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Canada



Federal Contaminated Sites Action Plan

Results for 2019-2020

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About the Federal Contaminated Sites Action Plan

There are thousands of contaminated sites in Canada, many of them located on lands owned or leased by the federal government or where the federal government has accepted responsibility for the contamination. These are known as “federal contaminated sites”. Often, the contamination comes from historical activities that occurred when environmental consequences were not well understood and when policies and laws to reduce the risk of creating new contamination did not exist.

Federal contaminated sites contain substances in quantities that may be dangerous to human health and the environment. Recognizing the importance of cleaning up these sites and protecting the human health and natural environment of Canadians, the Government of Canada established the Federal Contaminated Sites Action Plan (FCSAP) in 2005.

FCSAP is a federal program that provides funding to government departments, agencies and consolidated Crown corporations (known as custodians) to assess, remediate and risk manage the contaminated sites for which they are responsible. Through FCSAP, more than 8,200 sites have been assessed to understand the source and magnitude of contamination and over 1,600 sites have been remediated/ risk managed to remove or block exposure to contamination.

FCSAP is divided into Phases. This report summarizes results for fiscal year 2019-2020, the last year of Phase III. For additional information, the full report is available [here](#), and a summary of results for Phase III (2016-2017 to 2019-2020) can be found [here](#).

Examples of FCSAP-funded contaminated sites:

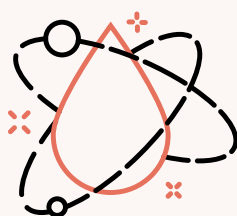
- Harbours (former industrial uses)
- Protected heritage areas, such as national parks, national historic sites and national marine protected areas (former waste disposal sites, fuel storage sites and pre-park activities)
- Lighthouse stations (contaminated by lead paint and mercury)
- Military bases (firing ranges and training facilities)
- First Nations reserves (former sawmills and fuel storage areas)

Benefits of FCSAP



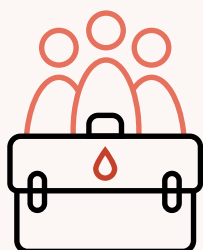
Human and Environmental Health

Addresses federal contaminated sites to safeguard the health of ecosystems and of Canadians.



Innovation

Promotes the development of new technologies by sharing innovative remediation solutions and scientific knowledge with the federal community and private sector.



Social and Economic

Creates jobs and supports skills development, including in Indigenous communities and in northern and rural areas.

