



Pacific Salmon
Strategy Initiative

Initiative de la Stratégie
relative au saumon du Pacifique



Salmon Stewardship Directorate Update Stewardship Partnerships

Salmon Enhancement & Habitat Advisory Board

February 3, 2025

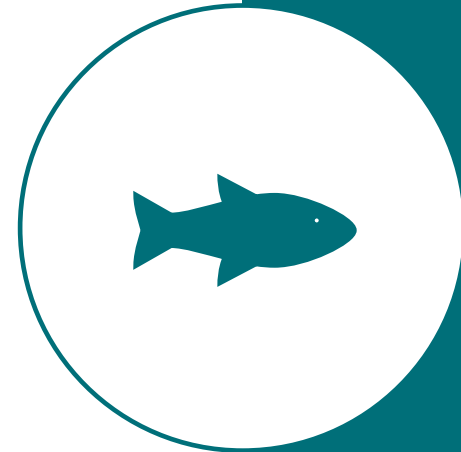
Presented by Kelly Binning



Purpose & Context

To provide brief updates from the Salmon Stewardship Directorate

- Stewardship Partnerships
- Habitat Restoration Program
- Integrated Planning for Salmon Ecosystems
- PSSI Engagement
- Questions and Discussion





Stewardship Partnerships Updates

- Stewardship Advisors are working with community partners.
 - Overall 97 activities transitioned
 - Includes 25 grants (\$168K) and 6 contribution agreements (\$483K)
 - Reminder 2024-25 grants and contribution agreement final reports are due April 30, 2025
- Upcoming negotiations for 2025-26 Grants and Contribution Agreements.
- Upcoming Community events:
 1. Earth Day, community event locations – April
 2. Great Salmon Send Off, Stoney Creek Environment Committee – Sat, May 10th
 3. River Never Sleeps, Fanny Bay Society – May 4th
 4. World Oceans Day - June
 - Community event locations include Gabriola Is., Campbell R., Prince Rupert, W. Van
- Drought Response
- StreamTalk



Collaborative Governance for Salmon Climate Emergencies

- 3G+ Salmon Event Action Support (SEAS)
- 3G Response to the 2021 Atmospheric River
- 3G Big Bar 2019 Landslide Response
- 3G Chilcotin River 2024 Landslide Response



Collaborative Response to Climate Threats

- 2023** Responded to 100+ drought threats to salmon and salmon habitat with partners
- 2024** Highlight: Enabled migration of 300,000 adult pink salmon to spawning grounds in partnership with Tsleil-Waututh Nation in North Vancouver

Habitat Restoration Program (HRP) Updates

Restoration Priorities Plan Region (version 2.0)

- Phase 3 targeted engagement on the Priorities Plan for Pacific Region is upcoming
- 2-page information poster will be shared
- 2 open engagement sessions scheduled for: **Monday, February 24, 1:30-3pm** and **Friday, February 28, 10:30-12pm**
- Versions 1.0 and 1.5 are available online at: [Phase 2 - Habitat Restoration Priorities Plan for British Columbia and Yukon | Let's Talk Pacific Salmon](#)
- To receive an invite or provide comments on Version 2.0, contact Jennifer.harding@dfo-mpo.gc.ca directly.

Habitat Restoration Projects

- DFO supports First Nations and ENGOS with technical expertise (engineers, geomorphologists, biologists) and operationally in the field, rather than leading the work ourselves.
- Do you have suggestions for community-driven habitat restoration projects that would benefit from DFO support?
- Habitat Restoration Program contacts: Jenna Sutherest, South Coast Jenna.sutherest@dfo-mpo.gc.ca; Murray Manson, Fraser and Interior Murray.manson@dfo-mpo.gc.ca;
- HRP [Operational Fund Year-End Report: 2023-24](#).

