

A DE BEERS PERSPECTIVE ON MANAGING BIODIVERSITY

WHERE ANGLO AMERICAN OPERATES AND DE BEERS STRUCTURE

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- 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.



Anglo American PLC 85%

Government of the Republic of
Botswana 15%

The De Beers Group Of
Companies

LOCATION OF THE SAKATTI COPPER-NICKEL-PLATINUM GROUP ELEMENTS PROJECT IN FINLAND

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- 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 through to the closure of operations, 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.**

MAINSTREAMING BIODIVERSITY

DE BEERS
GROUP OF COMPANIES

ENVIRONMENTAL POLICY



OBJECTIVE

The objective of this policy is to provide requirements for the leadership, management, application and administration within the De Beers Group of Companies (De Beers).

SCOPE

This policy is applicable to all the entities of De Beers. Members of De Beers may adapt the policy to include local legislative and stakeholder priorities within the countries in which they operate.

RESPONSIBILITY FOR THE POLICY

The maintenance, revision and distribution of this policy are the responsibility of the De Beers Group Head of Safety and Sustainable Development.

ENVIRONMENTAL POLICY

De Beers is committed to taking responsibility for the short and long term economic, social and environmental implications of decisions across the diamond pipeline.

- Aiming to have no net loss of significant biodiversity through responsible planning and 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 mine within World Heritage Site Core Areas.
- Promoting the efficient and sustainable use of natural resources, especially energy and water, by employing the principles of reduction, recovery, re-use and recycling.
- Reducing greenhouse gas emissions and participating in climate change initiatives.
- Managing wastes, effluents, emissions, dust and the use of hazardous substances to prevent pollution.
- Ensuring that comprehensive environmental planning, implementation and costing for exploration, project, operational and closure phases is undertaken and that the financial provision for present and expected future

UNDERSTAND BIODIVERSITY RISKS AND OPPORTUNITIES

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- 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
- Continual improvement in management

**INCORPORATE RESILIENCE/
ADAPTATION TO CLIMATE CHANGE**



DELIVERING BIODIVERSITY OUTCOMES

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- Outcomes must deliver **best practice**
- Actively engaged in the interface between **biodiversity and business**
- Specific **partnerships** between industry, conservation, and government
- **Collaboration** and conservation, financial and logistical support, and utilisation of groups contribute to **biodiversity** at multiple scales

ADDRESSING INDIVIDUAL STRESSORS

MAINSTREAMING BIODIVERSITY



BIODIVERSITY VALUE ASSESSMENTS

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- 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 operation
- Conform to global best practice and International Finance Corporation Performance Standards
- BVA's compliance with the 2009 Environmental and Social Sustainability
- 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

INCORPORATE RESILIENCE/ADAPTATION TO CLIMATE CHANGE



Effective January 1, 2012



ENVIRONMENTAL POLICY

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RESPONSIBILITY FOR THE POLICY

The maintenance, revision and distribution of this environmental policy are the responsibility of the De Beers Group Head of Safety and Sustainable Development.

ENVIRONMENTAL POLICY

De Beers is committed to taking responsibility for the short and long-term economic, social and environmental implications of its decisions across the diamond pipeline. We commit to building diamond dreams through effective partnerships and enhancing the confidence of communities in the diamond product. In pursuit of the highest standards of environmental care and protection, De Beers is committed to:

- Managing all aspects of this environmental policy as an integral part of business while adopting a precautionary approach to environmental challenges.
- Developing and implementing appropriate environmental policies, programs, procedures and training and ensuring these are adequately reviewed.
- Complying with relevant legislation and other requirements to which De Beers subscribes and aligning with international good practice.
- Requesting all producing mines to be certified compliant with the ISO 14001 international standard for environmental management systems as the foundation for continual improvement.
- Adopting the mitigation hierarchy by approach: first assessing, seeking to avoid, minimizing and then rehabilitating potential environmental impacts, risk and emergencies when planning, designing and implementing exploration, mining, marketing and related activities.

Philip Steyn, De Beers Group CEO *Dr. Lesley, Director Head of De Beers*

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BIODIVERSITY RISKS AND OPPORTUNITIES

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Canada

- Victor
 - River diversion and habitat re...
 - Species of concern (C... and Barn swall...
- Snap Lake
 - Mon...ic Impacts
 - Tundr... and effects on barren... and grizzly bears
- Gaucho Kue (constructio...
 - Adaptive m...
 - Com... out
 - progr...

ECOSYSTEM BASED MANAGEMENT

ADDRESSING INDIVIDUAL STRESSORS



THE DIAMOND ROUTE

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- **Biodiversity** conservation, research, education and sustainability opportunities
- Comprises seven sites ~180 000 ha
- **Links diamonds to conservation** and the properties of diamonds
- **Unique habitats** and range-restoration
- Draws in resources for conservation projects from other De Beers operations in Canada

IMPROVE KNOWLEDGE AND PUBLIC AWARENESS

IDENTIFY AND SAFEGUARD IMPORTANT AREAS



IMPORTANT AREAS FOR BIODIVERSITY

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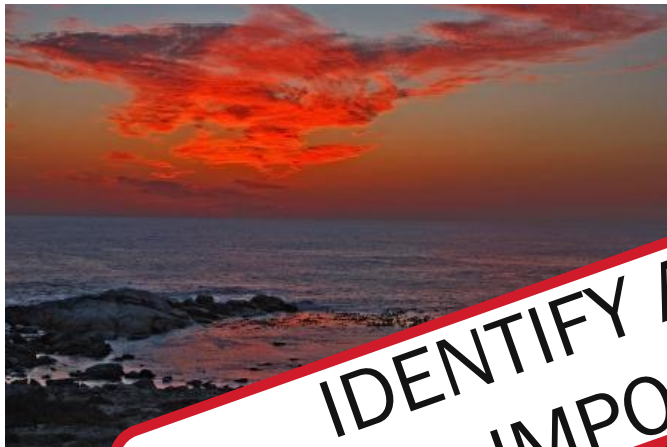
- World Heritage Sites
- Biodiversity stewardship opportunities
- Support Protected Areas Expansion Strategies
- Succulent Karoo restoration
- South African National Parks agreements
- Marine mining monitoring recovery



**IDENTIFY AND SAFEGUARD
IMPORTANT AREAS**

OUR RATIO OF CONSERVATION AREA TO MINING AREA (6:1) AND OUR MINING FOOTPRINT, 2014

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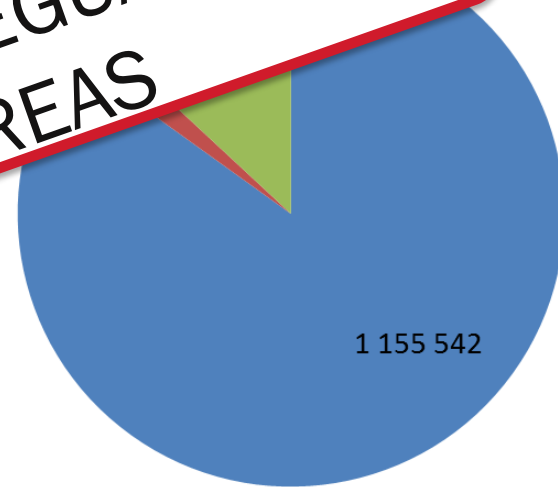


Mining licence area vs Disturbed area and Conservation area size (owned) (ha)

IDENTIFY AND SAFEGUARD IMPORTANT AREAS

Protected Areas

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



■ Mining licence area (MLA) ■ Disturbed area in MLA
■ Conservation area size (owned)

QUESTIONS

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