



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

FEDERAL CONTAMINATED SITES MANAGEMENT

Engagement with Nations in the Quebec-Labrador Region

FCSAP Secretariat
March 14, 2023



Environment and Climate Change Canada's 50th anniversary
50^e anniversaire d'Environnement et Changement climatique Canada

Meteorological Service of Canada's 150th anniversary
150^e anniversaire du Service météorologique du Canada

Canada 

PRESENTATION OUTLINE

- **Purpose & Objectives**
- **Introduction to Contaminated Sites**
- **Federal Contaminated Site Programs in Canada**
- **What is the Federal Contaminated Sites Action Plan?**
 - **Progress to date (Phases I to IV)**
 - **Program renewal (Phases V, VI)**
 - **Collaboration with partners**
- **Federal Sites in Quebec-Labrador Region**
 - **Additional information**



PURPOSE OF ENGAGEMENT

PURPOSE:

To carry out meaningful engagement in determining how Indigenous governments can be further involved in the:

- *Management of federal contaminated sites;*
- *Federal program delivery process, and*
- *Prioritization of sites to better support their communities.*



ENGAGEMENT OBJECTIVES

To gain insight from First Nations, Inuit and Métis Peoples on:

- 1) *Identifying priorities & gaps related to the management of federal contaminated sites;*
- 2) *How to become further involved in the contaminated sites prioritization & delivery process;*
- 3) *Identifying information, training and tools to assist communities in actively participating in the management of federal contaminated sites; and*
- 4) *The inclusion of other voices throughout all phases of engagement.*



WHAT IS A FEDERAL CONTAMINATED SITE?

According to the definition adopted by the Government of Canada, a contaminated site is defined as a site at which substances occur at concentrations:

- 1) above background levels and pose or are likely to pose an immediate or long-term hazard to human health or the environment, or
- 2) exceeding levels specified in policies and regulations.

What are federal contaminated sites?

- On lands owned or leased by the federal government
- On non-federal lands for which the gov't has accepted responsibility



FEDERAL CONTAMINATED SITE PROGRAMS IN CANADA

The 3 main programs that support & fund the clean-up of federal contaminated sites across Canada are:

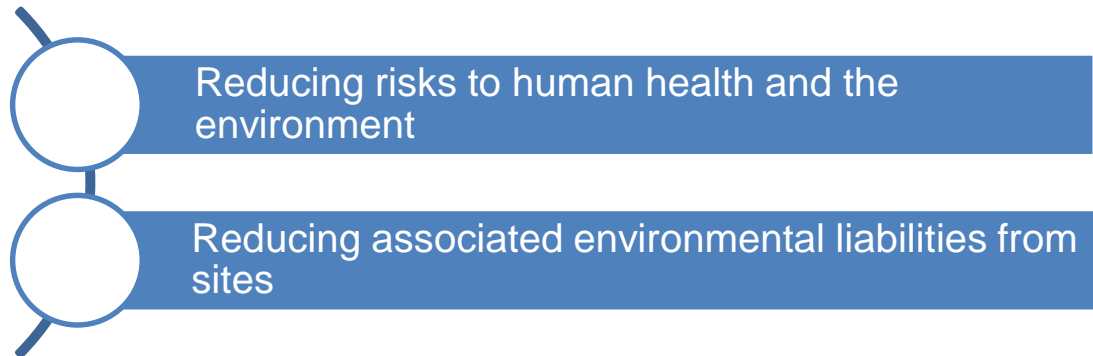
- Federal Contaminated Sites Action Plan **(FCSAP)**
- Contaminated Sites On-Reserve Program **(CSOR)**
- Northern Contaminated Sites Program **(NCSP)**



WHAT IS THE FEDERAL CONTAMINATED SITES ACTION PLAN (FCSAP)

- Established by the Government of Canada in 2005, **FCSAP** provides funding to federal departments, agencies and consolidated Crown corporations (referred to as custodians) to manage the contaminated sites they are responsible for.

