

Independent Environmental Monitoring Agency

Public Watchdog for Environmental
Management at the Ekati Diamond Mine



Presentation to Proyecto Percan
September 27, 2003



CANADA

LEGEND

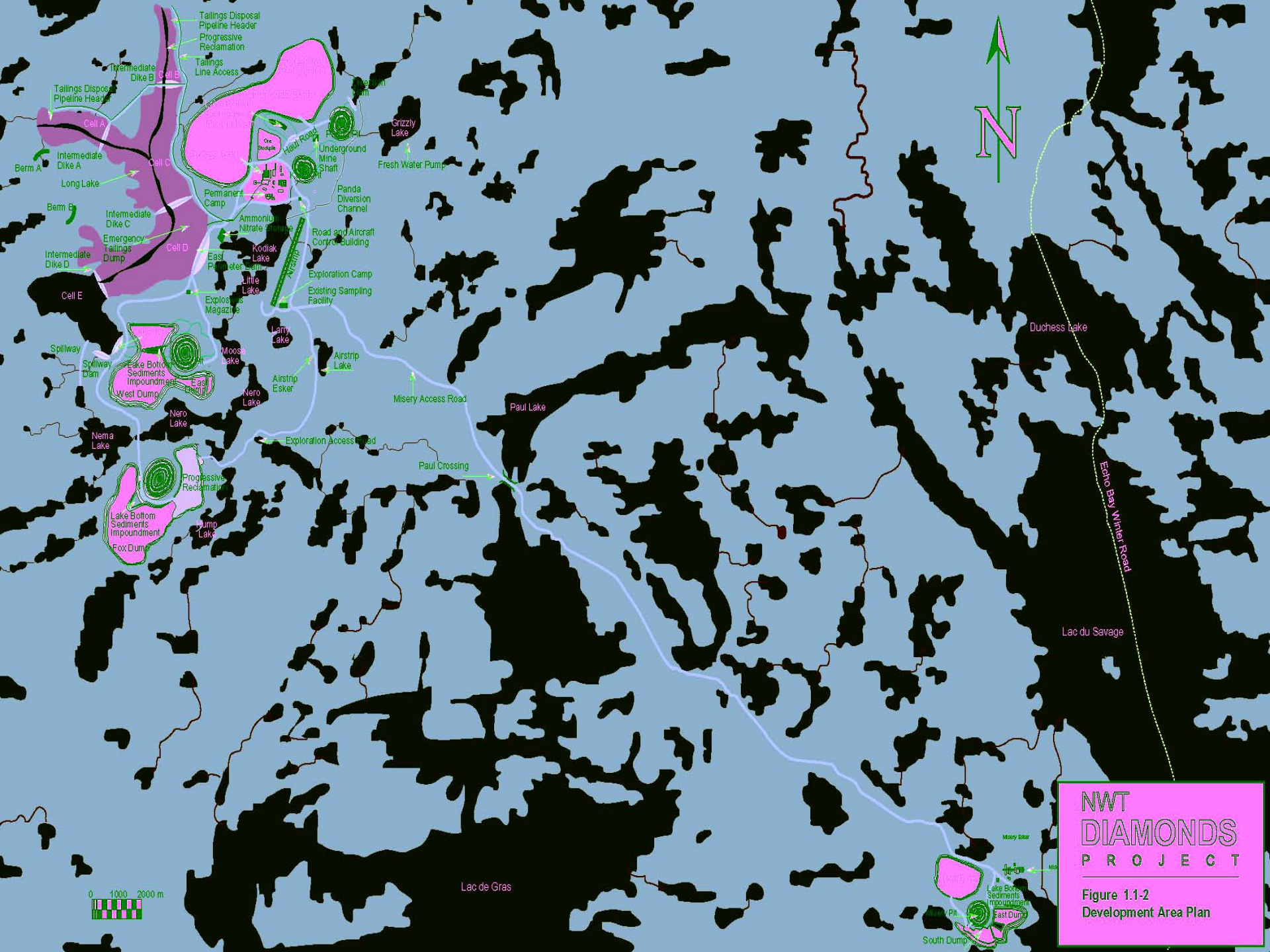
- ⊙ National capital
- Provincial or Territorial capital
- Other populated places
- International boundary
- - - Provincial or Territorial boundary
- ⋯ Exclusive 200 nautical mile Economic Zone (EEZ)

