Pacific Salmon Foundation: Marine Reference Guide supports Coastal Resilience



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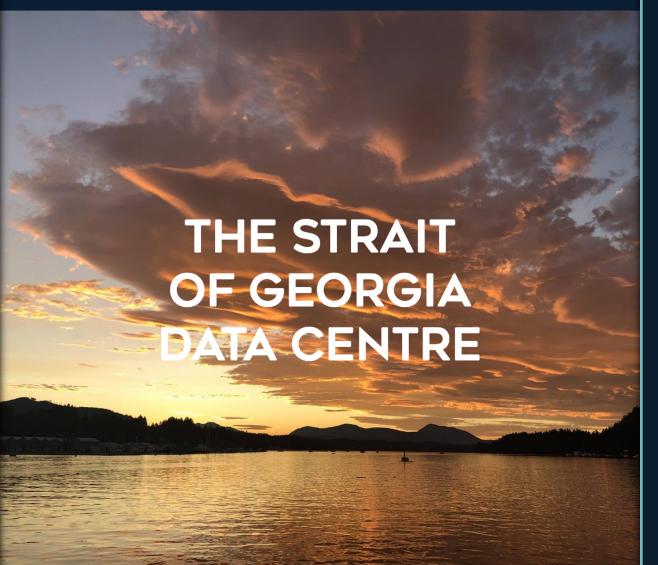
Presented at: AVICC 2024











Data Centre Objectives

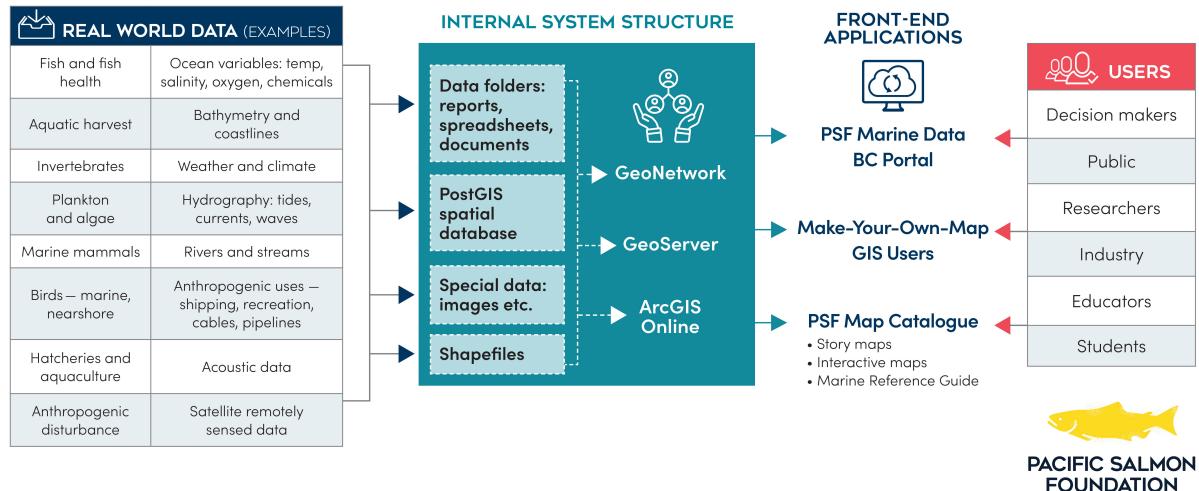
- Identify and obtain information resources relevant to the Strait of Georgia.
- House a secure archive for the data.
- Provide an open access data system.
- Provide map-based displays of the data.

