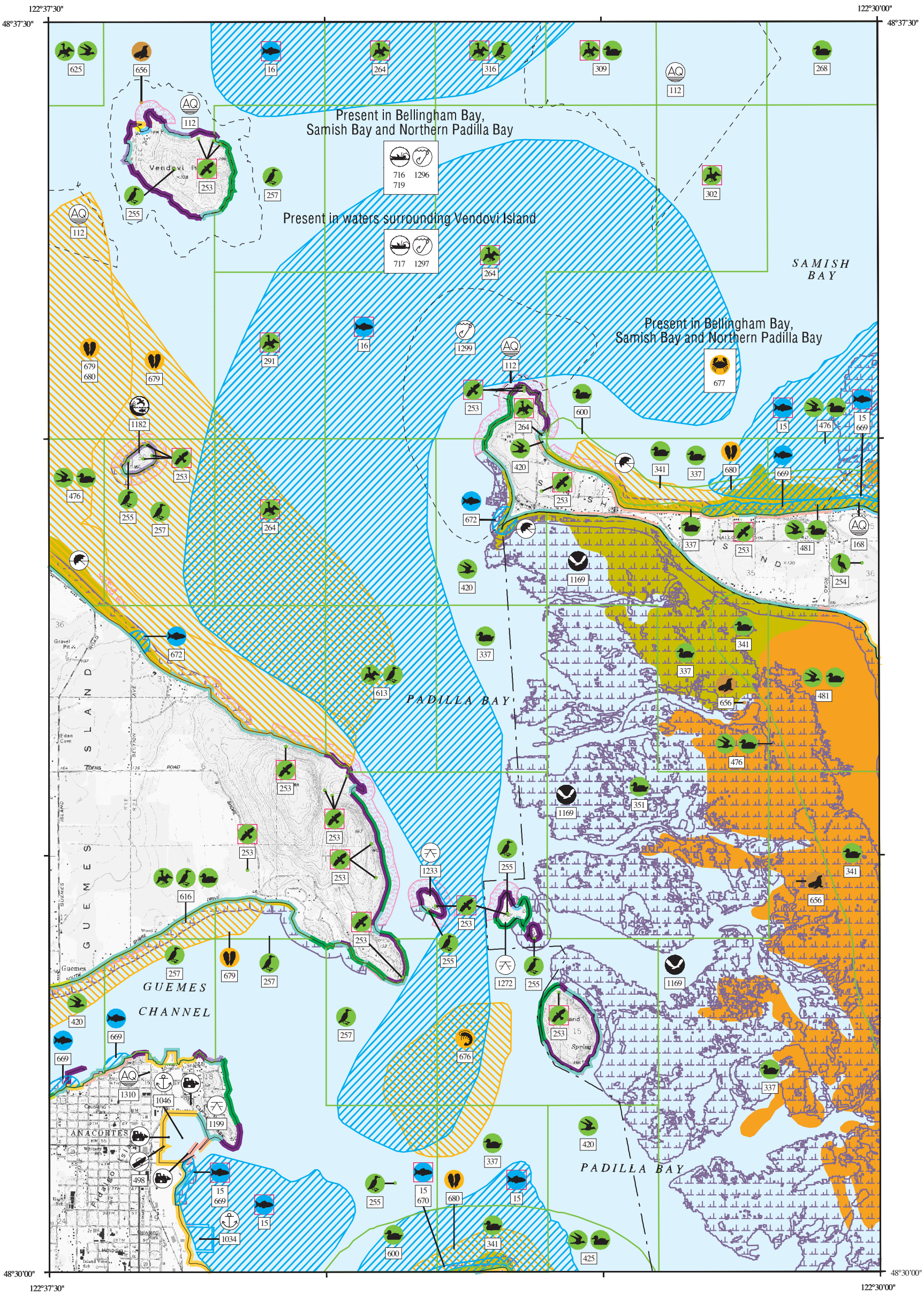
ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

- 1A EXPOSED ROCKY SHORES
  1B EXPOSED, SOLID MAN–MADE STRUCTURES
- 2A EXPOSED WAVE–CUT PLATFORMS IN BEDROCK, MUD, OR CLAY
- 3A FINE–TO MEDIUM–GRAINED SAND BEACHES
  3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE–GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
  6D BOULDER RUBBLE
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES AND SHELTERED SCARPS IN BEDROCK, MUD, OR CLAY
- 8B SHELTERED, SOLID MAN–MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
  9B VEGETATED LOW BANKS
- 10A SALT– AND BRACKISH–WATER MARSHES
- 10C SWAMPS

N W E S

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

SCALE 1:45000

Not For Navigation

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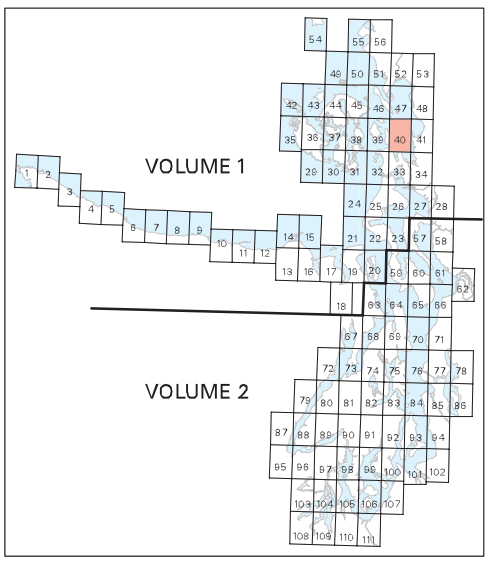

