



Central Rand Gold

Johannesburg Mining Land: Our Foundation And Our Future

Central Rand Gold South Africa (Pty) Ltd

Mining Right Application

Public Participation Workshops
August/September 2007

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Johannesburg Mining Land: Our Foundation And Our Future

Introduction to
Central Rand Gold South Africa (Pty) Ltd

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Introduction to Central Rand Gold

Provide an insight into
Central Rand Gold South Africa (Pty) Ltd (CRG-SA)

- South African mining company
- Established in 2006 to re-explore & re-mine Central Rand Goldfield
- Prospecting rights secured by Rand Quest Syndicate transferred to CRG-SA
- Funding & institutional structures being finalised for an initial public offering
- Exciting opportunity to contribute to social, economic and environmental development of the region

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Philosophical foundations of CRG-SA

Approach to mining activities

- No interference with developed urban areas & environmentally sensitive areas
- Recognition of community issues, concerns and needs
- Environment & safety are our priorities
- Using best international practices and latest technologies
- Co-operative approach and relationship building
- Rehabilitation focus to address mining legacies
- Compliance to all legislative and policy requirements

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BEE development component

- CRG-SA company established
 - Puno - 26% BEE shareholding in CRG-SA
- Commitment to compliance with Mining Charter and legislative requirements in terms of
 - Ownership
 - Management participation
 - Skills development
 - Employment equity
 - Preferential procurement
 - Enterprise development
 - Community social & economic investment
- Corporate responsibility to bring social and economic growth and development is recognised as a priority
- Social & Labour Plan – a component of Mining Right Application

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Johannesburg Mining Land: Our Foundation And Our Future

Changing the face of Johannesburg

Past, present & future context of mining in Johannesburg

Central Rand Gold South Africa (Pty) Ltd

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Purpose & Outline

Provide:

- an insight into the past, present and future opportunities and interventions involving the mining land of Johannesburg, and
- an initial introduction to a Mining Right Application by Central Rand Gold South Africa (Pty) Ltd

The Foundation of Johannesburg

- Gold discovery & land asset opportunity
- Closure of underground mining & surface reclamation operations
- Planning for future mining
- Joburg Mining Land Study & land development focus

The Future of Johannesburg

- Project Hloekisa
- East West Development Corridor
- Changes in mining law improvements in mining technology
- CRG prospecting & future mining activities
- Metropolitan growth & development implications

Closing observations and remarks

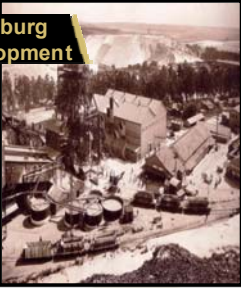
Way forward

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The Foundation of Johannesburg History of mining land development

- Mining land has always been the focus of development in Joburg
- With the discovery of gold – primary economic growth and supporting services and industries
- The closure of the mines - opportunities for urban development
 - mixed uses for economic, residential, social and recreational opportunities
- infrastructure development





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The Foundation of Johannesburg History of mining land development

- Urban development opportunities were limited due to the possibility of future mining taking place
 - Surface reclamation, shallow mining in the old workings
 - Ultra deep mining beyond the old mining areas
 - The Foundation of Johannesburg
- Many studies and planning exercises by the authorities and the private mining land companies looked at how the land could be best developed for the City
 - Johannesburg Mining Land Study (1995)
 - RMP Properties Vision 2020 (1996)
- Urban development focus growing

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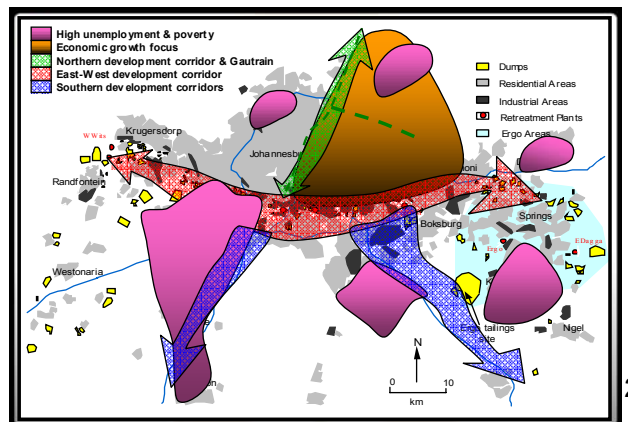
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The Future of Johannesburg