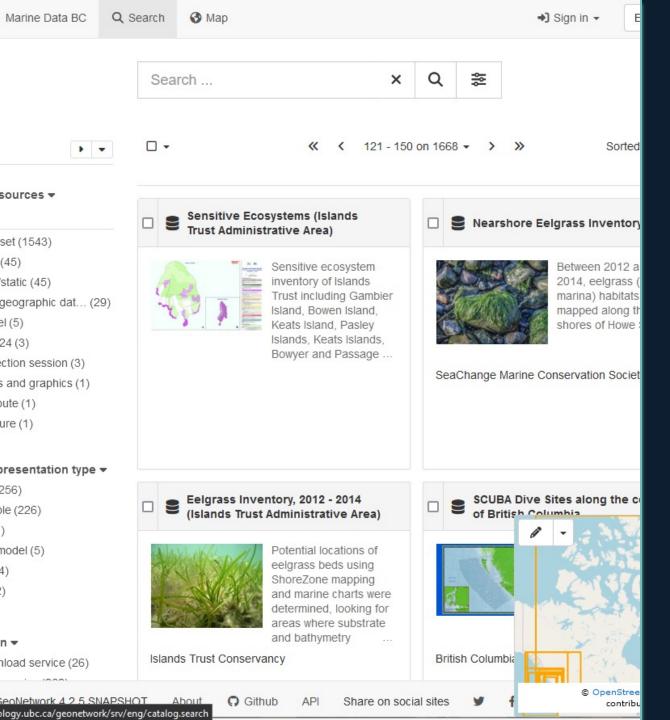






STRAIT OF GEORGIA DATA CENTRE | ROLE AND ARCHITECTURE



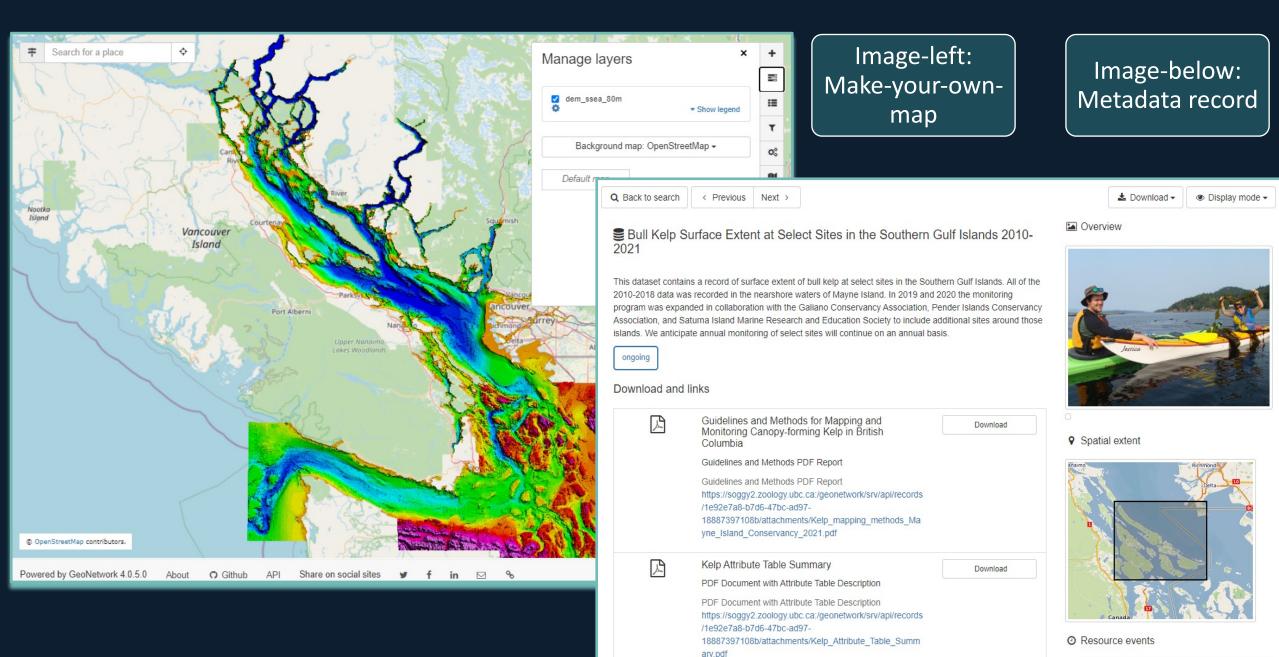


Marine Data BC Portal

- 1650+ datasets referenced within the portal.
- Either direct data downloads or linkage to the source portal.
- Provides a map tab in which you can load datasets for a visual representation.

