



Environment and  
Climate Change Canada

Environnement et  
Changement climatique Canada

# FEDERAL CONTAMINATED SITES MANAGEMENT

## Engagement with Nations Across Canada (S60)

FCSAP Secretariat  
April 12<sup>th</sup>, 2023



Environment and Climate Change Canada's 50<sup>th</sup> anniversary  
50<sup>e</sup> anniversaire d'Environnement et Changement climatique Canada

Meteorological Service of Canada's 150<sup>th</sup> anniversary  
150<sup>e</sup> 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 Across Canada
- 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:**

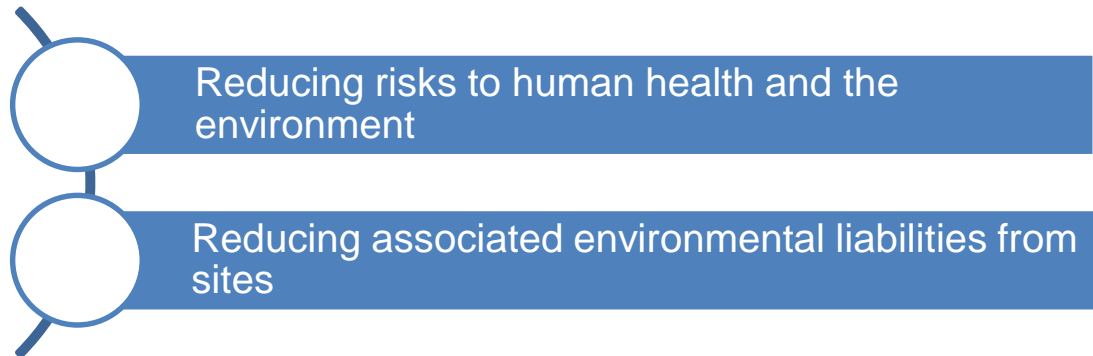
- Federal Contaminated Sites Action Plan **(FCSAP)**
- Contaminated Sites On-Reserve Program **(CSOR)**
- Northern Contaminated Sites Program **(NCSP)**



# 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

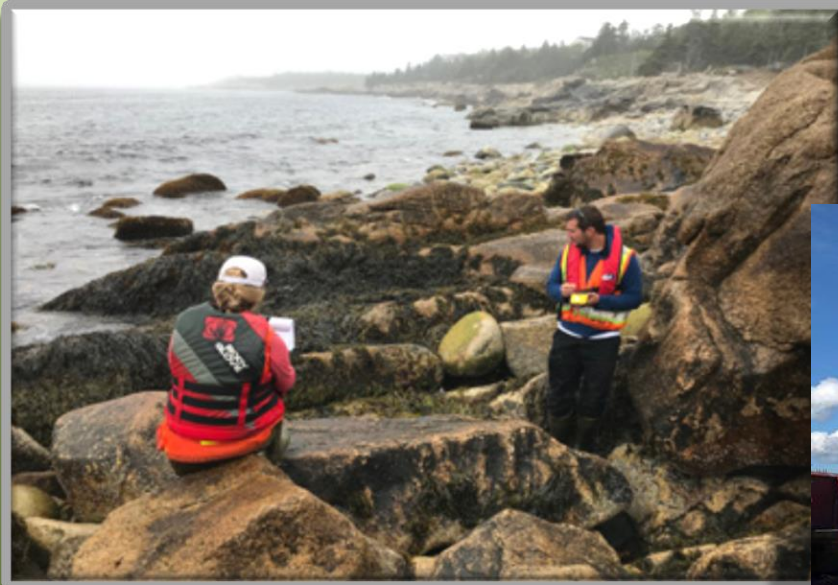


- FCSAP uses a standardized approach to examine risks to human health and the environment to prioritize sites for action
  - ❖ **Class 1 sites (high priority for action)**
  - ❖ **Class 2 sites (medium priority for action)**
  - ❖ **Class 3 sites (low priority for action)**



