormorant			LOW	X	X	X								X	X	-	-	-	-
	Goldeneye			HIGH	X	X	X								X	X	-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Loons			MED	X	X	X								X	X	-	-	-	-
	Oldsquaw			LOW				X	X	X	X	X	X				-	-	-	-
297	Alcids			MED				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH	X	X	X								X	X	-	-	-	-
	Greater scaup			LOW				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			LOW				X	X	X	X	X	X				-	-	-	-
	Mergansers			MED	X	X	X								X	X	-	-	-	-
	Mew gull			MED				X	X	X	X	X	X				-	-	-	-
	Oldsquaw			LOW				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			LOW				X	X	X	X	X	X				-	-	-	-
	Scoters			MED	X	X	X								X	X	-	-	-	-
	Surf scoter			LOW	X	X	X								X	X	-	-	-	-
303	Birds			LOW	X	X	X								X	X	-	-	-	-
	Black (common) scoter			LOW				X	X	X	X	X	X				-	-	-	-
	Cormorant			LOW	X	X	X								X	X	-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH	X	X	X								X	X	-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Scoters			MED	X	X	X								X	X	-	-	-	-
	Surf scoter			HIGH	X	X	X								X	X	-	-	-	-
307	Alcids			LOW				X	X	X	X	X	X				-	-	-	-
	Cormorant			LOW	X	X	X								X	X	-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Goldeneye			HIGH	X	X	X								X	X	-	-	-	-
	Gulls			LOW				X	X	X	X	X	X				-	-	-	-
	Loons			LOW	X	X	X								X	X	-	-	-	-
	Mergansers			LOW	X	X	X								X	X	-	-	-	-
	Oldsquaw			MED				X	X	X	X	X	X				-	-	-	-
	Scoters			LOW	X	X	X								X	X	-	-	-	-
316	Glaucous-winged gull			1000						X	X	X	X				JUN-SEP	-	-	-
	Horned puffin			20						X	X	X	X				JUN-SEP	-	-	-
	Tufted puffin			20						X	X	X	X				JUN-SEP	-	-	-
346	Arctic tern			11						X	X	X	X				JUN-SEP	-	-	-
	Glaucous-winged gull			122						X	X	X	X				JUN-SEP	-	-	-
	Tufted puffin			15						X	X	X	X				JUN-SEP	-	-	-
352	Arctic tern			65						X	X	X	X				JUN-SEP	-	-	-
354	Arctic tern			16						X	X	X	X				JUN-SEP	-	-	-
355	Arctic tern			163						X	X	X	X				JUN-SEP	-	-	-
	Black oystercatcher			21						X	X	X	X				JUN-SEP	-	-	-
364	Pigeon guillemot			6						X	X	X	X				JUN-SEP	-	-	-
365	Pigeon guillemot			8						X	X	X	X				JUN-SEP	-	-	-
373	Pigeon guillemot			11						X	X	X	X				JUN-SEP	-	-	-
401	Black-legged kittiwake			22				X	X	X	X	X	X				JUN-SEP	-	-	-
547	Waterfowl				X	X	X	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
671	Bald eagle			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				-	-	-	-
	Glaucous-winged gull			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				-	-	-	-
672	Arctic tern			LOW				X	X	X	X	X	X				-	-	-	-
	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			MED				X	X	X	X	X	X				-	-	-	-
	Bonaparte's gull			LOW				X	X	X	X	X	X				-	-	-	-
	Common merganser			LOW				X	X	X	X	X	X				-	-	-	-
	Diving ducks			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Glaucous-winged gull			MED				X	X	X	X	X	X				-	-	-	-
	Goldeneye			MED	X	X	X	X	X	X	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				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Red-breasted merganser			LOW	X	X	X								X	X	-	-	-	-
	Red-necked grebe			MED	X	X	X								X	X	-	-	-	-
673	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			HIGH				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			MED				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			LOW				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			LOW				X	X	X	X	X	X				-	-	-	-
	Red-breasted merganser			HIGH				X	X	X	X	X	X				-	-	-	-
679	Bald eagle			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				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			LOW				X	X	X	X	X	X				-	-	-	-
	Pigeon guillemot			MED				X	X	X	X	X	X				-	-	-	-
	Tufted puffin			LOW				X	X	X	X	X	X				-	-	-	-
680	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			MED				X	X	X	X	X	X				-	-	-	-
	Common merganser			MED				X	X	X	X	X	X				-	-	-	-
	Cormorant			LOW	X	X	X								X	X	-	-	-	-
	Diving ducks			LOW	X	X	X								X	X	-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Harlequin duck			MED				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				-	-	-	-
	Red-necked grebe			LOW	X	X	X								X	X	-	-	-	-
	Scoters			HIGH	X	X	X								X	X	-	-	-	-
681	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			MED				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				-	-	-	-
	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				-	-	-	-
	Surfbird			LOW				X	X	X	X	X	X				-	-	-	-
744	Bald eagle			LOW				X	X	X	X	X	X				-	-	-	-
	Black-legged kittiwake			MED				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			MED				X	X	X	X	X	X				-	-	-	-
	Gulls			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				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	Red-necked (Northern) phalarope			LOW				X	X	X	X	X	X				-	-	-	-
835	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Glaucous-winged gull			LOW				X	X	X	X	X	X				-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
836	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Common murre			LOW				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				-	-	-	-
	White-winged scoter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

Prince William Sound - ESIMAP 16 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
859	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Ducks			LOW	X	X	X								X	X	-	-	-	-
	Marbled murrelet			MED				X	X	X	X	X	X				-	-	-	-
	Murrelets			MED				X	X	X	X	X	X				-	-	-	-
	White-winged scoter			HIGH	X	X	X								X	X	-	-	-	-
870	Black-legged kittiwake			LOW				X	X	X	X	X	X				-	-	-	-
	Common murre			LOW				X	X	X	X	X	X				-	-	-	-
	Fork-tailed storm-petrel			LOW				X	X	X	X	X	X				-	-	-	-
	Horned puffin			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			MED				X	X	X	X	X	X				-	-	-	-
	Tufted puffin			LOW				X	X	X	X	X	X				-	-	-	-
874	Common murre			MED				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			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
6	Pink salmon (humpy)						X	X	X								-	-	-	MAR-MAY	-
7	Chum salmon (dog)				X				X	X	X	X	X	X	X	X	JUN-JAN	-	-	-	JUN-JAN
	Pink salmon (humpy)											X	X	X			AUG-OCT	-	-	-	AUG-OCT
11	Chum salmon (dog)				X				X	X	X	X	X	X	X	X	JUN-JAN	-	-	-	JUN-JAN
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
877	Pacific herring										X						-	-	-	-	-
880	Pacific herring									X	X						-	-	-	-	-
	Pacific sand lance									X	X						-	-	-	-	-
881	Pacific herring										X						-	-	-	-	-
	Pacific sand lance										X						-	-	-	-	-
885	Pacific herring									X	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
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
136	Sea otter			LOW	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	-
256	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
297	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
303	Sea otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
307	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				-	-	-	-
558	Harbor seal			>10	X	X	X	X	X	X	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	-	-	-	-
671	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
672	Sea otter			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
680	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
835	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
836	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
859	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
870	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-
874	Sea otter			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	-

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HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Owner	Contact	Phone
2	AQUACULTURE			
3	AQUACULTURE			

HATCHERY:

HUN#	Name	Owner	Contact	Phone
9	Main Bay Salmon Hatchery	PRINCE WILLIAM SOUND AQUACULTURE CORP.	PAUL SANTAVY	907-255-7337

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.