



Project CLEANS (CLEAnup of Abandoned Northern Sites)

**Public Meeting
Uranium City, SK
13 November 2008**

Overview



- ↳ Introductions
- ↳ Project Overview
- ↳ Project Review Committee
- ↳ Project Update
 - ↳ Satellite Sites
 - ↳ Gunnar
 - ↳ Lorado
- ↳ Upcoming RFPs
- ↳ Other Items

Introductions



↳ SRC

- ↳ Kenelm Grismer
- ↳ Joe Muldoon
- ↳ Mark Simpson
- ↳ Erin Taman-Athmer

↳ Provincial Government

- ↳ Keith Cunningham, Ministry of Energy and Resources
- ↳ George Bihun, Ministry of Environment
- ↳ Scott Boyes, Northern Mines Monitoring Secretariat

Project Overview

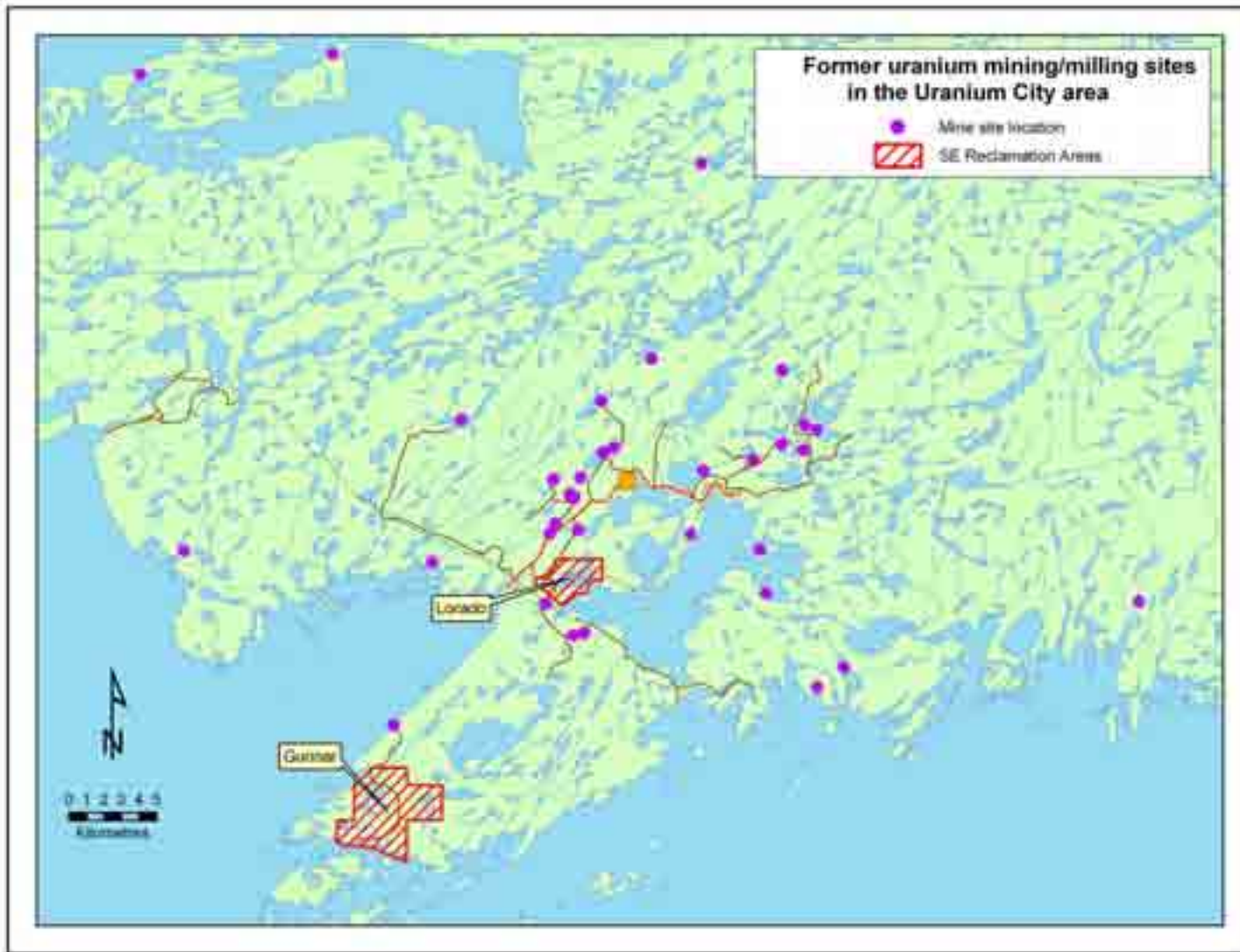


- ↳ Contracted by the Saskatchewan Ministry of Energy and Resources

- ↳ Managing Project CLEANS
 - ↳ Gunnar mine and mill site
 - ↳ Lorado mill site
 - ↳ 36 satellite mine sites (without tailings)

- ↳ Multi-year project

Mine Site Locations



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



- ↳ PRC guidelines ratified July 22, 2008
- ↳ First PRC meeting was held on September 25, 2008

