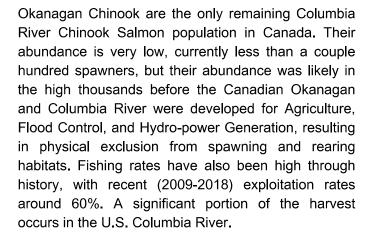
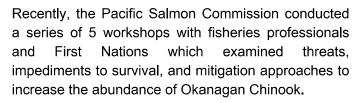
Graduate Research into 1) habitat use by juvenile Chinook Salmon in the Canadian Okanagan River and Lake system and 2) predation on juvenile salmon in the Canadian Okanagan River and Lake system

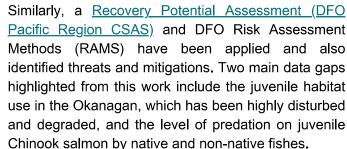






COSEWIC has identified this single river Designatable Unit as ENGANGERED, and it is currently undergoing review for listing under the Species at Risk Act. Additionally, this stock is part of Batch 1 for the Fish Stock Provisions under the Fisheries Act. Rebuilding the abundance of Okanagan Chinook is a priority for First Nations and local, provincial, and national fisheries agencies on both sides of the boarder.





Take-aways

- Okanagan Chinook are endangered due to habitat destruction and over-fishing.
- Juvenile Chinook habitat use and risk from predators has not been well studied and may be key factors regarding climate change, invasive species, and restoration efforts.
- This population study hires graduate students to research juvenile Okanagan Chinook and track survival through tagging.

To enable rebuilding, it will be essential to have information on habitat use and to understand the threat posed by predation. The use of graduate students will allow for targeted and timely research while building capacity and knowledge for when the students enter the workforce.

Timeline

- ✓ March 2024: Hire two grad students
- √ June 2024: Progress report
- Nov 2024: Progress report post field season to determine the success of the field season and layout the data analysis steps
- March 2025: Completion report will describe the progress, initial results from the data analysis and layout next steps to get to publication.



DFO Science Division

Stock Assessment and Research

DFO Science Section

Fraser and Interior Area Salmon Stock Assessment

Project Leads

Lauren Weir

Collaborations

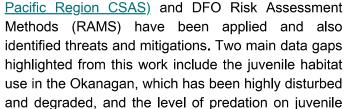
Okanagan Nation Alliance

Locations

Okanagan River Columbia

Species

Chinook





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Enumeration