# 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

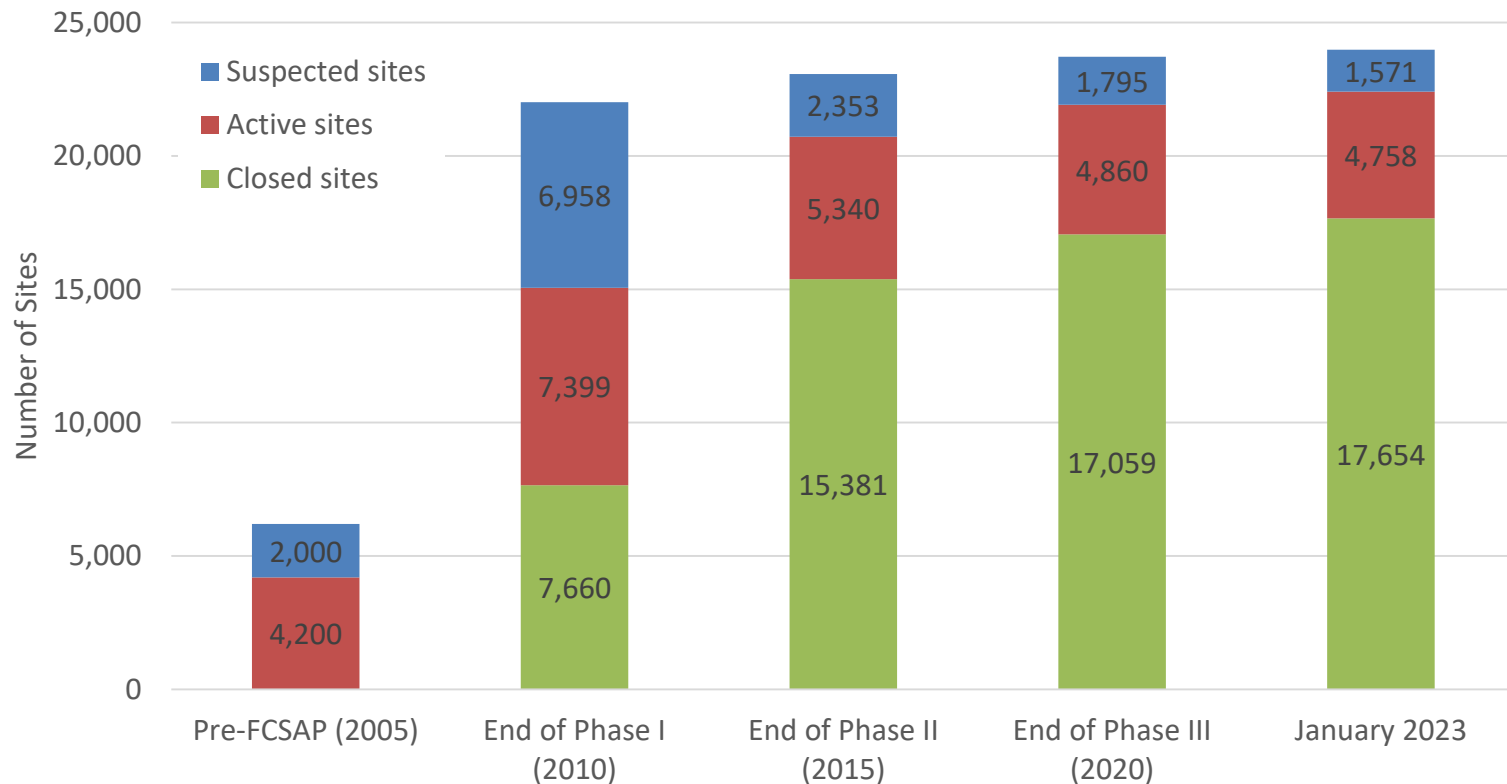
- 24,800 direct jobs; \$2.3 billion spent in Canada's North

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”