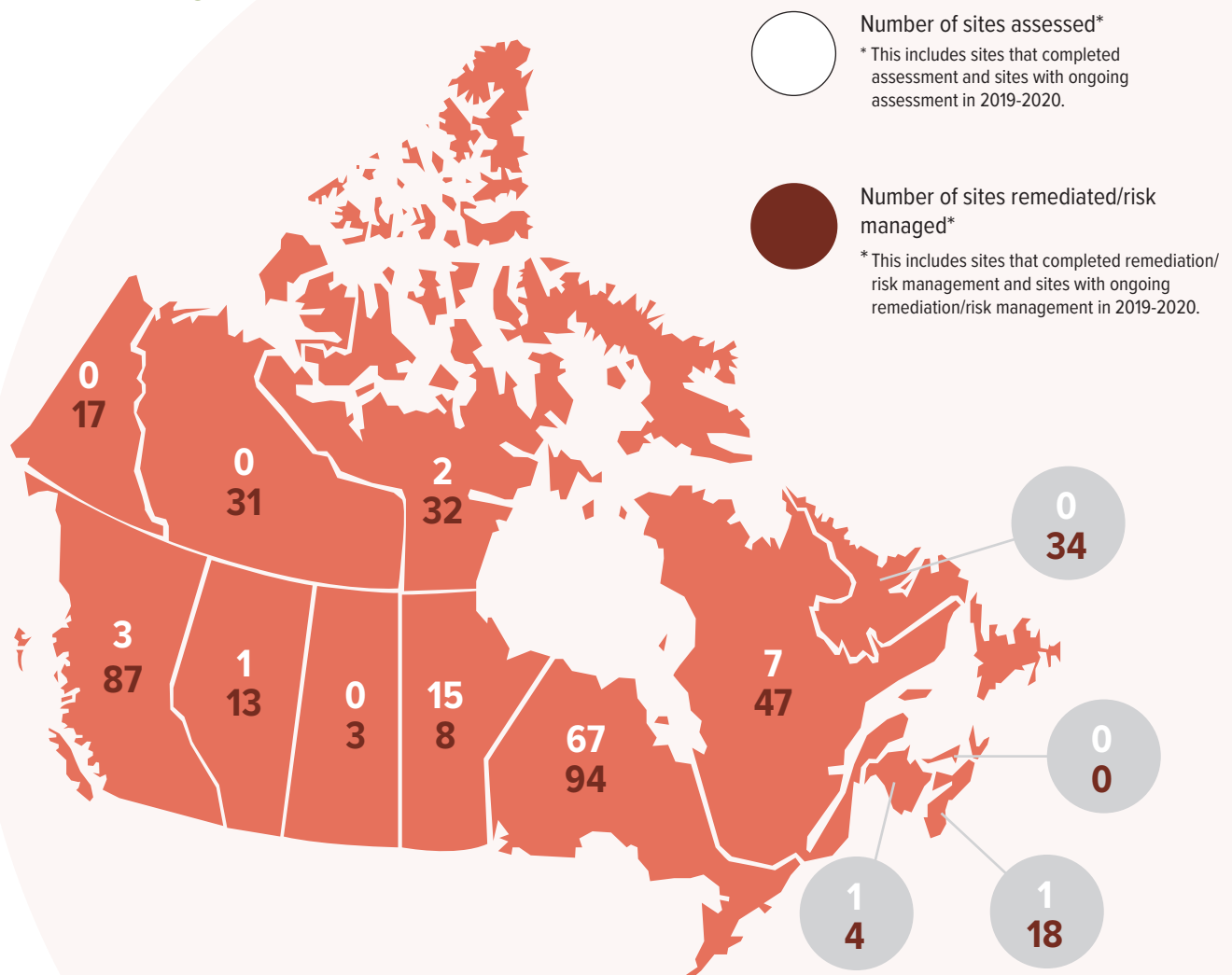
It is estimated that 2,000 jobs were created or maintained in the waste management and remediation industry as a result of FCSAP in 2019-2020.

Overview of FCSAP's Assessment and Remediation/Risk Management Work across Canada

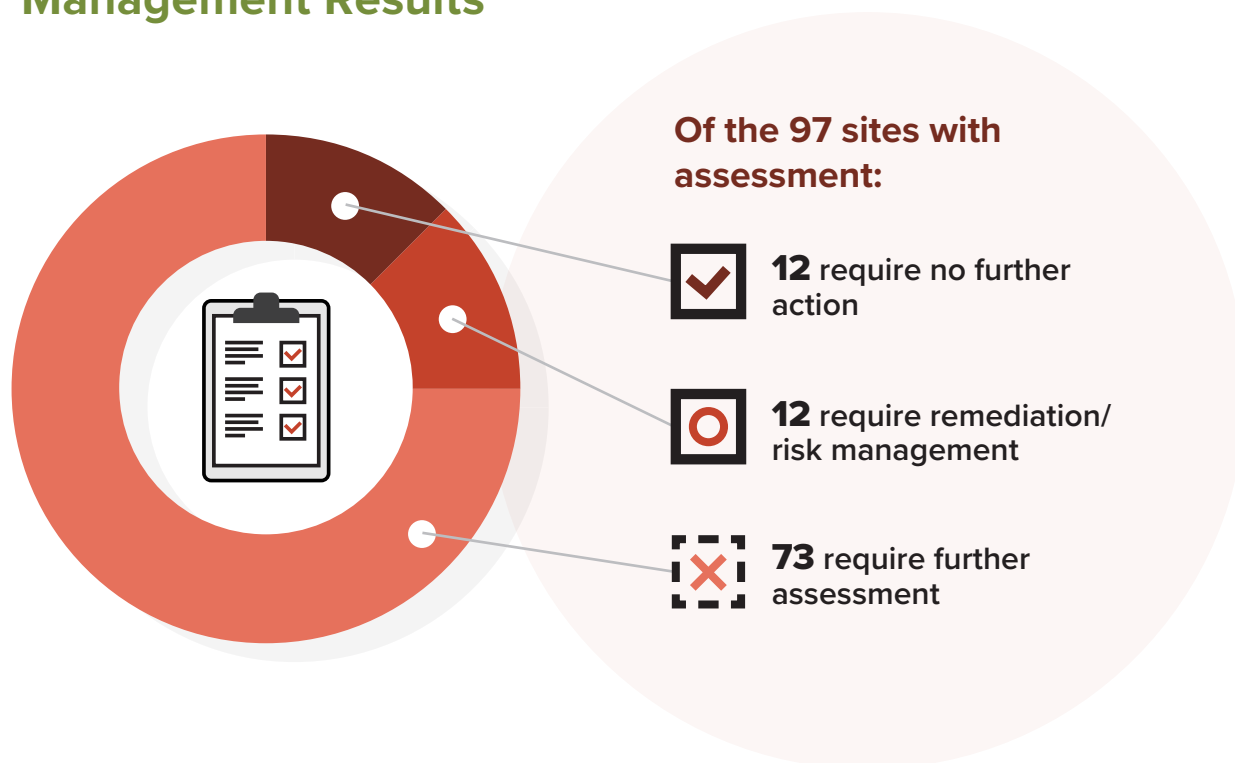
Assessing and remediating/risk managing a site is a complex process that can take many years. The duration of remediation activities at a site depends on many factors, such as the nature and extent of the contamination, scientific knowledge of the contamination, location of the site, and weather conditions.

