A DE BEERS PERSPECTIVE ON MANAGING BIODIVERSITY
The De Beers Group of Companies

WHERE ANGLO AMERICAN OPERATES AND DE BEERS STRUCTURE

• Mining raw materials essential for economic development and modern life:
  • Iron ore and manganese
  • Metallurgical and thermal coal
  • Copper
  • Nickel
  • Niobium and phosphates
  • Platinum
  • Diamonds
• Over 150,000 permanent employees and contractors
• Operations, projects, exploration and marketing activities spanning southern Africa, South America, Australia, North America, Asia and Europe.
LOCATION OF THE SAKATTI COPPER-NICKEL-PLATINUM GROUP ELEMENTS PROJECT IN FINLAND
ENVIRONMENTAL POLICY AND BIODIVERSITY COMMITMENTS

• Adopt the **mitigation hierarchy** seeking to avoid, minimizing and then rehabilitating potential environmental impacts, when planning, designing and implementing exploration, mining, marketing and related activities.

• Aiming to have **no net loss of significant biodiversity** through responsible stewardship of biodiversity from exploration through to the closure of operations and making a contribution to biodiversity conservation in the regions within which we operate.

• Respecting legally designated **Protected Areas and key biodiversity areas** and not mining within World Heritage Site Core Areas.
UNDERSTAND BIODIVERSITY RISKS AND OPPORTUNITIES

• De Beers is directly linked to consumers through its product
• Reputation a key driver in market
• Growing stakeholder expectation on environmental performance
• Need to understand biodiversity risk and opportunity for De Beers
• Continual improvement in biodiversity management and implement adaptive management

INCORPORATE RESILIENCE/ADAPTATION TO CLIMATE CHANGE
DELEVERING BIODIVERSITY OUTCOMES

- Outcomes must deliver **best practice**
- Actively engaged in the interface between biodiversity and business
- Specific partnerships between the extractive industry, conservation bodies, and governments
- Collaborations with research and conservation bodies, financial and logistical support, and utilisation of group holdings to contribute to biodiversity at multiple scales

ADDRESSING INDIVIDUAL STRESSORS

MAINSTREAMING BIODIVERSITY
Biodiversity Value Assessments

- **BVA methodology** developed by De Beers, reviewed by Fauna and Flora International
- Assessment methodology includes the pre-mining, current and post closure scenarios of all land owned and managed at the operations
- Conform to **global best practice** and International Finance Corporation (IFC) Performance Standards
- BVA’s conducted at all operations
- Existing operations and projects undergo retrospective assessments (2009)
- A net loss of significant biodiversity will not require implementation of an **offset** in a retrospective case

**INTEGRATE RESILIENCE/ADAPTATION TO CLIMATE CHANGE**
Biodiversity Risks and Opportunities

Canada
- Victor
  - River diversion and habitat restoration
  - Species of concern (Caribou, Bank and Barn swallows)
- Snap Lake
  - Monitoring aquatic impacts
  - Tundra ecosystems and effects on barren-ground grizzly bears
- Gaucho Kue (construction phase)
  - Adaptive management plan
  - Community managed fish-out programme

Ecosystem Based Management

Addressing Individual Stressors
THE DIAMOND ROUTE

- **Biodiversity** conservation, research, education and sustainability opportunities
- Comprises seven sites ~180,000 hectares
- Links diamonds to conservation through the properties and efforts of De Beers
- Unique habitats, including endangered and range-restricted species
- Draws in research and conservation projects from other De Beers operations like Canada

**IMPROVE KNOWLEDGE AND PUBLIC AWARENESS**

**IDENTIFY AND SAFEGUARD IMPORTANT AREAS**
IMPORTANT AREAS FOR BIODIVERSITY

- World Heritage Sites
- Biodiversity stewardship opportunities
- Support Protected Areas Expansion Strategies
- Succulent Karoo biome, rehabilitation and restoration programmes
- South African National Parks agreements
- Marine mining monitoring recovery
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OUR RATIO OF CONSERVATION AREA TO MINING AREA (6:1) AND OUR MINING FOOTPRINT, 2014

Protected Areas
• 2 formal protected areas
• 99 year lease agreements linked to land tenure
• Approx. 40 000ha direct contribution to PA estate

IDENTIFY AND SAFEGUARD IMPORTANT AREAS