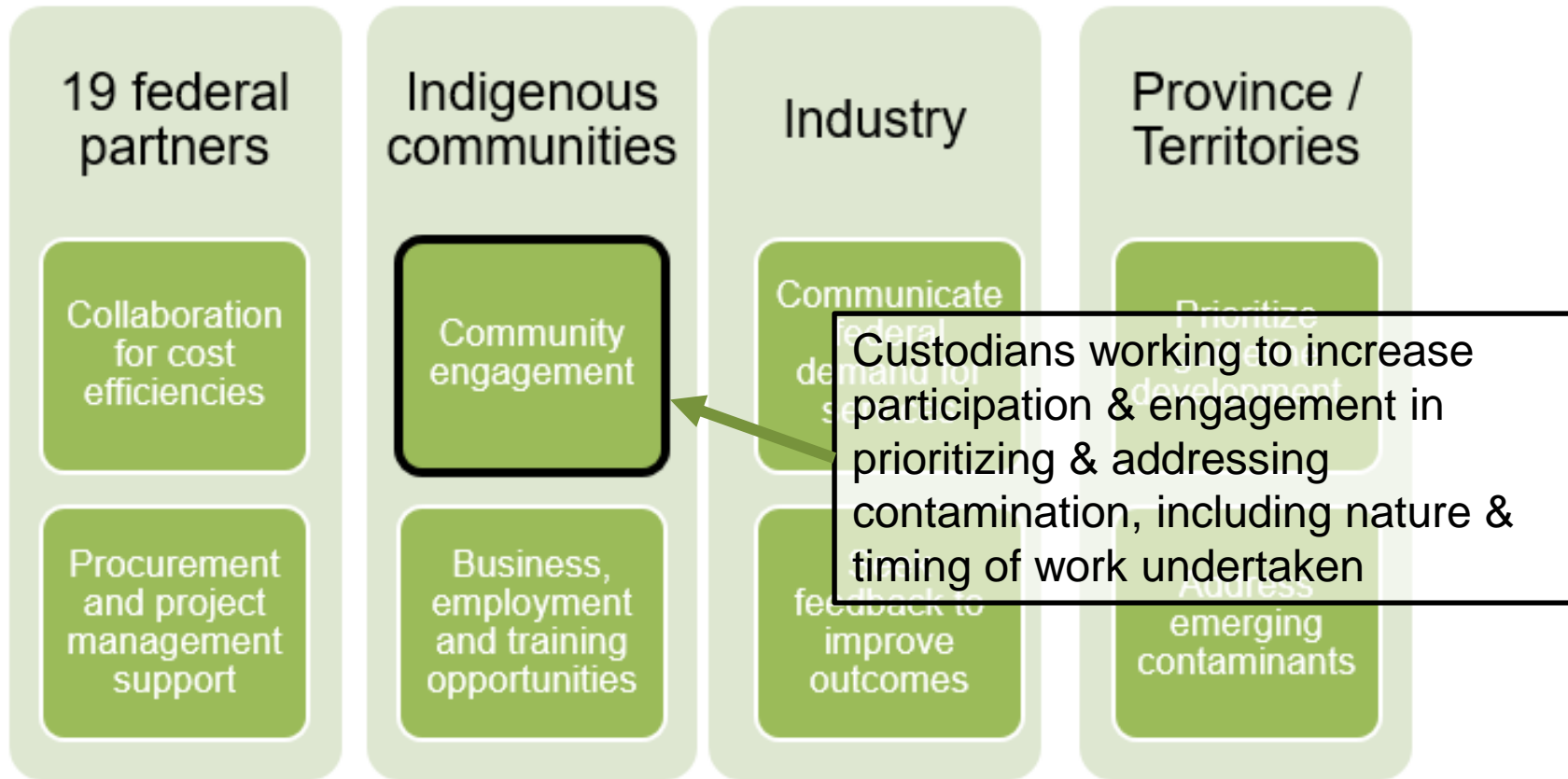
# FCSAP PHASE IV (2020-2025) PRIORITIZATION CRITERIA