Scale









**NWT
DIAMONDS
PROJECT**

**Figure 1.1-2
Development Area Plan**





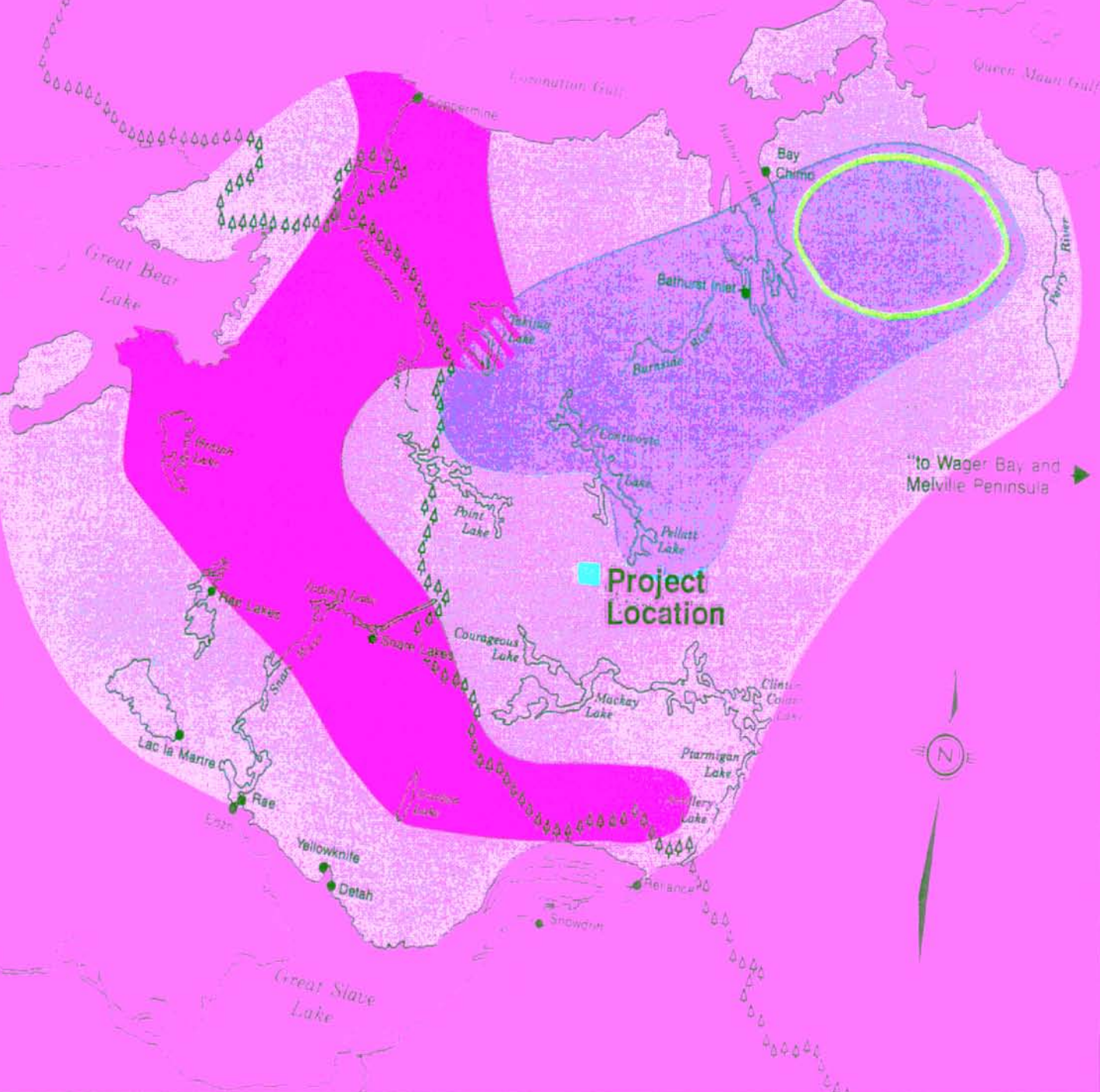










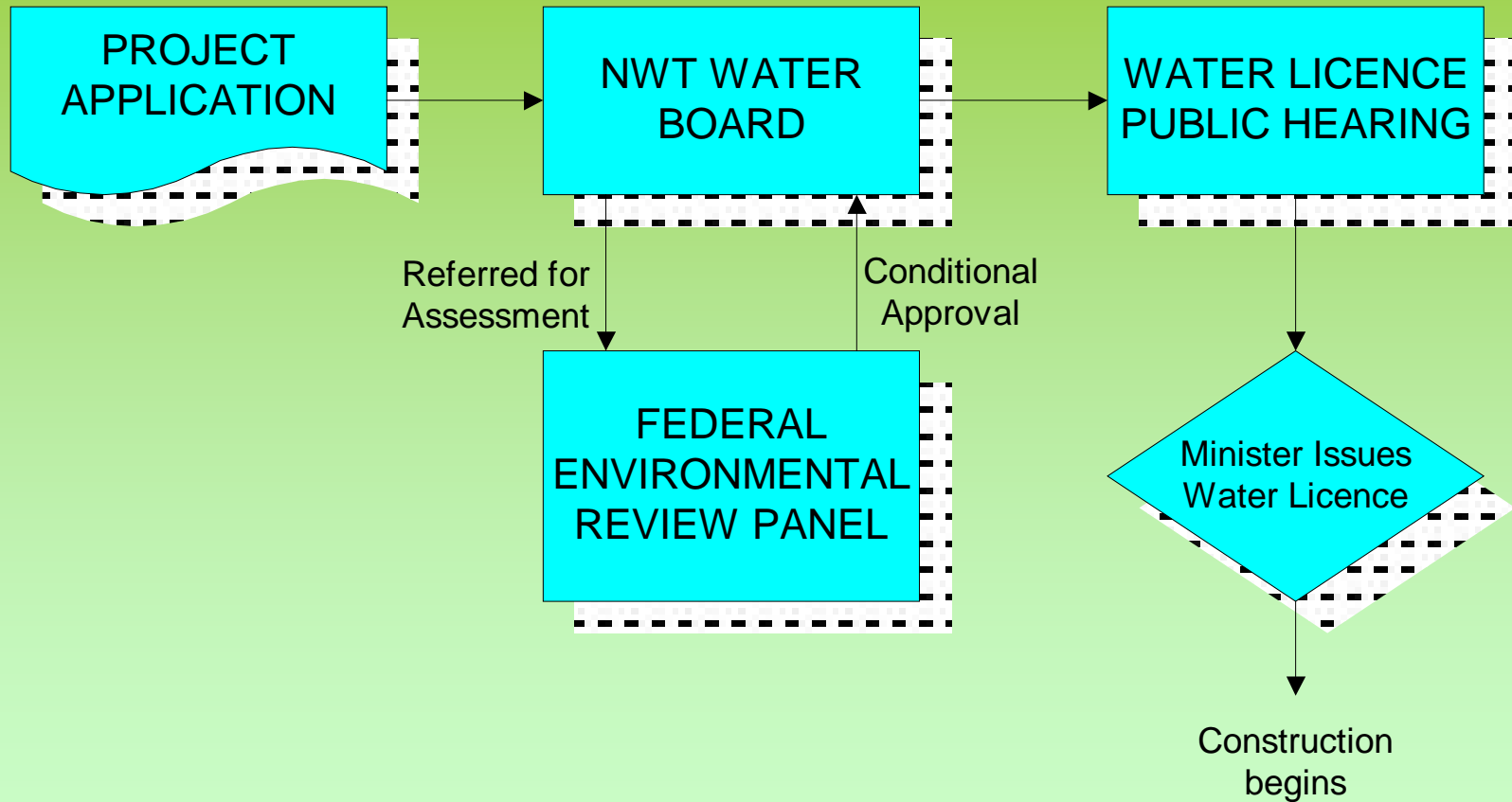


LEGEND

-  Typical summer distribution (June to mid-August)
-  Typical winter distribution (November to March)
-  Remainder of total range
-  Calving area
-  Treeline
-  Communities