Project Review Committee

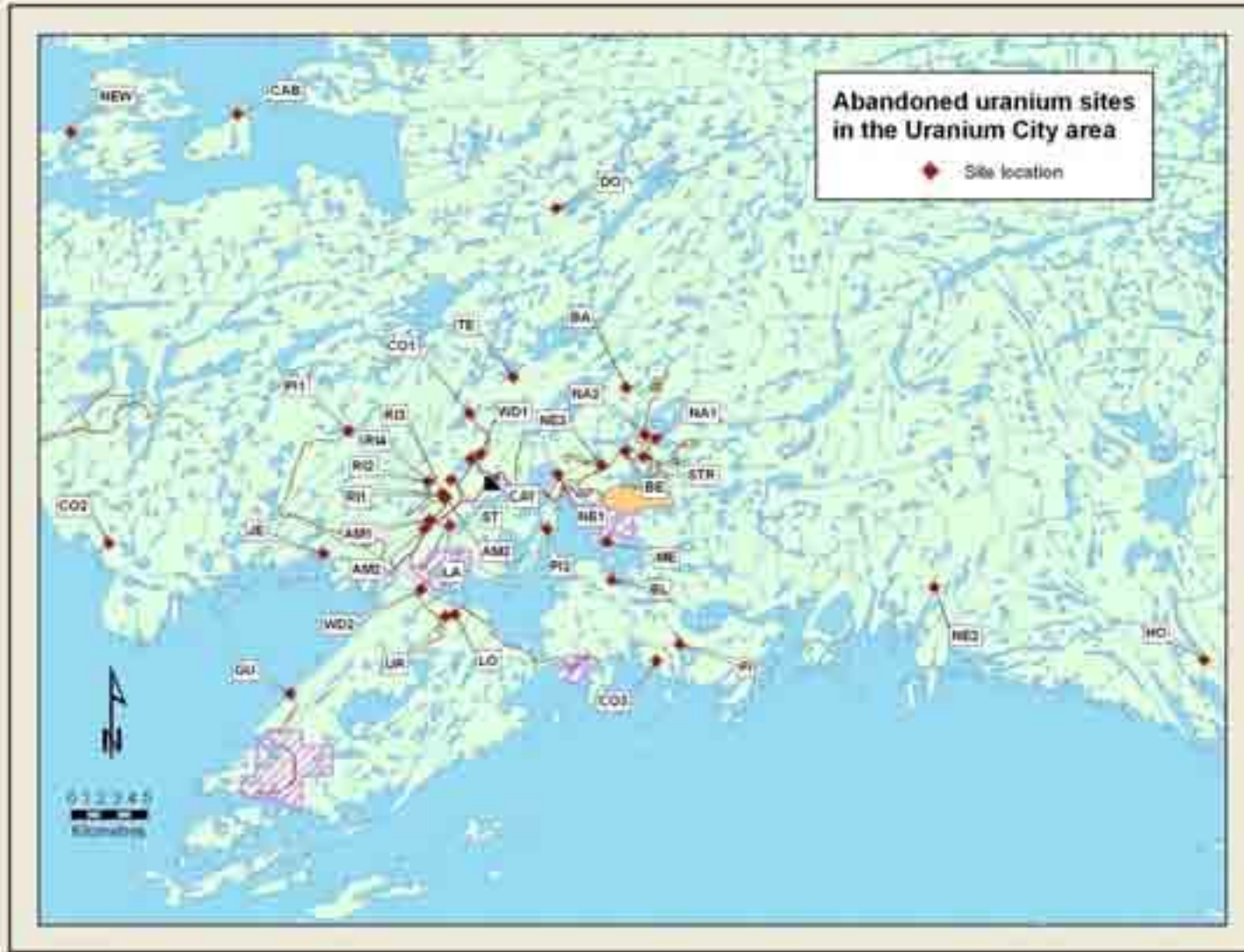


Purpose:

The purpose of the PRC is to provide a forum that ensures involvement by the local communities impacted by the project. The PRC will:

- ↳ Support the development of project plans and remain well-informed on the project status.
- ↳ Provide input to the Project CLEANs Project Manager, and
- ↳ Provide advice on opportunities to maximize the involvement of northern residents in the project.

Satellite Mine Sites



Community Priorities...



- ↳ Public Meeting in Uranium City in March 2007 launching the project and soliciting community input in prioritizing site remediation sequence.

Site Groupings

Group 1 – First Priority sites

- ↳ Lake Cinch/Cenex
- ↳ Lorado Uranium
- ↳ Nesbitt Labine, ABC
- ↳ Nesbitt Labine, Eagle
- ↳ Pitch-Ore, Beaverlodge
- ↳ Uranium Ridges

Group 2 – Near the Shore of Lake Athabasca

- ↳ Consolidated Beta Gamma Tena
- ↳ Consolidated Nicholson
- ↳ Gulch Mines Ltd.
- ↳ Homer Yellowknife
- ↳ Jesko
- ↳ Nesbitt Reed Bay

Site Groupings



Group 3 – locations where sites are best done as a group after access becomes possible

- ↳ Amax Athabasca Site 1
- ↳ Amax Athabasca Site 2
- ↳ Amax Athabasca Site 3
- ↳ Cayzor Athabasca
- ↳ Consolidated Beta Gamma Bellgarde
- ↳ Rix Athabasca Leonard
- ↳ Rix Athabasca Zone 62
- ↳ Rix Athabasca #10
- ↳ Rix Athabasca Smitty
- ↳ St. Michaels

Site Groupings

Group 4 – North of the airport, further away from the townsite

- ↳ Baska Dot-Claim
- ↳ Beaverlodge-Mickey Lake
- ↳ Meta
- ↳ National Explorations, Keiller
- ↳ National Explorations, Pat
- ↳ Strike Lake

Group 5 - More remote

- ↳ Black Bay
- ↳ Caba
- ↳ Don Henry
- ↳ New Mylamaque
- ↳ Pitch-Ore Augier
- ↳ Territorial

Satellite Mine Sites



2008 Work Season

- ↳ Conducted request for quotations (RFQ) process
 - ↳ Uranium Ridges & Nesbitt Labine, ABC Sites
 - ↳ Specialized Tasks

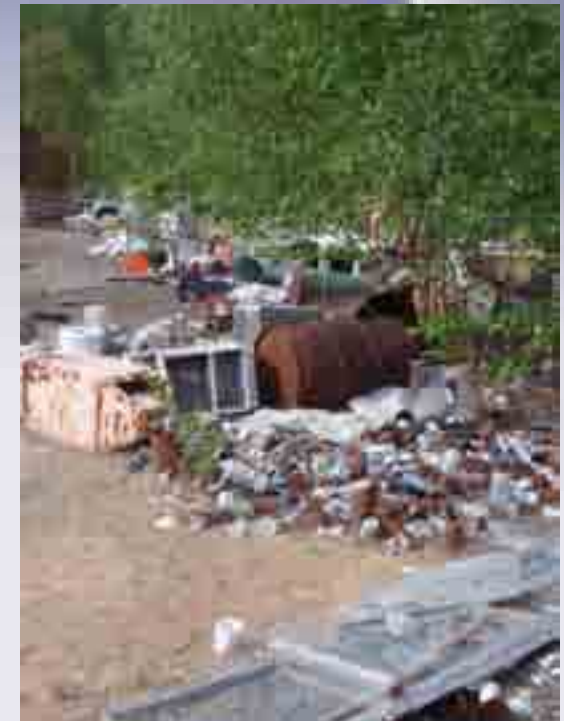
- ↳ Evaluated quotations and issued contracts