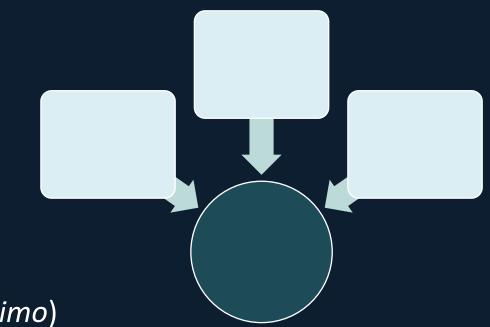


Marine Data BC Portal Cont'd



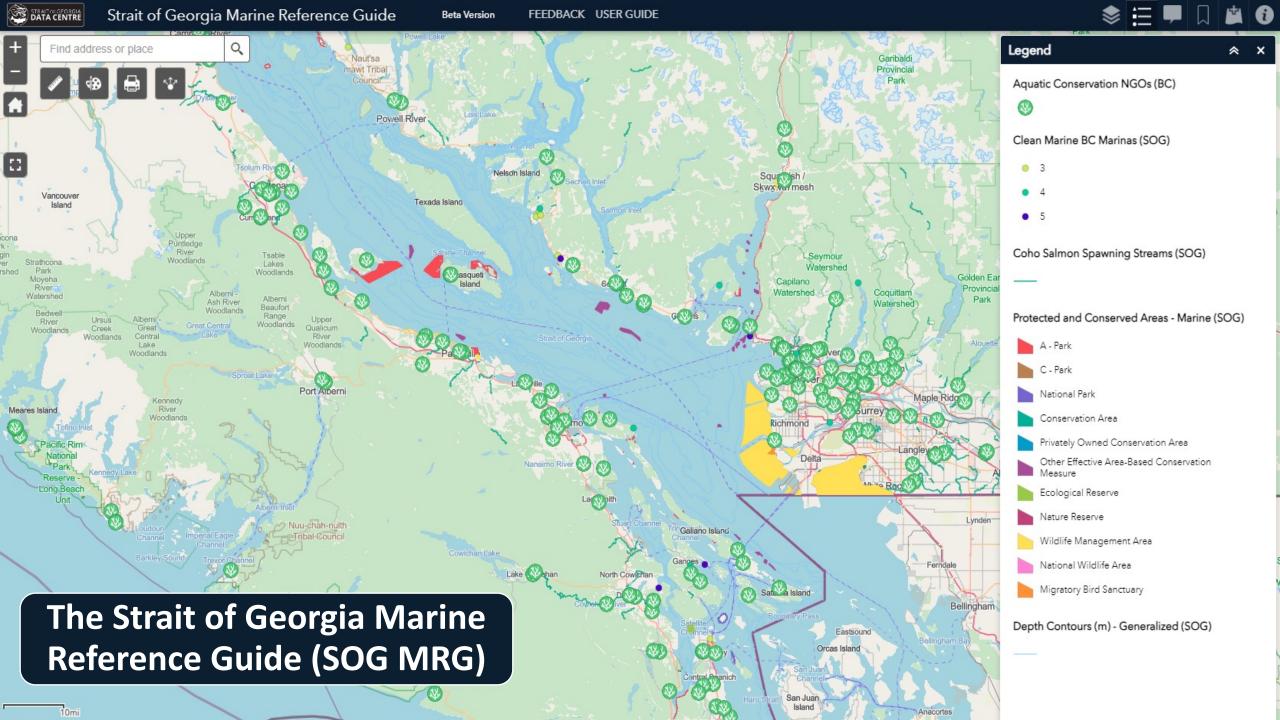
Data Sources

 Data available through the Data Centre are acquired from various sources, like:



