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 Based on published data from government and industry sources
 Third version: October 2025

Nuclear Map of Canada

MILL SITE	URANIUM USE	MILL SITE	URANIUM USE
▼ PORT RADIUM, NWT	☞	▼ ELLIOT LAKE, ONT.	☞
▼ RAYROCK, NWT	☞	▼ LACNOR	☞
▼ URANIUM CITY, SASK.	☞	▼ NORDIC	☞
▼ BEAVER LODGE	☞	▼ STANROCK	☞
▼ GUNNAR	☞	▼ SPANISH-AMERICAN	☞
▼ LARADO	☞	▼ MILLIKEN	☞
OTHER SASKATCHEWAN	☞	▼ STANLEIGH	☞
▼ CLUFF LAKE	☞	▼ QUIRKE	☞
▼ RABBIT LAKE	☞	▼ PANEL	☞
▼ KEY LAKE	☞	▼ DENISONV	☞
▼ MCCLEAN LAKE	☞	▼ BANCROFT, ONT.	☞
OTHER ONTARIO	☞	▼ DYNO	☞
▼ AGNEW LAKE, ESPANOLA	☞	▼ BICROFT	☞
▼ PRONTO, BLIND RIVER	☞	▼ FARADAY	☞
	☞	▼ MADAWASKA	☞

☞ uranium for bombs (1941-1965) ☞ for export (from 1968) ☞ for CANDU (from 1960)

RADIOACTIVE INVENTORY

MAIN COMPONENTS AS OF 2019

URANIUM TAILINGS

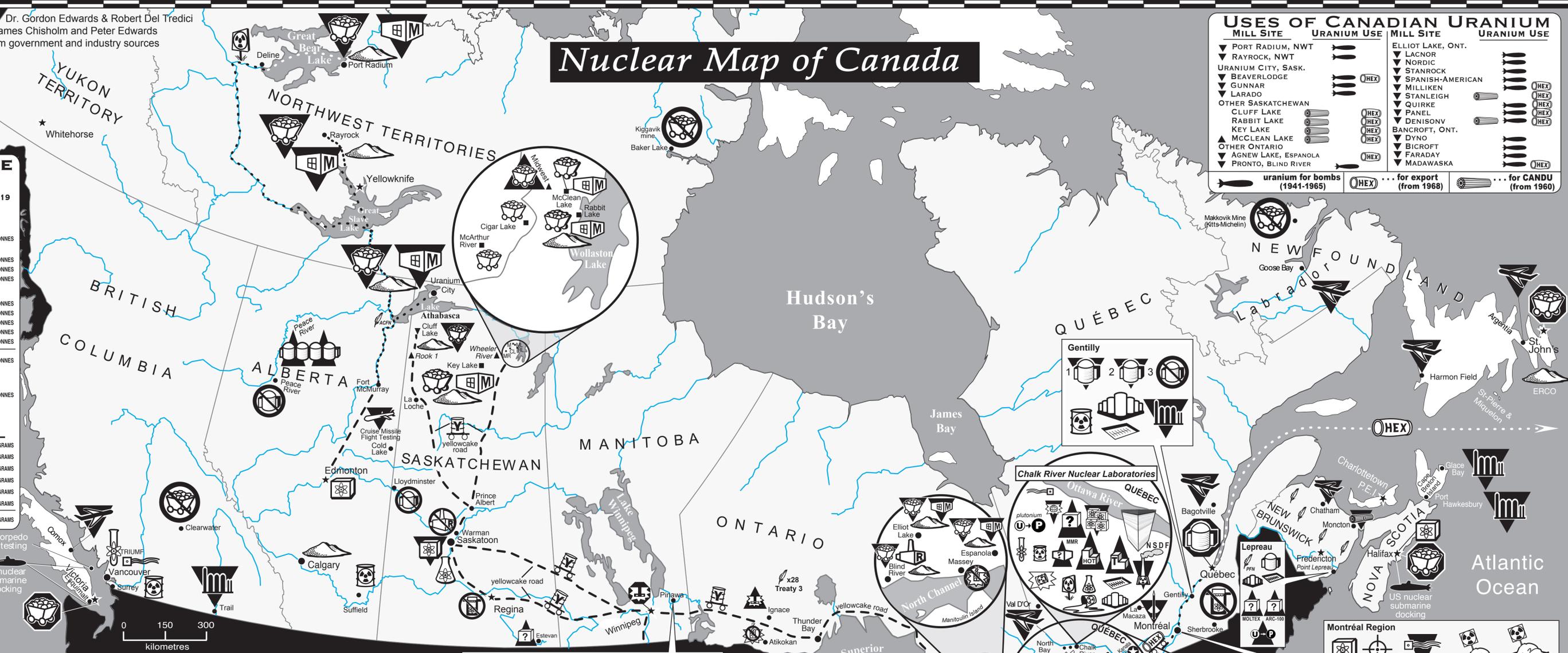
NORTHWEST TERRITORIES	1.0 MILLION TONNES
ONTARIO	
ELLIOT LAKE	168.9 MILLION TONNES
BANCROFT	6.6 MILLION TONNES
OTHER	0.5 MILLION TONNES
SASKATCHEWAN	
URANIUM CITY	10.5 MILLION TONNES
CLUFF LAKE	3.2 MILLION TONNES
RABBIT LAKE	15.6 MILLION TONNES
KEY LAKE	9.8 MILLION TONNES
MCCLEAN LAKE	2.2 MILLION TONNES
TOTAL TAILINGS	218.3 MILLION TONNES