## 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



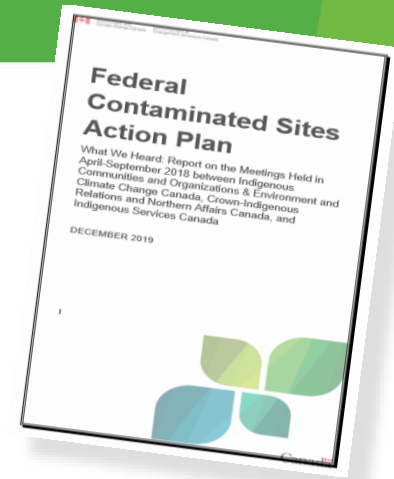
# COLLABORATION WITH INDIGENOUS COMMUNITIES & STAKEHOLDERS





# 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.



**CANADA-WIDE**

**FEDERAL  
CONTAMINATED SITES**



# PAST FCSAP INVESTMENTS (2005-2022)

	BC	AB	SK	MB	ON	QC	NB	Labrador
<b>Investments</b>	\$890M	\$61M	\$41M	\$137M	\$334M	\$234M	\$18M	\$145M
<b>Assessment Sites (AS)</b>	2,166	509	761	1,109	1,318	912	537	163
<b>Remediation Sites (RS)</b>	566	96	180	102	378	351	75	43
<b>(AS) Closed or Fully Assessed</b>	1,760	423	520	866	1,106	701	496	156
<b>(RS) Closed or Fully Remediated</b>	415	53	152	67	254	244	63	37

	NS	PE	NL	Yukon	Northwest Territories	Nunavut	Nunatsiavut	Nunavik
<b>Investments</b>	\$61M	\$6M	\$73M	\$700M	\$1.0B	\$588M	\$2.5M	\$2.5M
<b>Assessment Sites (AS)</b>	793	163	1,165	75	834	509	54	38
<b>Remediation Sites (RS)</b>	240	49	315	40	98	96	7	3
<b>(AS) Closed or Fully Assessed</b>	724	154	1,092	67	773	459	52	18
<b>(RS) Closed or Fully Remediated</b>	222	46	257	24	70	87	7	2



# FUTURE PLANNED FCSAP INVESTMENTS (2023-2025)

	BC	AB	SK	MB	ON	QC	NB	Labrador
<b>Investments</b>	\$187M	\$18M	\$18M	\$30M	\$119M	\$77M	\$6M	\$9M
<b>Assessment Sites (AS)</b>	7	6	56	8	15	10	5	0
<b>Remediation Sites (RS)</b>	298	41	141	56	108	166	35	19
<b>(AS) Closed or Fully Assessed</b>	3	6	56	7	12	6	4	0
<b>(RS) Closed or Fully Remediated</b>	246	24	117	35	57	87	21	9

	NS	PE	NL	Yukon	Northwest Territories	Nunavut	Nunatsiavut	Nunavik
<b>Investments</b>	\$8M	\$1M	\$4M	\$16M	\$67M	\$62M	\$0.7M	\$1.4M
<b>Assessment Sites (AS)</b>	2	0	0	0	1	3	0	0
<b>Remediation Sites (RS)</b>	56	7	53	15	37	53	3	4
<b>(AS) Closed or Fully Assessed</b>	2	0	0	0	1	3	0	0
<b>(RS) Closed or Fully Remediated</b>	36	5	41	11	26	42	2	0



# FEDERAL CONTAMINATED SITES

	BC	AB	SK	MB	ON	QC	NB	Labrador
<b>Suspected</b>	511	64	281	158	148	114	32	10
<b>Active</b>	1,045	232	188	264	745	856	138	58
<b>Closed</b>	3,261	843	1,270	1,003	3,038	1,515	857	292
<b>Total Sites</b>	<b>4,817</b>	<b>1,139</b>	<b>1,739</b>	<b>1,425</b>	<b>3,931</b>	<b>2,485</b>	<b>1,027</b>	<b>360</b>

	NS	PE	NL	Yukon	Northwest Territories	Nunavut	Nunatsiavut	Nunavik
<b>Suspected</b>	21	8	113	4	76	25	2	14
<b>Active</b>	345	27	510	45	146	154	16	37
<b>Closed</b>	1,445	282	1,525	98	1,443	628	105	42
<b>Total Sites</b>	<b>1,811</b>	<b>317</b>	<b>2,148</b>	<b>147</b>	<b>1,665</b>	<b>807</b>	<b>123</b>	<b>93</b>