A number of key developmental and planning interventions for the role of mining land in the future environmental, social & economic growth of Joburg:

- Project Hloekisa (Sotho: Clean up)
- East West Development Corridor Study (2003)
- Changes in the mining law
- Greater concern for the environment and community benefits
- International advances and improvements in mining methods and technology
- Prospecting & future mining operations

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The Future of Johannesburg Hloekisa: The Problem

- 120 years of mining activities
- Major impacts on physical, economic, social & environmental domains
- Affecting estimated 16 000ha central Gauteng land

What is the solution???



Hloekisa: Purpose
The safe, effective and eco-sustainable relocation of polluting mine dumps to release land for socio-economic development and growth and to address the health and safety of the greater Gauteng community

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The Future of Johannesburg Hloekisa: Remove and redeposit

- Remove 800 million tonnes
- Extraction of economically viable metals
- Re-deposition onto well managed, controlled & consolidated deposition site
- Purposefully designed for use beyond deposition:
 - Urban agriculture
 - Recreation



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The Future of Johannesburg Hloekisa: Develop sterile land

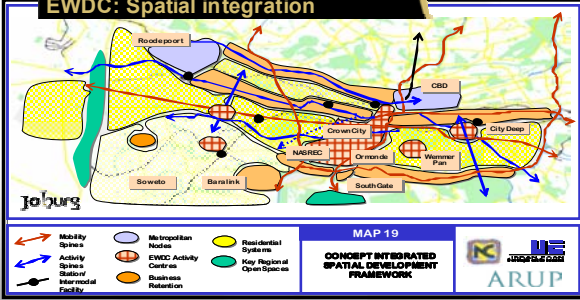
- Site is rehabilitated & made available for mixed use urban developments
- Land previously sterile now adding value to the city



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The Future of Johannesburg EWDC: Spatial integration



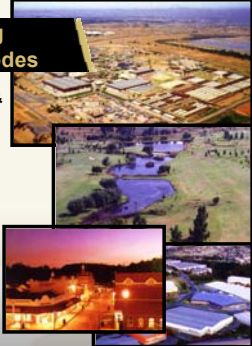
MAP 19
 CONCEPT INTEGRATED SPATIAL DEVELOPMENT FRAMEWORK

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The Future of Johannesburg EWDC: Key development nodes

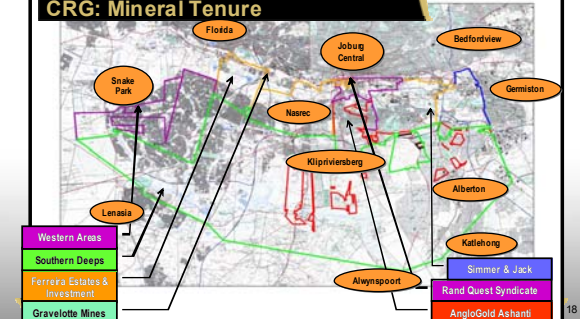
- Nasrec – a world class sports, tourism & exhibition node – 2010 & beyond
- Soweto – economic, social, tourism and institutional focus
- Employment generation areas – jobs to where people live
- SOJO Business, Tourism & Recreation Loop – promoting social & economic growth through tourism
- City Deep – world competitive import & export node
- Transportation infrastructure



