

# Bathurst Inlet Port & Road (BIPR) Project

NWT Community  
Consultation

Yellowknife  
May 28<sup>th</sup> 2013



the **BATHURST INLET**  
**PORT AND ROAD PROJECT**

# Objectives of this presentation and of the Open House

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- To present you an overview of the Bathurst Inlet Port and Road (BIPR) project
- To obtain your feedback on the BIPR project

# Agenda

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- Who is presenting
- Objectives of the Meeting
- Where is BIPR located?
- About BIPR Company
- Historical and Current Background on BIPR
- Project Description Update
  - Port
  - Road
- Overview of Environmental Baseline Studies
  - Caribou maps
- Concluding comments

# Who is the BIPR Company?

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- The BIPR Company is a joint venture currently composed of GlencoreXstrata and Sabina Gold and Silver Corporation formed for the purpose of being the Bathurst Inlet Port and Road project proponent.
- The joint venture structure was created to allow for possible new partners in the future.
- GlencoreXstrata is the operator of the BIPR Company.

# Bathurst Inlet Port and Road

## Community Consultation May 28th 2013

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**Brad Ryder**

GlencoreXstrata, Corporate Affairs  
Manager

**Benoît Chassé**

GlencoreXstrata, Human Resources  
Director

**Robert Prairie**

GlencoreXstrata, Environment  
Director

**Julia Pigalak - Lacroix**

Hackett River, Human Resources

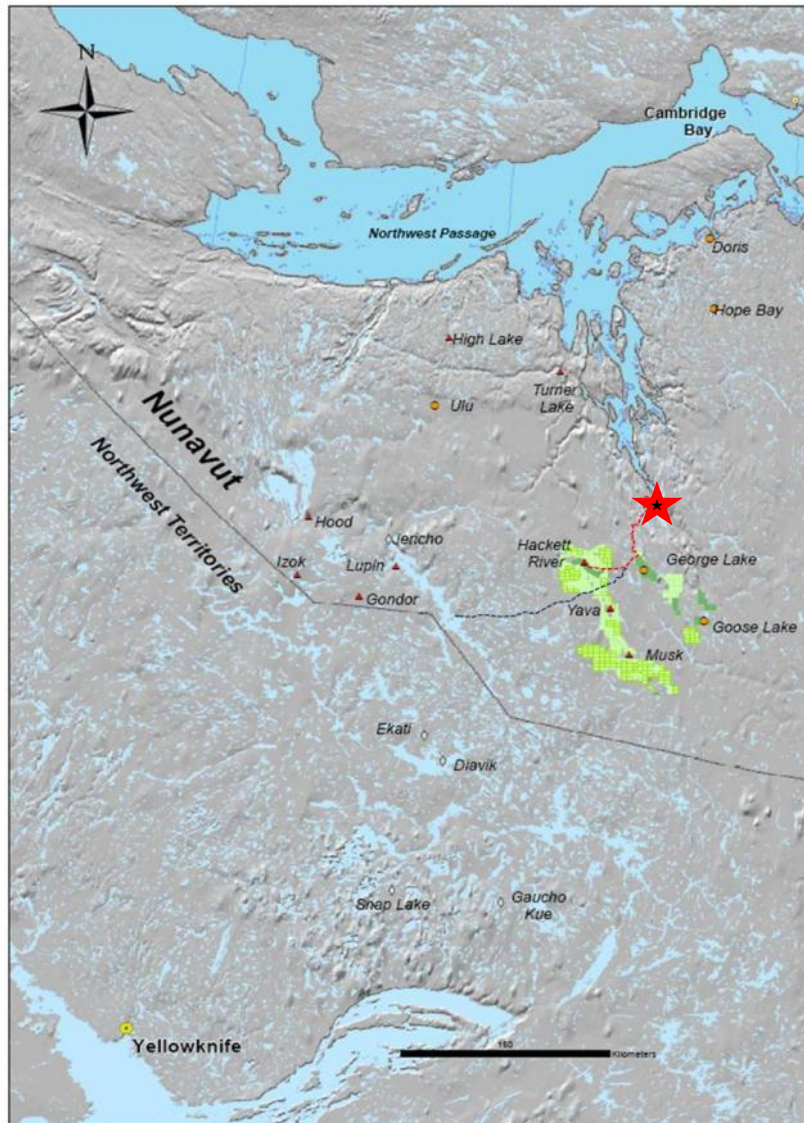
**François Landry**

ERM-Rescan, BIPR Project Manager

**Justine Townsend**

ERM-Rescan, Community Relations

# Location of BIPR Project



- Project located in the Kitikmeot region of Nunavut
- About 250 km southeast of Kugluktuk
- About 40 km south of Bathurst Inlet Hamlet

the **BATHURST INLET**  
**PORT AND ROAD PROJECT**



**Project Components:**

- Phase 1 Road
- Phase 2 Road
- ... Shipping Lane
- ★ Port

**Other Developments:**

- Winter Road
- ⊠ Operating Mine
- Gold Deposit
- Base Metal Deposit
- ◇ Diamond Deposit

