# ENVIRONMENTAL SENSITIVITY INDEX MAP

123°45'00" 48°15'00" 123°37'30" 48°15'00"

BRITISH COLUMBIA
WASHINGTON
CANADA
UNITED STATES

Present in nearshore waters
677 682

Present in Strait of Juan de Fuca
716 1296

Present offshore in Strait of Juan de Fuca
719

310

334

STRAIT OF JUAN DE FUCA

CRESCENT BAY

Striped Peak

48°07'30" 123°45'00" 48°07'30" 123°37'30"

## 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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VOLUME 1

VOLUME 2

Joyce ESI-9

# Puget Sound and the Strait of Juan de Fuca: ESIMAP 9

## 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 |
| 255 | Seabirds | | | | X | 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 | X | | | | | MAY-AUG | MAY-JUL | JUN-AUG | JUL-AUG |
| 261 | Harlequin duck | | | | | | | X | X | X | X | X | | | | | - | - | - | - |
| 263 | Harlequin duck | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | - |
| | Pigeon guillemot | | | | | | X | X | X | X | X | X | | | | | MAY-AUG | MAY-JUL | JUN-AUG | JUL-AUG |
| 310 | Murre | | | | X | X | X | | | | X | X | X | X | X | | - | - | - | - |
| 334 | Common loon | C | | | X | X | X | X | X | | | X | X | X | X | | - | - | - | - |
| 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 |
| 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 |
| 494 | 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 | | | | | - | - | - | - |
| | Pigeon guillemot | | | | | | X | X | X | X | X | X | | | | | MAY-AUG | MAY-JUL | JUN-AUG | JUL-AUG |
| 511 | 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 |
| | Scoters | | | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 |
| 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 | - | - | - | - | - |
| 682 | Sea urchins | | | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|
| 115 | EAST STRAITS - FRESHWATER | | |

### BOAT RAMP:

| HUN# | Name | Contact | Phone |
|---|---|---|---|
| 540 | FRESHWATER BAY COUNTY PARK | CLALLAM CO PARK & REC DISTRICT | 360/683-3344 |
| 614 | OBSERVATORY POINT BOAT RAMP | | |

### COMMERCIAL FISHING:

| HUN# | Name | Contact | Phone |
|---|---|---|---|
| 716 | DEMERSAL GROUNDFISH FISHING | | |
| 719 | SALMON FISHING | | |

### MANAGEMENT AREA:

| HUN# | Name | Contact | Phone |
|---|---|---|---|
| 1026 | TONGUE POINT MARINE LIFE SANCTUARY | CLALLAM COUNTY PARKS AND FAIR (CCPF) DEPARTMENT | |

### PARK:

| HUN# | Name | Contact | Phone |
|---|---|---|---|
| 1285 | STRIPED PEAK RECREATION AREA | | |

### RECREATIONAL FISHING:

| HUN# | Name | Contact | Phone |
|---|---|---|---|
| 1296 | DEMERSAL 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.