Management of Federal Oil and Gas Resources in Canada's Arctic Regions

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Overview

- Northern Frontier Lands Current Regime
- Opportunities and Constraints
- Evolution of Regulatory Regimes
- The Public Interest
- Conclusion



Evolution of the Offshore/Northern Framework

• 1960s and 70s:

 Exclusive federal government management of frontier lands, oil and gas management

1980s and 90s:

- Accords with Newfoundland (1985), Nova Scotia (1986) and Yukon (1992)
- Settlement of Aboriginal Land Claim Agreements

• 2000s:

- Devolution negotiations ongoing with Northwest Territories
- Devolution discussions with Nunavut
- Negotiations with outstanding Aboriginal land claimants



Northern Oil and Gas Regime

Frontier Energy Policy (1985)

North of 60: Indian and Northern Affairs South of 60: Natural Resources Canada

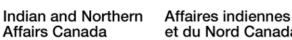
Legislation

Canada Petroleum Resources Act Canada Oil and Gas Operations Act Aboriginal Land Claims Agreements

Statutory Responsibilities

Oil and Gas Resource Management Rights Issuance and Administration Rights Registry **Benefits Administration Royalty Administration**

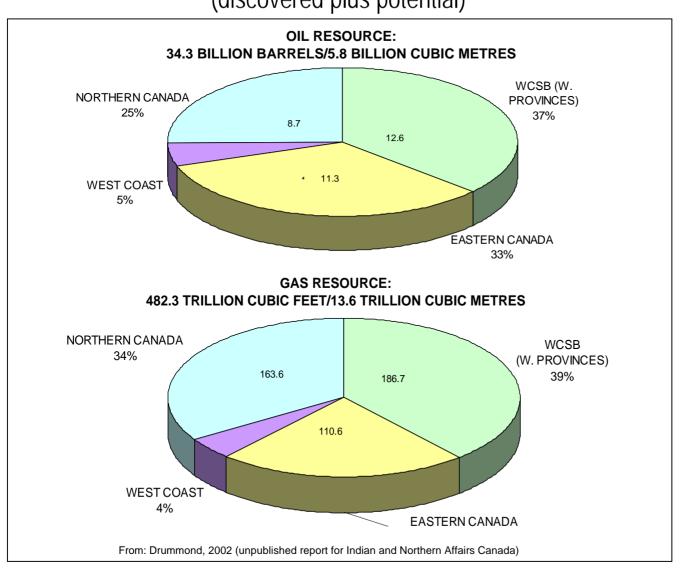




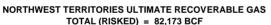


Canada's Remaining Conventional Petroleum

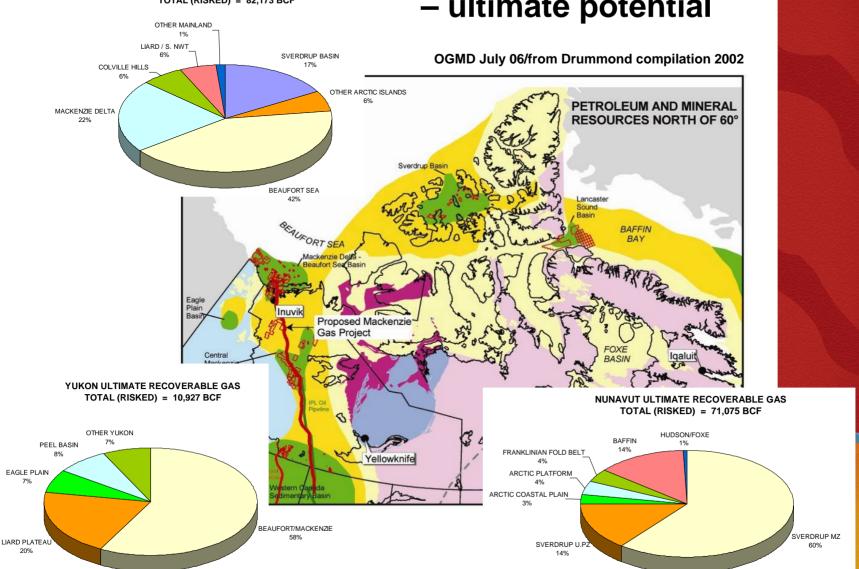
(discovered plus potential)