**Phase 1 – upon approvals**  
 Port , Camp Facilities, Airstrip,  
 Fuel Tank Farm and 85km road  
 to serve Hackett River and Back  
 River mining projects

**Phase 2– pending future users**  
 132km road and camp at  
 Contwoyto Lake

# Project components

## Port Facilities

- wharf to serve vessels of up to 50,000 tons one at a time, with capability to handle barges serving the Kitikmeot communities
- 150 person camp
- 220 million L diesel fuel tank farm
- 1,200 m airstrip and heliport
- truck and trailer maintenance shop
- explosives storage and mixing plant
- sewage treatment plant
- cargo laydown area
- diesel power plant

## Road

- All-Weather Road
- 10 metre wide
- 217 km of road in total – 85 km during Phase 1 and 132 km during Phase 2 if approved
- 41 quarries identified for road construction







# Port Site Plan

# Airstrip



- 1,200 meters long
- Designed for Twin Otter, Dash-7, Buffalo, ATR-42
- Serve passenger/cargo from YK
- 6,400 Pax Round-Trips expected during 4-year construction

# History of BIPR Review Process

## Previous BIPR Project Proponent

Steps	Date
Submission of Initial Project Description	May 2003
Nunavut Impact Review Board (NIRB) issues Project Guidelines	Dec 2004
Submission of Draft Environmental Impact Statement (DEIS)	Jan 2008
Responses to Information Requests by intervenors	June 2008
Proponent informs NIRB that project is suspended	Aug 2008
NIRB compiled Technical Review Comments	Nov 2008
NIRB suspends Technical Review	Nov 2008
Proponent informs NIRB of its intent NOT to continue with the Environmental Impact Statement (EIS) review process	July 2011

# History of BIPR Review Process

## Current BIPR Project Proponent

Steps	Date
Proponent notifies NIRB of its intent to re-engage the EIS review process	March 2012
Proponent confirms to NIRB its re-engagement of the EIS review process with some changes to the project	Dec 2012
After consultation, NIRB determines that overall scope of project is the same but requested an updated BIPR Project Description	Feb 2013
Proponent submits updated BIPR Project Description	March 2013
NIRB issues amendments to EIS Guidelines	May 2013
Proponent intends to submit <u>New</u> Draft EIS	Planned for Summer 2013

# Development and Operation Timelines\*

Up to 2011

Baseline  
Conceptual  
engineering

2012-2013

Pre-Feasibility

2014-

Engineering  
Development /  
Construction

2016

Operation  
of the Road



\* Providing commitment from identified customers

# Bathurst Inlet Port and Road Environmental and Socio- Economic Baseline Studies

# Bathurst Inlet Port and Road

Baseline studies began in 2001

- Fish and Fish Habitat – lake and streams
- Aquatic Ecology – lake and streams
- Marine Environment – Port Site
- Wildlife
- Bedrock Geology
- Terrain
- Vegetation
- Atmospheric
- Metal Leaching/ARD
- Surficial Geology and Soils
- Traditional knowledge
- Community Consultation
- Economic



# Bathurst Inlet Port and Road

Baseline studies continued in 2007

- Aquatic Ecology – stream water and sediment
- Marine Environment – marine mammals and habitat
- Marine Environment – water, invertebrates, sediment, algae
- Vegetation – plant tissue
- Wildlife – birds, caribou
- Atmospheric
- Metal Leaching/ARD
- Community Consultation





# Bathurst Inlet Port and Road

Baseline studies continued in 2010

- Freshwater Aquatic Resources
- Freshwater Fish and Fish Habitat
- Marine Aquatic Resources
- Marine Fish and Fish Habitat
- Noise and Meteorology
- Marine Birds
- Hydrology
- Terrain and Soils
- Wetlands
- Ecosystem Mapping
- Human Health



# Bathurst Inlet Port and Road

Baseline studies completed in 2012

- Noise and Meteorology
- Hydrology
- Upland Breeding Birds
- Rare Plants
- Marine Shellfish
- Ocean Currents