Anacortes North ESI-40

Puget Sound and the Strait of Juan de Fuca: ESIMAP 40

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
253	Bald eagle	T	T		X	X	X	X	X	X							JAN-JUL	FEB-MAR	MAR-APR	JAN-JUL
254	Great blue heron					X	X	X	X	X							FEB-JUL	-	-	-
255	Seabirds				X	X	X	X	X	X	X	X	X	X	X		APR-NOV	APR-AUG	MAY-OCT	JUN-NOV
257	Pigeon guillemot						X	X	X	X	X						MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
264	Western grebe	C			X	X	X							X	X	X	-	-	-	-
268	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
291	Red-throated loon				X	X	X	X	X						X	X	-	-	-	-
	Western grebe	C			X	X	X	X						X	X	X	-	-	-	-
302	Pacific loon				X	X	X	X	X					X	X	X	-	-	-	-
	Red-throated loon				X	X	X	X	X						X	X	-	-	-	-
	Western grebe	C			X	X	X	X						X	X	X	-	-	-	-
309	Long-tailed duck				X	X	X	X	X				X	X	X	X	-	-	-	-
	Pacific loon				X	X	X	X	X					X	X	X	-	-	-	-
	Red-throated loon				X	X	X	X	X						X	X	-	-	-	-
	Western grebe	C			X	X	X	X						X	X	X	-	-	-	-
316	Murre				X	X	X					X	X	X	X	X	-	-	-	-
	Red-throated loon				X	X	X	X	X						X	X	-	-	-	-
	Western grebe	C			X	X	X	X						X	X	X	-	-	-	-
337	Bufflehead				X	X	X	X							X	X	-	-	-	-
341	Bufflehead				X	X	X	X							X	X	-	-	-	-
	Waterfowl				X	X	X	X	X	X			X	X	X	X	-	-	-	-
351	Bufflehead				X	X	X	X							X	X	-	-	-	-
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
420	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
425	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Waterfowl				X	X	X	X	X	X			X	X	X	X	-	-	-	-
476	Bufflehead				X	X	X	X							X	X	-	-	-	-
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
481	Bufflehead				X	X	X	X							X	X	-	-	-	-
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Waterfowl				X	X	X	X	X	X			X	X	X	X	-	-	-	-
600	Waterfowl				X	X	X	X	X	X			X	X	X	X	-	-	-	-
613	Cormorant				X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-AUG	MAY-SEP	JUN-OCT
	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
616	Cormorant				X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-AUG	MAY-SEP	JUN-OCT
	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
	Scaup				X	X	X	X							X	X	-	-	-	-
625	Cormorant				X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-AUG	MAY-SEP	JUN-OCT
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-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	Pacific herring	C	C		X	X	X	X	X	X							JAN-JUN	-	-	-	-
16	Pacific herring	C	C		X	X	X	X	X	X							-	-	-	-	JAN-JUN
669	Surf smelt				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	-	-
670	Pacific sand lance				X	X									X	X	NOV-FEB	-	-	-	-
	Surf smelt				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	-	-
672	Pacific sand lance				X	X									X	X	NOV-FEB	-	-	-	-

INVERTEBRATE:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
676	Pandalid shrimp				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
677	Dungeness crab				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
679	Scallops				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
680	Hardshell clams				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-

MARINE MAMMAL:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
656	Harbor seal				X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-OCT

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HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Contact	Phone
112	EAST SAN JUANS		
168	SAMISH BAY		
1310	FIDALGO NET PENS		

BOAT RAMP:

HUN#	Name	Contact	Phone
498	CAP SANTE MARINA - MOORAGE	ANACORTES, PORT OF	360/293-3134

COMMERCIAL FISHING:

HUN#	Name	Contact	Phone
716	DEMERSAL GROUNDFISH FISHING		
717	PELAGIC GROUNDFISH FISHING		
719	SALMON FISHING		

MARINA:

HUN#	Name	Contact	Phone
1034	ANACORTES MARINA	ANACORTES MARINE ENTERPRISES	360/293-4543
1046	CAP SANTE BOAT HAVEN	ANACORTES, PORT OF	360/293-3134

MARINE SANCTUARY/NERR:

HUN#	Name	Contact	Phone
1169	PADILLA BAY NERR		

NATURE CONSERVANCY:

HUN#	Name	Contact	Phone
1182	JACK ISLAND		

PARK:

HUN#	Name	Contact	Phone
1199	CAP SANTE PARK		
1233	HUCKLEBERRY ISLAND	DEB PETERSEN, WASHINGTON STATE PARKS	360/902-8634
1272	SADDLEBAG ISLAND	DEB PETERSEN, WASHINGTON STATE PARKS	360/902-8634

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.

Puget Sound and the Strait of Juan de Fuca: ESIMAP 40 (cont.)

HUMAN USE RESOURCES: (cont.)

RECREATIONAL FISHING:

HUN#	Name	Contact	Phone
1296	DEMERSAL GROUNDFISH FISHING		
1297	PELAGIC GROUNDFISH FISHING		
1299	SALMON FISHING		