- ↳ Successfully completed work plan

Uranium Ridges



Domestic Garbage



Uranium Ridges



Uranium Ridges



Before



After



Uranium Ridges



Uranium Ridges



Uranium Ridges



Uranium Ridges



Uranium Ridges



Uranium Ridges



Uranium Ridges



Lake Cinch/Cenex



Lake Cinch/Cenex



Lake Cinch/Cenex



Lake Cinch/Cenex



Lake Cinch/Cenex



Before



After



Lake Cinch/Cenex



Lake Cinch/Cenex



Nesbitt Labine, ABC



Nesbitt Labine, ABC



Nesbitt Labine, ABC



Nesbitt Labine, ABC



Nesbitt Labine, ABC



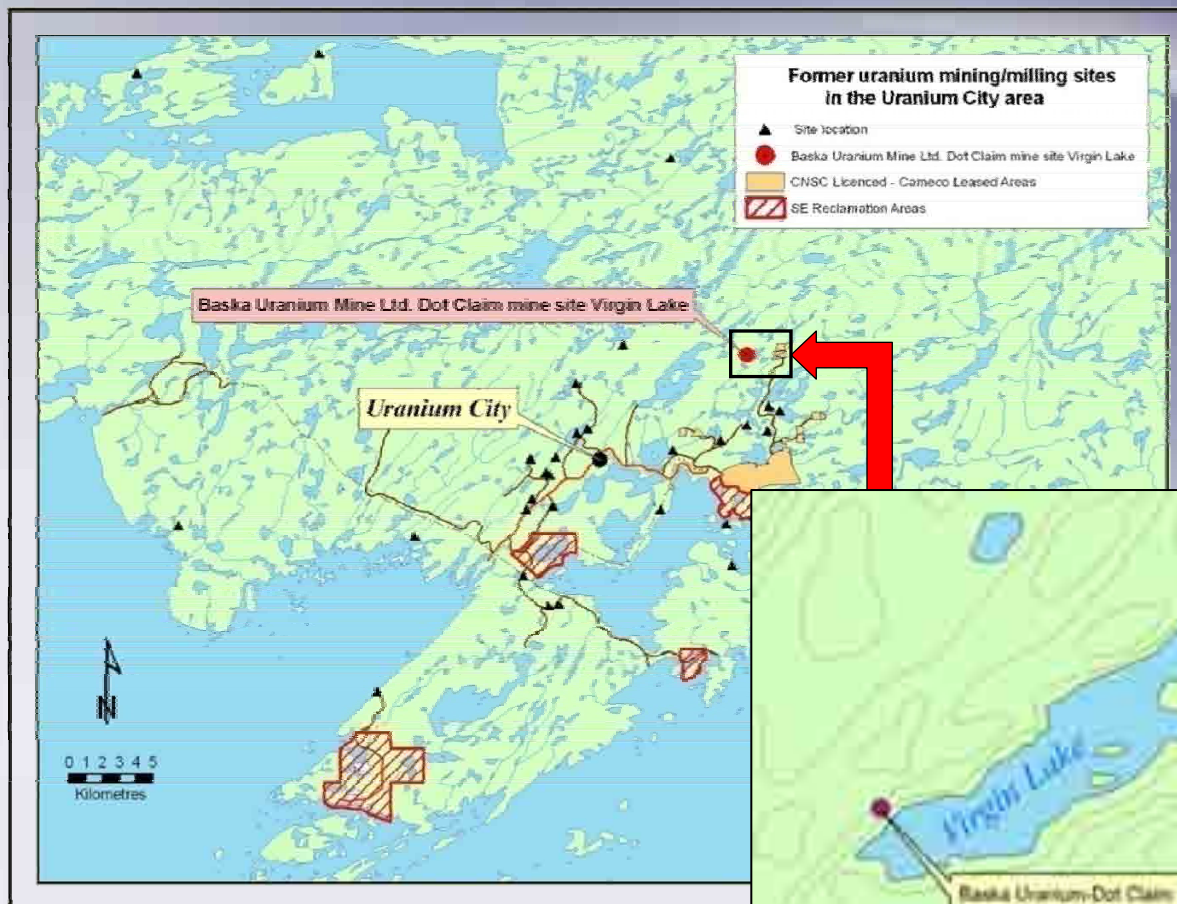
Nesbitt Labine, ABC



2008 Site Assessments



- ↳ Possible that forest fires may have opened mine workings and/or created public safety hazards
- ↳ Completed site assessments on the following sites:
 - ↳ Baska Dot – Claim
 - ↳ Beaverlodge – Mickey Lake
 - ↳ National Explorations, Keiller
 - ↳ National Explorations, Pat
 - ↳ Strike Lake

