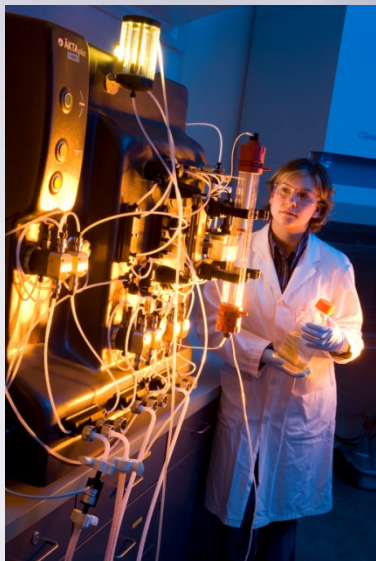


Former Gunnar Mining Limited Site Rehabilitation Project

**Presentation to the
Canadian Nuclear Safety Commission
17 September 2008**

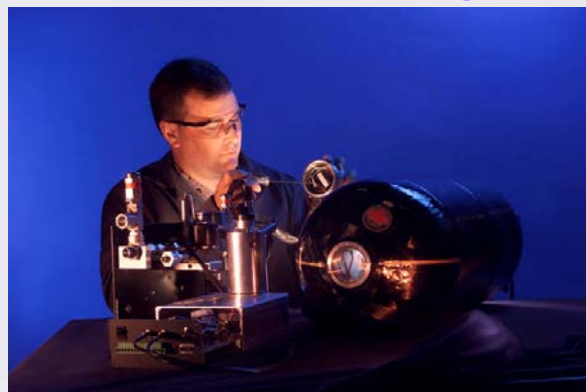
**Agriculture, Biotechnology
& Food**



Mining & Minerals



**Alternative Energy
& Manufacturing**



Energy



Environment & Forestry



Mission



*“SRC's mission is to help the people of Saskatchewan strengthen the economy with quality jobs and a **secure environment**. We do this through research, development, and the transfer of innovative scientific and technological solutions, applications and services.”*

Safety



Goal

The goal of SRC's Occupational Health & Safety Strategy is to achieve world-class safety performance at SRC.

Vision

"Safety and Occupational Health are the over-riding priorities for SRC."

This statement defines SRC's commitment to safety and states that it will not take on a project unless it can be done safely.

Our Expertise

- ↳ Contracted by Governments of Canada and Sask.
- ↳ Managing Project CLEANs
 - ↳ **Gunnar mine and mill site**
 - ↳ Also, Lorado and 36 satellite sites (without tailings)
- ↳ Internal expertise

Project management	Environmental studies
Engineering	Safety
Mining	

CNSC Licence

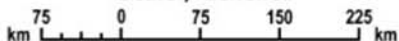
- ↳ Continuously licensed for 25+ years by CNSC
- ↳ Currently hold a valid Class IA (NPROL-19.03/2013) for the operation of a SLOWPOKE-2 research reactor in Saskatoon, SK



LEGEND / LÉGENDE

- Provincial capital / Capitale provinciale
- Other populated places / Autres lieux habités
- Trans-Canada Highway / La Transcanadienne
- Major road / Route principale
- - - International boundary / Frontière internationale
- - - Provincial boundary / Limite provinciale

