

# Doornkop site visit

Jacques du Triou  
General manager

Wednesday  
13 March 2012





# Private Securities Litigation Reform Act Safe Harbour Statement



This presentation contains "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and 21E of the Securities Exchange Act of 1934, as amended, that are intended to be covered by the safe harbour created by such sections. These statements may be identified by words such as "expects", "looks forward to", "anticipates", "intends", "believes", "seeks", "estimates", "will", "project" or words of similar meaning. All statements other than those of historical facts included in this presentation are forward-looking statements, including, without limitation, (i) estimates of future earnings, and the sensitivity of earnings to the gold and other metals prices; (ii) estimates of future gold and other metals production and sales, (iii) estimates of future cash costs; (iv) estimates of future cash flows, and the sensitivity of cash flows to the gold and other metals prices; (v) statements regarding future debt repayments; (vi) estimates of future capital expenditures; and (vii) estimates of reserves, and statements regarding future exploration results and the replacement of reserves. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward-looking statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Such risks include, but are not limited to, gold and other metals price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, project cost overruns, as well as political, economic and operational risks in the countries in which we operate and governmental regulation and judicial outcomes. For a more detailed discussion of such risks and other factors (such as availability of credit or other sources of financing), see the Company's latest Annual Report on Form 20-F for the year ended June 30, 2011 which is on file with the Securities and Exchange Commission, as well as the Company's other SEC filings. The Company does not undertake any obligation to release publicly any revisions to any "forward-looking statement" to reflect events or circumstances after the date of this presentation, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.



# Welcome and introduction





<b>Activity</b>	<b>Time</b>
Arrival and Coffee	07H25 to 08H00
Welcome and induction training	08H00 to 08H20
Change into underground clothing	08H20 to 08H45
Proceed to Lamp house and Sky Bank	08H45 to 09H00
Descent to 76 level Station – 30 minute discussion	09H00 to 09H45
Descent to 197 level Station – 30 minutes discussion	
Visit Tmmm Section, 76 Level – 60 minute visit and discussion	09H45 to 10H45
Visit 197 level development – 60 minutes visit and discussion	
Ascend to surface	10H45 to 11H00
Visit to Hoist Room	11H00 to 11H20
Shower and Change	11H20 to 12H20
Lunch presentations	12H20 to 13H00
Closing and departure from mine to plant	13H00 to 13H20
Plant Visit, presentation and walk about	13H20 to 14H00



# Doornkop management team



Name	Designation
Jacques Du Triou	General Manager
Rickus Nel	Financial Manager
Charel Olivier	Ore Reserve Manager
Ernest Carney	Human Resources Leader
Elvis Maribe	Mining Manager
Berty Thompson	Shaft Engineer
Carel Oosthuizen	Production Engineer
Danie Human	Chief Safety Officer
Thys le Grange	Occupational Hygienist
Jan Roos	Plant Manager
Gordon Van Der Merwe	Plant Engineer

# Safety induction and training



Proceed to change  
house and  
underground



## Background information





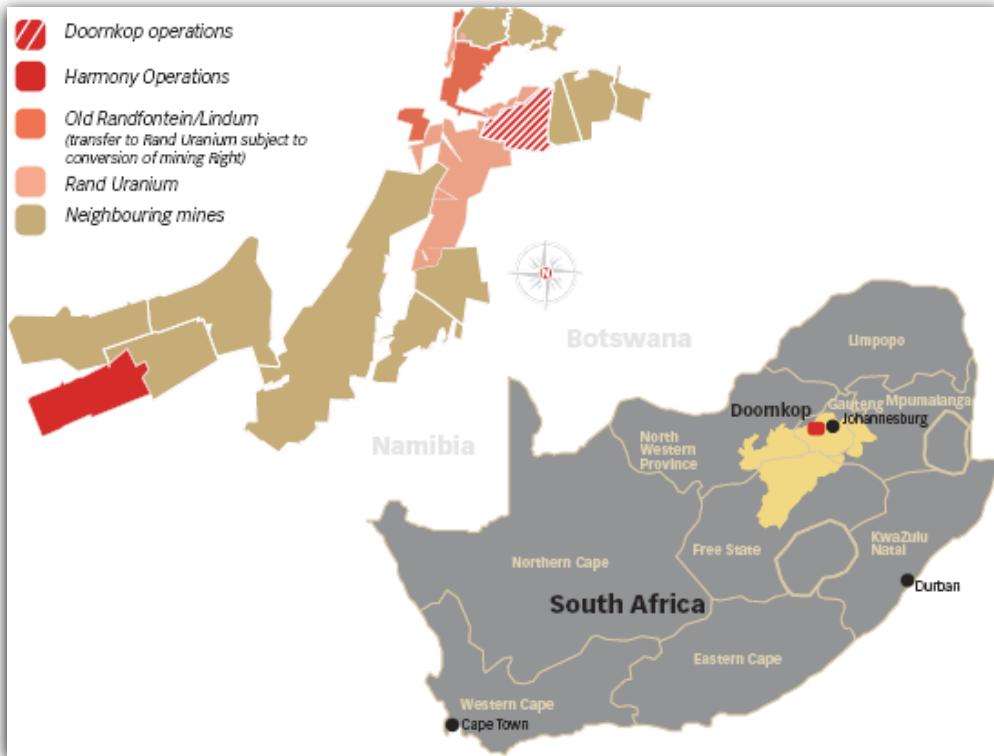


- Exploration at Doornkop started in the 1930's
- Doornkop shaft was sunk to 1 127m below collar by 1983 and the first gold pour took place in 1986\*
- After several stoppages the main shaft deepening to access the South Reef commenced in 2004\*
- The main shaft deepening to final depth (1949\* below collar) was completed by 2007\*
- The first gold from the South reef was produced in July 2007
- Doornkop's life of mine (LOM) is planned at 14 years