# CUSTODIANS WITH SITES

	BC	AB	SK	MB	ON	NB	NS	PE	NL
<b>Fisheries and Oceans Canada (DFO)</b>	2,104	0	0	270	2,054	622	1,094	274	1736
<b>Indigenous Services Canada (ISC)</b>	1,604	238	827	755	715	38	43	0	0
<b>National Defence (DND)</b>	277	145	44	45	354	135	445	0	69
<b>Transport Canada (TC)</b>	186	0	0	0	201	0	0	11	110
<b>Environment and Climate Change Canada (ECCC)</b>	290	321	280	0	161	41	0	0	0
<b>Royal Canadian Mounted Police (RCMP)</b>	0	146	196	164	0	107	80	0	72
<b>Public Services and Procurement Canada (PSPC)</b>	0	0	0	0	0	0	54	6	97
<b>Agriculture and Agri-Food Canada (AAFC)</b>	0	0	290	86	0	0	0	6	0
<b>Parks Canada Agency (PCA)</b>	0	123	0	0	0	0	0	6	0
<b>Other Custodians</b>	356	166	102	105	446	84	131	14	64



# CUSTODIANS WITH SITES (CON'T)

	QC	Labrador	Nunatsiavut	Nunavik	Yukon	Northwest Territories	Nunavut
Fisheries and Oceans Canada (DFO)	1,389	232	98	64	29	835	281
Indigenous Services Canada (ISC)	214	0	0	7	0	0	0
National Defence (DND)	287	31	10	1	0	0	70
Transport Canada (TC)	158	25	1	13	48	41	41
Environment and Climate Change Canada (ECCC)	0	14	1	7	13	0	0
Royal Canadian Mounted Police (RCMP)	0	49	10	0	13	34	45
Natural Resources Canada (NRCan)	0	0	0	1	0	0	0
Public Services and Procurement Canada (PSPC)	0	0	0	0	0	35	0
Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)	0	0	0	0	0	673	319
Parks Canada Agency (PCA)	117	0	3	0	15	0	0
Other Custodians	320	9	0	0	29	118	51





# REGIONAL

# CASE STUDIES



# CASE STUDY #1 - KÉLSET (REAY CREEK) REMEDIATION PROJECT

**Location:** Town of Sidney, North Saanich, Vancouver Island, BC

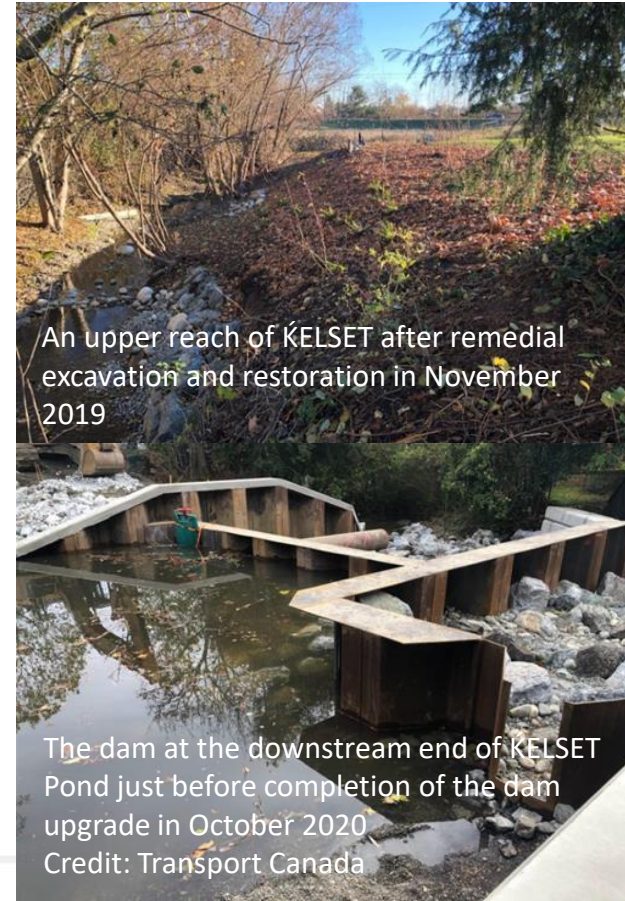
**Custodian:** Transport Canada

The Project involved the removal of contaminated sediment from the upper portions of KÉLSET (formerly Reay Creek), which lie within the Victoria International Airport property, and a downstream pond in the Town of Sidney, BC.