- Municipal data portals (e.g., Zoning City of Nanaimo)
- Government of Canada Open Data Portal (e.g., Herring Spawn Events DFO)
- Non-for-profits (e.g., Hazardous Debris in Estuaries Rugged Coast Research Society)
- Province of BC Data Catalogue (e.g., Obstacles to Fish Passage)



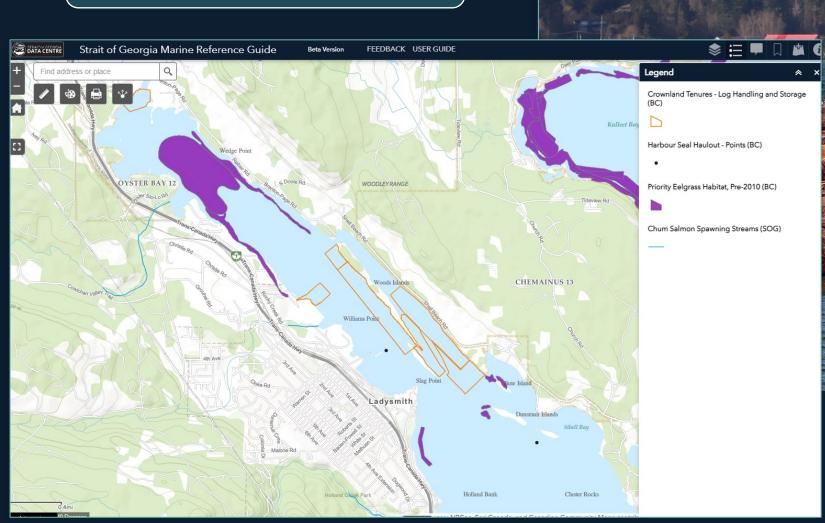


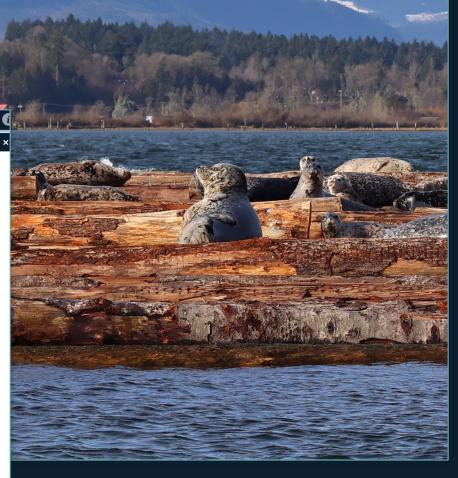
Strait of Georgia Marine Reference Guide (SOG MRG)

- An interactive map with over 450 layers of marine information.
- Visualize and compare layers to form an image of the Strait of Georgia ecosystem.
- Serves as a digital mapping library for educational & decision-making purposes.
- Data topics range from ecology to oceanography to human use.



