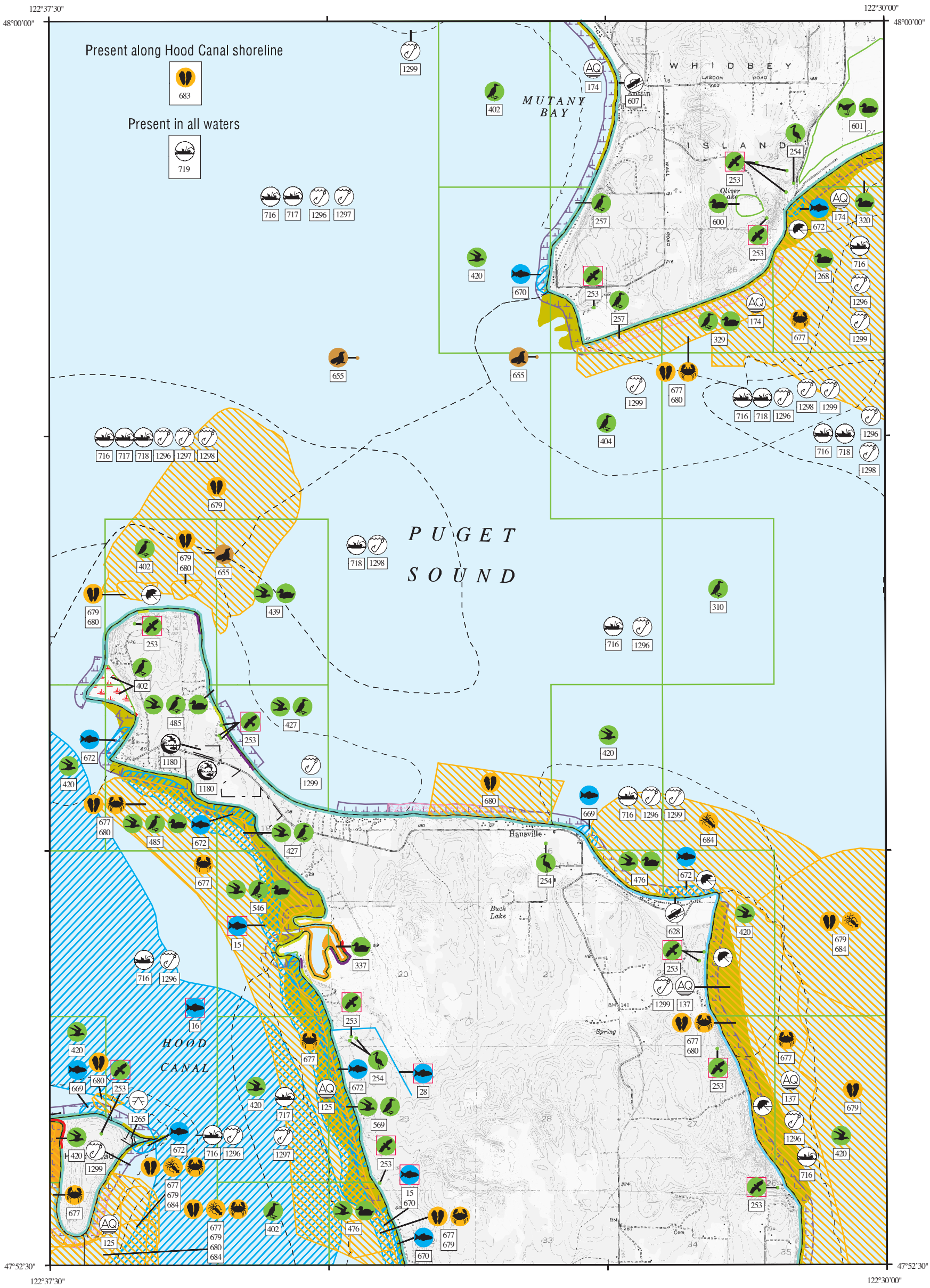
ENVIRONMENTAL SENSITIVITY INDEX MAP



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

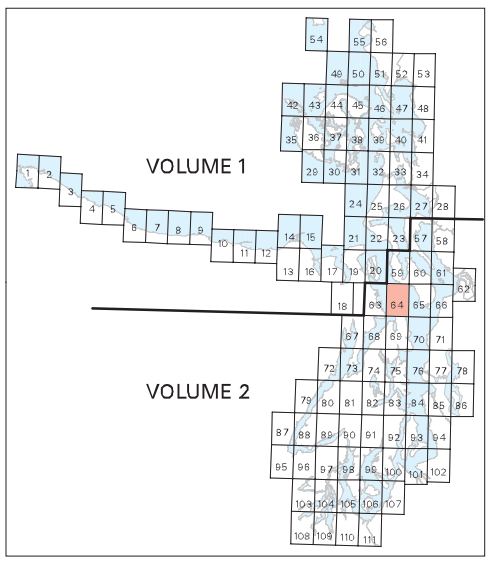
SCALE 1:45000

Not For Navigation

Published: May 2006

Published for:
Navy Region Northwest and
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division

Prepared by:
Concurrent Technologies Corp., Sound GIS, and
Research Planning, Inc.



Hansville ESI-64

Puget Sound and the Strait of Juan de Fuca: ESIMAP 64

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	-	-	-
257	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
268	Scoters				X	X	X	X				X	X	X	X	X	-	-	-	-
310	Murre				X	X	X					X	X	X	X	X	-	-	-	-
320	Goldeneye				X	X	X	X							X	X	-	-	-	-
329	Goldeneye				X	X	X	X							X	X	-	-	-	-
	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
	Scoters				X	X	X	X				X	X	X	X	X	-	-	-	-
337	Bufflehead				X	X	X	X							X	X	-	-	-	-
402	Rhinoceros auklet				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-JUN	JUN-JUL	JUL-SEP
404	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
	Rhinoceros auklet				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-JUN	JUN-JUL	JUL-SEP
420	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
427	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
439	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Scoters				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
485	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
	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
546	Bufflehead				X	X	X	X							X	X	-	-	-	-
	Goldeneye				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
	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
