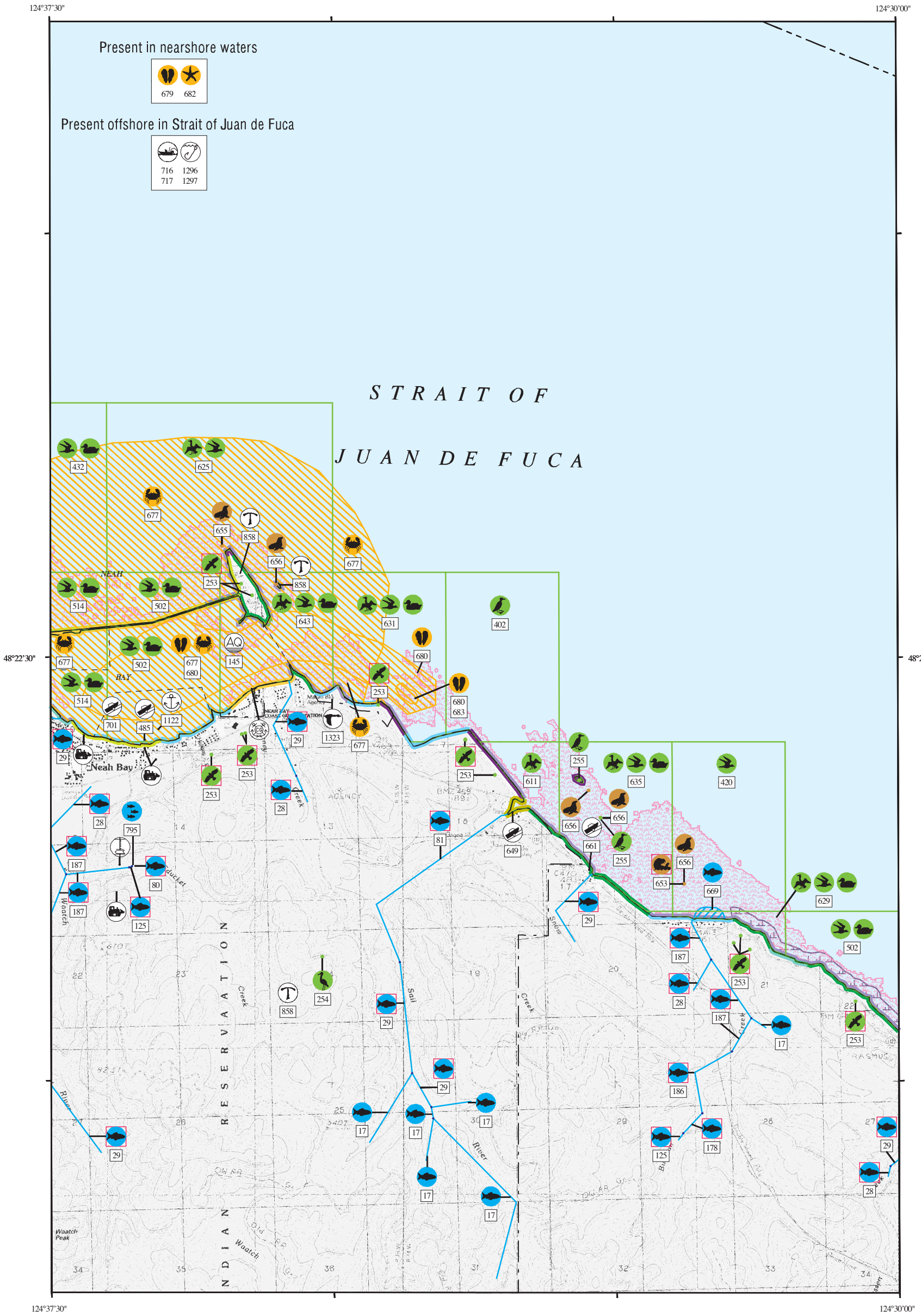
ENVIRONMENTAL SENSITIVITY INDEX MAP



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

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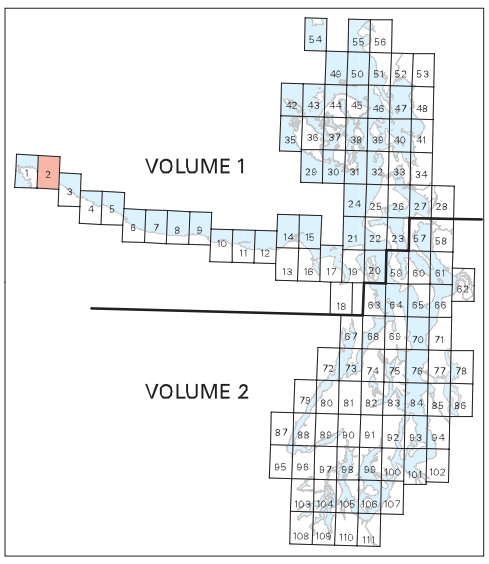
Concurrent Technologies Corp., Sound GIS, and
Research Planning, Inc.



Neah Bay
Waadah Island

ESI-2

Puget Sound and the Strait of Juan de Fuca: ESIMAP 2

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	X	APR-NOV	APR-AUG	MAY-OCT	JUN-NOV
402	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
432	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Harlequin duck							X	X	X	X	X					-	-	-	-
502	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
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
514	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
	Harlequin duck							X	X	X	X	X					-	-	-	-
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
611	Cormorant				X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-AUG	MAY-SEP	JUN-OCT
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
629	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
	Harlequin duck							X	X	X	X	X					-	-	-	-
631	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
	Harlequin duck							X	X	X	X	X					-	-	-	-
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
635	Bufflehead				X	X	X	X							X	X	-	-	-	-
	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
	Harlequin duck							X	X	X	X	X					-	-	-	-
643	Bufflehead				X	X	X	X							X	X	-	-	-	-
	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
	Harlequin duck							X	X	X	X	X					-	-	-	-
	Scaup				X	X	X	X							X	X	-	-	-	-
	Scoters				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
17	Steelhead (winter)				X	X	X	X	X						X	X	FEB-JUN	-	-	-	NOV-JUN
28	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
29	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Steelhead (winter)				X	X	X	X	X						X	X	FEB-JUN	-	-	-	NOV-JUN