Habitat Restoration Program Updates Con't

Salmon Habitat Restoration Knowledge Exchange Series

- Workshop Series No. 7: “Large Wood Applications in River Restoration” to be hosted by PSF, with funding and collaborative support from DFO
- Virtual workshop will bring together experts to present the latest science on wood dynamics and processes in rivers, as well as effective strategies for designing and implementing large wood restoration projects.
- February 13th, 2025- 9:00am – 3:30pm PST; Online registration: [Webinar Registration – Zoom](#)
- Website: [Knowledge Exchange Workshop Series | Pacific Salmon Foundation](#)

Technical bulletins

- The Technical Bulletin series goal is to disseminate technical information, workflows and instructions relevant to restoration practitioners
- No. 1: [Estimating surface flow velocity in river channels using high resolution drone videos: large-scale particle image velocimetry \(LSPIV\)](#)
- No. 2: [Eelgrass restoration using Buoy Deployed Seeding \(BuDS\)](#)
- No. 3: Solar-powered drip irrigation system (draft in review)



Integrated Planning for Salmon Ecosystems (IPSE) Updates

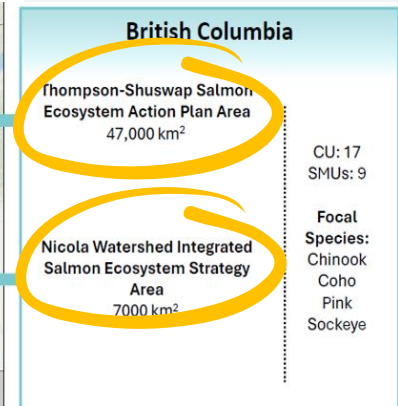
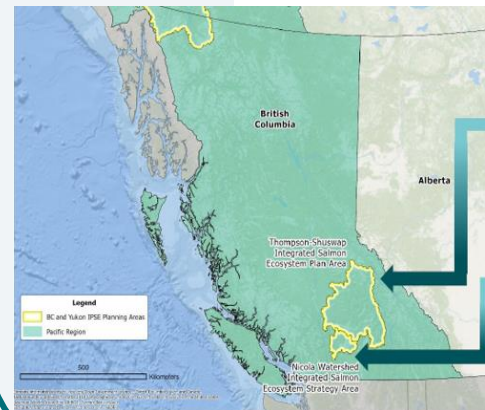
- Progressing the development of Salmon Ecosystem Plans in the Nicola, Thompson-Shuswap, and Yukon River via the respective steering committees
- Workshops are being planned for all three areas in March and April.
- DFO contact:

Chantelle Caron
Chantelle.caron@dfo-mpo.gc.ca
Integrated Salmon Ecosystem Planning
RHQ Vancouver



Integrated Planning for Salmon Ecosystems - Focus on Strategic Actions to Benefit Salmon Habitat

- Multi-jurisdiction, ecosystem-based planning approach informed by Indigenous and local knowledge and science
- Prioritizing short-, mid-, and long-term actions to restore and/or protect salmon habitat and mitigate impacts



DFO PACIFIC REGION SCIENCE BULLETIN



DFO Science Bulletin: New Research and Monitoring for Pacific Salmon and Their Ecosystems 2024

- This newly published Science bulletin provides an overview of assessments, research, and monitoring for Pacific salmon and their ecosystems that have recently been initiated by Fisheries and Oceans Canada's (DFO) Pacific Region Science Branch. These projects are being led by DFO Science with funds from the Pacific Salmon Strategy Initiative (PSSI) to inform hatchery modernization, harvest transformation, and an improved understanding of salmon ecosystems
- Link to publication: [DFO Pacific Region Science Bulletin, 2024](#)
- Feedback on the Science bulletin is welcomed, and contacts are listed through the bulletin. For general feedback please contact Cory.lagasse@dfo-mpo.gc.ca



Building capacity and working with partners to achieve better outcomes for Pacific salmon

Working
together
under PSSI

New Trilateral Accord to address the decline of Wild Pacific Salmon to coordinate and align conservation and restoration efforts to improve outcomes for Pacific salmon

New relationship with BC First Nations, DFO and Province of BC

The **Indigenous Salmon Stewardship Partnership Program** is funding Salmon Biologists, Guardians and Project Lead positions to support First Nation communities

Better understanding of ways to adapt Pacific salmon to a changing climate, through **\$8.6M to date in new and expanded climate research investments** to address impacts to salmon populations