# Wildlife

Motion-triggered Photos



Caribou using esker



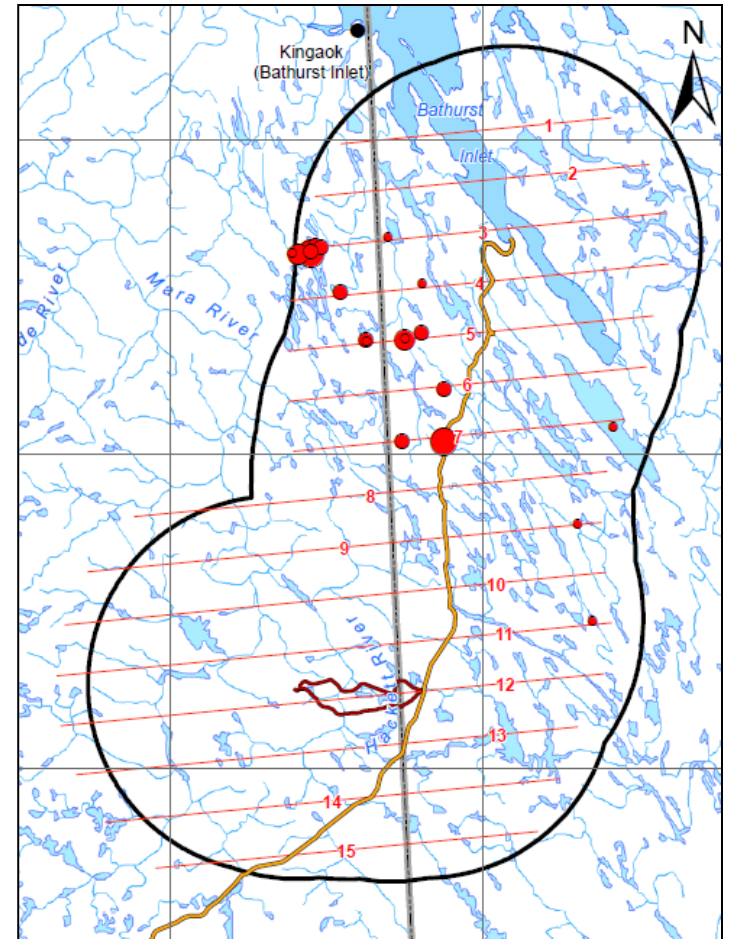
Caribou using esker



# Wildlife

## Study Objectives and Work to Date (2007, 2008, 2010, 2012)

- Record mammals and birds in the study area;
- Map wildlife habitat for important species;
- Conduct birds surveys – seabirds, ducks, raptors and upland birds;
- Map how caribou and muskox use the area; and
- Map and monitor dens – wolves, foxes and grizzlies.