FCSAP Objectives

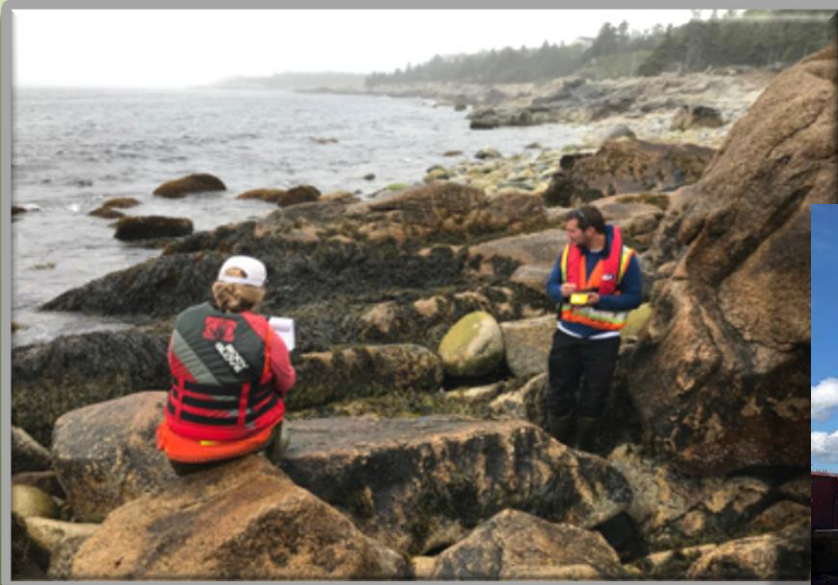


- FCSAP uses a standardized approach to examine risks to human health and the environment to prioritize sites for action
 - ❖ **Class 1 sites (high priority for action)**
 - ❖ **Class 2 sites (medium priority for action)**
 - ❖ **Class 3 sites (low priority for action)**



FCSAP PROGRAM

SITE APPROACH



FCSAP 10-STEP PROCESS

Step 1: Identify Suspect Site

Step 2: Historical Review (Phase I ESA)

Step 3: Initial Testing (Phase II ESA)

Step 4: Classify Site (Optional)

Step 5: Detailed Testing (Phase III ESA)

Step 6: Reclassify Site

Step 7: Develop Remediation/Risk Management Strategy

Step 8: Implement Remediation/Risk Management Strategy

Step 9: Confirmatory Sampling and Final Report

Step 10: Long-Term Monitoring

Assessment Phase



Remediation Phase



FEDERAL CONTAMINATED SITES INVENTORY (FCSI)

The federal government keeps an inventory of federal contaminated sites; this inventory is:

- Publicly available
- Updated annually
- Accessible at: <https://www.tbs-sct.gc.ca/fcsi-rscf/home-accueil-eng.aspx>



ACHIEVEMENTS TO DATE

After 17 years of FCSAP (2005-2022)

