INFORMING RESTORATION FOR BETTER OUTCOMES IN THE FACE OF CLIMATE CHANGE AND ANTHROPOGENIC PRESSURES

DECISION SUPPORT TOOLS FOR SUCCESSFUL PACIFIC SALMON HABITAT RECOVERY



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PACIFIC SALMON FOUNDATION

THE NEED - CENTRALIZED, OPEN-ACCESS, UP-TO-DATE RESOURCES

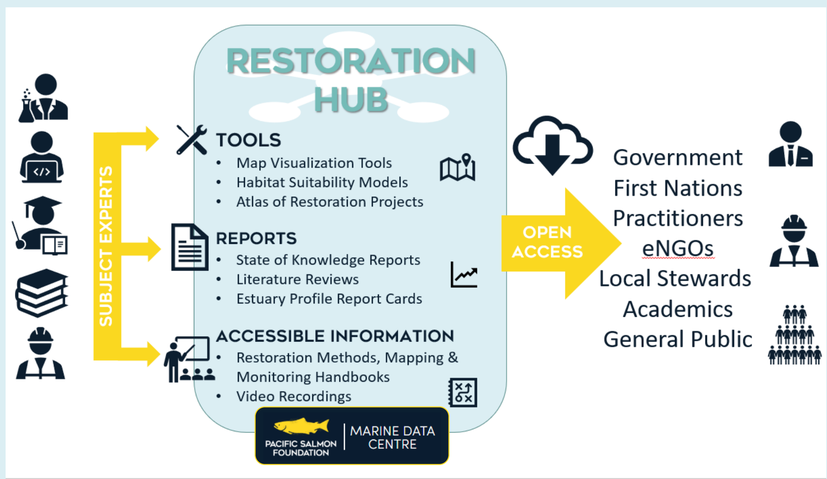


Nearshore and estuarine ecosystems are facing increasing pressures resulting in widespread habitat degradation, particularly in areas adjacent to urban centres.

As recognition of the ecological and socioeconomic value of coastal habitats such as kelp forests, eelgrass meadows, and tidal marshes grows, so too does interest in restoring these habitats.

Despite this momentum, a lack of knowledge about optimal site selection, information on the efficacy of available methodologies, appropriate strategies under worsening climate change scenarios, and guidance on priority areas for restoration often hampers the effectiveness of nearshore restoration efforts.

FILLING THAT NEED, THE RESTORATION HUB:



The Pacific Salmon Foundation is creating a Restoration Hub with the latest information and decision-support tools for restoring nearshore habitats.

New products developed by subject matter experts are freely available to support restoration practitioners. Practitioners can use these to guide restoration and achieve better outcomes

ACCESS IT NOW!

psf.ca/restorationhub

PRODUCTS IN THE HUB:

✓ State of Knowledge Documents on Kelp, Eelgrass, & Tidal Marsh

Reviews of recent literature covering stressors, restoration practices, trends in extent, and value to the broader ecosystem and communities.

✓ Practitioner Handbooks & Method Protocols

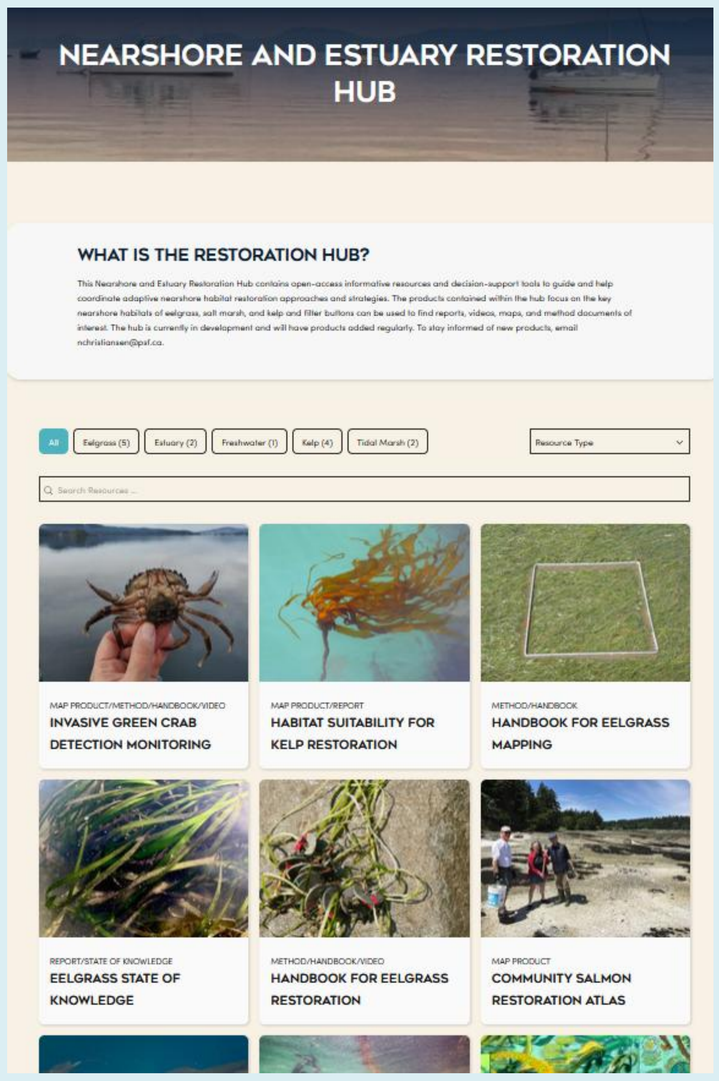
- Kelp Biobanking Protocol – *includes materials list and sources!*
- Surveying Fish in Kelp Forests – *includes protocol, webinar, and data sheets!*
- Restoration of Eelgrass Handbook – *includes demonstration video!*
- Mapping and Monitoring of Eelgrass Handbook – *includes data sheets!*
- Marsh Methods and Case Studies – *includes case studies!*
- Invasive Green Crab Detection Monitoring – *includes demonstration videos!*

✓ Habitat Maps to Inform Restoration Site Selection

- Bull Kelp Habitat Suitability in the Canadian Salish Sea
- Eelgrass Habitat Suitability for select estuaries
- Tidal Marsh Habitat Change Analysis for select estuaries

✓ And More

- Community Salmon Atlas- an interactive dashboard of salmon habitat restoration projects, with details to learn from
- Expert Talks - Recordings of invited speakers at Symposia
- Estuary Profiles – interactive dashboards of data and context for select estuaries



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Partners and collaborators include:

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