80	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
81	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Steelhead (winter)				X	X	X	X	X						X	X	FEB-JUN	-	-	-	NOV-JUN
125	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
178	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
186	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
187	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Steelhead (winter)				X	X	X	X	X						X	X	FEB-JUN	-	-	-	NOV-JUN
669	Surf smelt				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	-	-

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	-	-	-	-	-
682	Sea urchins				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	-	-	-	-	-

MARINE MAMMAL:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
653	Sea otter	E	C		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	JAN-DEC	-
655	California sea lion				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-NOV
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
145	NEAH BAY		

BOAT RAMP:

HUN#	Name	Contact	Phone
485	BIG SALMON	BIG SALMON FISHING RESORT	360/645-2374
649	SAIL RIVER BOAT RAMP		
661	SNOW CREEK BOAT RAMP (CLALLAM)	WASHINGTON DEPARTMENT OF FISH AND WILDLIFE	360/902-2200
701	WEST WIND RESORT	MAKAH TRIBAL COUNCIL	360/645-2201

COMMERCIAL FISHING:

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

HATCHERY:

HUN#	Name	Contact	Phone
795	EDUCKET CREEK HATCHERY		

INDIAN RESERVATION:

HUN#	Name	Contact	Phone
858	MAKAH INDIAN RESERVATION	MAKAH TRIBE	360/645-2201

MARINA:

HUN#	Name	Contact	Phone
1122	PORT OF NEAH BAY/MAKAH MARINA	MAKAH TRIBAL COUNCIL	360/645-2201

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 2 (cont.)

HUMAN USE RESOURCES: (cont.)

RECREATIONAL FISHING:

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

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
1323	MAKAH WILDERNESS RESERVE AREA		