\$5.0 billion investment

- World-class contaminated sites management industry in Canada

2,600 sites with remediation

- 1,800 fully remediated

Skills development and job training

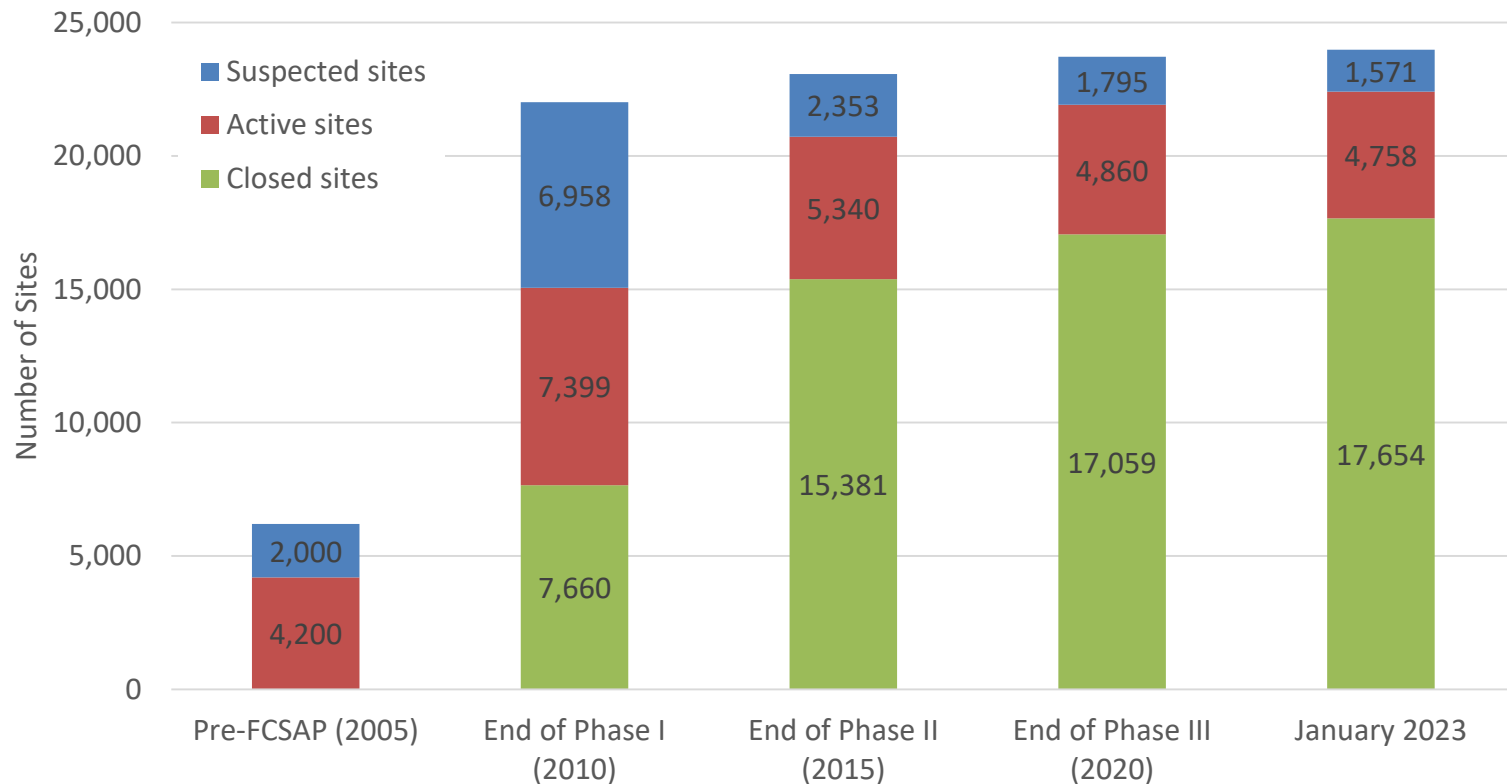
- 24,800 direct jobs; \$2.3 billion spent in Canada's North

Science development

- 88 environmental quality guidelines, technical guidance, tools



PROGRESS ON FEDERAL INVENTORY OF SITES (2005-2022)



FCSAP PROGRAM RENEWAL 15 YEARS (2020-2035)

- Program renewed for another 15 years (2020-2035)
- Divided in three 5-year phases (IV, V and VI)
- Phase IV (2020-2025) with a Budget of \$1.16B



FCSAP PHASE IV (2020-2025)

WHAT'S NEW?

- **Expanded Site Eligibility Criteria:**
 - Class 2 & 3 sites on reserve lands or impacting Indigenous communities in the North
- **Federal sites that have been contaminated *after 1998* are now eligible for FCSAP remediation funding if:**
 - they are located on First Nations reserves or impacting Indigenous communities in the North
 - they are being transferred by federal custodians to Indigenous Services Canada for addition to First Nations reserves
 - they have been or will be inherited by the government as the “custodian of last resort”