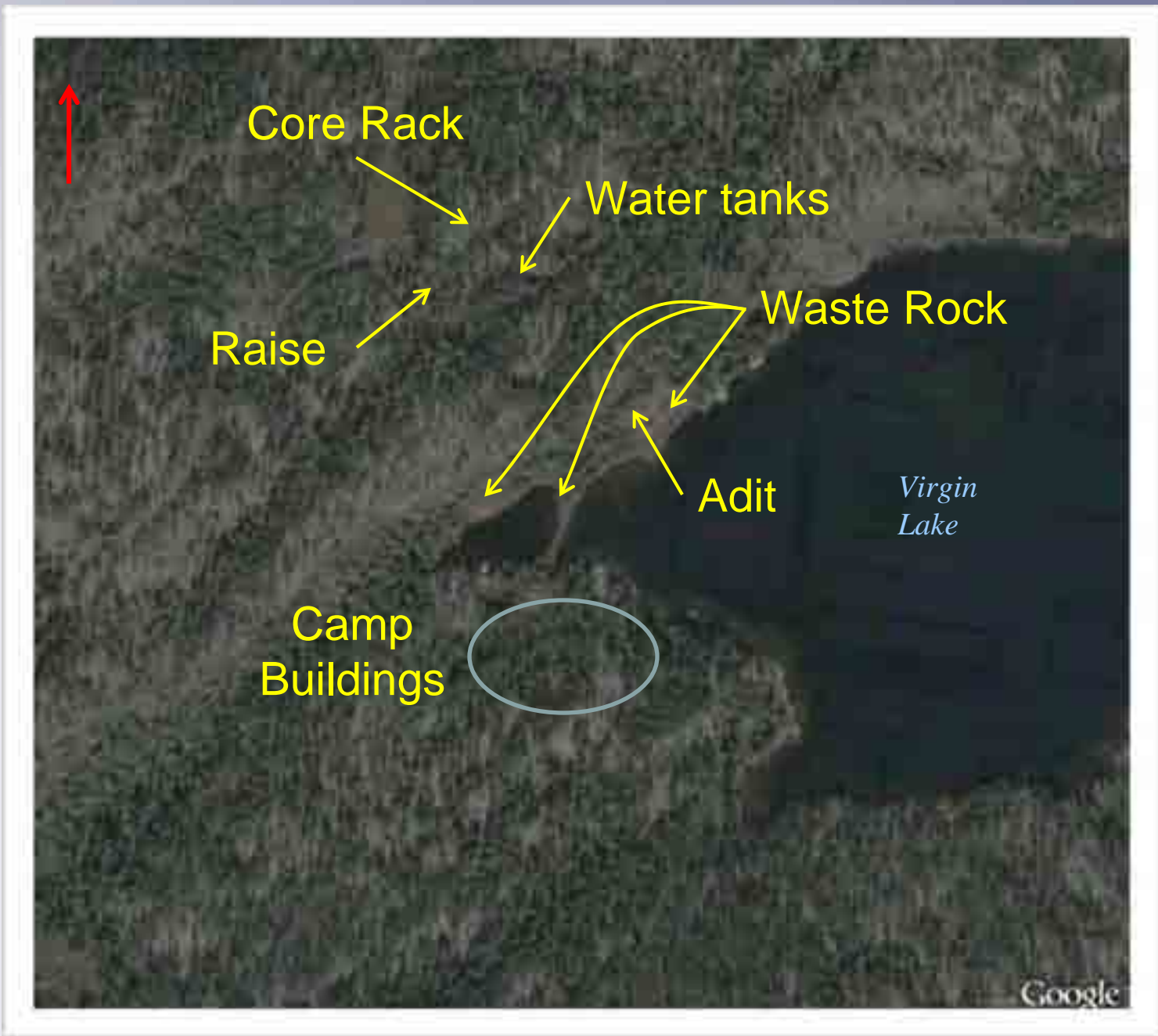


**Baska Dot Claim
mine site at
Virgin Lake**
10 km NE of Uranium City



**Baska Dot
mine site**

**Satellite
Image**



**Baska Dot site
waste rock and
steel debris**





Baska Dot site Open Raise



**Baska Dot mine site
looking south over Virgin Lake to camp area**





Baska Dot site

Open adit



Baska Dot Claim



Proposed remediation:

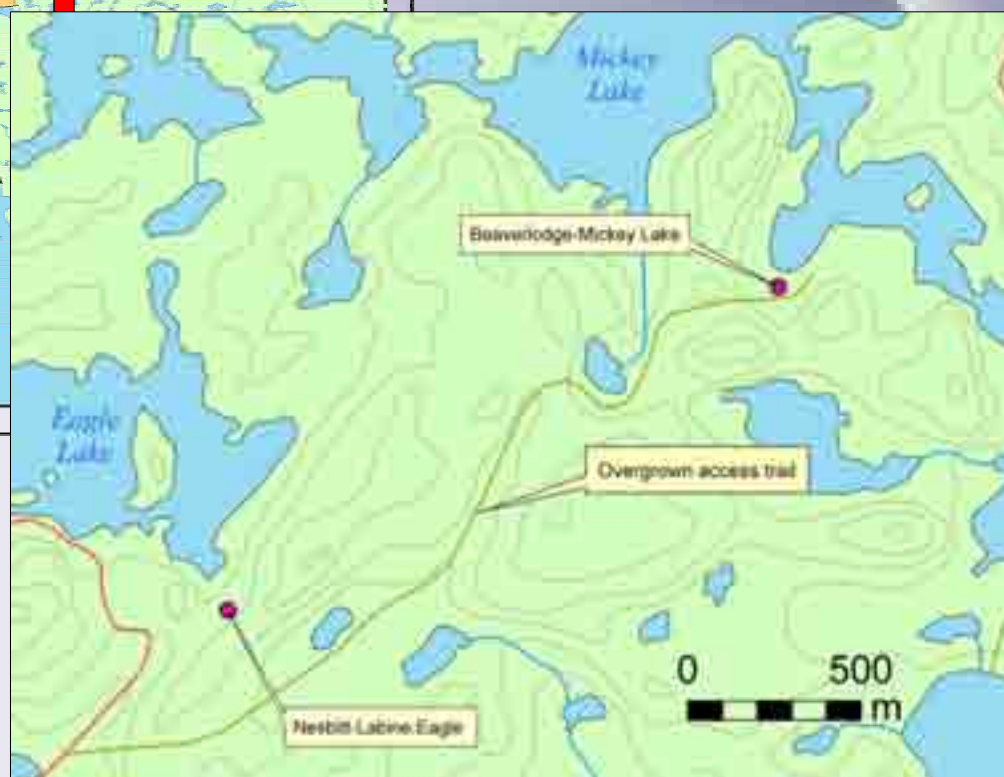
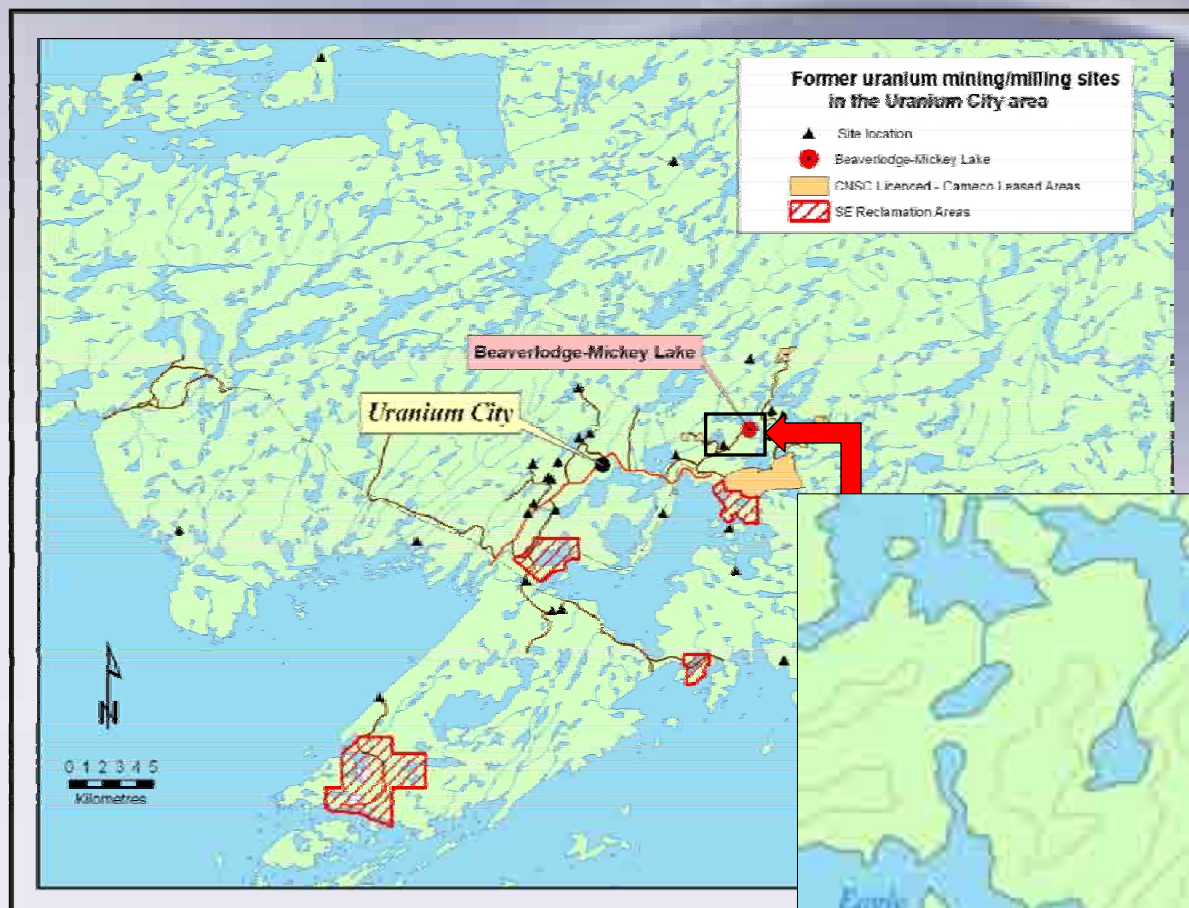
- ↳ Open trail to site from Nesbitt Labine, Eagle (6 km)
- ↳ Backfill adit with waste rock (twice the height)
- ↳ Seal open raise with “PUF” (polyurethane foam)
- ↳ Collect all steel debris: pipe, tanks, drill stem, rails, etc. (stockpile and remove from site at a time that will minimize damage to soil)

Baska Dot Claim (cont'd)



Proposed remediation:

- ↳ Search area for drill casings and cut flush to ground
- ↳ Remove debris from site for burial in Nesbitt LaBine, Eagle waste rock pile
- ↳ Collect all mine lumber: structures, racks, cribbing and burn at suitable time