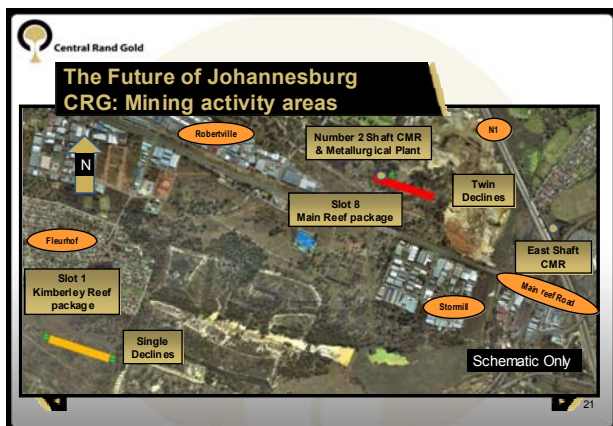
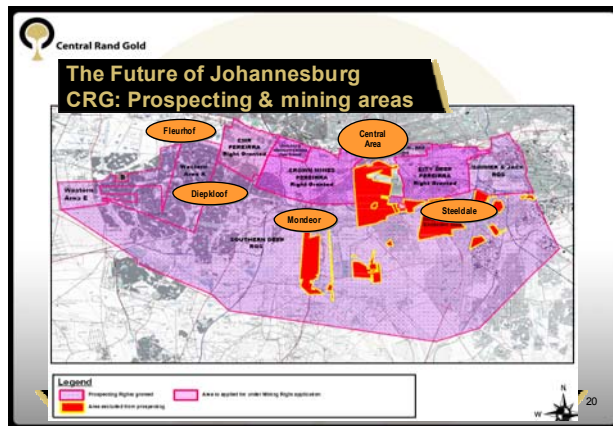
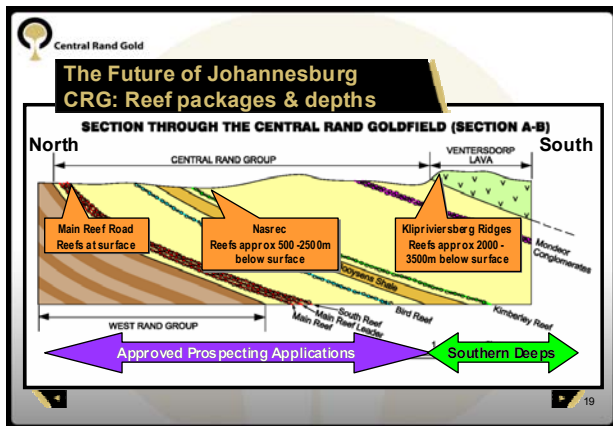
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The Future of Johannesburg CRG: Mineral Tenure



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The Future of Johannesburg CRG: Philosophies for mining

- Minimal impact on developed urban areas
- Recognition of communities and their needs
- Diligent assessment and management of all potential risks
- Application of international best practices and technologies
- Continuous environmental impact monitoring and management

Clean mining

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The Future of Johannesburg CRG: Mine design features

- Apart from initial development (2-3 years) majority of operations and activities will all be underground
- Mining will be implemented like 'key hole' surgery from below the surface
- No permanent surface dumps and deposition areas will be created on surface
- All crushing and initial processing will be underground

We will be different to the norm

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The Future of Johannesburg CRG: Mine design features

- Development rock and tailings material will be repacked underground – added stability for mined out areas
- No vertical shafts – use of incline portals and normal vehicles
- Metallurgical plants will be the only permanent structures on surface – initial site near Robertville looking like an industrial building
- Latest blasting and explosives technology will be used underground to avoid impacting on surface development
- Environmental dust and noise management controls will be stringently implemented

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The Future of Johannesburg CRG: Co-ordination & liaison

On going engagement with municipalities, state departments, business & communities essential throughout the prospecting and mining projects

Purpose of co-ordination to:

- Inform stakeholders
- Understand prospecting and mining processes
- Establish implementation and management programmes
- Consider
 - Existing development & infrastructure
 - Development applications & proposals
 - Infrastructure establishment
 - Land availability
- Understand and consider issues raised
- Co-ordinate site activities
- Avoid conflicts

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The Future of Johannesburg CRG: Investments & opportunities

- Possible investment in mining operations
 - Initial projection – 50 years
- International investment in prospecting & mining operations
 - High environmental standards & sensitivity
 - Application of best practices
- Potential to make currently un-developable areas developable once & for all – Hloekisa contribution
 - Opening and backfilling outcrop areas
 - Removal of materials emitting radiation
 - Secure unstable surface areas for future use
 - Environmental clean-up and improvement

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The Future of Johannesburg CRG: Investments & opportunities

- Economic and employment opportunities
 - Directly in mining – up to 4 000 people
 - Services & secondary industries supporting mining activities – up to 32 000 people
 - Local economic development opportunities
 - SMME & BEE development opportunities
- Community & social investment
 - Local community investments
 - Scholarships & bursaries
 - Skills training

NB: Social & Labour Plan prepared in close liaison and integration with community and authorities and the municipal IDP for the benefit of local communities