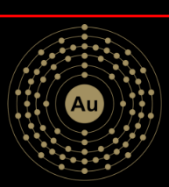
\*These represent calendar years



# Doornkop's location and overview



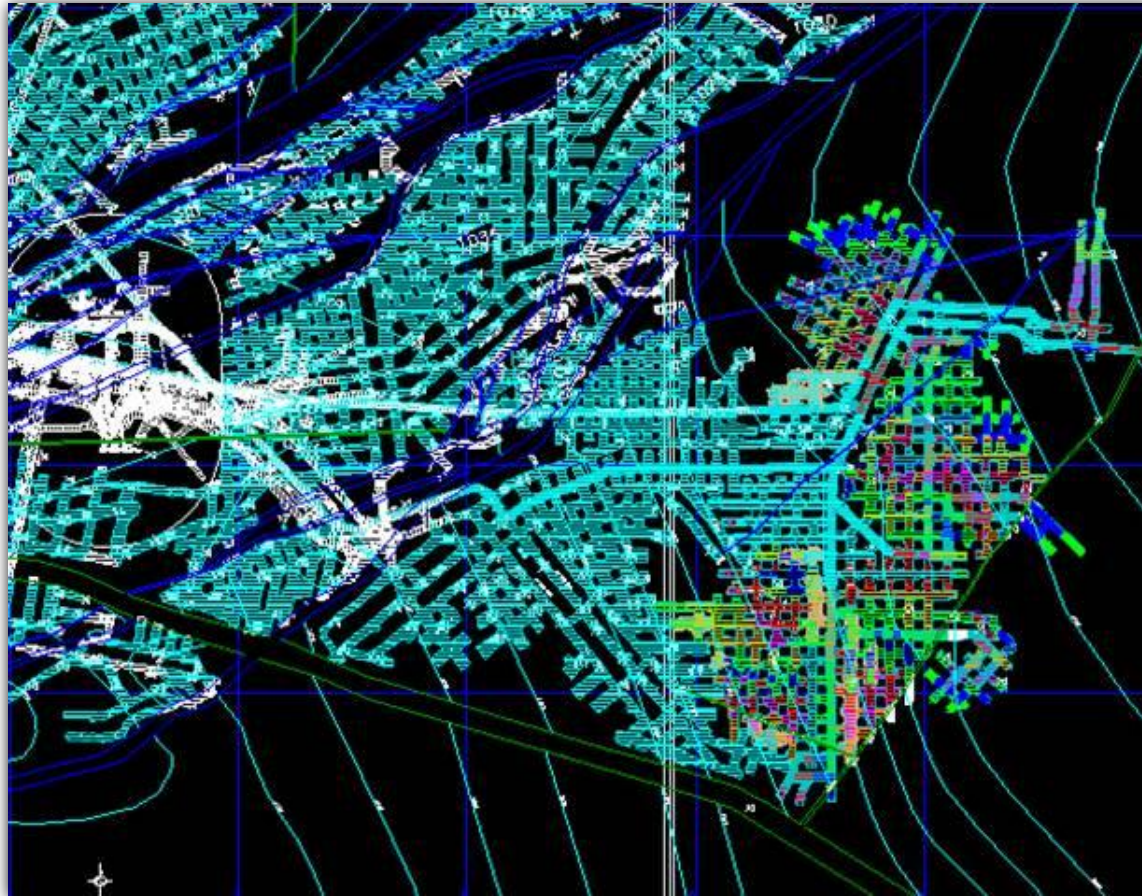
- Located 30 kilometers west of Johannesburg in Gauteng, Doornkop is a single-shaft operation mining to a depth of just less than 2 000m
- Doornkop mines the Kimberley and South reefs by means of both narrow-reef conventional mining and mechanised board-and-pillar mining
- The ore mined is processed at Doornkop's carbon-in-pulp plant
- Full production on the South Reef will be reached by FY15
- Doornkop employed 3 691 people in FY11, of whom 2 838 were employees and 853 contractors





