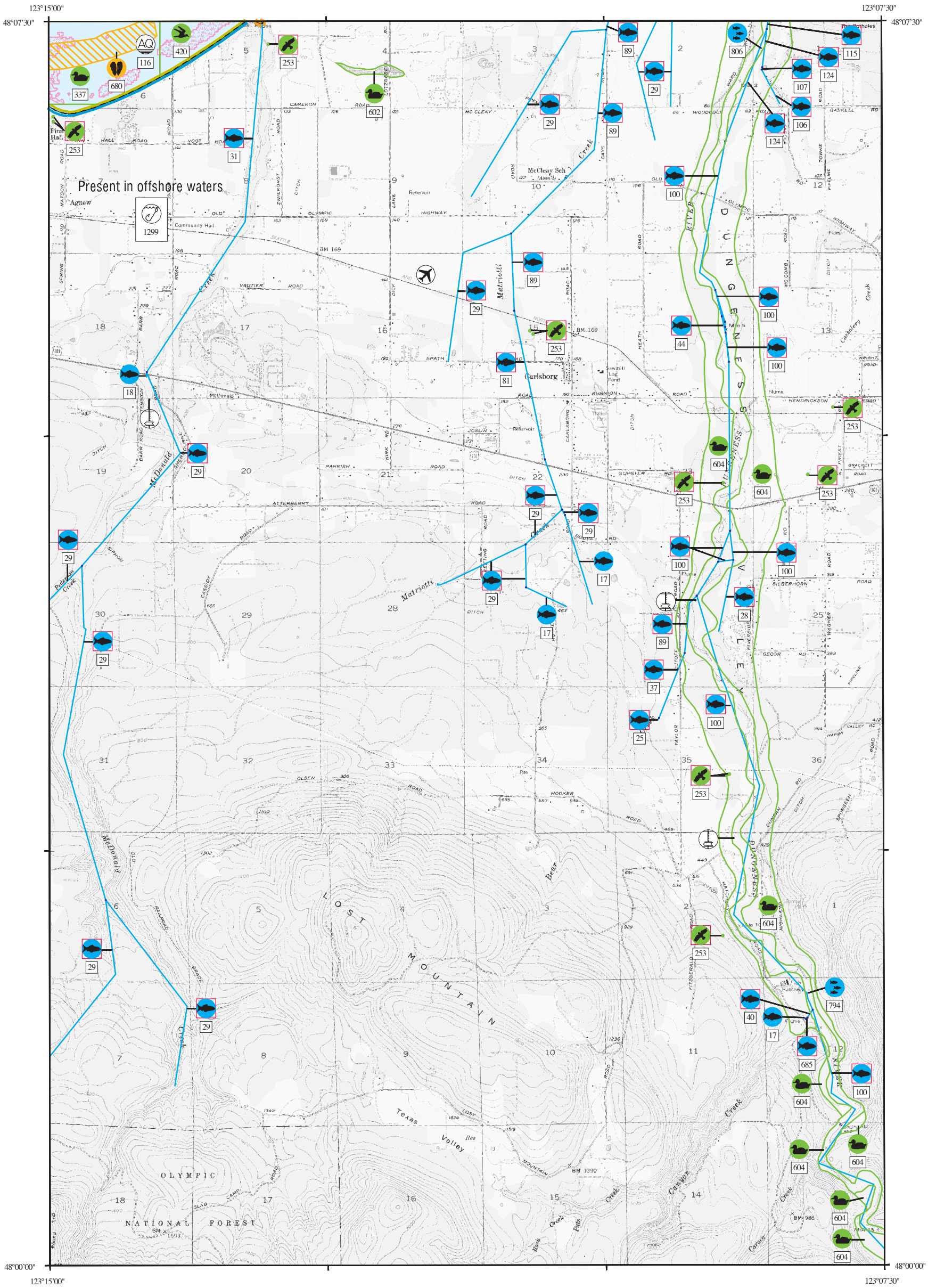
ENVIRONMENTAL SENSITIVITY INDEX MAP



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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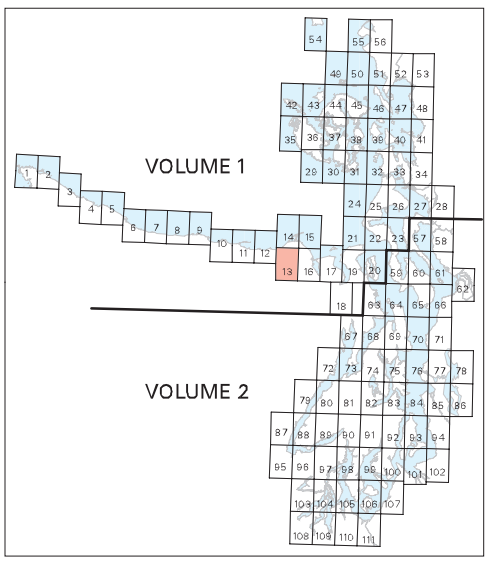

Carlsborg ESI-13

Puget Sound and the Strait of Juan de Fuca: ESIMAP 13

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
337	Bufflehead				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
602	Waterfowl				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
604	Harlequin duck						X	X	X	X							APR-JUN	-	-	-

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	X	FEB-JUN	-	-	-	NOV-JUN
18	Steelhead (summer)				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	-	JAN-DEC
25	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
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	X	FEB-JUN	-	-	-	NOV-JUN
31	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
	Steelhead (summer)				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	-	JAN-DEC
37	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
40	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
44	Chinook salmon (spring)	C	T				X	X	X	X	X	X	X	X			JUL-OCT	-	-	-	MAR-OCT
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	X	FEB-JUN	-	-	-	NOV-JUN
89	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
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
100	Chinook salmon (spring)	C	T				X	X	X	X	X	X	X	X			JUL-OCT	-	-	-	MAR-OCT
	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
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV
	Sockeye salmon								X	X	X	X	X				-	-	-	-	MAY-SEP
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
	Steelhead (summer)				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	-	JAN-DEC
106	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Chum salmon (summer)	C	T									X	X	X			AUG-NOV	-	-	-	AUG-NOV
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
107	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Chum salmon (summer)	C	T									X	X	X	X		AUG-NOV	-	-	-	AUG-NOV
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
115	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Chum salmon (summer)	C	T									X	X	X	X		AUG-NOV	-	-	-	AUG-NOV
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
124	Chinook salmon (spring)	C	T				X	X	X	X	X	X	X	X			JUL-OCT	-	-	-	MAR-OCT
	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Chum salmon (summer)	C	T									X	X	X	X		AUG-NOV	-	-	-	AUG-NOV
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV
	Sockeye salmon								X	X	X	X	X				-	-	-	-	MAY-SEP
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
	Steelhead (summer)				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	-	JAN-DEC
685	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV

INVERTEBRATE:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
680	Hardshell clams				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-

HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Contact	Phone
116	EAST STRAITS - GREEN PT		

HATCHERY:

HUN#	Name	Contact	Phone
794	DUNGENESS HATCHERY	DON RAPELJE	360/683-4255
806	HURD CREEK HATCHERY	DON RAPELJE	360/683-1738

RECREATIONAL FISHING:

HUN#	Name	Contact	Phone
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.