**NWT
DIAMONDS
PROJECTS**

Approval Process



Regulatory Instruments & Agreements

REGULATORY INSTRUMENTS

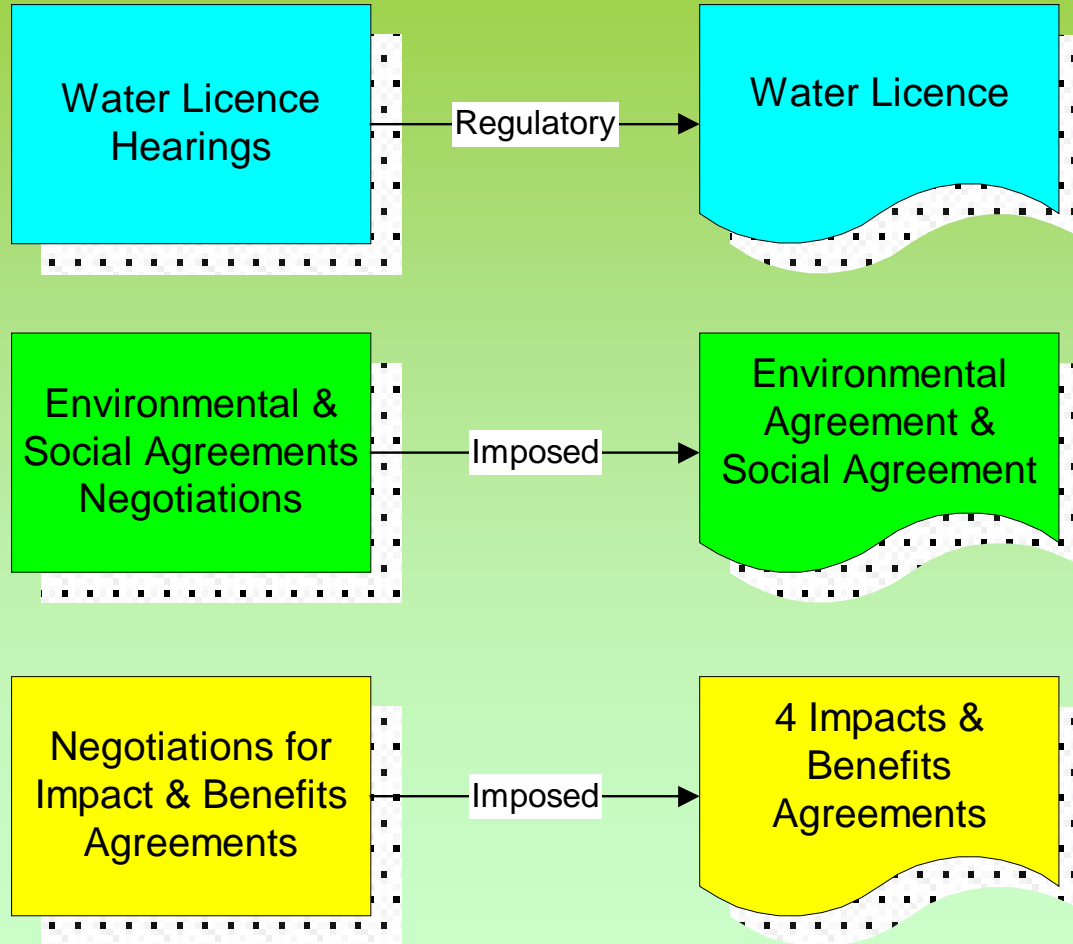
- land lease & land use permits (Mackenzie Valley Land & Water Board)
- water license (Mackenzie Valley Land & Water Board)
- Authorisation to destroy fish habitat (federal)
- Approval to affect navigable waters (federal)
- Approval to manufacture explosives (federal)