Indian and Northerr Affairs Canada



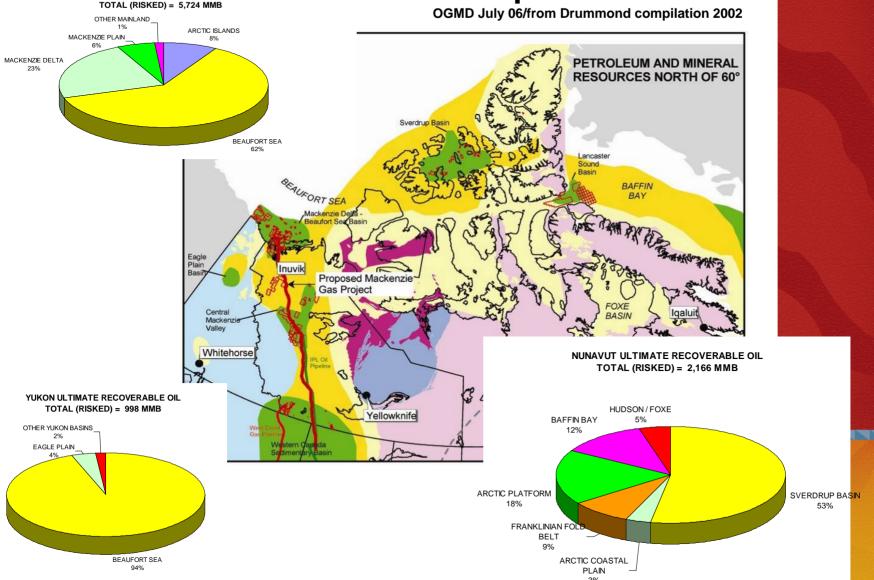
Northern Natural Gas – ultimate potential



NORTHWEST TERRITORIES UI TIMATE RECOVERABI E OII



Northern Conventional Oil – ultimate potential





CPRA: Rights Issuance

- Market-driven Call for Nominations
- Bidding process Call for Bids
- Single bid criterion:
 - Cash

or

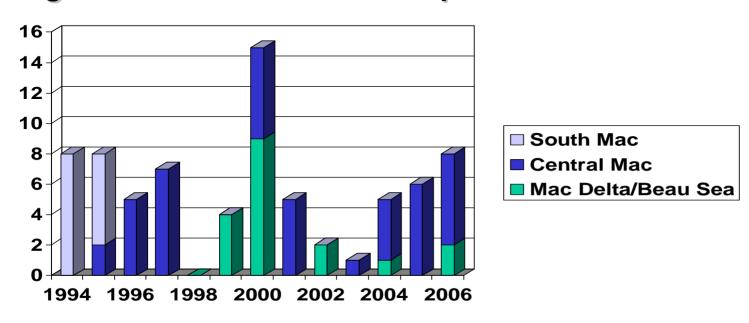
Dollar value of work commitment

Oil and Gas Dispositions

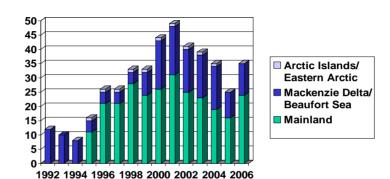
Oil and Gas Titles:

- Exploration Licence
 - Maximum tenure 9 years
- Significant Discovery Licence
 - Indefinite tenure
- Production Licence
 - Maximum tenure 25 years, but renewable if producing