SOG MRG – Juvenile Salmon & Nearshore Habitat



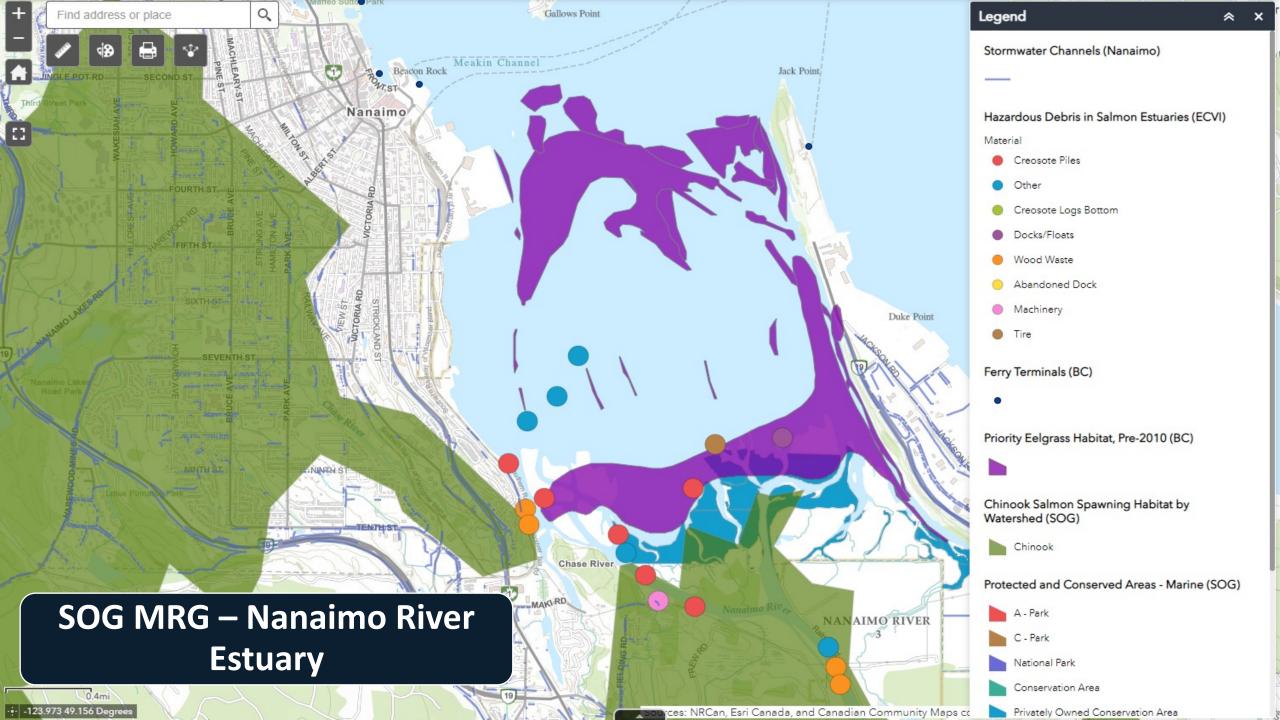


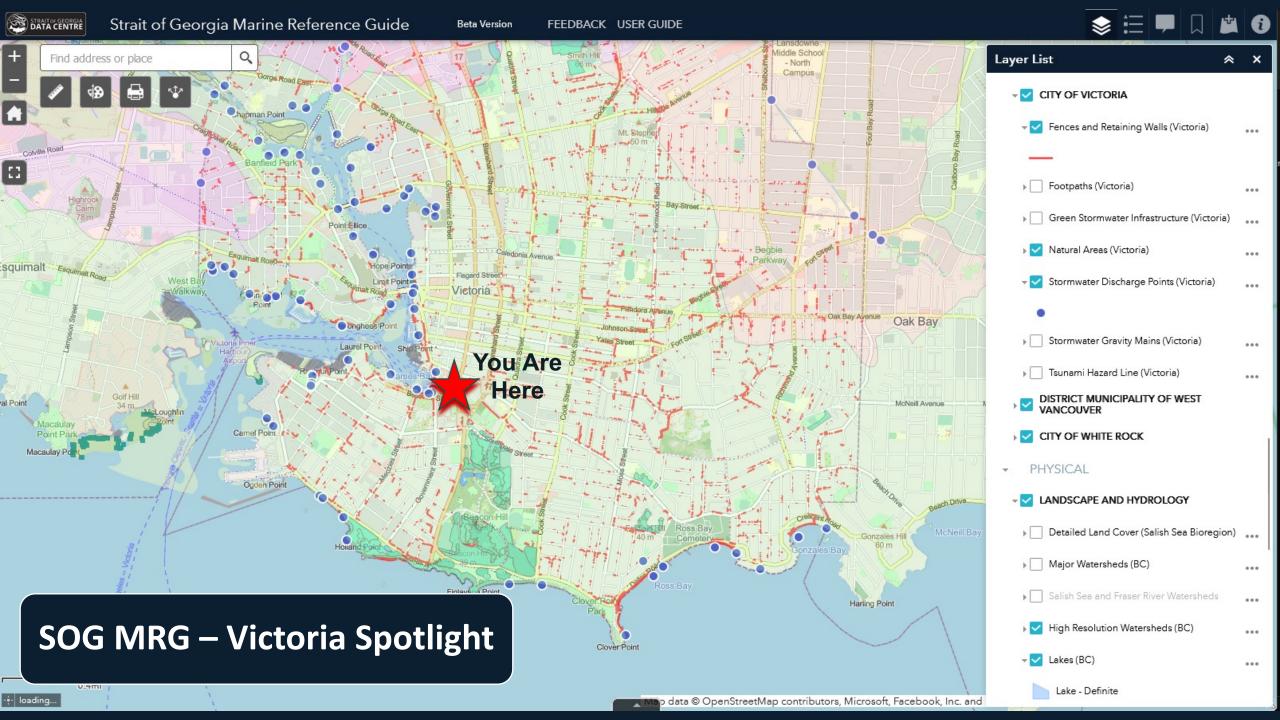


SOG MRG - Municipal Data Snapshot

Municipalities & Regional Districts in SOG MRG	Municipal & Regional District Datasets in SOG MRG