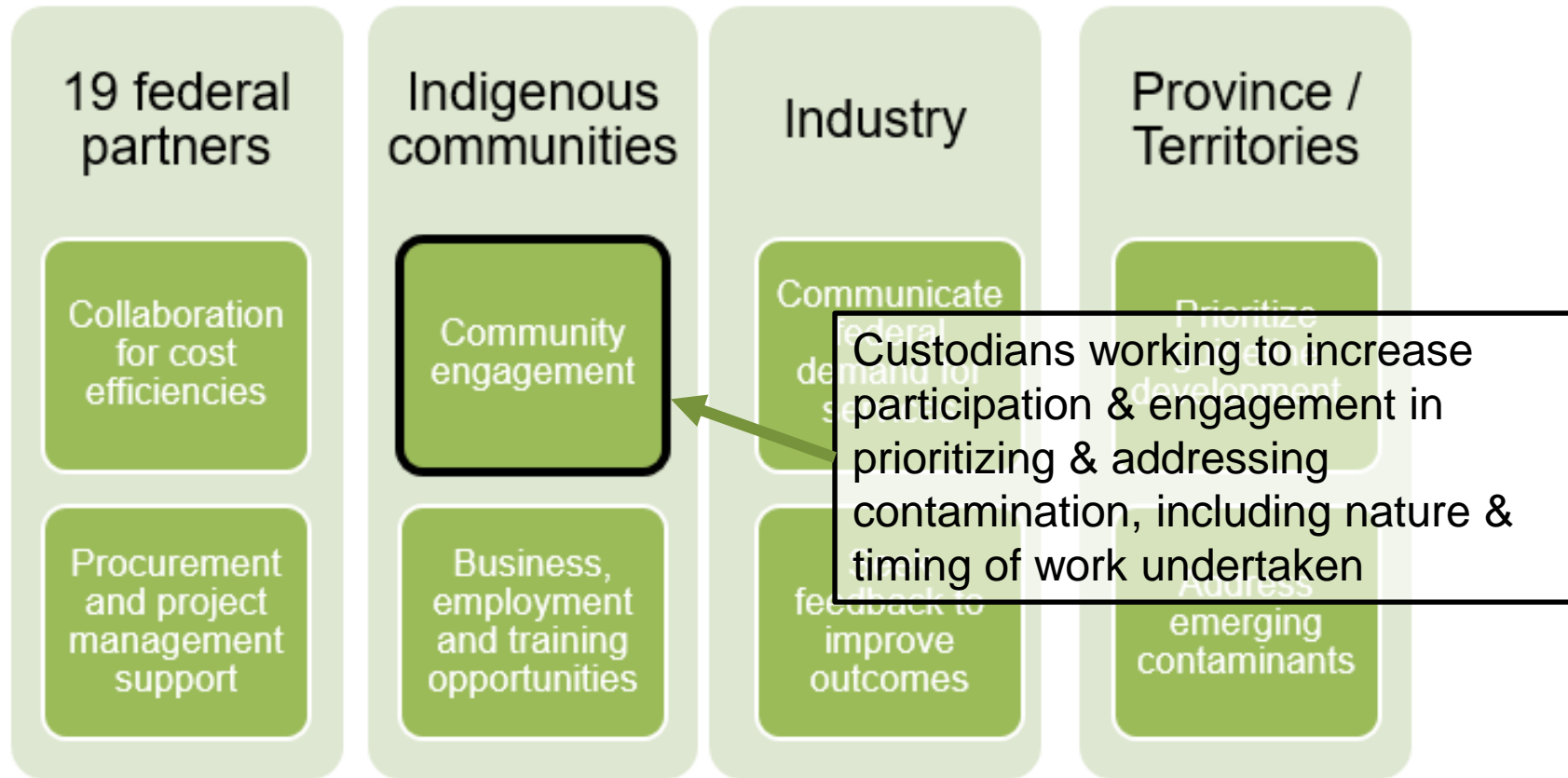
FCSAP PHASE IV (2020-2025) PRIORITIZATION CRITERIA

Custodians are required to prioritize their FCSAP funding to:

- 1) **Class 1 sites & ongoing Class 2 sites** (sites with remediation expenditures prior to April 1, 2020)
- 2) **New Class 2 & Class 3 sites**, if:
 - they are located on First Nations reserves or impacting Indigenous communities in the North
 - they can be bundled with a Class 1 or ongoing Class 2 site