	Scoters				X	X	X	X				X	X	X	X	X	-	-	-	-
569	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Pigeon guillemot						X	X	X	X	X	X					MAY-AUG	MAY-JUL	JUN-AUG	JUL-AUG
	Rhinoceros auklet				X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-JUN	JUN-JUL	JUL-SEP
600	Waterfowl				X	X	X	X	X	X			X	X	X	X	-	-	-	-
601	Shorebirds				X	X	X	X	X				X	X	X	X	-	-	-	-
	Waterfowl				X	X	X	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
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
28	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
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
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	-	-	-	-	-
683	Geoduck				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
684	Giant octopus				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
655	California sea lion				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-NOV

==========

HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Contact	Phone
125	HOOD CANAL #1		
137	KINGSTON		
174	SOUTH WEST WHIDBEY		

BOAT RAMP:

HUN#	Name	Contact	Phone
607	MUTINY BAY RAMP	ISLAND COUNTY PARKS & REC	360/679-7300
628	POINT NO POINT	WASHINGTON DEPARTMENT OF FISH AND WILDLIFE	360/902-2200

COMMERCIAL FISHING:

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

NATURE CONSERVANCY:

HUN#	Name	Contact	Phone
1180	FOULWEATHER BLUFF		

PARK:

HUN#	Name	Contact	Phone
1265	POINT HANNON	DEB PETERSEN, WASHINGTON STATE PARKS	360/902-8634

RECREATIONAL FISHING:

HUN#	Name	Contact	Phone
1296	DEMERSAL GROUNDFISH FISHING		
1297	PELAGIC GROUNDFISH FISHING		
1298	ROCKY REEF GROUNDFISH FISHING		
1299	SALMON FISHING		

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.