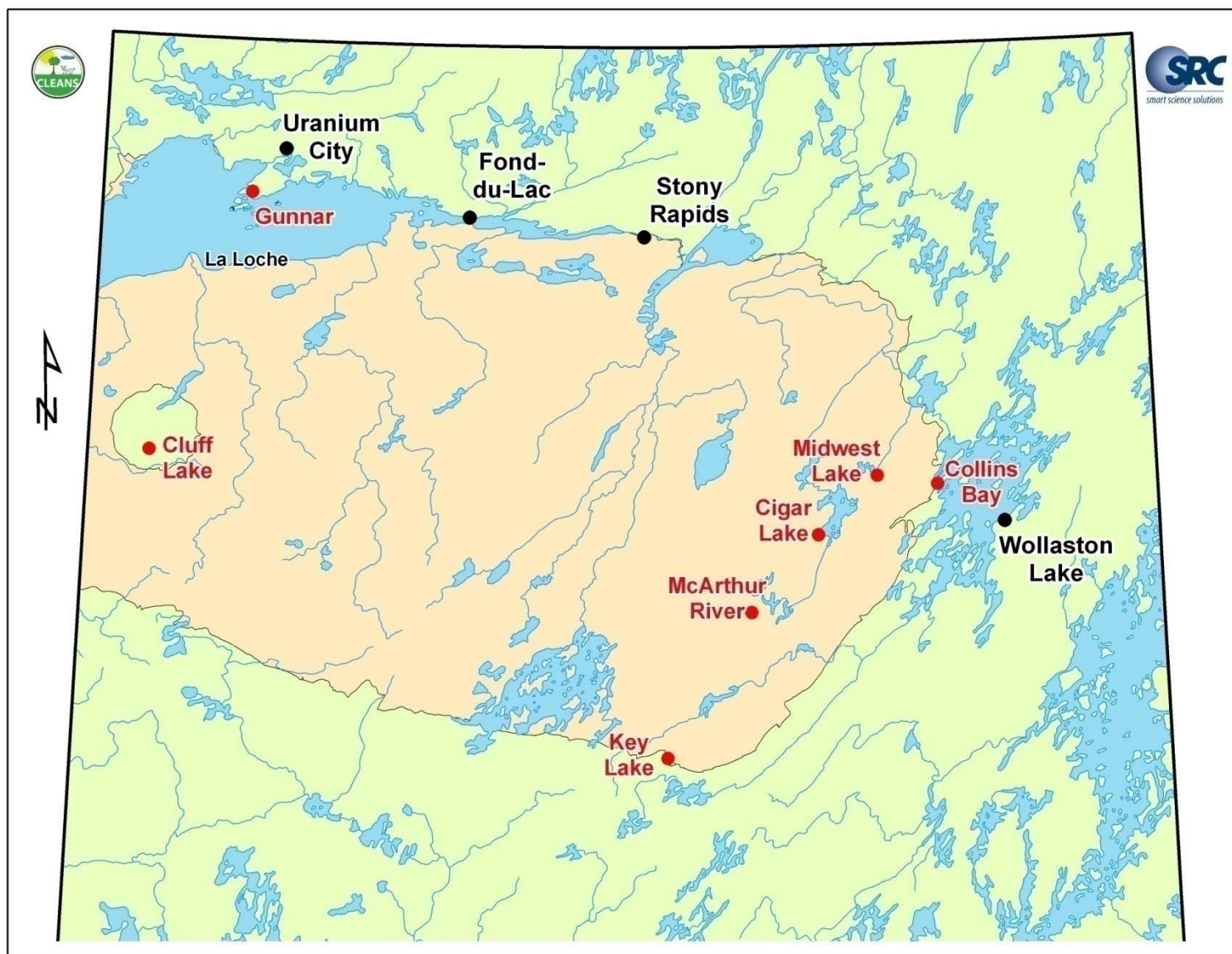
Scale / Echelle



Gunnar Site

↪ Approximately 825 kilometers by air north of Saskatoon

Gunnar Site



Gunnar Site

➔ No permanent residents within 15 km

➔ Approx. 112 people live within 80 km





Gunnar Pit



Gunnar Pit (1964)





Gunnar Mine Site



Main Tailings

Acid Plant

Haul Road

Waste Rock Pile

Mill

Men's Dorms

Powerhouse

Flooded Pit

Sports Field

Shop

Office

Waste Rock Pile

"Mall"

Rink

School

Marina

Headframe

Tank Farm

Dock

100 50 0 100 Meters

Lake Athabasca

Priority Areas

- ↳ Remaining structures/
buildings
- ↳ Tailings
- ↳ Waste rock
- ↳ Pit



Crusher, Mill, Acid Plant



Acid Plant



Residence and School





**Gunnar Mine Tailings
(looking south)**



Lake Athabasca

**Gunnar Mine
Site**

**Gunnar Main
Tailings**

**Gunnar Cental
Tailings**

Back Bay

**Langley Bay
Tailings**



**Langley Bay
(Lake Athabasca)**



Waste Rock





Gunnar Pit



Community Consultation

- ↳ March 12-13, 2007 – Uranium City
- ↳ March 20, 2007 – La Ronge
- ↳ June 28, 2007 – Prince Albert
- ↳ July 20, 2007 – Prince Albert
- ↳ April 8, 2008 – Uranium City
- ↳ May 14, 2008 – Uranium City
- ↳ May 19, 2008 – Stony Rapids
- ↳ June 24, 2008 – Stony Rapids



Community Consultation

Project Review Committee

Representation for each of the following communities:

- ↪ Uranium City
- ↪ Camsell Portage
- ↪ Fond du Lac
- ↪ Stony Rapids
- ↪ Black Lake
- ↪ Hatchet Lake
- ↪ Prince Albert Grand Council, Athabasca Vice Chief



Community Consultation



Technical Advisory Committee

Support and advise project management on the following:

- ↳ Communication and consultation
- ↳ Best practices
- ↳ Northern partnerships



WHAT'S NEW | MAPS | PUBLICATIONS | CONTACT US | SEARCH | SRC HOME

Overview | Mine Sites | Communities | Contractors | Environment & Safety | History



CLEANS (Cleanup of Abandoned Northern Sites)

CLEANS is a 16-year, \$24.6-million project to assess and reclaim 37 abandoned uranium mine and mill sites in northern Saskatchewan.

Reclamation costs are being shared equally by the governments of Canada and Saskatchewan. The Saskatchewan Research Council (SRC) is the project manager for CLEANS.



SRC's Expertise

SRC has scientific, technical, and management expertise, as well as experience working with project stakeholders—communities, First Nations, industry and government.

SRC's expertise includes:

- Working with industry, including mining and mineral, and environment and forestry companies,
- Environmental site assessment and remediation,
- Ground and surface water quality assessment and treatment, and
- Organic, inorganic and radiochemical analysis, and toxicity testing.

Logo



Concept by a
student from
Fond du Lac, SK

www.saskcleans.ca

Next Steps...

- ↳ Follow regulatory process
- ↳ Conduct Environmental Assessment
- ↳ Continue to engage community and solicit feedback
- ↳ Liaise with partners
 - ↳ CNSC and CEAA
 - ↳ Federal and provincial governments

Goals:

- ↳ Conduct rehabilitation activities in a manner that meets or exceeds the requirements
- ↳ Monitoring to demonstrate successful final rehabilitation



Thank You