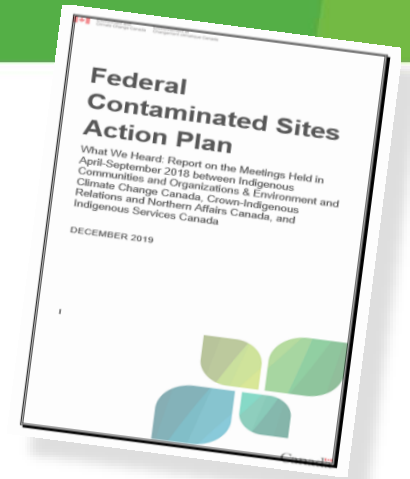


COLLABORATION WITH INDIGENOUS COMMUNITIES & STAKEHOLDERS



FCSAP INDIGENOUS COMMUNITY ENGAGEMENT

- **2018 Engagement Sessions**
 - Preparing for Phase IV
- **2019 What We Heard Report**
 - **Recommendations**
 - Improved information sharing & regular updates
 - More direct involvement in all aspects & stages of the remediation process
 - Accelerate clean-up of sites in Indigenous communities
 - Increased socio-economic benefits and participation
 - Clarification of federal, provincial/territorial and municipal roles & coordination at non-federal sites
 - Prevent future contamination events
 - **Implementation Measures**
 - ✓ Increased local engagement with Indigenous groups in prioritizing sites on reserve lands & northern communities
 - ✓ Expansion of site eligibility & prioritization of Class 2 and 3 sites
 - ✓ Strengthen coordination efforts where federal sites intersect with those of other parties
 - ✓ On separate track, ISC & ECCC have been engaging with First Nations to identify a path forward on addressing the environmental protection gap on First Nation reserve lands
- **2020/21 & Beyond: Follow-up & Outreach Sessions, 2023 Engagement**



FCSAP INDIGENOUS ENGAGEMENT STRATEGY

- **2022 FCSAP Engagement Guidance**

- Based on recommendations and lessons learned from the 2018 What We Heard Report
- Focuses on identifying priorities and bridging gaps in the management of federal contaminated sites that impact Indigenous groups in Canada

- **GOC Mandate Letter Commitment**

- *“Identify, and prioritize the clean-up of, contaminated sites in areas where Indigenous Peoples, racialized and low-income Canadians live”.*
- Improved collaboration and engagement with Indigenous partners will help shape the program to address this commitment.



QUEBEC-LABRADOR REGION

FEDERAL CONTAMINATED SITES



PAST FCSAP INVESTMENTS (2005-2022)

	Quebec	Labrador	Nunatsiavut	Nunavik
Investments	\$234M	\$145M	\$2.5M	\$2.5M
Assessment Sites (AS)	912	163	54	38
Remediation Sites (RS)	351	43	7	3
(AS) Closed or Fully Assessed	701	156	52	18
(RS) Closed or Fully Remediated	244	37	7	2



FUTURE PLANNED FCSAP INVESTMENTS (2023-2025)

	Quebec	Labrador	Nunatsiavut	Nunavik
Investments	\$77M	\$9M	\$0.7M	\$1.4M
Assessment Sites (AS)	10	0	0	0
Remediation Sites (RS)	166	19	3	4
(AS) Closed or Fully Assessed	6	0	0	0
(RS) Closed or Fully Remediated	87	9	2	0



FEDERAL CONTAMINATED SITES & CUSTODIANS

Federal Contaminated Sites	Quebec	Labrador	Nunatsiavut	Nunavik
Suspected	114	10	2	14
Active	856	58	16	37
Closed	1,515	292	105	42
Total Sites	2,485	360	123	93

Custodians with Sites	Quebec	Labrador	Nunatsiavut	Nunavik
Fisheries and Oceans Canada (DFO),	1,389	232	98	64
Indigenous Services Canada (ISC),	214	0	0	7
National Defence (DND),	287	31	10	1
Transport Canada (TC),	158	25	1	13
Environment and Climate Change Canada (ECCC),	0	14	1	7
Royal Canadian Mounted Police (RCMP),	0	49	10	0
Natural Resources Canada (NRCan)	0	0	0	1
Parks Canada Agency (PCA),	117	0	3	0
Other Custodians	320	9	0	0



QUEBEC-LABRADOR REGION

CASE STUDIES



CASE STUDY - GOOSE BAY REMEDIATION PROJECT

Location: 5 Wing Goose Bay, Happy Valley-Goose Bay, Newfoundland and Labrador
Custodian: Department of National Defense (DND)

In 2009, DND launched the Goose Bay Remediation Project to reduce potential risks to human health and the environment posed by contamination at the base. Most of the contamination was attributed to the past handling and storage of various substances over decades of military activities.