IMPOSED AGREEMENTS

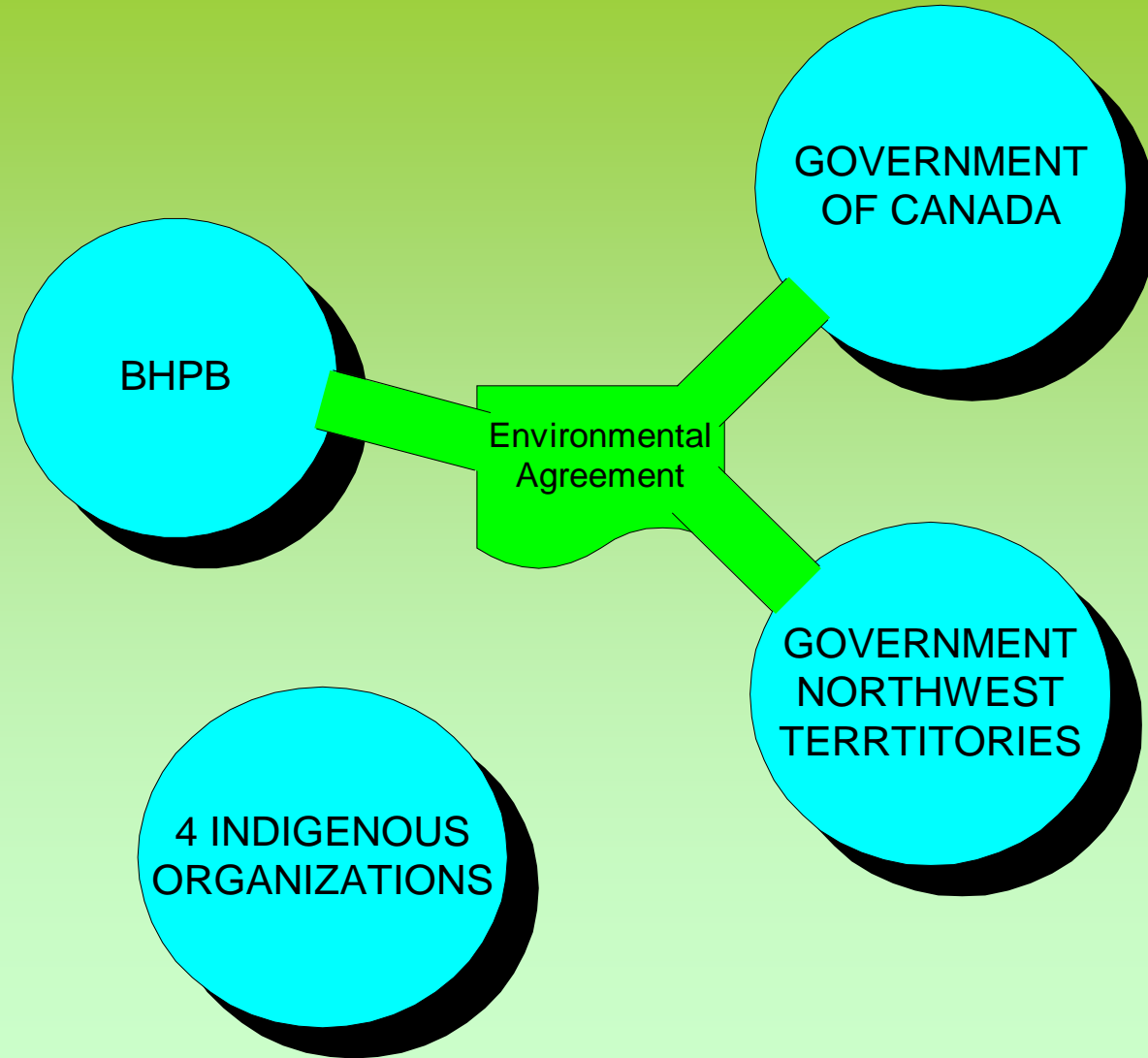
- Environmental Agreement
- Socio-Economic Agreement with GNWT
- Impact and Benefit Agreements with Aboriginal Organizations