Rights Issuance – New Exploration Licenses

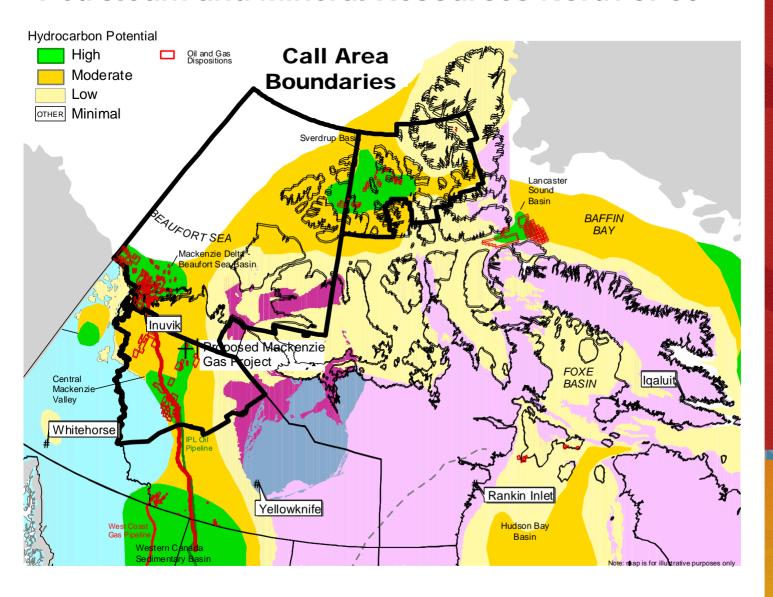


Operations – Number of Exploration Licences:

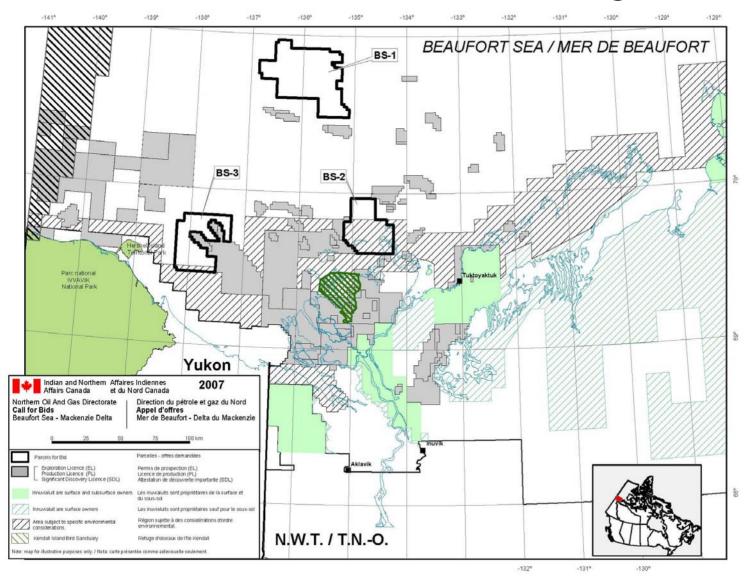




Petroleum and Mineral Resources North of 60°

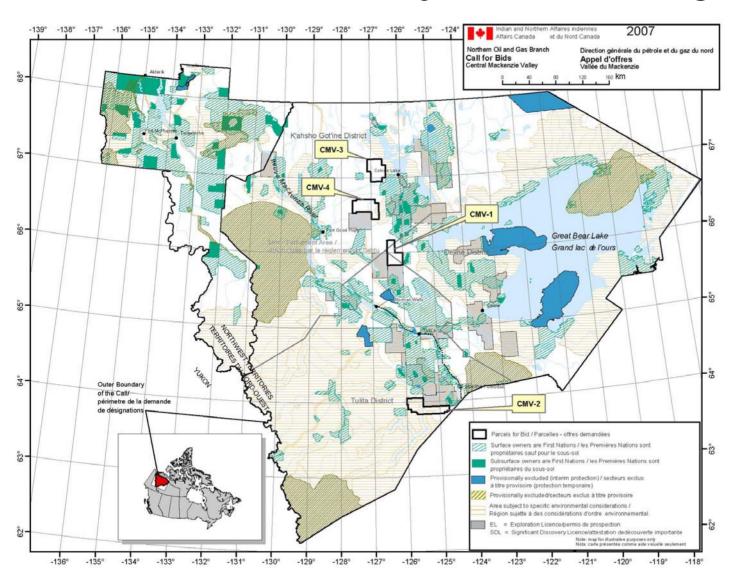


Beaufort-Delta: Crown Leasing



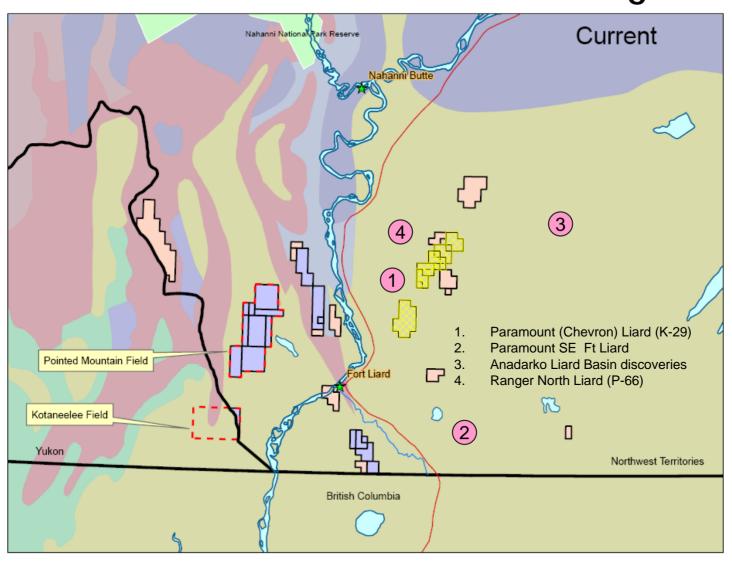


Central Mackenzie Valley: Crown Leasing

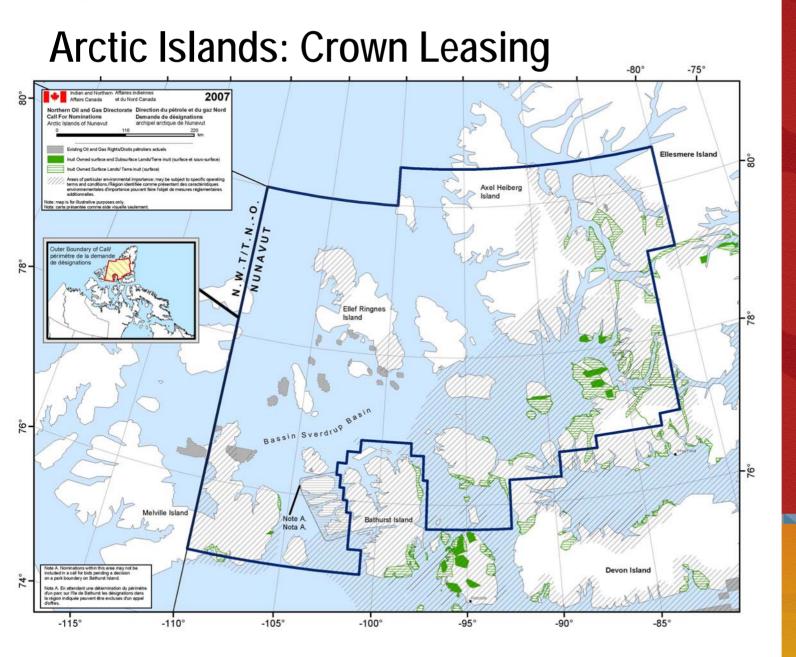




Fort Liard Area, NWT: Crown Leasing



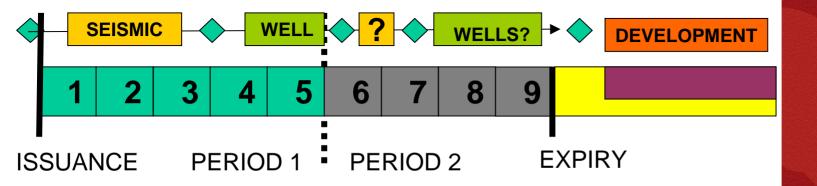






Life Cycle of an Exploration Licence

(maximum nine-year term)



[But – five years may mean only four to five operating seasons!]