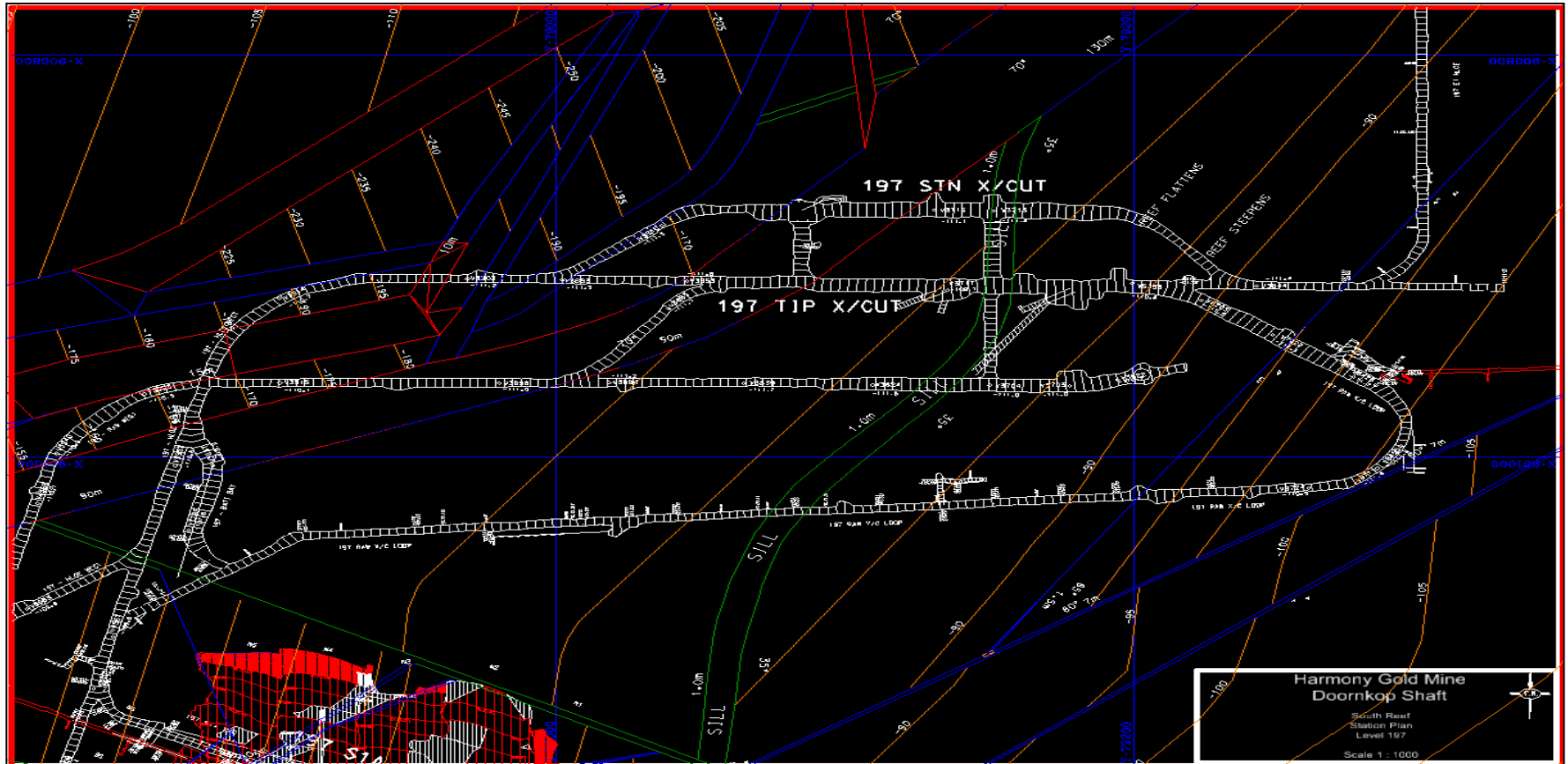


Workplaces visited:  
76 level





# Workplaces visited: 197 level

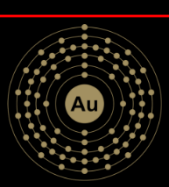




# Surface area visited: Rock winder

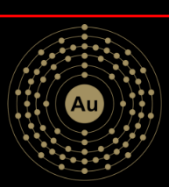






# Surface area visited: Processing plant

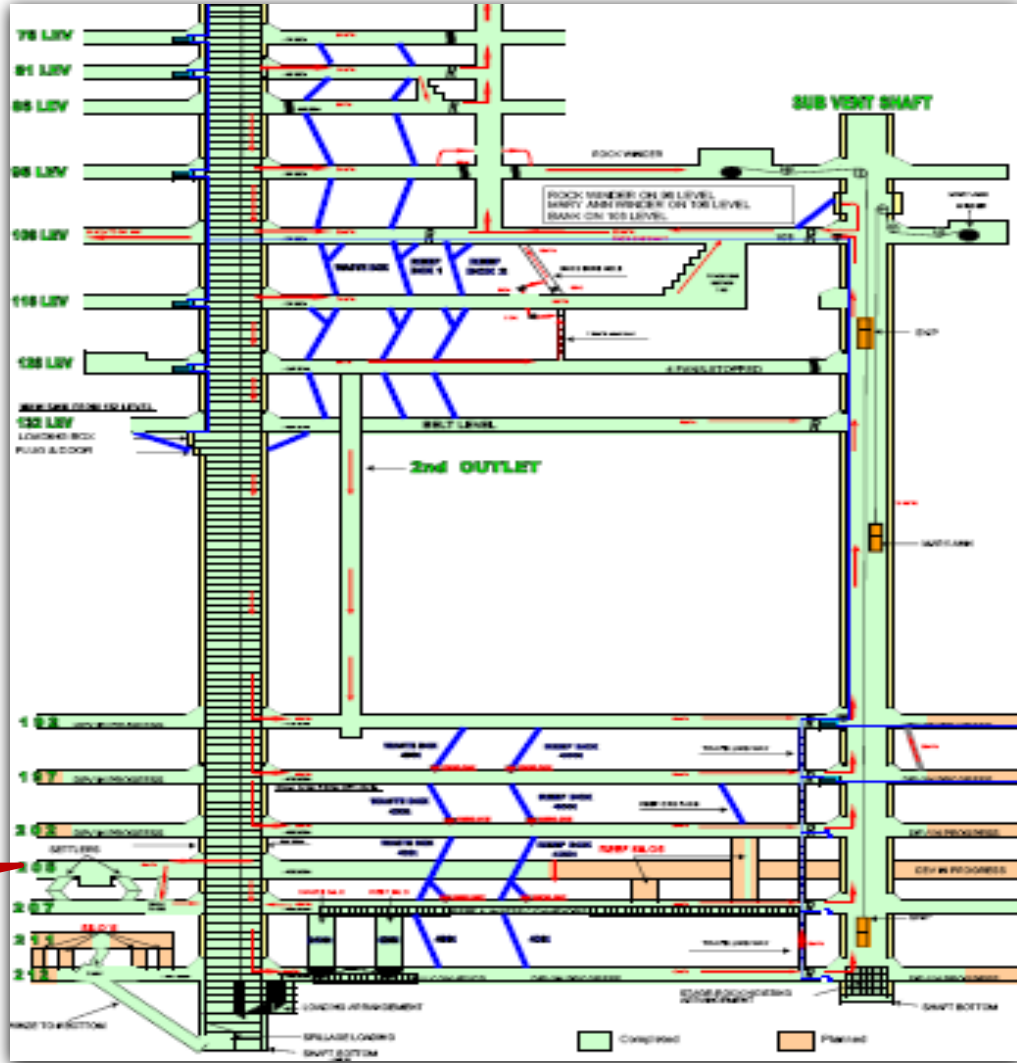




# Shaft schematic

Old mine

New mine





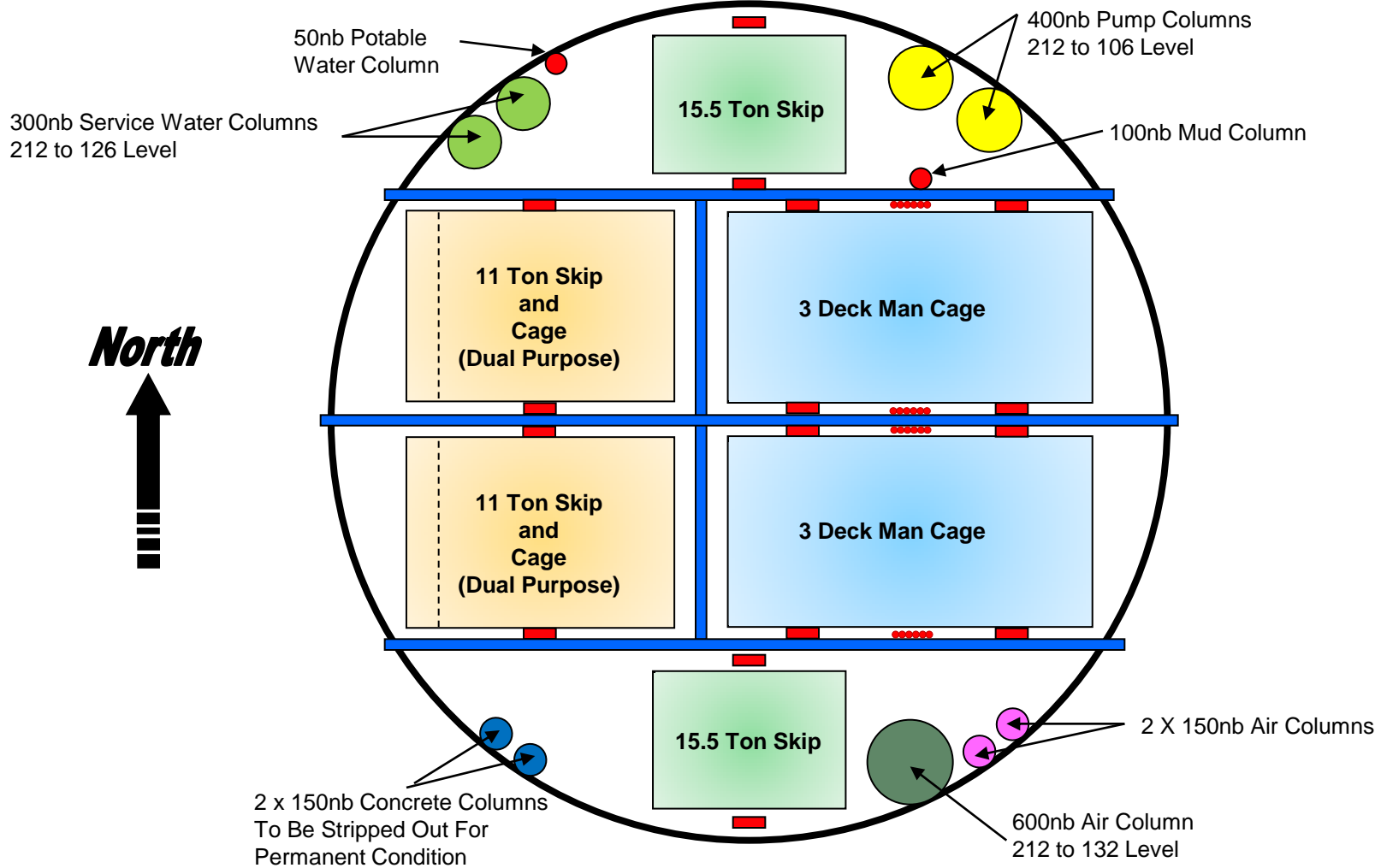
## As a medium depth shaft the infrastructure is

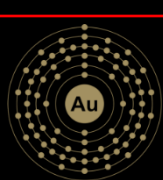
- Uncomplicated
- Modern with reliable applicable technology
- Energy efficient
- Has sufficient buffer capacity for flexibility
- Will have a low operating cost