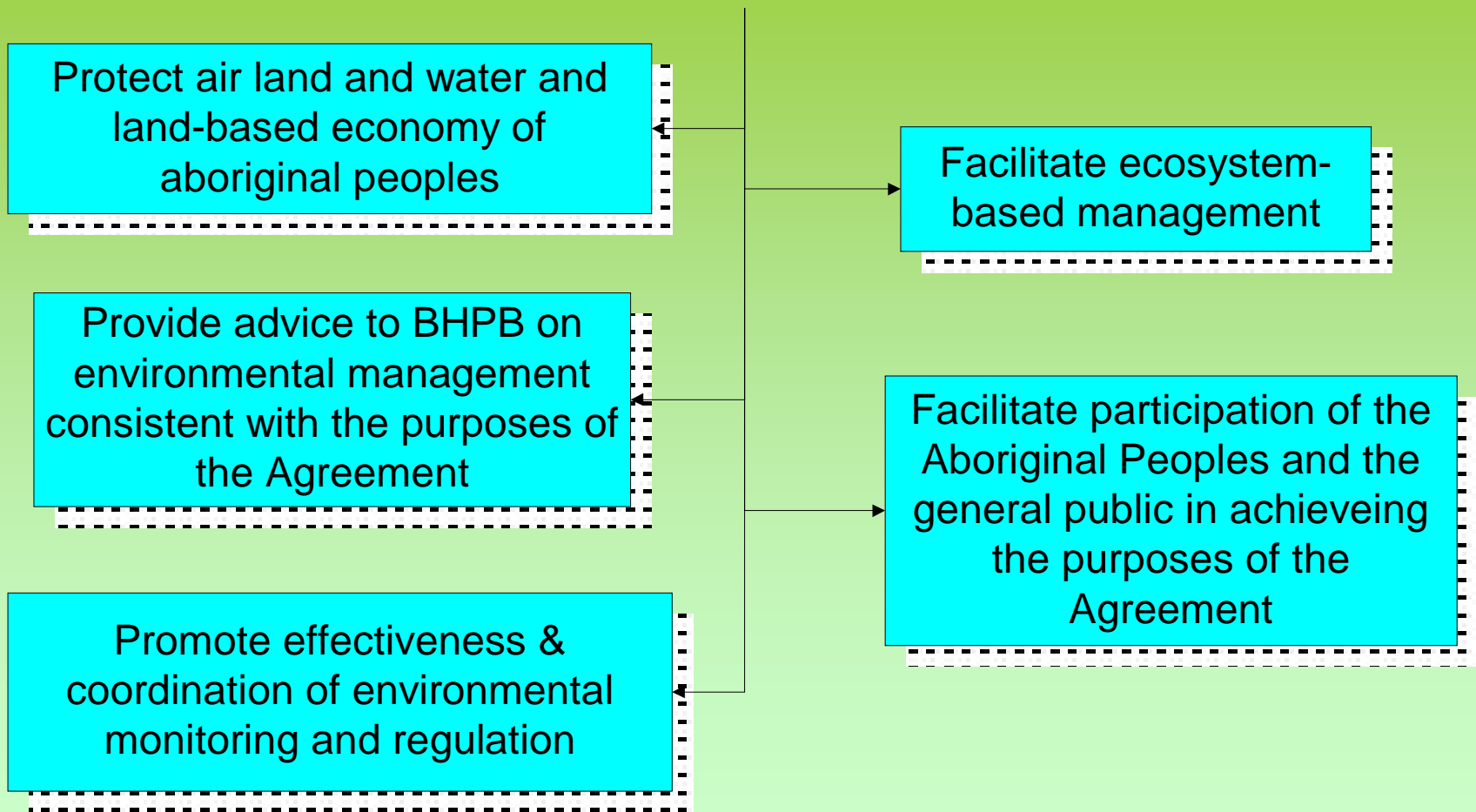
3 Separate Processes



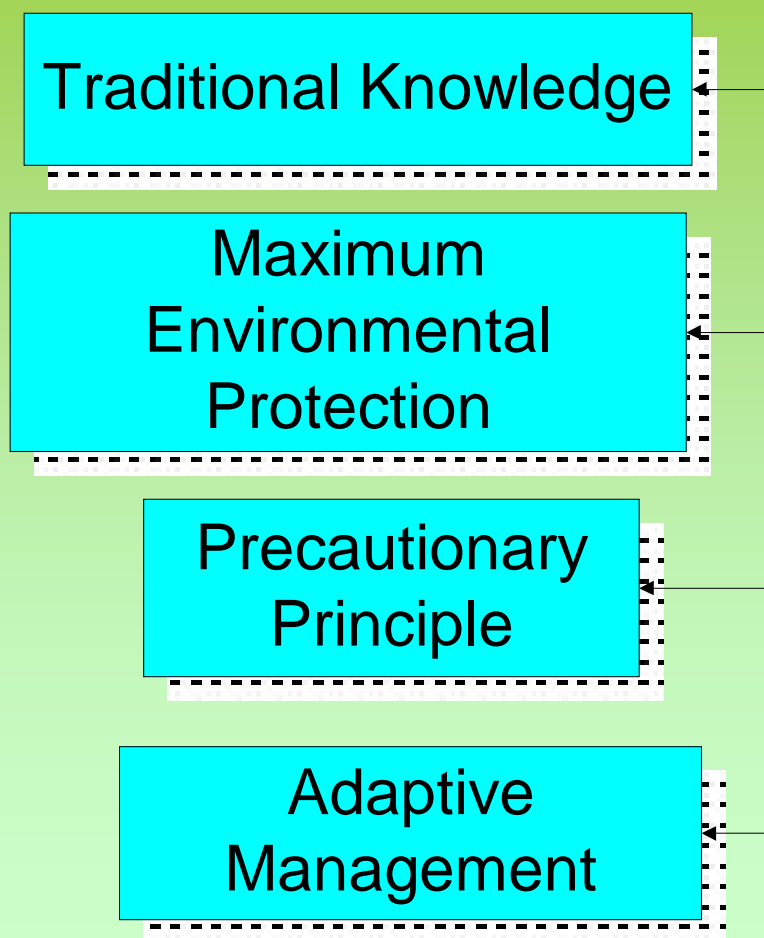
Environmental Agreement



Purposes of Environmental Agreement



Guiding Principles of Environmental Agreement

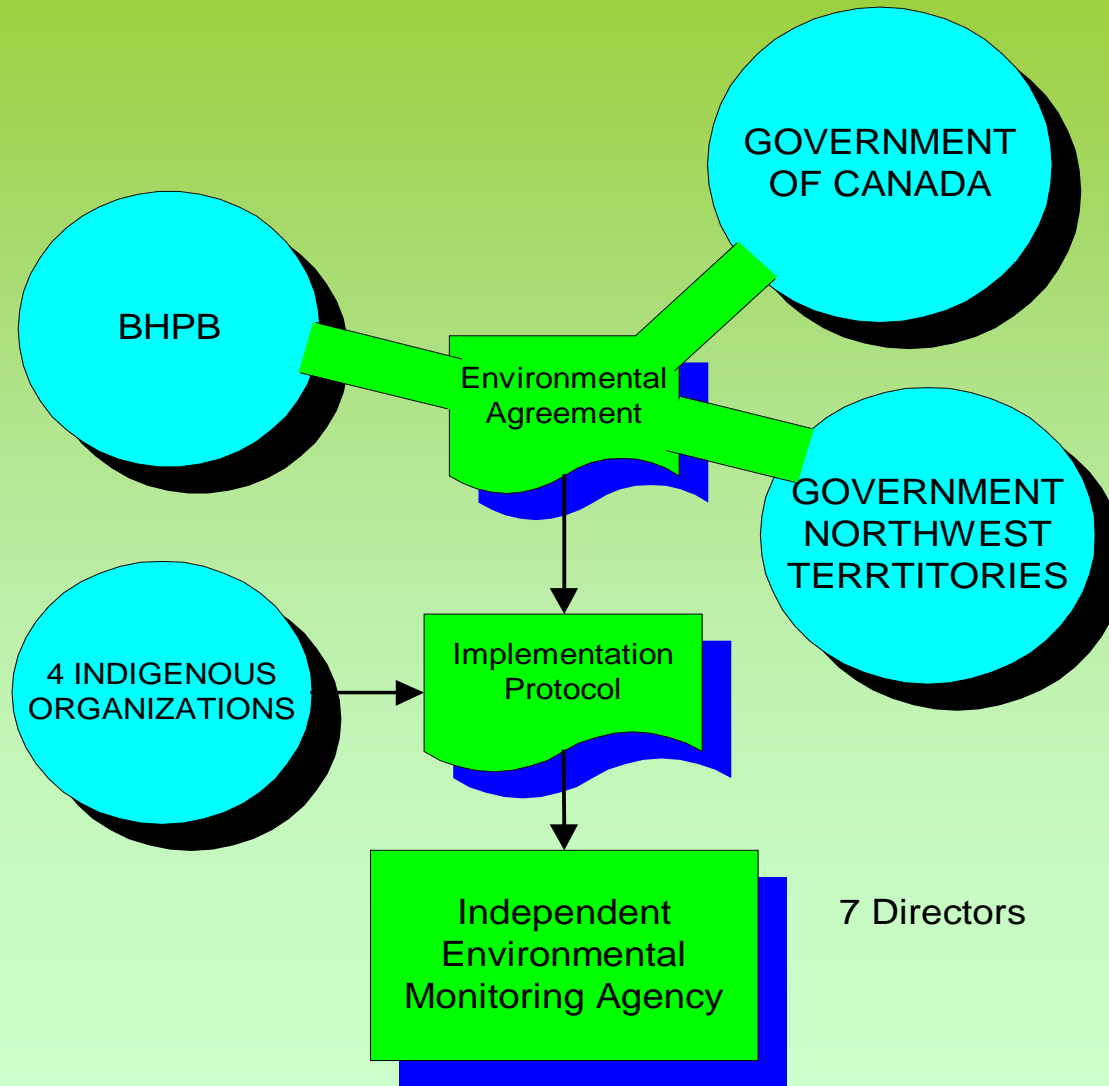


Highlights of the Agreement

- Annual environmental report
- Environmental Impact Report (every 3 years)
- Environmental Management Plans
- Environmental monitoring programs (Wildlife & Aquatic Effects)
- Closure and Reclamation Plan
- Traditional Knowledge (TK) Studies
- Reclamation research, ore toxicity, other studies as required
- Security deposit
- Independent Environmental Monitoring Agency



Monitoring Agency



Mandate of the Agency

- To provide an **integrated approach** to achieving the purpose of the Agreement
- To be a **public watchdog** of the regulatory process and the implementation of this Agreement