Flexibility in term up to 9 years, periods, work program tailored to exploration region and by policy surrender partial or entire at any time



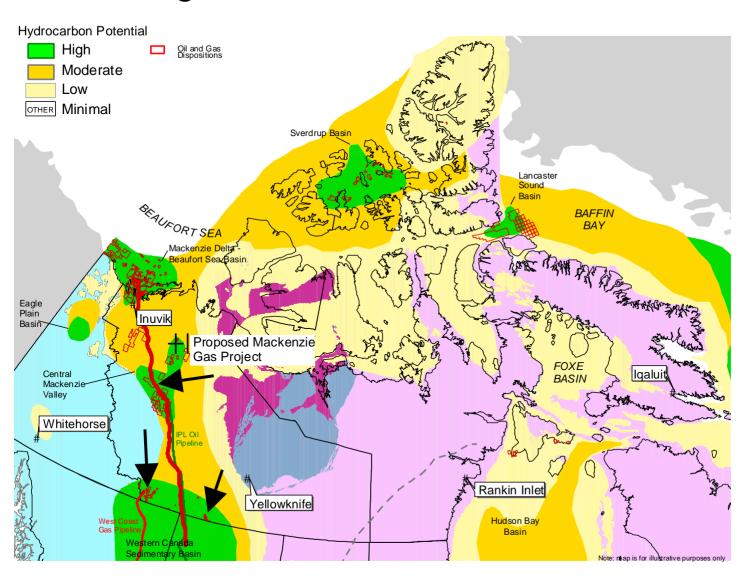
Fiscal Policy & Royalty Administration

Frontier Lands Petroleum Royalty Regulations:

- profit and investment sensitive to encourage northern activity
- very low rates prior to project payout:
 - start at 1% of gross revenues
 - increase by 1 % every 18 production months
 - maximum is 5% of gross revenues
- after project payout, greater of:
 - 30% of net revenues or
 - 5% of gross revenues



Producing Fields



Northern oil and gas regime provides:

- · Opportunity for entry under established terms and conditions (Leasing)
- Fair process and certainty of regime
- Opportunity to pursue development
- Maximum opportunity to manage inherent risks of the game by providing exploration opportunity – regional scale calls for nomination
- Fiscal terms risk sharing



Benefits

- COGOA: defines "Benefits Plan": for the employment of Canadian and for providing Canadian companies with a full and fair opportunity to compete in the supply of goods and services
- Northern Benefits Guidelines: meet the economic needs of northern communities
- Land claims: provisions specific to claimants



Northern Expectations

- Aboriginal:
 - Land Access & Benefit Agreements Consultation and compensation
- Territorial Government: Socio-Economic Agreement





Regulatory Review – Certificates, Licenses, Permits



Office national de l'énergie





Applications for other licenses, permits and authorizations:

Inuvialuit Land Administration

Land use permit

Indian and Northern Affairs Canada

Land use permit, Crown lands in ISR

Environment Canada

CWS bird sanctuary permit

Fisheries and Oceans Canada

Transport Canada

Natural Resources Canada

GNWT

- MACA, Public Works & Services, ENR
- Aurora College

To sum up...

- Recent trends in Northwest Territories and Offshore point to strengths of northern oil and gas regime
- INAC collaborating with northern boards to strengthen regulatory system
- Encourage investment and economic opportunities from oil and gas exploration in Canada's North



The Public Interest

- Balancing Society's Goals
 - Economic wellbeing and growth
 - Social justice and equity
 - Peace, order and rule of law
 - Sovereignty
 - Environmental quality
 - National unity and cohesion



How to be Proactive

- Corporate social responsibility
- Consult with the stakeholders
 - Early and often
- Engage the concerned officials
- Complete applications
- Be flexible in project design
- The value of corporate image



Conclusion

- Many variants, but one legislative framework
 - Consistent, stable, market-based
- Increasing demands for social and industrial benefits and environmental responsibility
 - Response to Canadians' demands
- The bottom line is changing
 - Good corporate citizens succeed



Thank-you....