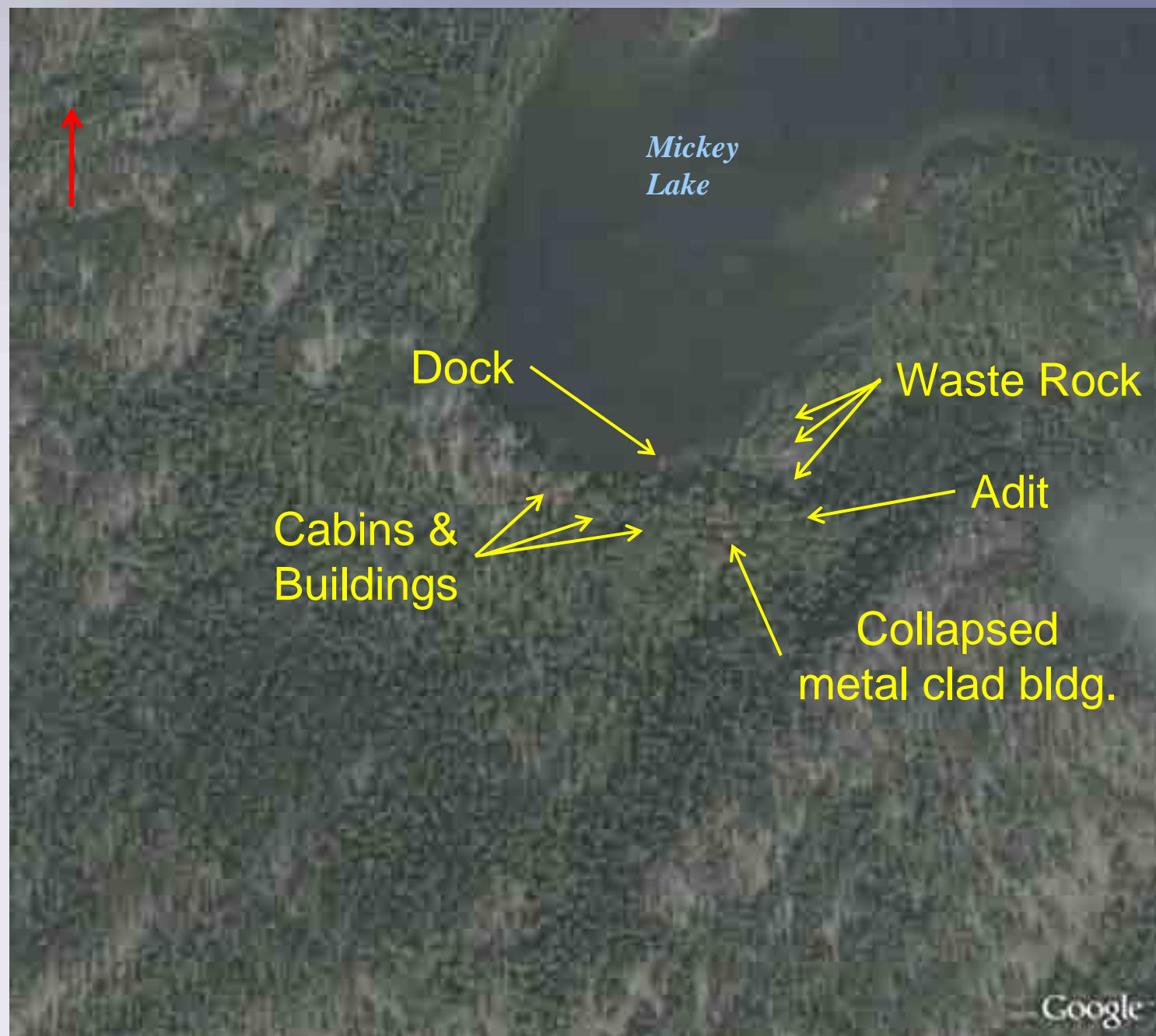
Beaverlodge-Mickey Lake mine site

8.5 km E of Uranium City



Beaverlodge- Mickey Lake Site

Satellite
Image



**Beaverlodge-
Mickey Lake site**



**Cabins
(current lease)**





**Beaverlodge-
Mickey Lake
Site**



Open Adit



**Beaverlodge-
Mickey Lake Site
Waste rock and
steel debris**

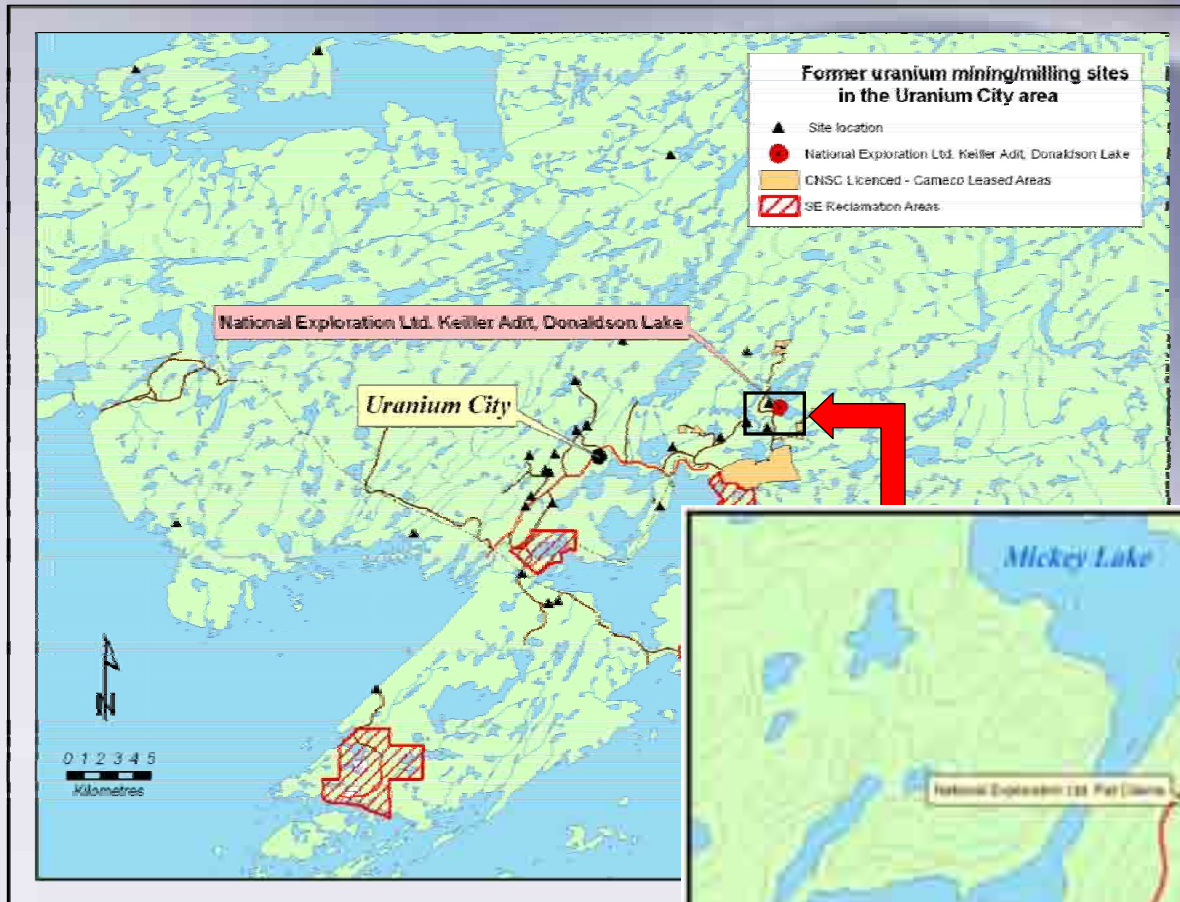


Beaverlodge - Mickey Lake



Proposed remediation:

- ↳ Open trail to site from Nesbitt LaBine Eagle road (2 km)
- ↳ Backfill adit with local waste rock
- ↳ Collect mining related steel debris: pipe, tanks, drill stem, rails, sheet metal building, etc.
- ↳ Remove debris from site and bury in Nesbitt LaBine waste rock pile
- ↳ Collect all mine lumber: structures, racks, cribbing and burn at suitable time
- ↳ Search mine area for protruding drill stem and cut flush



National Explorations Keiller Adit mine site near Donaldson Lake

10.5 km ENE of Uranium City





**National Ex.
Keiller Adit
Site**

**Satellite
Image**





**National Ex.
Keiller Adit
mine site**



**National Ex.
Keiller Adit
mine site**

**Waste rock
and debris**



National Explorations, Keiller



Proposed remediation:

- ↳ Open trail to site from National Exploration, Pat Claim trail (1.2 km)
- ↳ Remove steel pipe barricade from adit and scale loose rock
- ↳ Clear vegetation from waste rock and backfill adit
- ↳ Collect all steel debris: pipe, drill stem, rails, etc.
- ↳ Remove steel debris from site for burial in National Ex., Pat Claim waste rock pile
- ↳ Collect all mine lumber: structures, racks, cribbing and burn at suitable time

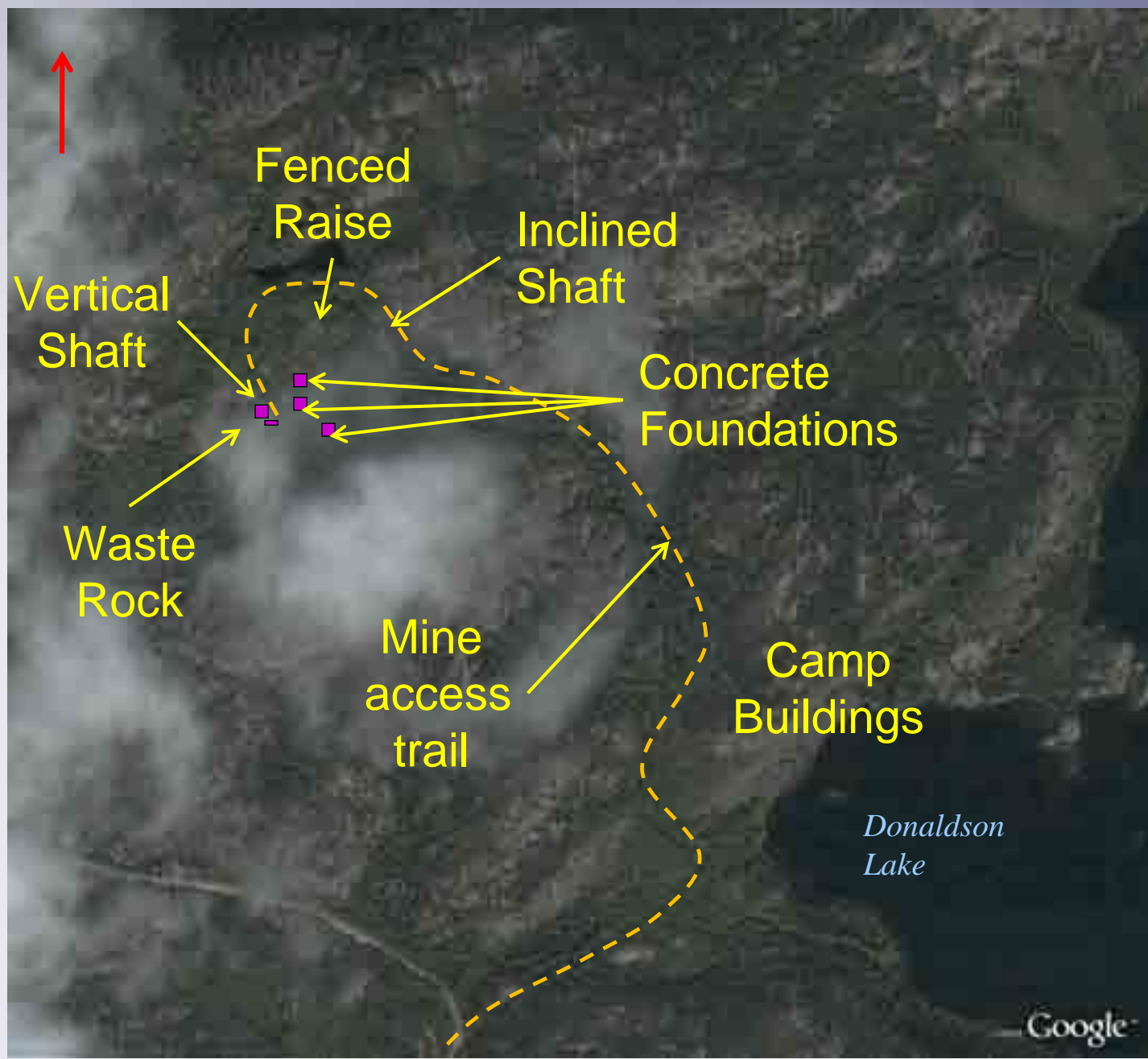


**National Explorations
Pat Claim
mine site**
9.5 km ENE of Uranium City



**National Ex.
Pat Claim
mine site**

**Satellite
Image**





**National Ex. Pat Claim
mine site
waste rock and
cracked concrete slab**





**National Ex. Pat Claim
mine site**

**Failing concrete
shaft cap**





**National Ex. Pat
Claim mine site
collapsed core rack
and core**





**National Ex. Pat
Claim mine site
Concrete
foundations**

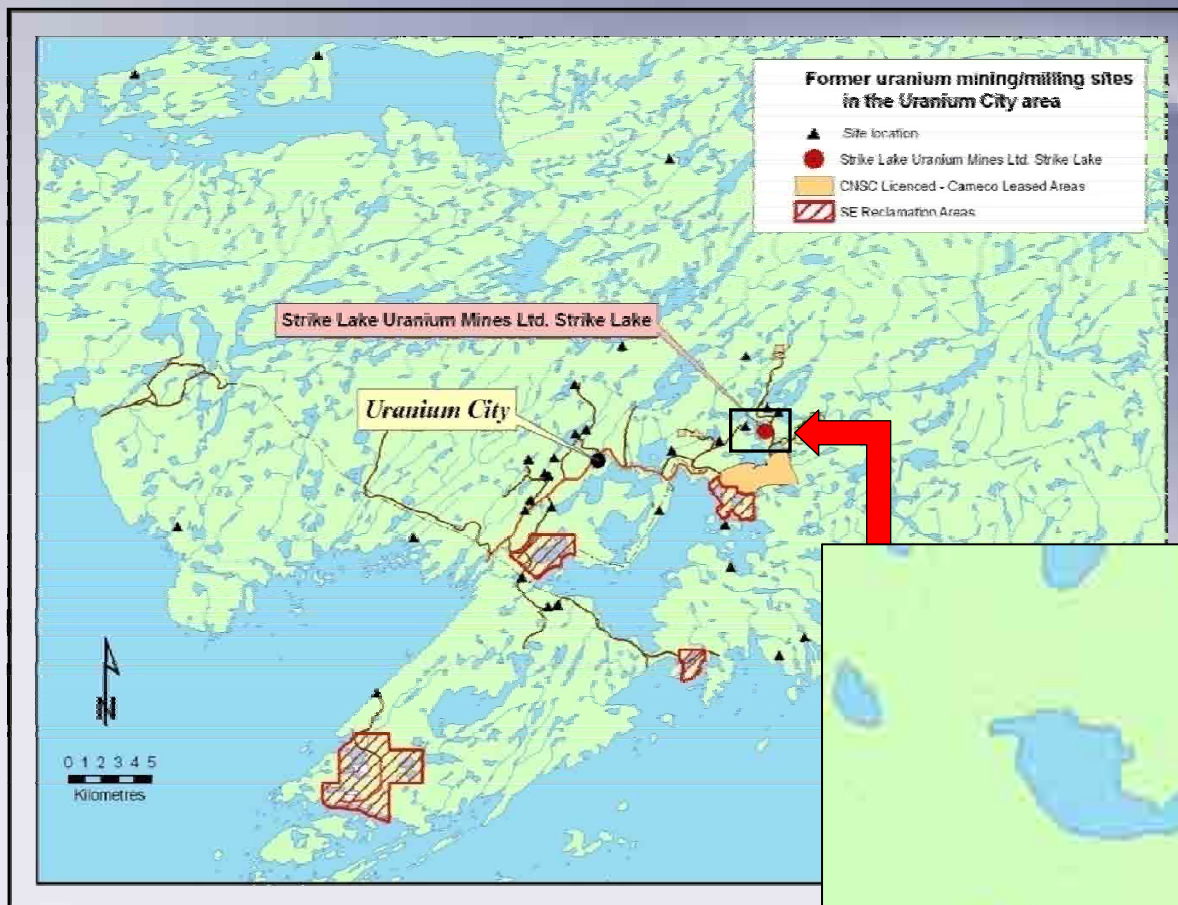


National Explorations, Pat



Proposed remediation:

- ↳ Open trail to site (2.5 km)
- ↳ Remove concrete cap and backfill with waste rock
- ↳ Remove rock from vertical raise and reseal with backfill
- ↳ Collect all steel debris: pipe, drill stem, rails, etc.
- ↳ Bury steel debris with waste rock (1m min. cover)