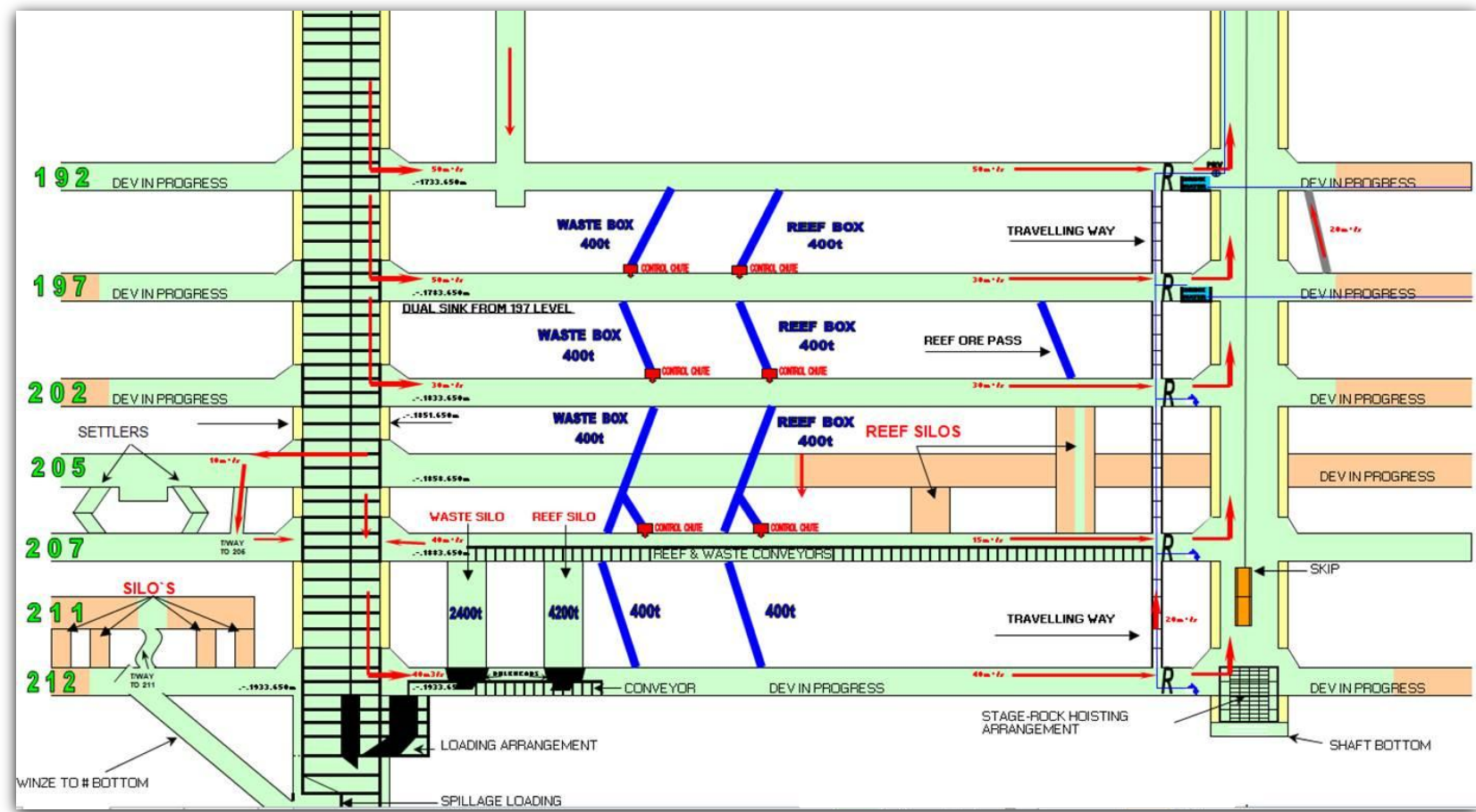


## Shaft configuration



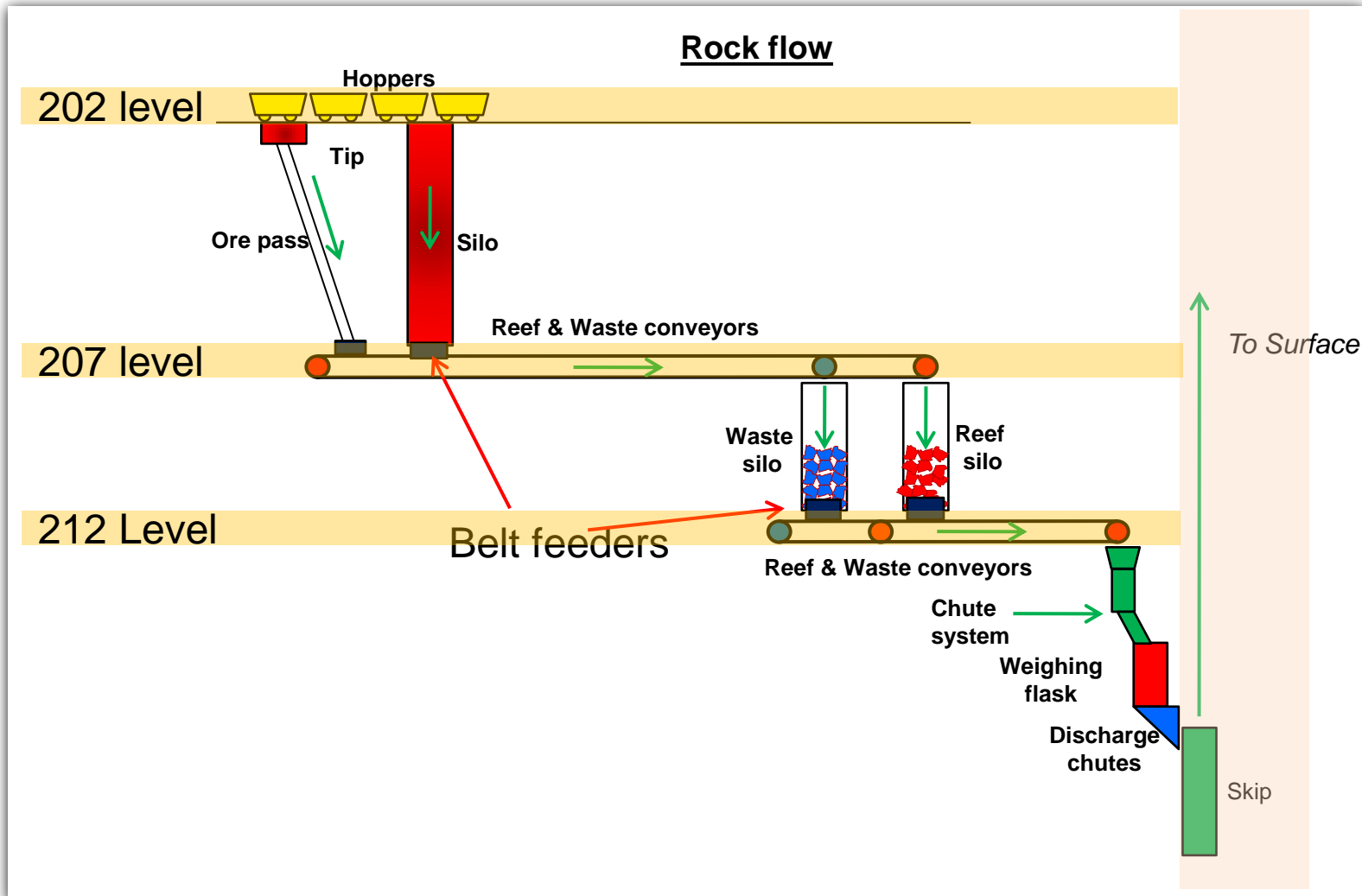


# Shaft schematic – South reef





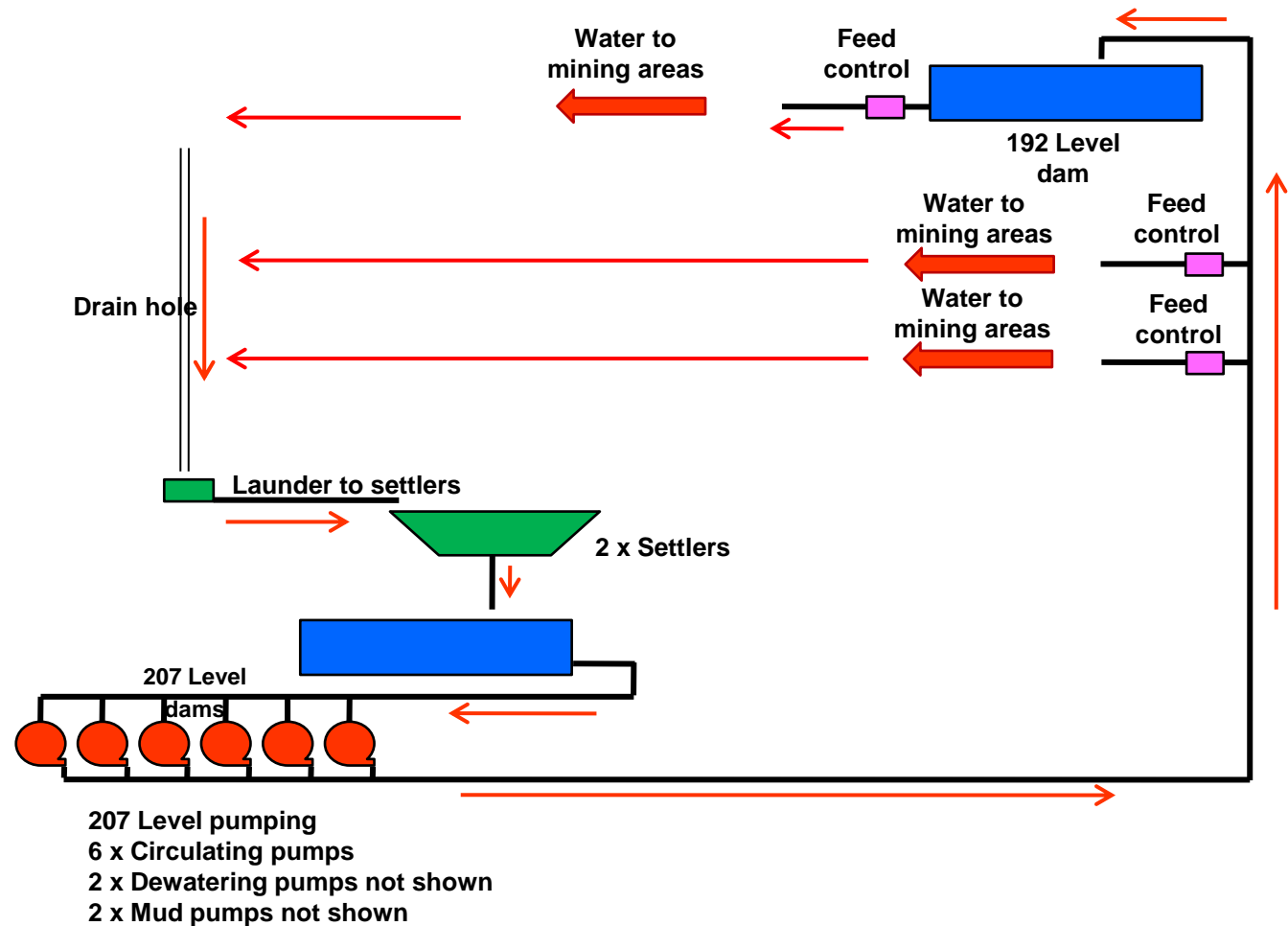
# Rock handling system

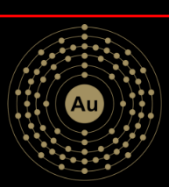




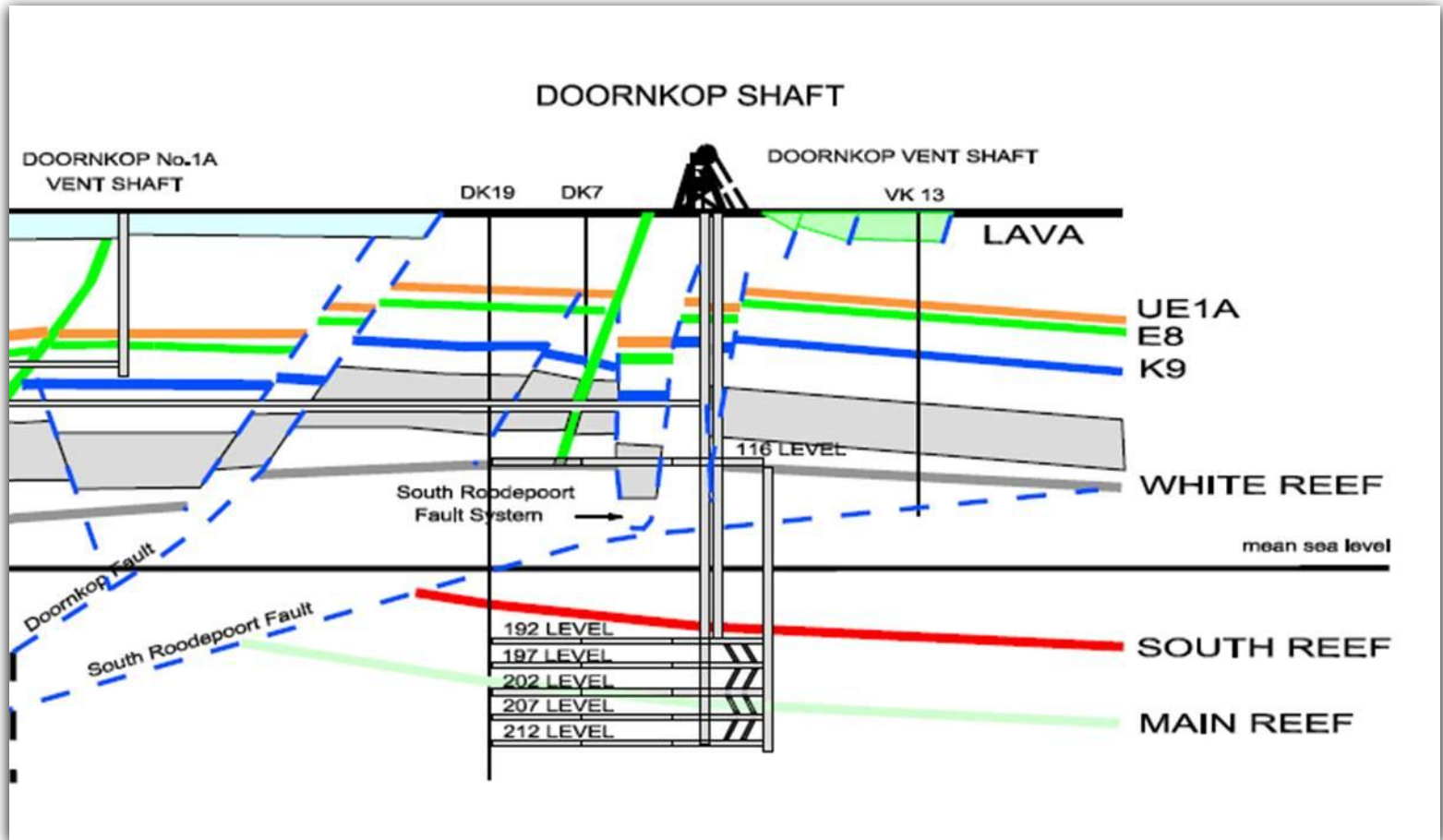


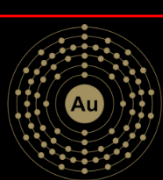
## Water reticulation



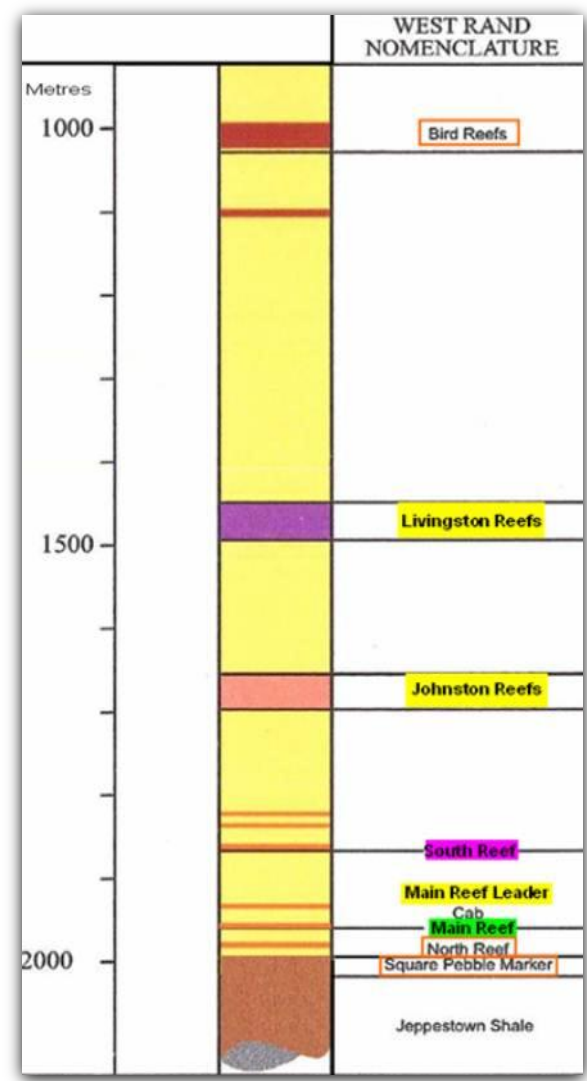
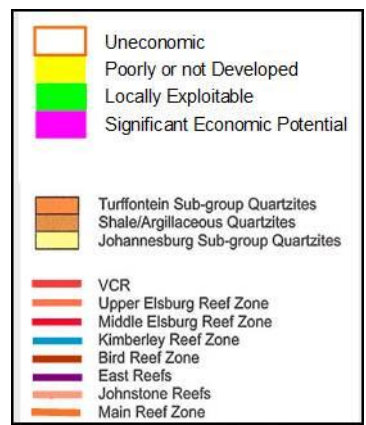
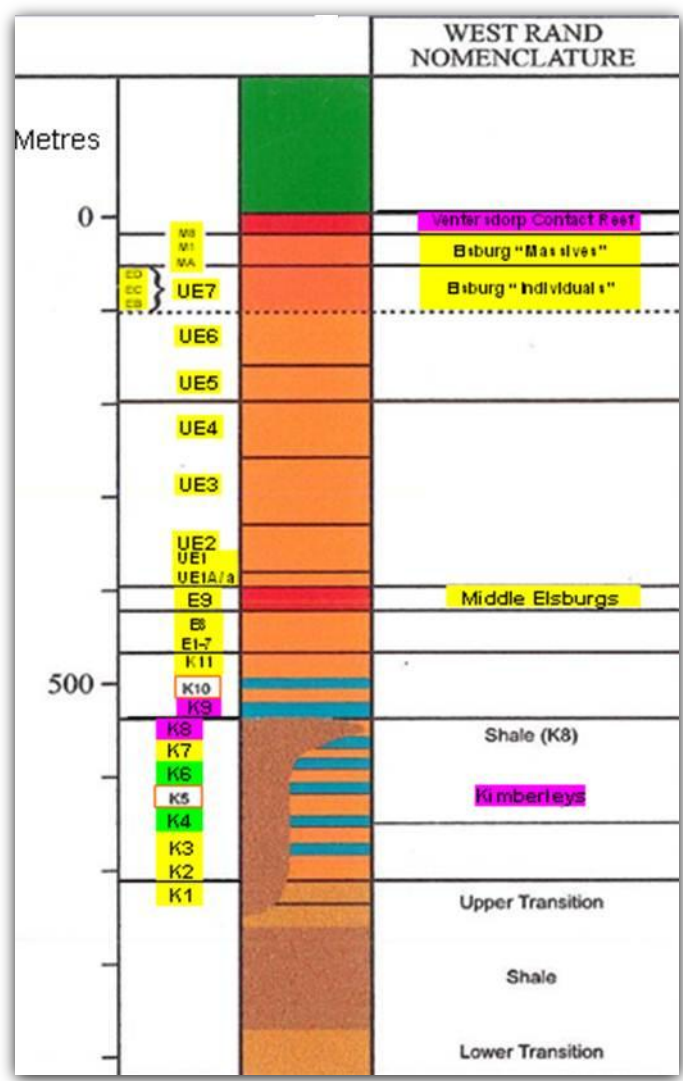


# Doornkop: Stratigraphic column

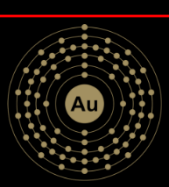




# Doornkop: Stratigraphic column | continued

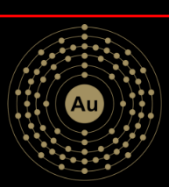






# Dual sink nearing - 212 level





Then....solid bottom sinking 212L





# Values, safety and safety initiatives

**HARMONY**  
ETD Service  
**Doornkop Training Centre**



- Start Time: 06h00 (Punctual).
