



POLLUTION IMPACT ASSESSMENT AND ENVIRONMENTAL MONITORING IN SHELLFISH AREAS

Canada-Chile Agreement on
Environmental Cooperation
11th Work Program



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CANADIAN SHELLFISH SANITATION PROGRAM (CSSP)

- Federal inter-departmental food safety program for bivalve molluscan shellfish (clams, oysters, mussels, scallops)
 - CSSP dates from a 1948 agreement with the United States on shellfish sanitation and export
 - Current MoU between CFIA, DFO and ECCC
 - CFIA is program lead, responsible for regulating shellfish processors and shippers, monitoring harvest areas for biotoxins
 - DFO is responsible for harvest area regulation, enforcement, aquaculture, resource management
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CANADIAN SHELLFISH SANITATION PROGRAM (CSSP)

- ECCC has been involved in the CSSP since the creation of the department
 - ECCC's primary role is to recommend the classification of shellfish harvest areas to DFO and CFIA for regulatory implementation. It does so by:
 - identifying and assessing sanitary pollution sources in coastal areas
 - Monitoring bacteriological marine water quality
 - Related to ECCC's Fisheries Act responsibilities
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CSSP AUDIT OF CHILEAN PSMB - 2018



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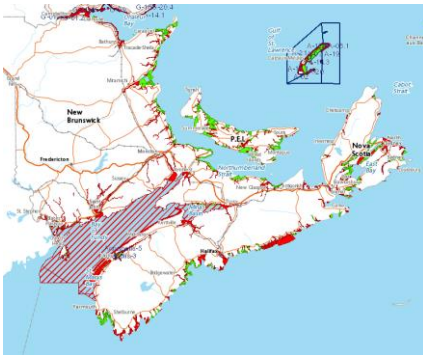
CSSP AUDIT OF THE CHILEAN PSMB



- In 2018, Canada audited the Chilean *Programa de Sanidad de Moluscos Bivalvos (PSMB)*
 - The PSMB was found to provide equivalent protection as the CSSP to shellfish consumers
 - ECCC participated in the 2018 audit to evaluate the pollution source identification and impact assessment components of the PSMB
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CSSP AUDIT OF THE CHILEAN PSMB

Three of the findings of the evaluation were:



1. Canada consider the PSMB system of certified 3rd-party environmental samplers and pollution source surveyors as a model for application in the CSSP
2. Chile consider Canada's use of an emergency response system to close shellfish areas impacted by significant weather events (e.g. hurricanes, extreme rainfall)
3. Chile consider Canada's system for assessing the impacts that municipal wastewater systems have on marine shellfish harvesting

CANADA-CHILE AGREEMENT WORKPLAN PROJECT

- *Pollution Impact Assessment and Environmental Monitoring in Shellfish Areas*
 - Joint project of ECCCC's Shellfish Water Classification Program (SWCP) and Servicio Nacional de Pesca y Acuicultura (SERNAPESCA)
 - Aligns with the Workplan's Environmental Impact Assessment theme
 - The project builds on the relationship between SERNAPESCA and ECCCC originating from the 2018 audit
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CANADA-CHILE AGREEMENT WORKPLAN PROJECT

- ECCC delegation will travel to Chile next week to meet with SERNAPESCA and certified sampling entities to learn more about the system and see it in action
 - SERNAPESCA delegation will visit Canada in 2021 to learn more about CSSP system of emergency closures and wastewater system assessments
 - Lessons learned will inform further development of ECCC's Alternative Service Delivery (ASD) initiative with respect to 3rd-party and community-based monitoring
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THANK YOU FOR YOUR ATTENTION

ANY QUESTIONS?

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