



# Crocodile River Mine Analyst Visit

15 October 2002



## Welcome

*Gert Ackerman*



# **Crocodile River Mine**

*Tinus Gericke*

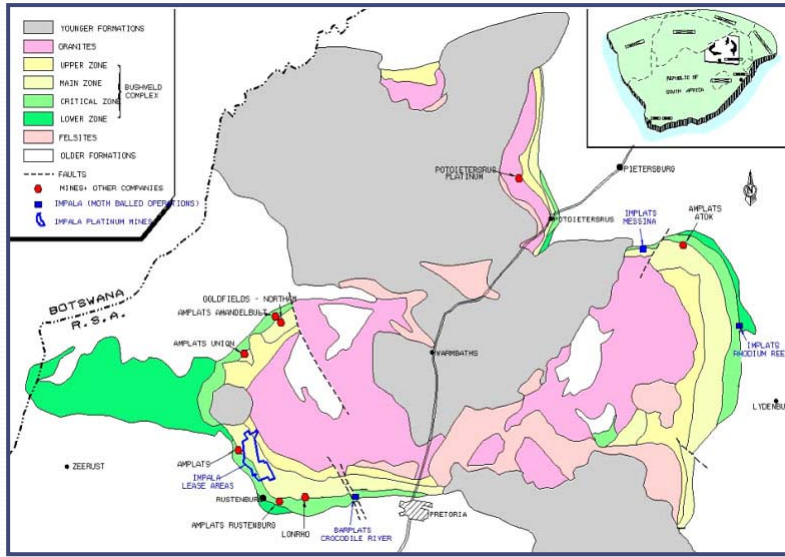


## **INTRODUCTION**

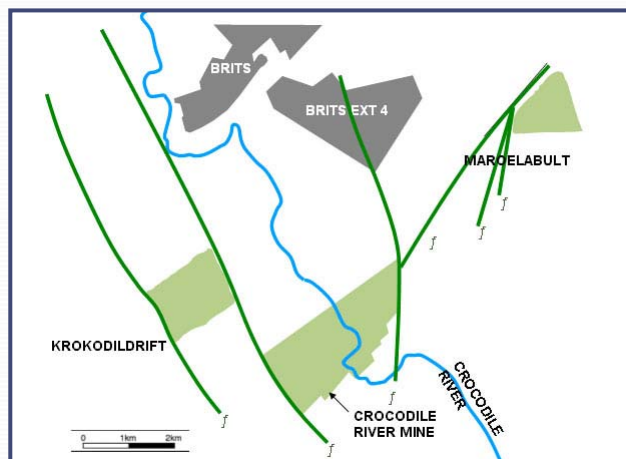
- **Background**
- **Safety**
- **Mining and Mineral Processing**
- **Capital Requirements**
- **Ore Reserves and Resources**
- **Future**



# PLATINUM RESOURCES, GEOLOGY AND MINES OF THE BUSHVELD COMPLEX



## CROCODILE RIVER MINE



## SAFETY

- **Safety initiatives**
- **Implemented Du Pont's SMAT**
- **Platinum rules established**
- **500 000 fatality free shifts**
- **Safety statistics**
- **LTIFR**
  - 12-month average – 3.48
  - First quarter – 2.17



## MINING AND MINERAL PROCESSING

- **Mining plan**
  - **Opencast mining**
  - **Underground mining room and pillar**
    - Production build up
    - Ground conditions
  - **Concentrator**
    - Hard rock
      - Performance
      - Capacity
    - Tailings re-mining
    - Future test work
- 100 000 run-of-mine tonnes per month  
75 000 milled tonnes per month
- To reduce chrome content  
To increase concentrate grade



## CAPITAL REQUIREMENTS

- **Phase I**
  - Maroelabult and concentrator
  - Total capital - R233 million
  
- **Phase II**
  - Zandfontein trial mining
  - Krokodildrift exploration
  - Total capital - R27 million



## ORE RESERVES / RESOURCES

### Mineral reserves as at 30 June 2002

Orebody	Category	Tonnage (millions)	Grade 5PGE&Au (g/t)	Pt oz (millions)
UG2	Proved	0.5	3.39	0.03
	Probable	8.3	4.53	0.59
Tailings Dam	Proved	0.9	1.95	0.03
<b>Total</b>		<b>9.7</b>	<b>4.23</b>	<b>0.65</b>

### Mineral resources as at 30 June 2002

Orebody	UG2	Category	Tonnage (millions)	Grade 5PGE&Au (g/t)	Pt oz (millions)
<b>Total</b>		Indicated	16	5.53	1.4



## FUTURE

- **Current plan**
  - Life of 10 years
  - Concentrator at 50% capacity
- **Vast resources**
- **Identify next area to increase production**
  - Krokodil drift evaluation
  - Zandfontein trial mining



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