- Documentation: Completed Route Form Required From Attendee.
- Clock in at Training Centre  
- Personal Clock Card to be available.
- Documentation to be signed off by Moderator/Facilitator at end of training.

HARMONY		DOORKOP VALUE INITIATIVES					
	Respect for other people	Teamwork	Discipline	Accountability	Commitment	Communication	
SENIOR MANAGEMENT	4	4	4	4	4	4	
MIDDLE MANAGEMENT	4	4	4	4	4	4	
SUPERVISORY LEVEL	4	4	4	4	3	4	

1 = Not Acceptable ; 2 = Fair ; 3 = Good ; 4 = Excellent





# Our values



- Safety is our number 1 priority
  - Commitment
  - Accountability
  - Honesty
  - Discipline
  - Respect
  - Teamwork
- 
- From September 2008 quarterly value surveys are performed to establish whether management and supervisors are still abiding to these values
  - Formal feedback is given to all supervisors and teams. Areas where improvement need to take place are highlighted
  - We believe that by living these values we have created a foundation to build a successful mine for the future.





## Behavioral safety program

- We initiated our ‘Siyanqoba’ program in 2007 with the support of our Unions and Associations and has never looked back
- Initially all crews and their supervisors attended a three day course that covered various behavioral topics.
- Today all new people recruited will attend a two day course aimed at familiarizing them with what behavior will be expected of them on the mine.

## Branding our Safety

- “Do you see my picture”
  - Alignment through communication to achieve common safety goals.
  - Our ‘Brand’ is displayed all over the mine.
- White flag working days
  - Every crew working underground has a flag pole at their working places.
  - Crews are awarded on their achievements and take great pride in how many white flag days they achieve.