- To review relevant environmental quality data in order to **report and make recommendations** concerning:
 - environmental effects monitoring & management
 - government and BHP reports & activities on compliance
 - effectiveness of using of TK and experience of indigenous peoples



Mandate of the Agency (cont'd)

- an **intervenor** in regulatory processes respecting environmental matters
- to establish a **public repository** of environmental data, studies and reports relevant to the project
- programs for the effective **dissemination of information** to the indigenous peoples and the general public about the project



Meeting The Goals

- Directors Meetings (6 per year) and Annual General meeting
- Review and evaluate all environmental documents produced by BHPB and government agencies
- Intervene in regulatory processes to expand or modify the Ekati operation
- Produce publications, including Annual Report
- Meet with communities and community representatives
- sponsor and participate in community & technical workshops to improve environmental management



Agency Successes

- Early detection of several problems in affected lakes
- Early alert about acid mine drainage from waste rock
- Detection of inadequacy of air monitoring program
- Improved communication between aboriginal groups & BHPB regarding use of traditional knowledge
- Greater public awareness of how BHPB is doing at the mine site

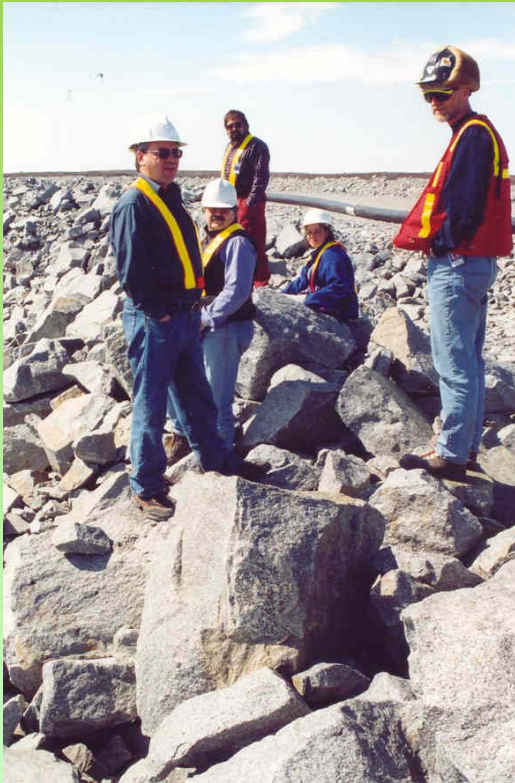
Improvements to wildlife effects monitoring & management



Reductions in truck traffic during caribou migration



Improved road design for caribou crossing



Standard roadside



Caribou friendly roadside

Improvements to Aquatic Effects Monitoring