WASTE ROCKS FROM ALL MILLS

167.4 MILLION TONNES

HIGH LEVEL RADIOACTIVE WASTE (HLW)

BRUCE	25.7 MILLION KILOGRAMS
DARLINGTON	11.5 MILLION KILOGRAMS
PICKERING	16.1 MILLION KILOGRAMS
GENTILLY-2	2.5 MILLION KILOGRAMS
POINT LEPREAU	2.9 MILLION KILOGRAMS
RESEARCH REACTORS	0.5 MILLION KILOGRAMS
TOTAL HLW	59.2 MILLION KILOGRAMS



LEGEND

- small modular nuclear reactor
- plutonium separation
- reactor demolition (decommissioning)
- radioactive megadump
- radioactive DGR repository
- indigenous communities

THE NUCLEAR FUEL CHAIN

FRONT END	BACK END
uranium mine	research reactor
uranium mill	CANDU power reactor
radioactive tailings	vacuum building
yellowcake road	spent fuel pool
yellowcake	spent fuel dry storage silos
uranium refinery	tritium removal facility
fuel fabrication	reprocessing (plutonium separation)
heavy water plant	burial of high level liquid radwaste
uranium hexafluoride	
uranium enrichment	

OTHER

- nuclear research
- radioisotope production
- reactor component manufacturing
- particle accelerator
- soil/water contamination
- radwaste* storage
- radwaste* burial
- liquid radwaste* dispersal
- radwaste* incinerator

* not high-level radioactive waste

Whiteshell Nuclear Research Establishment

Canada's nuclear industry was born in secrecy, during wartime, over 80 years ago. Yet the associated technologies and their consequences remain practically invisible to most Canadians even today.

This map is a publication of the Canadian Coalition for Nuclear Responsibility. It shows nuclear activities and radioactive sites across Canada. It traces the links in the nuclear fuel chain to show how the pieces fit together. It also shows past nuclear weapons related activities in Canada.

The purpose of this map is to make Canada's nuclear industry – past, present and future – more visible.

Bruce Nuclear Complex

Toronto region

Montréal Region

Port Hope, Darlington, Pickering

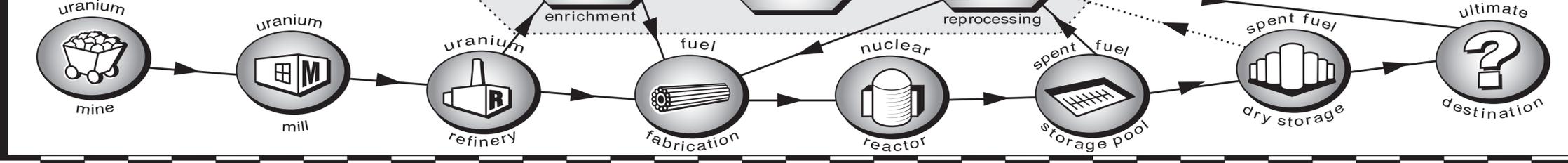
NUCLEAR WEAPONS SYSTEMS

- US nuclear-armed CF-101 Voodoo jets
- US nuclear submarines
- US nuclear-armed Bomarc missiles
- US cruise missiles
- guidance systems or other components for US nuclear weapons
- US nuclear bomb

STATUS SYMBOLS

- proposed
- shut down
- prevented
- moratorium

LINKS IN THE NUCLEAR FUEL CHAIN



CHALLENGES FOR MILLENNIA TO COME

for copies of this map:
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