## Training

- Research was conducted into the latest training methodologies and it was decided to adopt E-Learning on Doornkop in late 2006 due to the versatility and reliability of the system
- Our first learners went through E-Learning in 2008 and a study conducted by Prof. van Rensburg, proofed the training methodology to be more effective than traditional ways of training
- Continual evolving made possible with this electronic learning medium
- To date 7386 employees were trained on E-Learning



# Safety achievements

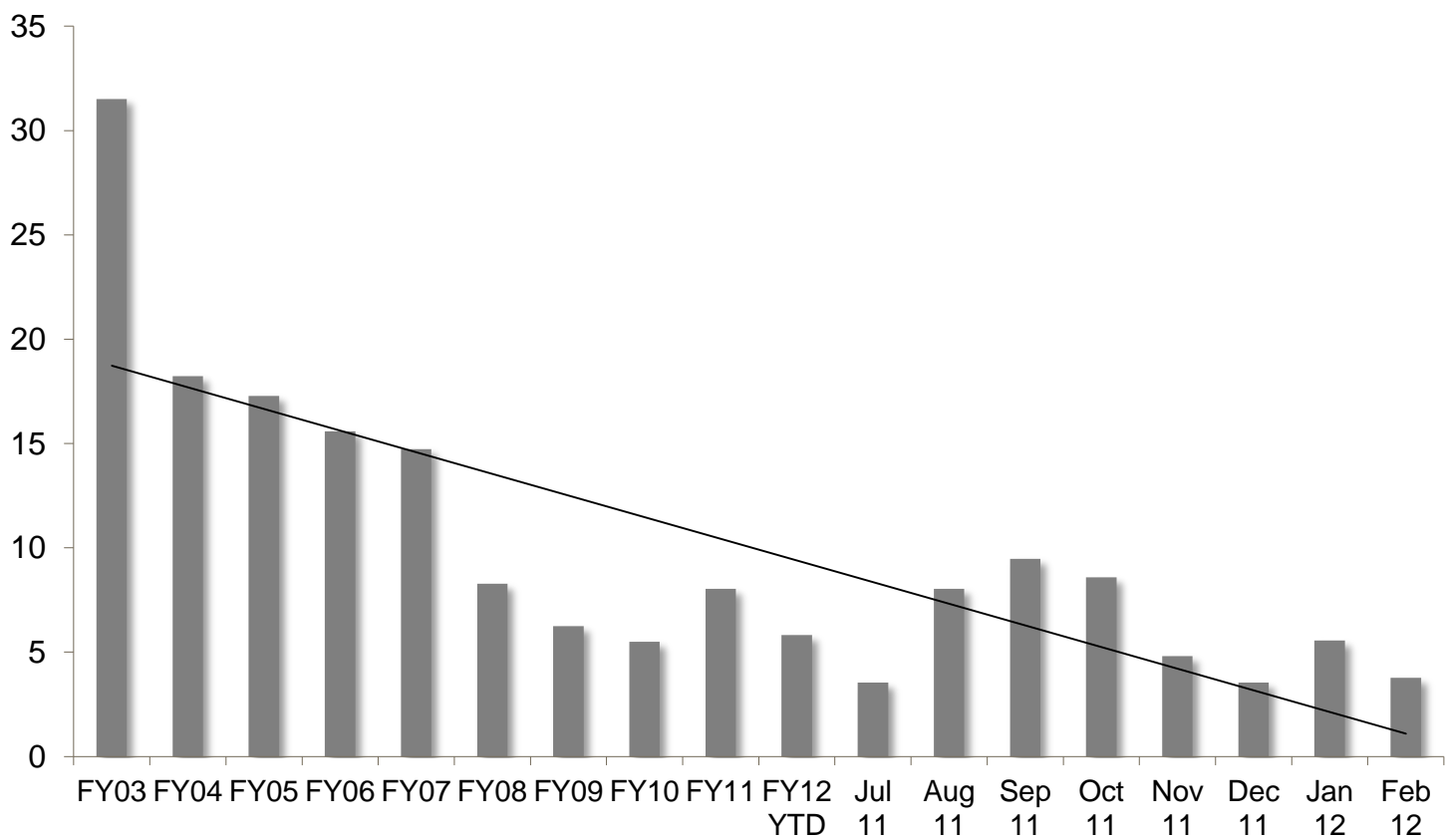


1 000 000 Fatality free shifts	14 August 2009
1 000 000 Fatality free shifts	21 September 2010
1 500 000 Fatality free shifts	7 April 2011
4 000 000 Fall of ground (FOG) fatality free shifts	19 April 2011
Best safety improvement - shield	2008
Best FOG improvement – shield	2008
Best safety performance - shield	2010
Lamp room Award	2010
Lamp room Award	2011