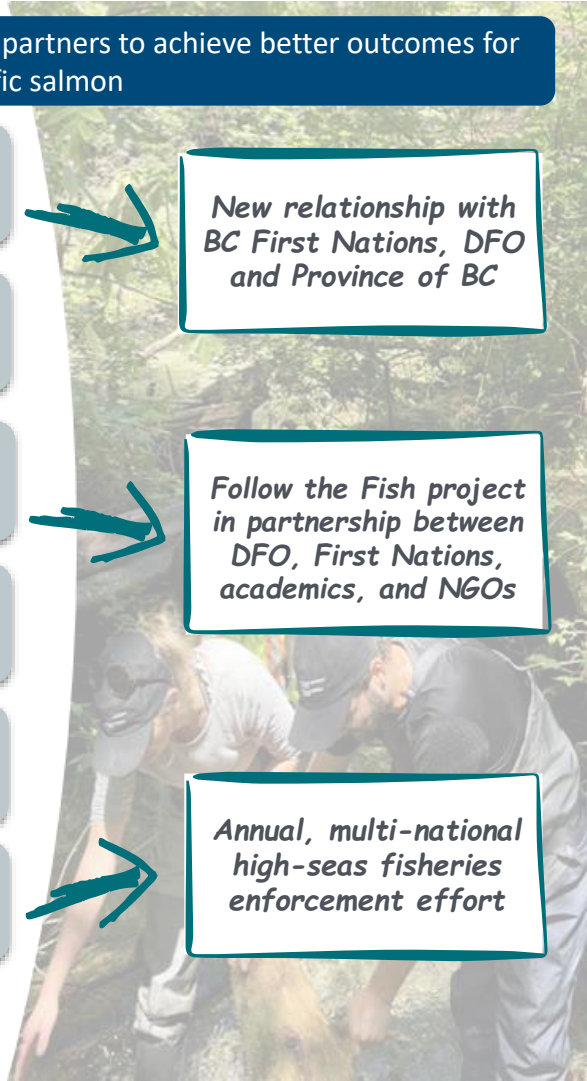
Follow the Fish project in partnership between DFO, First Nations, academics, and NGOs

Testing (Alpha) version of new DFO Salmon Data Portal launched to support public accessibility of DFO salmon data

Field operations conducted to improve our understanding of salmon ecosystems, effects of climate change and other stressors on salmon; **46 conducted in partnership with First Nations**

Annual, multi-national high-seas fisheries enforcement effort

The first Canadian-led high seas patrol, **Operation North Pacific Guard**, undertaken in 2023 to detect and deter illegal, unreported, and unregulated (IUU) fishing in the North Pacific





Featured PSSI Stories

Learn about some of the key activities we have supported through PSSI on our website.

Pacific Salmon Strategy Initiative featured stories

Tangible examples of solutions and collaborative actions undertaken through the Pacific Salmon Strategy Initiative to support Pacific salmon for the long term.

Latest stories



[Working together to protect Pacific salmon impacted by drought in 2024](#)

November 2024

[Read more >](#)



[Historic Trilateral Accord signed to save wild Pacific salmon](#)

August 2024

[Read more >](#)

All stories

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Showing 1 to 5 of 30 entries | Show 5 entries

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[Restoring salmon habitat: river restoration, Merritt, B.C.](#)

Video

2024-11

Conservation and stewardship



[Restoring salmon habitat promotes the long-term health of Pacific salmon populations](#)

Story

2024-11

Conservation and stewardship



Story

2024-10

Conservation and stewardship



What are your thoughts and perspectives on both the immediate and longer-term work DFO is doing under the PSSI to address declines of Pacific salmon?

1. What is going well? For example, as it relates to salmon stewardship, including habitat restoration and monitoring?
2. What kinds of collaborative salmon work should the Department focus on going forward?
3. Where can we be a better partner?
4. Are there opportunities for partners to lead with support from DFO (where resources and tools allow)?
5. How best to bring awareness to the at the community level?(e.g newsletters, social media, website etc.)