Since 2004, the Goose Bay Remediation Project has engaged stakeholders in discussions about the causes, effects and remediation of the contamination at Goose Bay. Participants in these discussions included local residents; Indigenous groups (Innu, Métis and Inuit); local environmental organizations; regional, national and international industry representatives and science and engineering experts; and all levels of government.

Source: FCSAP Annual Report 2019 - 2020

https://publications.gc.ca/collections/collection_2022/eccc/En1-43-2020-eng.pdf



TRAINING WORKSHOP CASE STUDY

Location: Wendake, Quebec

Custodian: Indigenous Services Canada (ISC)

- On May 17, 2022, the First Nations of Quebec and Labrador Sustainable Development Institute (FNQLSDI), in collaboration with Indigenous Services Canada (ISC), held a "Training Workshop - Contaminated Sites, Spills and the Impact Assessment Act" in the community of Wendake;
- It was a privileged opportunity to discuss with Indigenous communities and organizations on environmental issues related to contaminated sites.
- Environment and Climate Change Canada (ECCC) and Health Canada (HC) were invited to present:
 - "The ABC's of Environmental Contamination: Phase I to Phase III" on the main steps in assessing a contaminated site and the different sources of contamination, and
 - "Overview of the Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations" summarizing the purpose, scope and key requirements of the regulations.
- 23 Indigenous communities or organizations attended;



QUESTIONS





THANK YOU!

**IF YOU HAVE ANY QUESTIONS, PLEASE
CONTACT THE ECCC FCSAP SECRETARIAT**

AT:

FCSAP.PASCF@EC.GC.CA



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Meteorological Service of Canada's 150th anniversary
150^e anniversaire du Service météorologique du Canada