- Located in the traditional territories of the W̱SÁNEĆ First Nations: Tsawout, Tseycum, Tsartlip and Pauchauchin.
- Cultural monitors from the Tseycum First Nation were onsite full-time to oversee the excavation work
- Representatives from the W̱SÁNEĆ Leadership Council:
  - Helped conduct environmental, cultural and archaeological monitoring;
  - and conduct the post-remediation planting.

Source: FCSAP Annual Report 2020-2021 -

[https://publications.gc.ca/collections/collection\\_2023/eccc/En1-43-2021-eng.pdf](https://publications.gc.ca/collections/collection_2023/eccc/En1-43-2021-eng.pdf)



# CASE STUDY #2 - WASTE OIL PIT REMEDIATION PROJECT IN WASAUKSING FIRST NATION

**Location:** Wasauksing First Nation, Ontario  
**Custodian:** Indigenous Services Canada (ISC)

The Waste Oil Pit Remediation Project, completed in November 2019, involved the remediation of four waste-oil pits through the removal of 8,855 tonnes of contaminated soil. The project site lies in Wasauksing First Nation on Parry Island on the eastern shore of Georgian Bay.

Public Services and Procurement Canada (PSPC) awarded the remediation design work to a consultant specializing in providing environmental services to First Nation, Inuit and northern communities. The project team consisted of

- Wasauksing First Nation members
- ISC, PSPC,
- environmental consultants and contractors.

The success of the Project was mainly due to the great collaboration between parties.

Source: FCSAP Annual Report 2019-2020 -

[https://publications.gc.ca/collections/collection\\_2022/eccc/En1-43-2020-eng.pdf](https://publications.gc.ca/collections/collection_2022/eccc/En1-43-2020-eng.pdf)



# QUESTIONS





# THANK YOU!

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

**AT:**

**[FCSAP.PASCF@EC.GC.CA](mailto:FCSAP.PASCF@EC.GC.CA)**



Environment and Climate Change Canada's 50<sup>th</sup> anniversary  
50<sup>e</sup> anniversaire d'Environnement et Changement climatique Canada

Meteorological Service of Canada's 150<sup>th</sup> anniversary  
150<sup>e</sup> anniversaire du Service météorologique du Canada