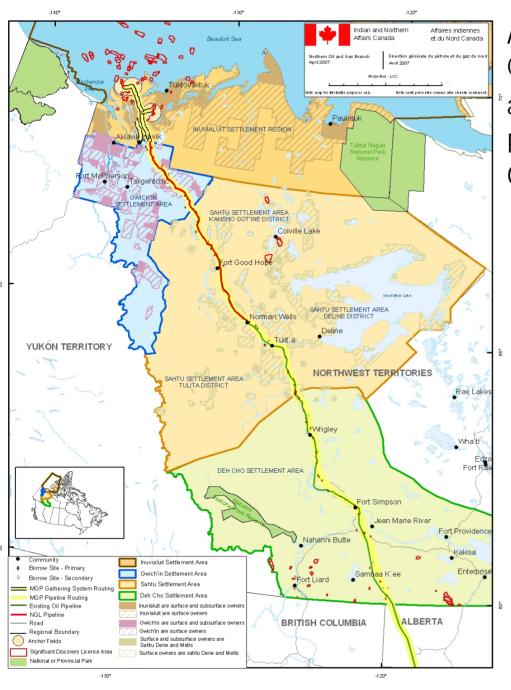
- http://www.ainc-inac.gc.ca/oil/index_e.html
 - Prospectus of Exploration Opportunities
 - Annual Reports
 - Link to oil and gas guides (regulatory roadmaps)

ANNEX

Background Slides







Aboriginal Land Claim Areas and Proposed Mackenzie Gas Project

Update – Northern Regulatory System

Drivers of Change

OAG Report

Industry

NWT Board Forum

Internal Departmental Review

Ministerial Commitments

Main Themes

Administrative Change

Internal repositioning

Legislative and Regulatory adjustments

Principles

Collaborative & inclusive

Visible

Balanced

Coordinated

Incremental

Respect for each parties' role





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2005 / 2006

A modern, responsive, integrated system, which has the confidence of, and provides operational certainty for, all stakeholders, including Aboriginal groups, industry, environmental groups, residents and all Canadians.

Administrative Change

Identify Board best practices/ Establish distribution process

Assess Board training needs/ Training, where necessary

Develop Board orientation Manual

Develop policy options re: pan-northern approach – intervener funding

Clarify Board roles and responsibilities

Develop products relating to Board strategic planning

Improve the departmental appointments process

Policy and Internal Repositioning

Examine Board roles re: consultation with Aboriginal groups

Review opportunities to Consolidate Board policy, financial & operational support

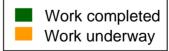
Clarification of key terms in the MVRMA

Legislative & Regulatory Adjustments

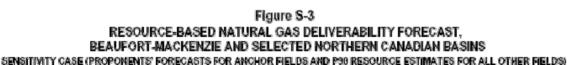
Joint MVRMA Examination Process

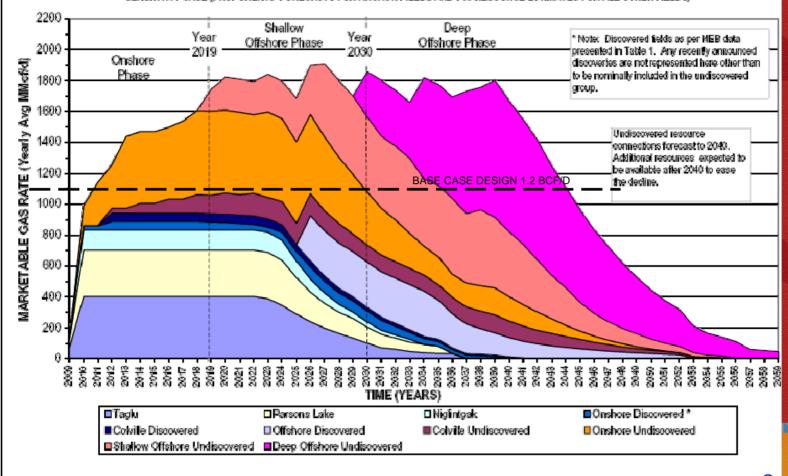
Respond to recommendations of NWT Environmental Audit (Part VI of the MVRMA)

Develop NWT water standards for use by the Boards









ADAPTED FROM SPROULE 2005

Sproule



From Plan To Panel

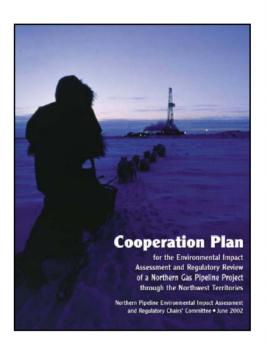
Cooperation Plan (since 2000)

Joint Review Panel (since 2004) per: IFA, MVRMA, CEAA

•7 members:

- 3 by MVEIRB (Gwichin, Sahtu, Dehcho)
- 2 by Inuvialuit
- -1 CFAA
- **1 NEB**









All Hearings All The Time

<u>JRP mandate</u>: <u>NEB mandate</u>:

Environmental Engineering & design

Social Routing & land matters

Cultural Development plans

Tolls & tariffs

3 types of hearings:

Community, General, Regulator for gas fields, gathering

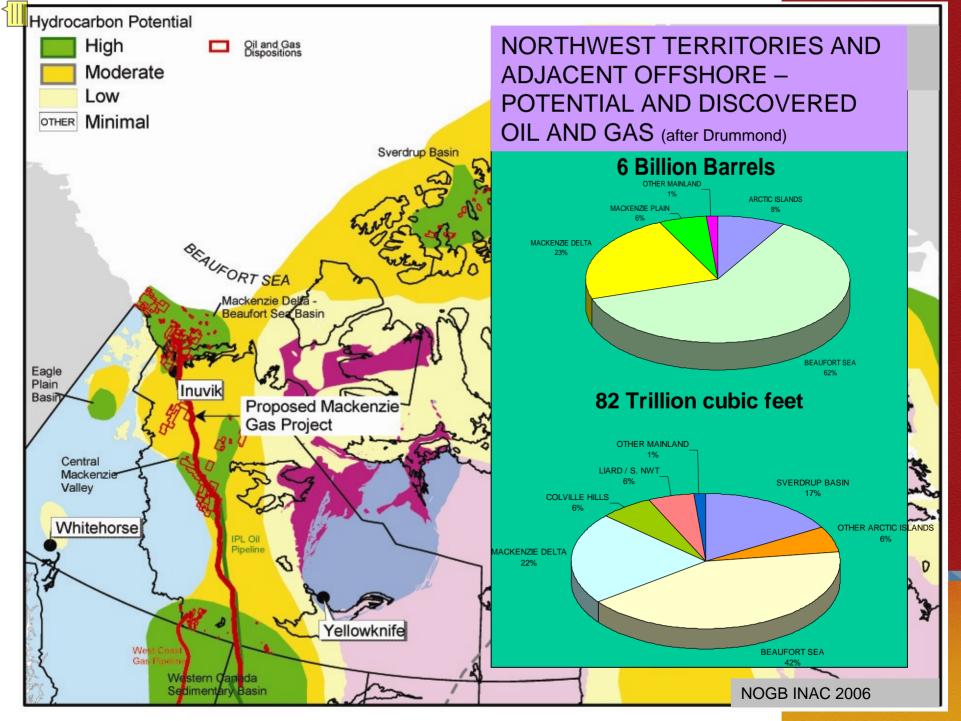
Technical system and two pipelines

27 communities: 12 communities: NWT, Alberta

NWT, Yukon, Alberta

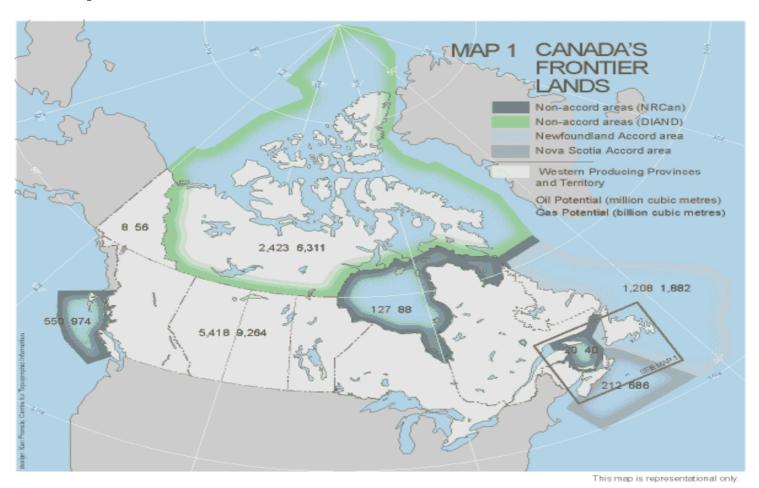
Hearings for Final Argument

yet to be announced

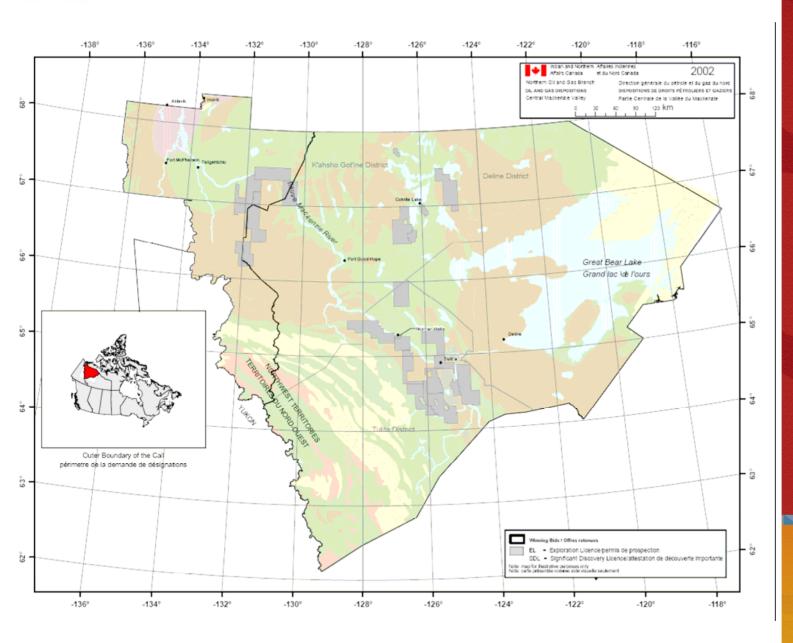




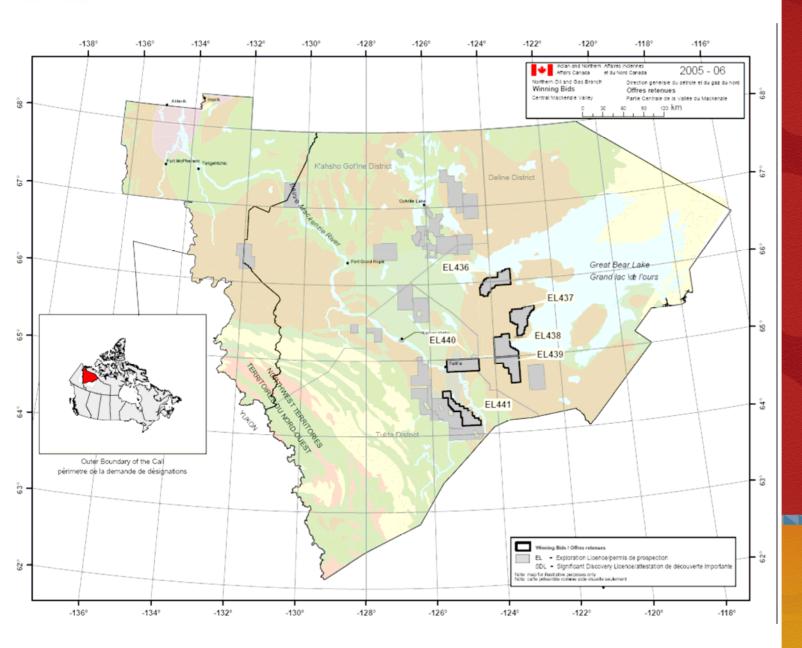
Map 1 - Canada's Frontier Lands











From evolution of recent exploration trends NWT can conclude that...

- Exploration interest stimulated by regional geological understanding of potential (unknown represents opportunity)
- Investment sustained by discoveries (eg. Colville Hills, Mackenzie Plain)
- Focus of interest shifts to new basins as new plays/ideas generated (eg. Great Bear Basin)

"Learnings" for Oil and Gas Management

- Difficult to predict where exploration interest will move
- Recognize limited state of geological knowledge and importance of building regional scale knowledge
- Recognize that exploration needs to manage exploration risk by ensuring opportunity is optimised



Indian and Northern Affairs Canada

Affaires indiennes et du Nord Canada