- ↳ Collect all mine lumber: structures, core racks, cribbing and burn at suitable time
- ↳ Level large waste rock pile
- ↳ Break up and /or bury concrete foundations with waste rock



Strike Lake mine site

6.0 km E of Uranium City



Strike Lake Adit

Satellite
Image



**Strike Lake
Adit**



2009 Satellite Site Plan



- ↳ Issue RFP for remaining Group 1 activities
- ↳ Additional sites to be considered:
 - ↳ Baska Dot – Claim
 - ↳ Beaverlodge – Mickey Lake
 - ↳ National Explorations, Keiller
 - ↳ National Explorations, Pat
 - ↳ Strike Lake

Request for Proposals



Anticipated RFP Timelines for 2009 Satellite Work:

Late November 2008 – Issue RFPs

Early December 2008 – RFP information sessions

Early January 2009 – RFP closing date

Gunnar Site



- ↳ SRC project proposal - April 2007
- ↳ Informed that Environmental Assessment is required
- ↳ Draft Project Specific Guidelines / Comprehensive Study Scoping Document
- ↳ CNSC One-day Hearing – September 17, 2008
- ↳ CNSC recommends that project continue as comp. study

Next Steps...

- ↳ Environmental Assessment Gap Analysis
- ↳ Conduct Environmental Assessment
- ↳ Continue to engage community and solicit feedback

Goals:

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

Lorado Site



- ↳ Received signed contract July 2008 adding Lorado to Project CLEANS
- ↳ Will be submitting letter of intent to regulatory agencies with regards to Lorado in near future

Gunnar/Lorado Site Safety



- ↳ Conducted site inspections of Gunnar/Lorado sites
- ↳ Issued request for quotations
- ↳ Evaluated quotations and issued contracts
- ↳ Successfully completed site safety activities

Gunnar Site Safety



- ↳ Repair/replacement of 24 signs
- ↳ Installation of new sign on Langley Bay tailings
- ↳ Repair barricades to prevent entry to buildings



Lorado Site Safety



- ↳ Repair/replacement of orange fencing on tailings area
- ↳ Repair warning sign

Before



After



Questions / Discussion

Thank You...



**Concept by a
student from
Fond du Lac, SK**

www.saskcleans.ca