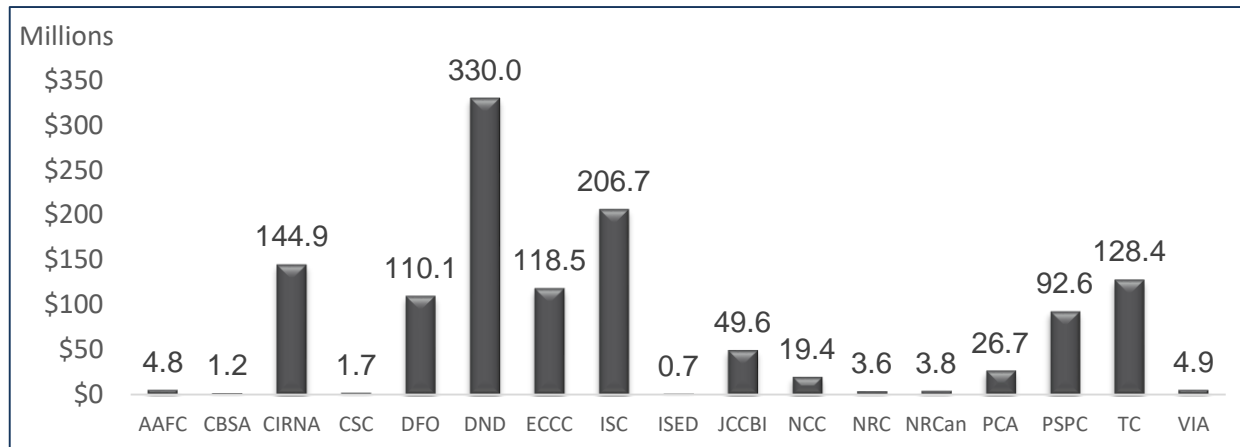
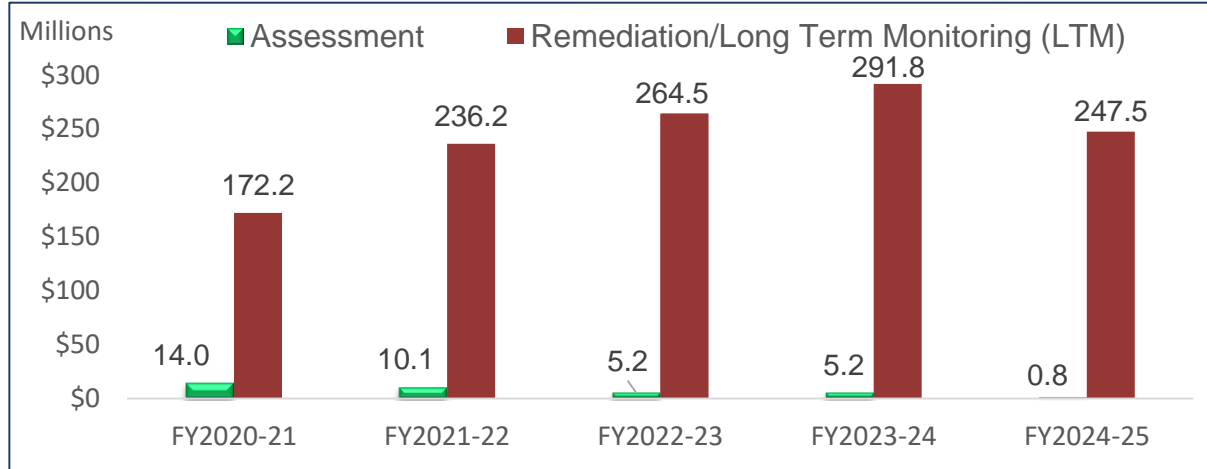
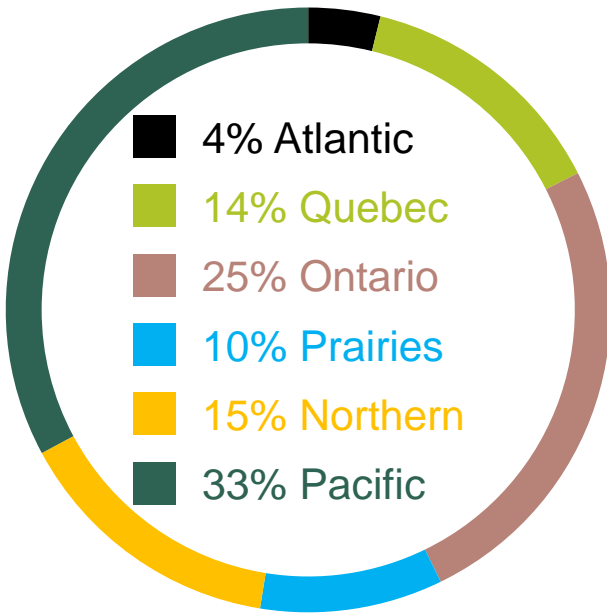
Canada 

# ANNEX



# NATIONAL OVERVIEW OF FCSAP PHASE IV FUNDING

<b>\$1.2B</b>	<b>306</b>	<b>1275</b>
<b>Funding</b>	<b>Assessment Sites</b>	<b>Remediation &amp; LTM Sites</b>



Source: FCSAP Secretariat (April 2020)



# FEDERAL CONTAMINATED SITES INVENTORY

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>

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>

