Habitat Suitability Index (HSI)

Substrate and Shoreline Modifications

Shoreline Modification (in %)
- 0 - 10
- 11 - 30
- 31 - 60
- 61 - 80
- 81 - 100

Substrate Type
- mud and fines
- sand
- gravel and sand
- gravel
- rock, gravel, and sand
- rock
- man-made

Shoreline Modifications shows the percentage of anthropogenic shoreline modification in each line unit.

Substrate Type divides the shoreline into 8 separate groups based on substrate type (This is a simplification of ShoreZone’s BC Shoreline Classification).

ShoreZone Data has a stated resolution of 0.5 mile and a positional accuracy of +/- 40 feet. The data used in ShoreZone was collected between 1994 and 2000. ShoreZone was released in 2001.
Positive Scores for Natural Features
Negative Scores for Human Impacts
Combine Spawn Surveys with Habitat Suitability

Forage Fish Spawn Habitat Suitability

- Not likely any eggs
- Low likelihood of eggs
- Moderate likelihood of eggs
- High likelihood of eggs
- Very High likelihood of eggs
How well are we protecting FF Habitat?

(Where is habitat suitability high, but spawn has not been documented?)

Habitat Suitability

- Shoreline Miles Without Spawn
- Shoreline Miles With Spawn
Prioritize Restoration?

Bowman Bay
15+ Years of Nearshore Data
Welcome to SoundIQ!

What can I do with SoundIQ?

SoundIQ allows you to search for Puget Sound-area information and create custom maps. This mapping interface is flexible and should work on desktop, tablet, and phone devices.

Among other things, you can:

- Find published MRC reports for a site
  Use the I want to button and choose “Run a Beach Report”, click on the map to select the area, and wait for the tool to finish. Your report will include relevant reports for that area.

- Search for a location
  Find map features and other results by using search terms.
SoundIQ Data Report
Documents and Reports Related to this Area

Clallam County Eelgrass Inventory in Crescent Bay, Freshwater Bay, Port Angeles Harbor and Dungeness Bay
Click to view report (PDF) - 24.553 KB
Author(s): Jim Norris, Ian Fraser
Description: Eelgrass field survey using underwater video (2009)

Eelgrass Mapping Along the Elwha Nearshore
Click to view report (PDF) - 927 KB
Author(s): Jim Norris, Ian Fraser
Description: Eelgrass field survey using underwater video (2006)

The Intertidal and Shallow Subtital Benthos of the Strait of Juan de Fuca
Click to view report (PDF) - 4302 KB
Author(s): Nyblad et al.
Description: Algae and macroinvertebrate survey (1977-78) at Dungeness Spit and Morse Creek

Washington Coast Cleanup
Click to view report (online website) - ?
Author(s): Washington CoastSavers
Description: Marine debris cleanup locations along Strait of Juan de Fuca (Dungeness Spit)

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Access to data and download
Northwest Straits Kelp Survey Story... 2016 Kelp Surveys

Jefferson County - North Beach West

North Beach West was surveyed 11 times total over three months on several tidal heights and some simultaneous surveys (including one phone gps file).
Explore SoundIQ!