# Environment and Wildlife

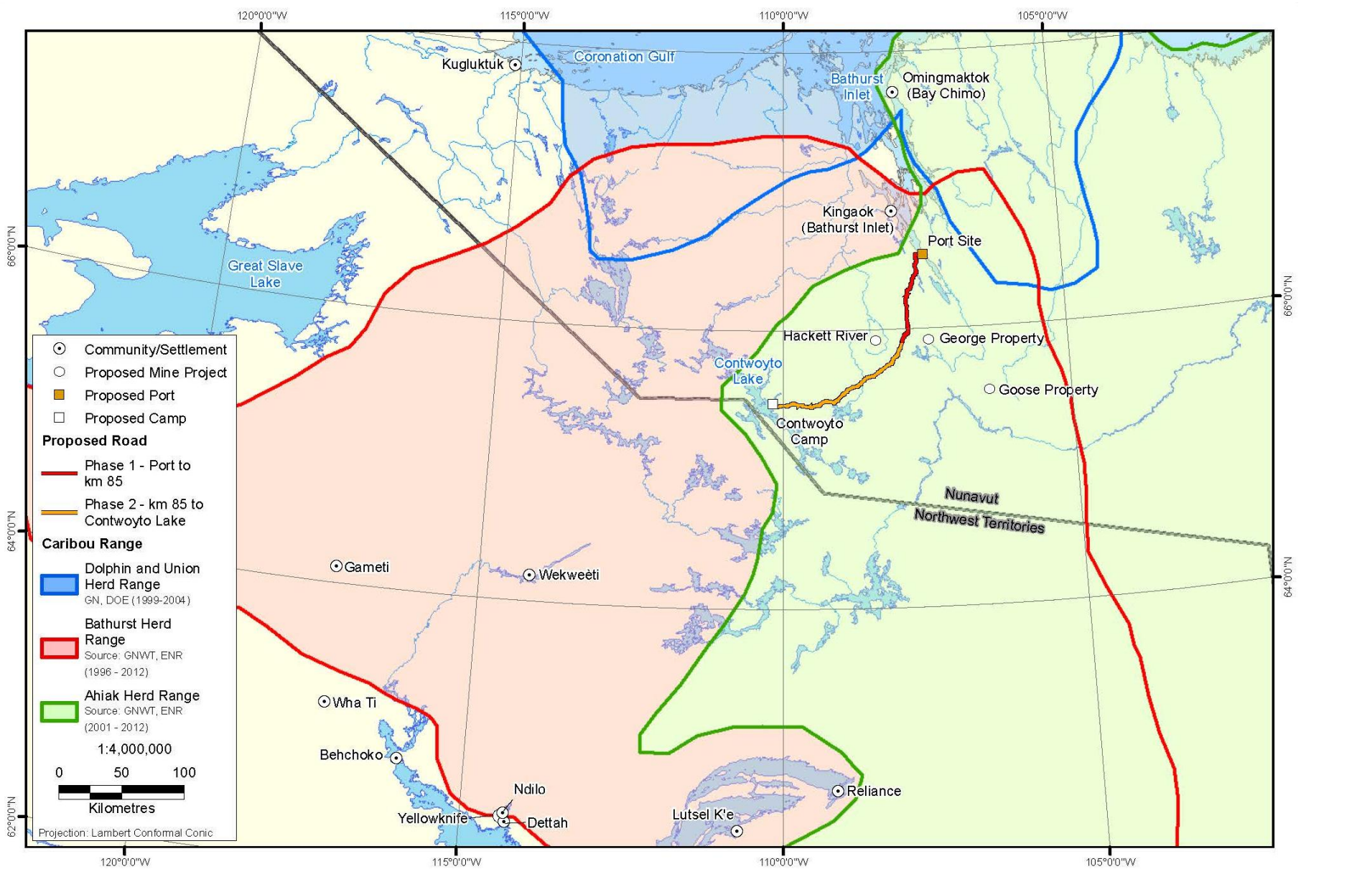
## Examples of Mitigation Measures

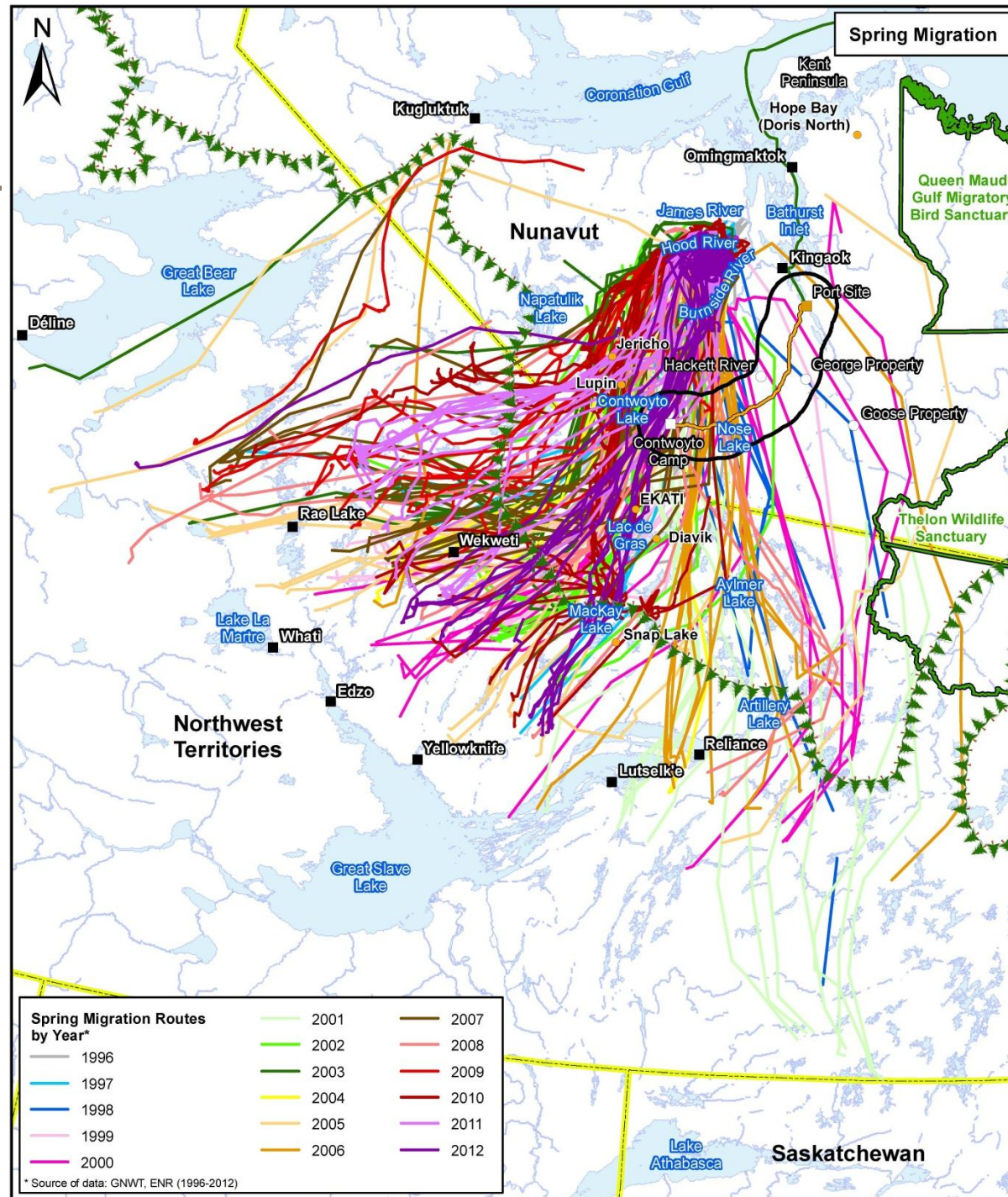
- Adapting road crossings to address caribou migration patterns
- Designing infrastructure to minimize impact on streams and lakes
- Designing environmentally-safe infrastructure by testing construction materials prior to use
- Designing for minimal impact upon closure
- Creating fish habitat to compensate for habitat impacts