36 from around the Strait of Georgia	178 from around the Strait of Georgia
10 from Vancouver Island or the Gulf Islands	80 from Vancouver Island or the Gulf Islands

















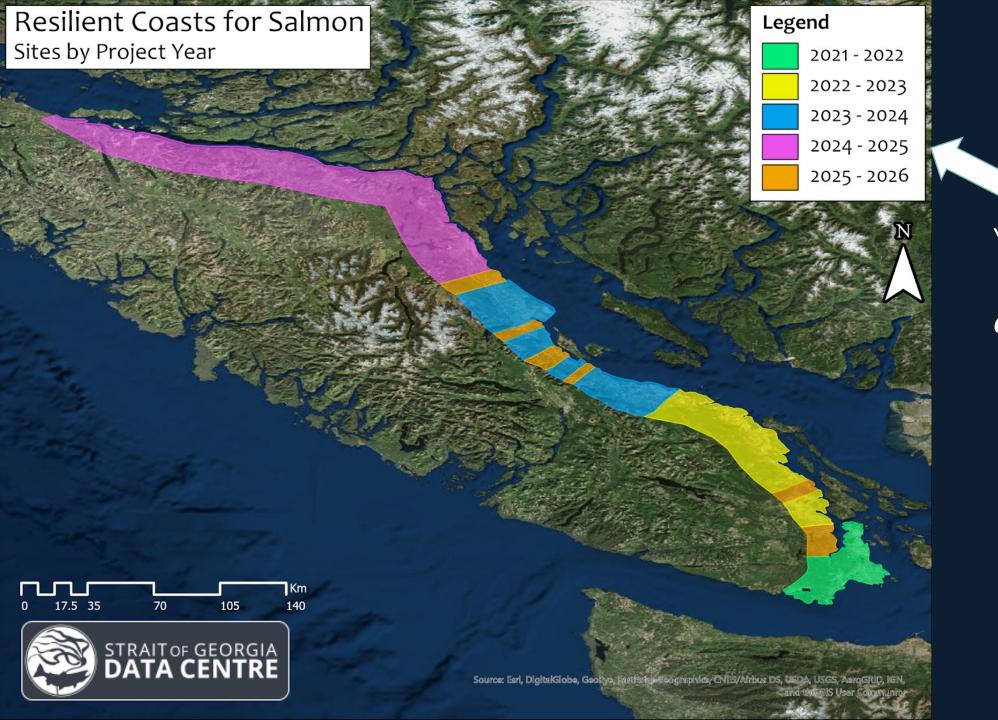
resilientcoasts.ca











Year four:

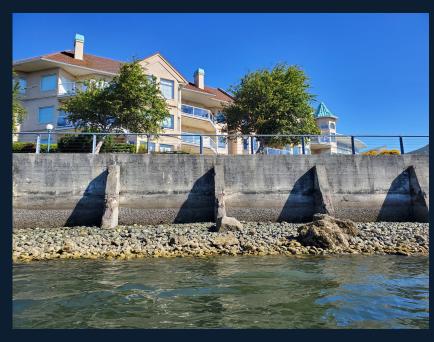
Comox to Port McNeill



Coastal modifications: seawalls, rip rap, etc.

Log accumulation on beaches

Overwater structures







Shoreline Mapping Initiative



Boat-based Mapping

- 360° camera
- High resolution camera
- Captured from Nanaimo to Comox in 2023
- Ground truthing via tender, kayak, on foot











Data Digitizing









Mapping Info Video

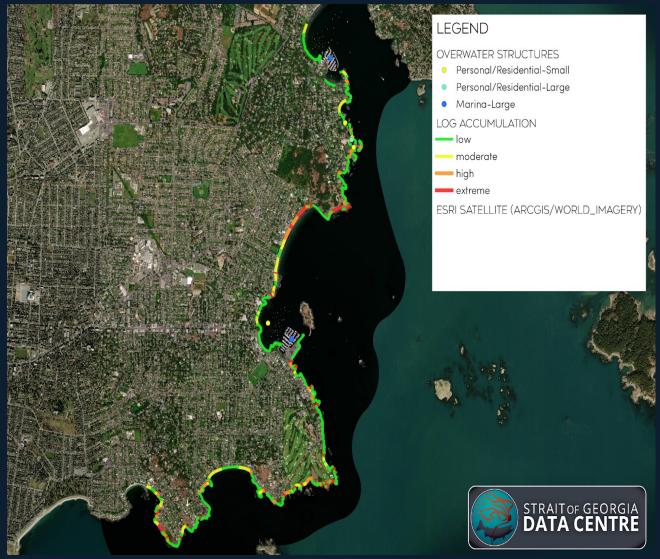








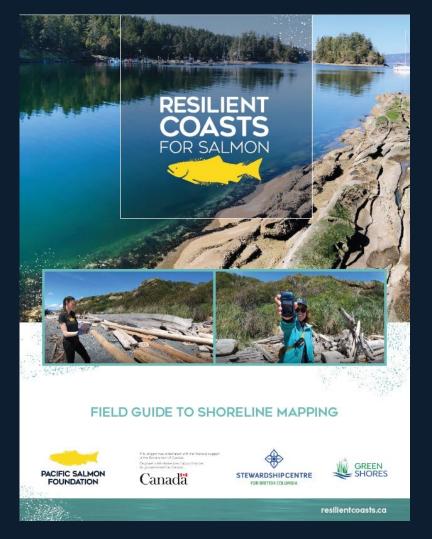
Community Reports: Oak Bay

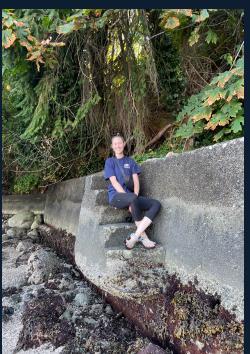






Shoreline Mapping Workshops

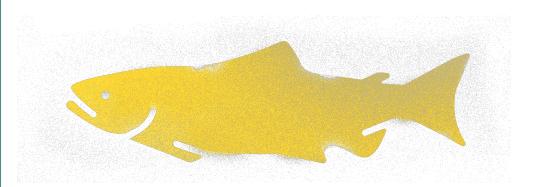












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THANK YOU

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