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The Future of Johannesburg CRG: Prospecting & mining status

- Recognition of prospecting and potential mining activities in Joburg & Ekurhuleni GDS, IDP, MSDF & RSDF – endorsed by Regional Manager of DME
- Prospecting permits secured for all areas in Joburg – approval of Southern Deeps expected soon
- Co-ordination and communication structures have been initiated
- Preliminary investigations & research into resources are being undertaken

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The Future of Johannesburg CRG: Prospecting & mining status

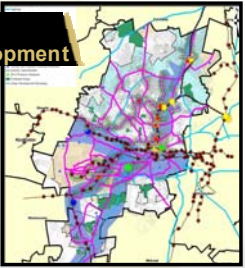
- Prospecting activities have indicated strong resource opportunities
- Funding and institutional structures are being finalised for an initial public offering
- Preliminary concepts and designs have been developed
- Mining application has been submitted and accepted by the DME for preparation of the EIA & public participation process
- Public participation programme is being initiated – issues, concerns, ideas and suggestions

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The Future of Johannesburg Metropolitan growth & development

- Integration with the IDP & Metropolitan & Regional Spatial Development Frameworks
 - Promote the recognition of mining land opportunity & potential for social & economic development through the IDP & SDFs
 - Focus on release of land for development – short and long term
- Recognising the increased importance of mining
 - Increase the recognition of mining activities & opportunities and the value contribution to local communities
 - Ensure stringent environmental management
 - Implement meaningful stakeholder participation



Everyone will feel it

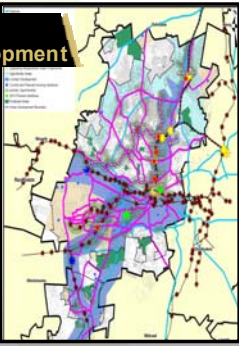
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The Future of Johannesburg Metropolitan growth & development

Not affecting urban development especially in key projects and focus areas established through the mining land areas

- East West & Southern Development Corridors
- Nasrec & City Deep Nodes
- Crown & Ormonde areas
- Fleurhof & Riverlea
- Stormill & Robertville
- SOJO Development Band
- JMOSS
- Major roads and infrastructure



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The Future of Johannesburg Integrated mining land activities

Key integrated activities on Joburg mining land include

- Co-ordinated planning & development of available land for an appropriate mix of land uses for urban and mining activities
- Removal of pollution causing mine residues and development encumbrances in our areas of control
- Reintroduction of mining as a high value primary industry with a focus on contributing to environmental improvement and local social and economic development
- Ongoing engagement with stakeholders – authorities, agencies, business and communities

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The Future of Johannesburg Realise sustainable opportunities

Economic opportunities

- Development of employment generating investments close to where unemployed and poor people live
- Resurgence of service industries & promotion & support for SMME development
- Facilitation of shared public & private investment and growth

Social opportunities

- Address poverty & social mobility through job creation
- Provision of required community facilities and amenities

Environmental opportunities

- Reduction of land, air and water pollution sources
- Promote compact city growth with settlement & spatial restructuring & efficiency
- Improved living conditions for all communities

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The Future of Johannesburg

- Mining land has and always will have a profound impact on the development of Joburg and Gauteng's Global City Region
- From its history, the land has been, is and always will be problematic and provide challenges to both urban and mining development
- However, firm foundations have been established for the future
- There is a potential to build a better urban environment and spatial pattern through the realisation of the social, economic and environmental opportunities of the mining land

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The Future of Johannesburg

- It will be essential for the public, business and community sectors to co-operate and work together in meaningful partnerships to realise and share the benefits of these sustainable opportunities
- Joburg's mining land will be with us and future generations of citizens for many decades
- We have a collective responsibility to manage it properly now, and for generations to come

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The Future of Johannesburg Way Forward

- Welcome the opportunity for further engagement to ensure a full understanding of what we all need to achieve and how best we can do it
- Identification of issues, concerns and opportunities to consider in the development of the Environmental Impact Assessment (EIA) & Management Programme (EMP)
- Various workshops & focus group meetings to be held over next few weeks
- Opportunity to establish strong working relationships with the City of Joburg, provincial & national government and CRG to ensure optimal benefits for communities are realised

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