# **CARIBOU ASSESSMENT**

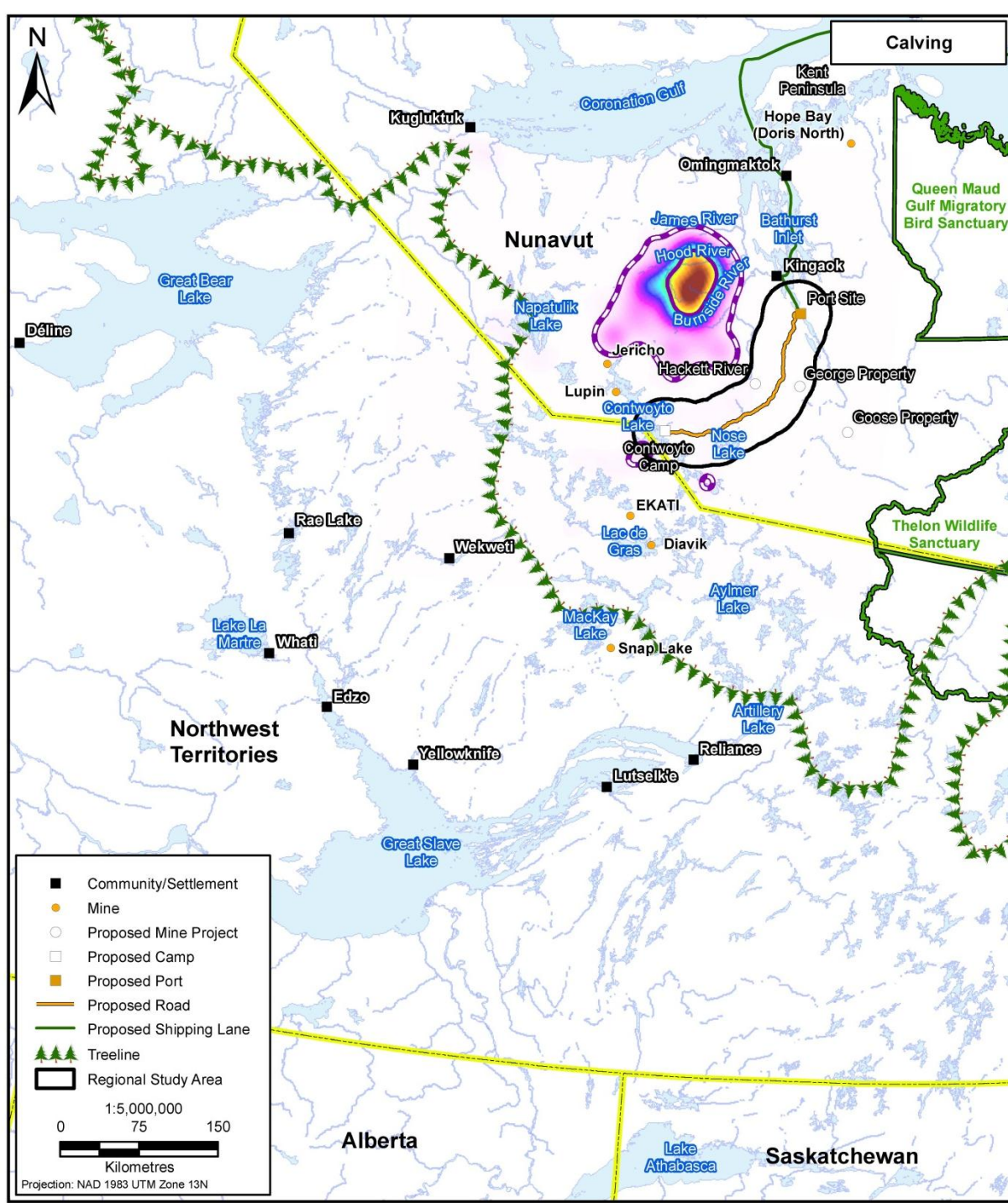
# Caribou Herds in the area



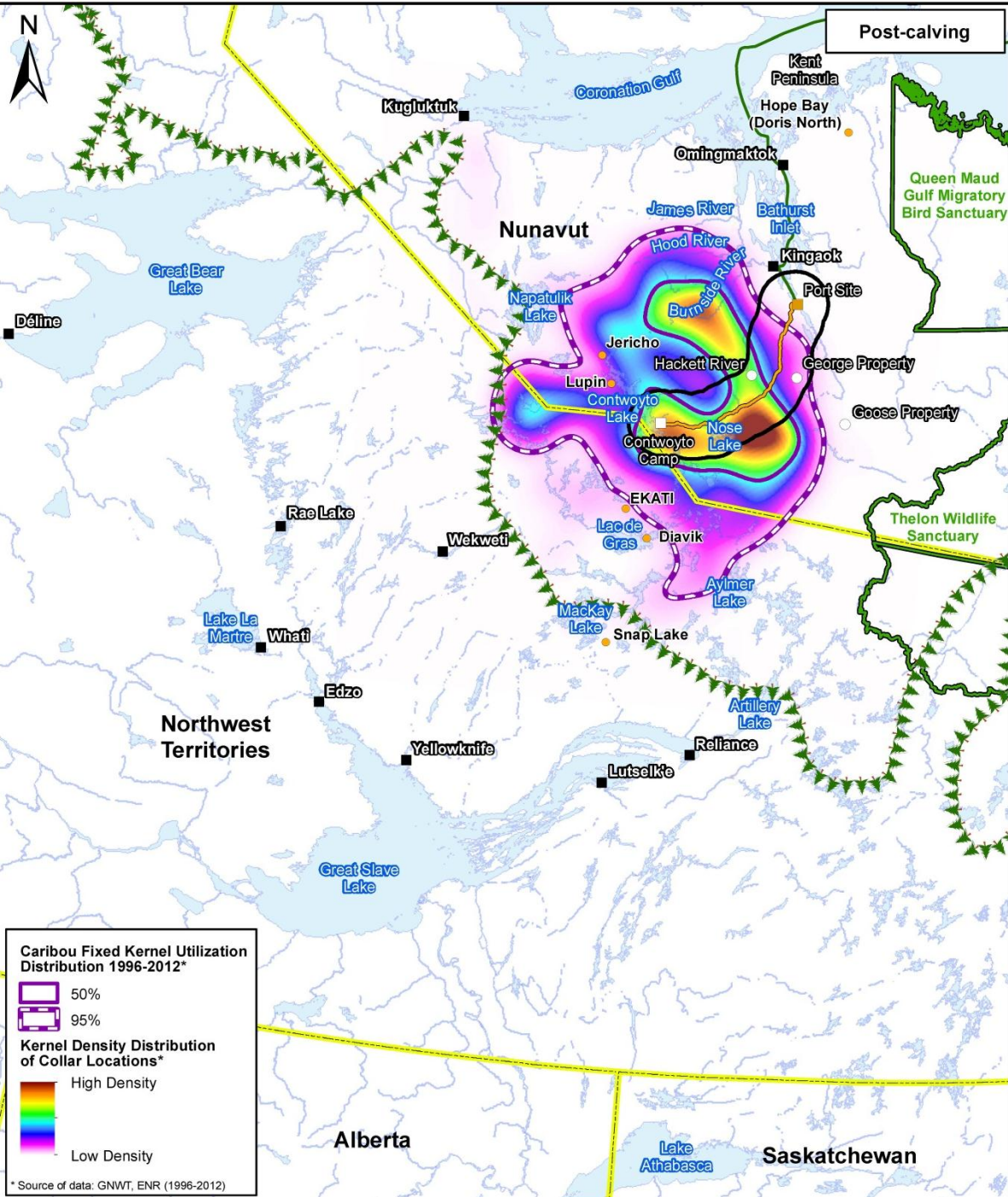


# Bathurst Caribou Herd Distribution During Spring Migration



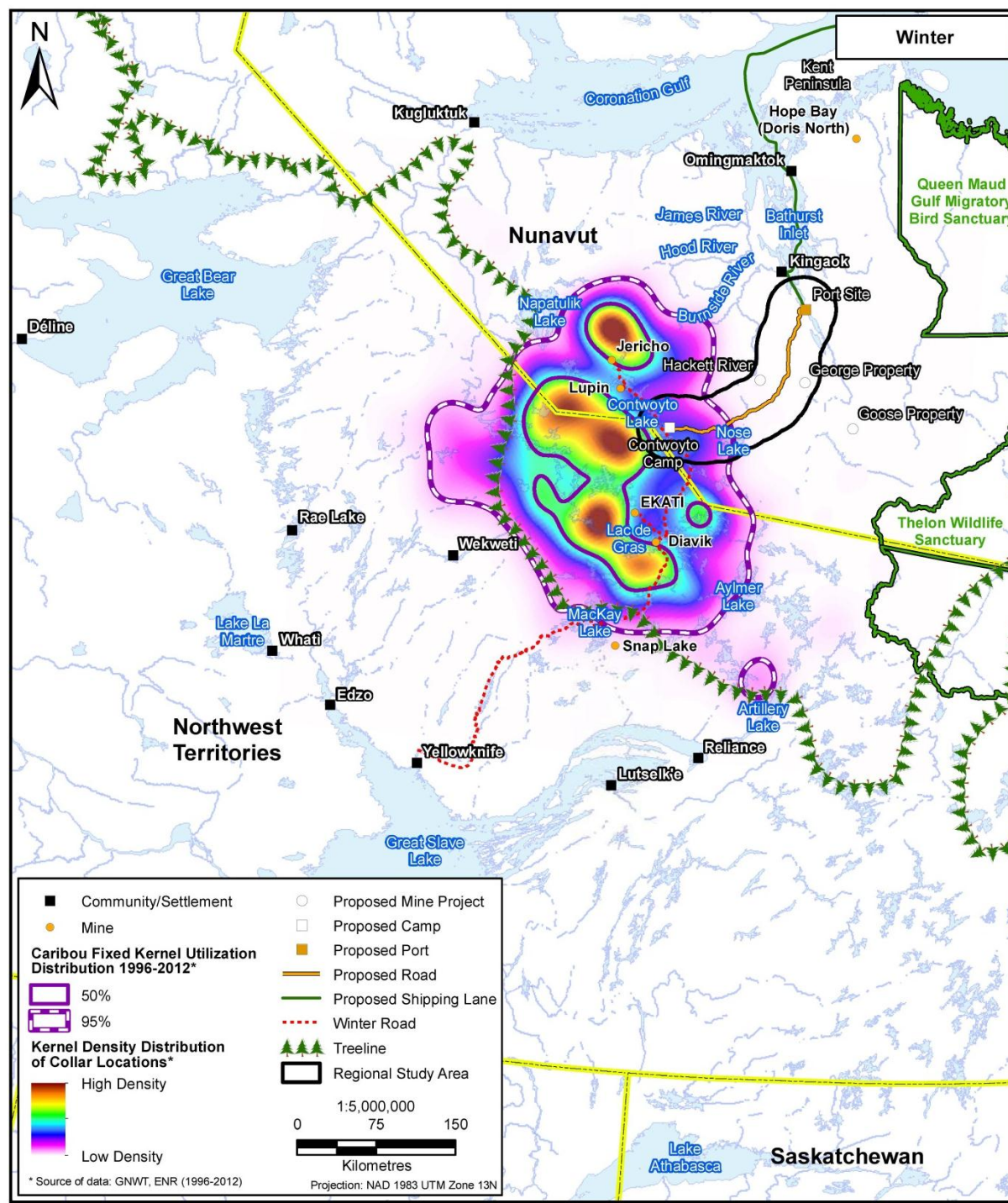


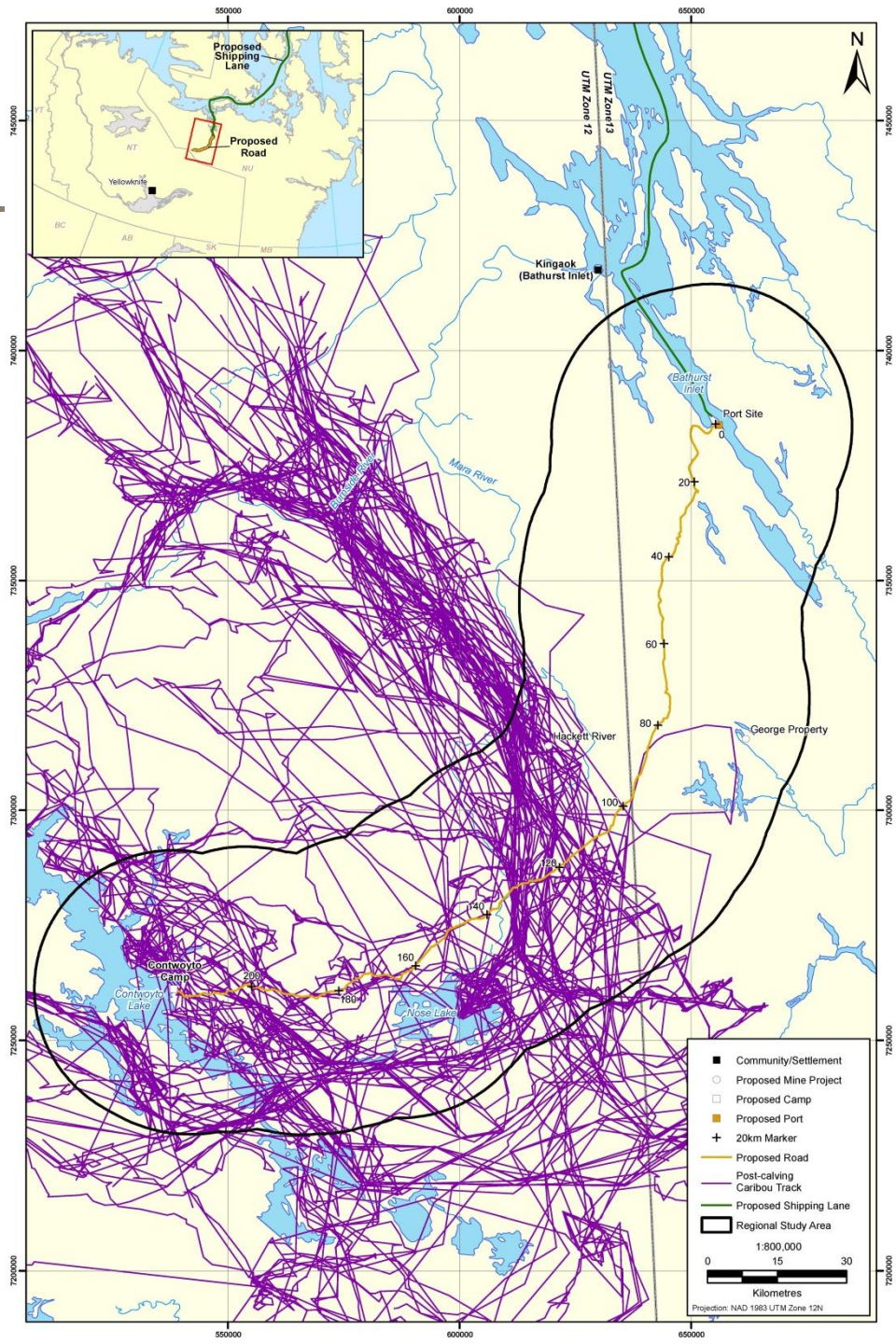
# Bathurst Caribou Herd Distribution During Calving



# Bathurst Caribou Herd Distribution During Post- Calving

# Bathurst Caribou Herd Distribution During Winter





# Bathurst Caribou Herd Distribution During Post-Calving 2008-2012 Data

# Caribou Herds in the area

Bathurst Herd Cycle Stage	Start Date	End Date
Spring Migration	April 15	June 4
Calving	June 5	June 15
Post-calving	June 16	July 20
Summer	July 21	August 31
Fall Migration	September 1	October 31
Winter	November 1	April 14

Heavy traffic will be closed during periods when caribou are crossing the road (approximate dates: May 15 to May 30 and June 15 to July 20).

# Ahiak Caribou Herd Distribution Winter



# Caribou Mitigations Measures on Road

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- Caribou crossings figure



# Closing Comments

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Thank you for taking the time to meet with us tonight

We welcome your comments and feedback

Send us your comments in writing by end of June 2013:

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