In 2019-2020, \$2.1 million of FCSAP funding was spent on assessment at 97 sites and \$358.2 million was spent on remediation/risk management at 388 sites.

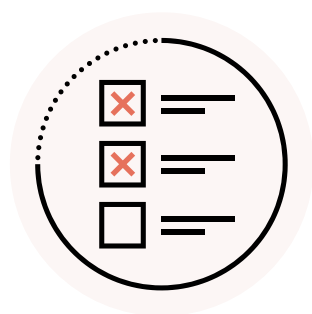
FCSAP's Work Across the Country



Assessment and Remediation/Risk Management Results



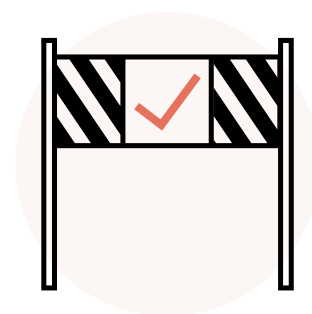
Of the 388 sites with remediation/risk management:



355 sites
require further
remediation/risk
management



23 sites
completed
remediation/risk
management



10 sites
were closed

Liability Reduction

Remediation/risk management expenditures in 2019-2020 reduced federal liability by \$377 million.

Examples of Completed Remediation/Risk Management Projects

Custodian	Parks Canada Agency
Location	<u>Lachine Canal National Historic Site, Montreal, Quebec</u>
Cause of contamination	Former underground petroleum storage tanks, wooden poles treated with pentachlorophenol, and nearby historical industrial activities.
Contaminants	Petroleum hydrocarbons, heavy metals, volatile organic compounds, polycyclic aromatic hydrocarbons, dioxins and furans
Contaminated media	Soil
Remediation	2018 to 2020
Total expenditures at the site	\$2.54 million
FCSAP expenditures at the site	\$2.13 million
Liability reduction	\$2.47 million

During remediation work



After remediation work



Custodian	Indigenous Services Canada
Location	<u>Northlands Denesuline First Nation, Lac Brochet, Manitoba</u>
Cause of contamination	Leakage from underground and aboveground petroleum storage tanks
Contaminants	Petroleum hydrocarbons and polycyclic aromatic hydrocarbons
Contaminated media	Soil, groundwater and air
Remediation	2005 to 2007, 2011 to 2012, and 2015 to 2019
Total expenditures at the site	\$6 million
FCSAP expenditures at the site	\$2.92 million
Liability reduction	\$3.55 million

For more information about FCSAP and for examples of completed projects, visit www.canada.ca/contaminated-sites or email us: FCSAP.PASCF@ec.gc.ca