

# Gahcho Kué Project Community Hearings



# Outline

- Introduction
- Overview of Project
- Project Video
- EIR Process
- What did we assess, what did we hear, and how will we mitigate and monitor?
  - Wildlife
  - Water and Fish
  - Socio-Economic



# Project Overview

- The proposed Gahcho Kué Project
  - 4<sup>th</sup> Diamond Mine in the NWT, 2<sup>nd</sup> Diamond Mine for De Beers in the NWT
- Project Timeline:  

Construction

**2 Years**

➔

Operations

**11 Years**

➔

Closure/Post

**8+ Years**
- Employment:
  - **690** (FTE) during construction, **372** (FTE) during operation and less than **100** (FTE) in closure
- Economics:
  - Capital investment of about **\$650 million** (2010 dollars)
  - Benefits - Full Impact Total GDP for Construction and Operations:  
**\$3.9 Billion – Canada (88% of this to NWT)**
- Responsible development
  - No significant adverse environmental impacts

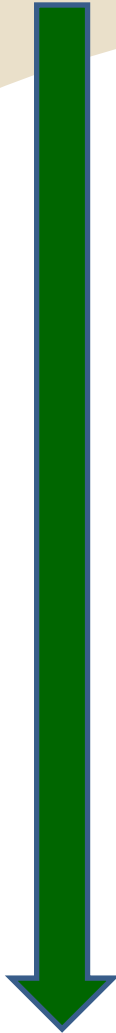


# Project Video

- [Link to video](#)



# Environmental Review Process/Engagement




2006	Issues Scoping Workshops
2007 Oct	EIS Terms of Reference issued
2010 Dec	EIS submitted
2011 July	Terms of Reference Conformity
<b>2011 Oct</b>	<b><i>De Beers' Community &amp; Regulatory Workshop</i></b>
2011 Nov	Review Panel Analysis Sessions
2012 Jan	Information Requests #1
<b>2012 Feb</b>	<b><i>Community Visits</i></b>
2012 April	EIS Supplement submitted
2012 May	Technical Meetings
2012 July	Information Requests #2
<b>2012 Aug</b>	<b><i>Wildlife Working Group &amp; Site Workshops</i></b>
<b>2012 Sept</b>	<b><i>Wildlife &amp; Fish Habitat Workshop and Site Workshops</i></b>
2012 Oct	Technical Submissions to the Review Panel
<b>2012 Dec</b>	<b><i>Final Hearings</i></b>

# Caribou

## EIS

- Cumulative effects assessment approach
- Annual studies from 1999 to 2005, 2011, 2012
- Satellite collar data 1995 to 2010
- Knowledge from existing mines and land users

## Mitigation and Monitoring

- Wildlife Working Group and Workshop  Monitoring Mitigation
- Caribou Studies:
  - Multi scale
  - Collaboration with government and communities
  - Adaptive approach with communities and government
- People:
  - Project winter access road monitoring and public awareness





# Other Wildlife



## Carnivores

- Baseline data using animal tracks and DNA techniques
- Much improved waste management practices learned from existing mines and ENR guidance
- Regional DNA monitoring programs for wolverine and grizzly bear

## Birds

- Experience from existing mines shows the potential for mine effects are very limited
- Known raptor nests are more than 18-km from site
- A regional monitoring approach for raptors and upland birds will provide information for management and conservation

## Other Animals

- Local site surveillance monitoring
- Regional observations of muskox, moose and wolves will be reported

# Water and Fish

## EIS



- Baseline aquatics programs from 1996 to 2012
- Assessed potential impacts
  - Flows and water levels
  - Water quality
  - Plankton and benthic invertebrates
  - Aquatic Health
  - Fish
- Supplemented by ongoing assessment

## Monitoring and Mitigation

- Fish out with communities
- Isolate part of Kennady Lake during mining and refilling
- Controlled dewatering and pumping rates
- Provide flows downstream to support Arctic grayling
- Develop No Net Loss Plan
- Transfer of site water to Tuzo pit prior to refilling
- Removal of Dyke A when WQ suitable for reconnection
- Monitor WQ and fish in Kennady Lake and downstream – AEMP and SNP



# Socio-economics

## EIS

- Long-term social and cultural effects
- Family and community cohesion
- Social disparity within and between communities
- Employment, training and economic development
- Demands on infrastructure
- Tourism potential and wilderness character
- Proposed National Park
- Culture, Heritage, and Archaeology
- Aboriginal rights and community engagement

## Monitoring and Mitigation

- Partnering to promote cultural preservation and use of Aboriginal language
- Human Resource Strategy and NWT Business Policy
- Socio-economic agreement
- Working with communities to promote health and wellness
- Training, development and education programs
- Work with Traditional Knowledge holders
- Transparency in reporting

# Questions