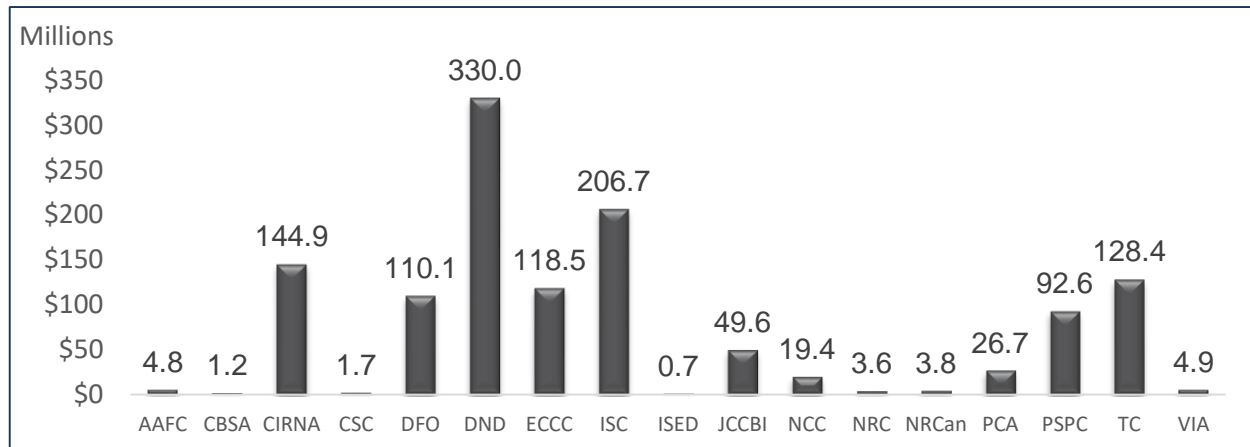
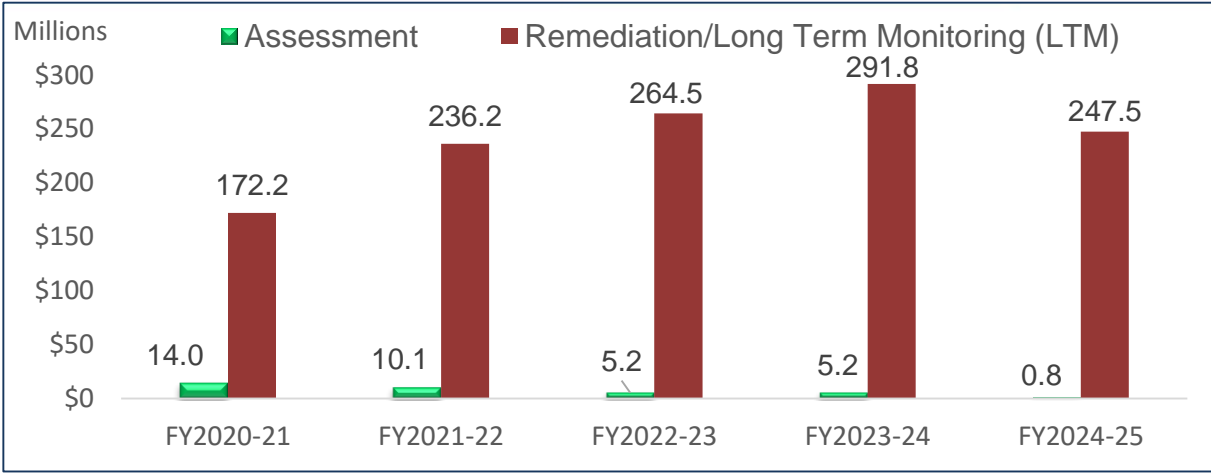
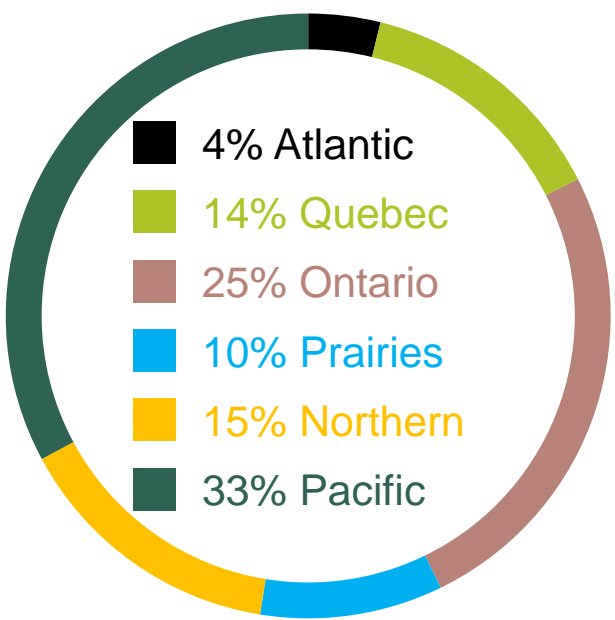
Canada 

ANNEX



NATIONAL OVERVIEW OF FCSAP PHASE IV FUNDING

\$1.2B	306	1275
Funding	Assessment Sites	Remediation & LTM Sites



Source: FCSAP Secretariat (April 2020)



FEDERAL CONTAMINATED SITES INVENTORY

The federal government keeps an inventory of federal contaminated sites; this inventory is:

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- Updated annually
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FCSI now has **23,983 sites** on it (as of January 2023). These include:

- **4,758 sites** that are being **actively** assessed or remediated;
- **1,571 sites** where contamination is only **suspected** but assessments have not begun;
- **17,654 sites** that have been **closed** after remediation was completed or after assessments found that there were no elevated risks.



FCSAP PHASE IV (2020-2025) FEDERALLY FUNDED SITES

- **Funded Sites in Phase IV:**
<https://www.canada.ca/en/environment-climate-change/services/federal-contaminated-sites/action-plan.html>