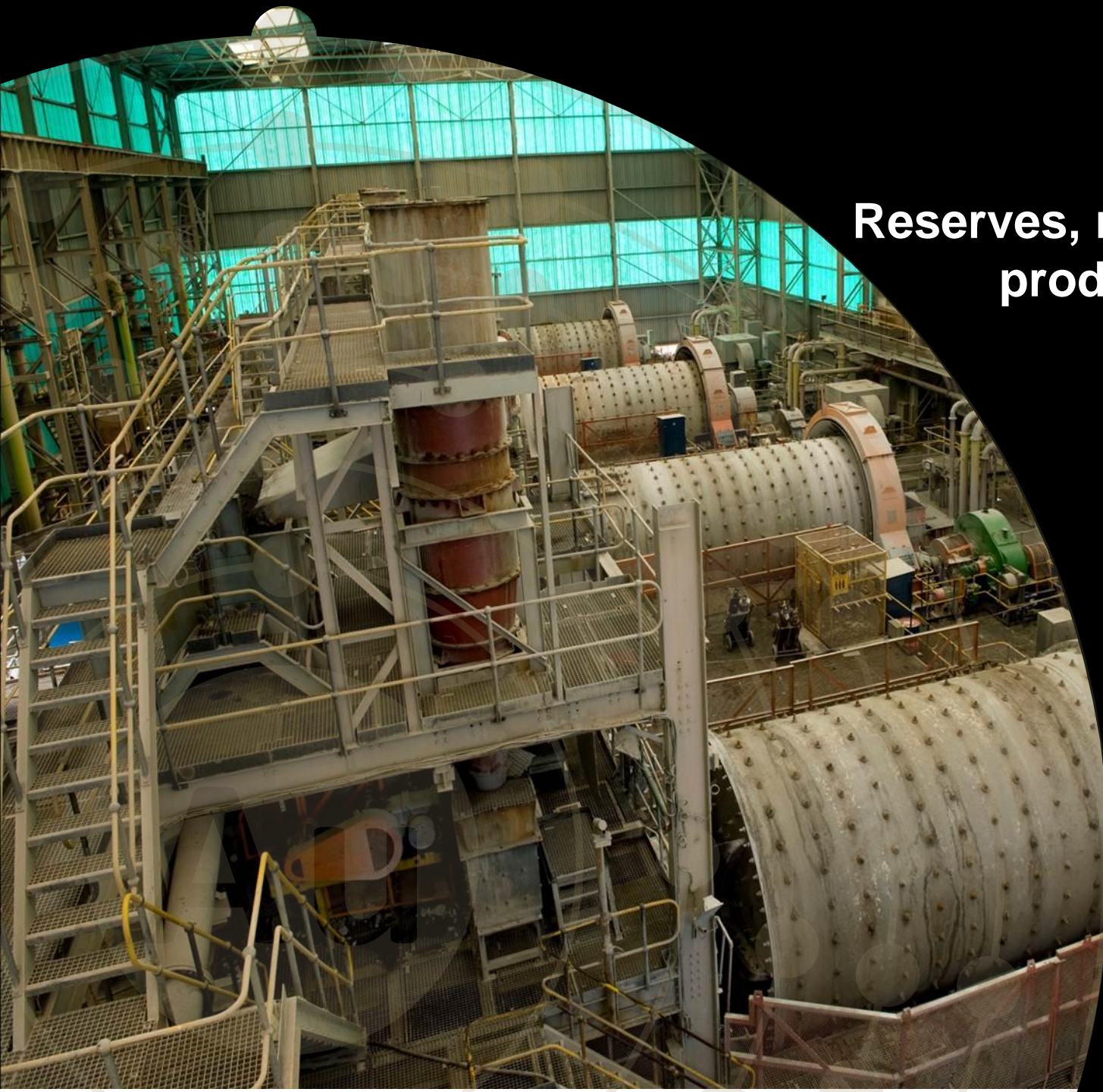


# Lost Time Injury Frequency Rate (LTIFR)



YTD: Year to date

# Reserves, resources and production figures





# Mineral Reserves and Resources (30 June 2011)



Operations	Tonnes (Mt)	(g/t)	Gold (000kg)	Gold (000oz)
<b>Total Mineral Resources</b>				
Kimberly Reef	11.5	2.37	27	879
South Reef	23.1	8.25	191	6 137
<b>Grand Total</b>	<b>34.6</b>	<b>6.30</b>	<b>218</b>	<b>7 016</b>
<b>Total Mineral Reserves</b>				
Kimberly Reef	5.4	2.23	12	390
South Reef	3.2	5.33	17	552
<b>Grand Total</b>	<b>8.7</b>	<b>3.39</b>	<b>29</b>	<b>942</b>
<b>Modifying factors</b>				
	<b>MCF (%)</b>	<b>SW (cm)</b>	<b>MW (cm)</b>	<b>PRF (%)</b>
Kimberly Reef	95	357	365	95
South Reef	80	124	153	95



# Key production statistics (annually)



<b>Production</b>		<b>FY11</b>	<b>FY10</b>	<b>FY09</b>
Volumes milled	'000 (metric)	718	540	549
	'000 (imperial)	792	595	605
Gold produced	kg	2 512	1 950	1 311
	oz	80 763	62 694	42 150
Average grade	g/t	3.50	3.61	2.38
	Oz/t	0.102	0.105	0.070
<b>Financial</b>				
Revenue	R million	781	517	343
	US\$ million	112	68	38
Operating cost*	R/kg	236 810	200 324	232 699
	US\$/oz	1 054	822	804
Operating profit	R million	180	107	62
	US\$ million	26	14	7
Capital expenditure	R million	292	342	395
	US\$ million	42	45	44

\* Includes royalty payment in FY10 and FY11.

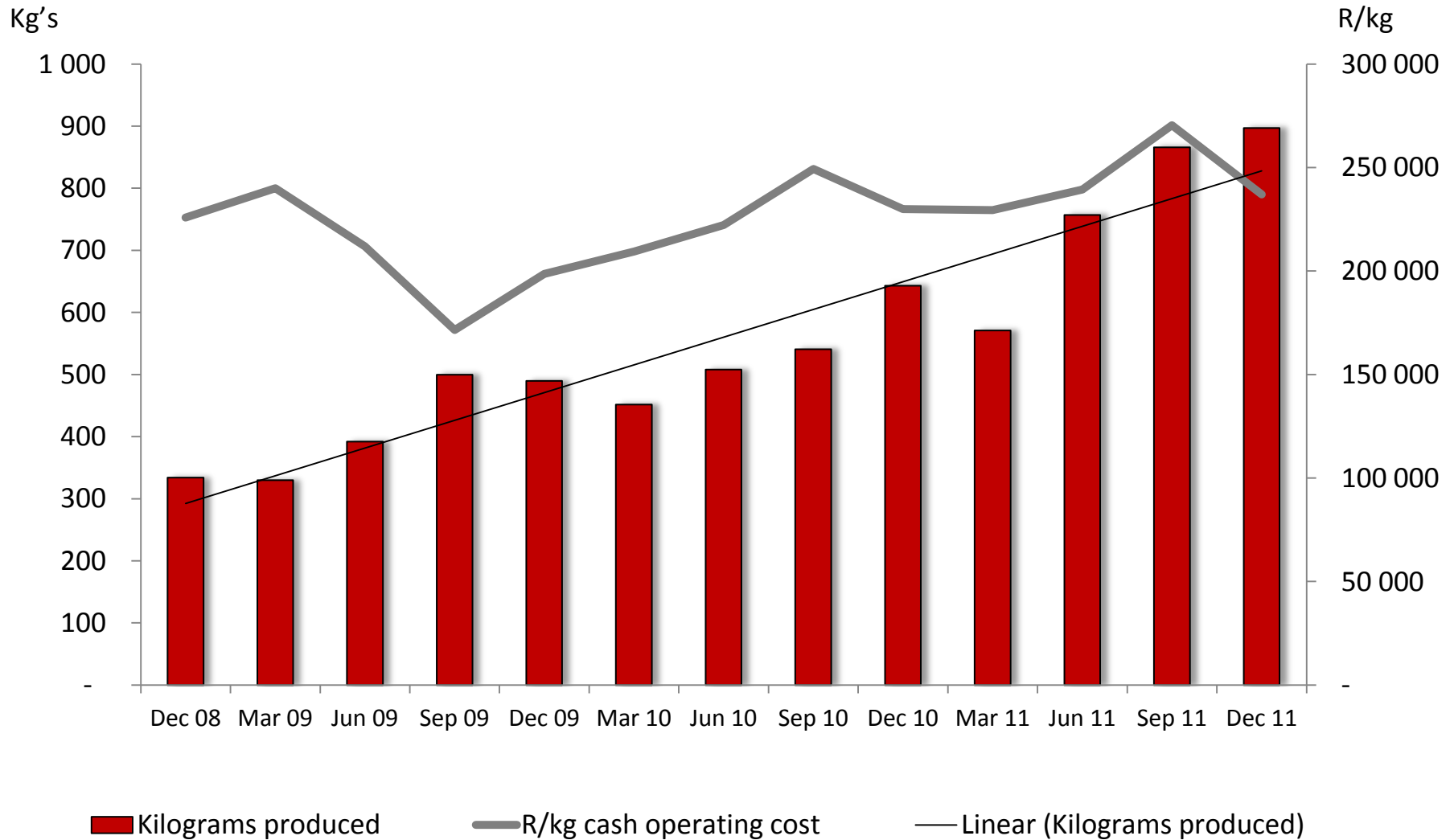




		FY11	FY10
<b>People</b>			
Number of employees			
Employees		2 838	1 645
Contractors		853	1 004
Total		3 691	2 649
HDSA in management	%	35	38
Women in mining	%	9	8
Training & dev. expenditure	R million	19	10
<b>Safety</b>			
Fatalities		0	2
LTIFR	Per million hours worked	8.04	5.50
<b>Environment</b>			
Electricity used	000MWh	161	155
Water used for primary activities	000m <sup>3</sup>	2 750	2 725
GHG emissions	000t CO <sub>2</sub> e	165	184
<b>Local economic development</b>	R million	4	4
<b>Status of mining right</b>	New-order mining right granted in December 2007		



# Production and cash operating costs (R/kg)





# Latest quarterly results (Q2 of FY12)



Indicator	Units	Dec 2011	Sept 2011	% variance
Tonnes	000	232	277	(16)
Grade	g/t	3.87	3.13	24
Gold produced	Kg	897	866	4
Cash operating costs	R/kg	237 007	270 487	12
Operating profit	R'000	179 225	118 607	51





# Upgrade of infrastructure at the South reef

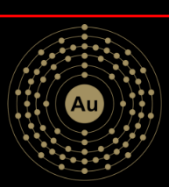


- Press release 17 February 2012
- The build-up in production on the South reef reached a plateau
- Design changes were required and ways of improving production from the South reef
- Production at South reef was stopped for 17 days at end of February 2012
- Production at Doornkop will be 45% to 50% less than the December quarter
- Upgrade will accelerate its production growth in the long term, allowing the operation to ramp up to full production in FY15.



# Development and the way forward

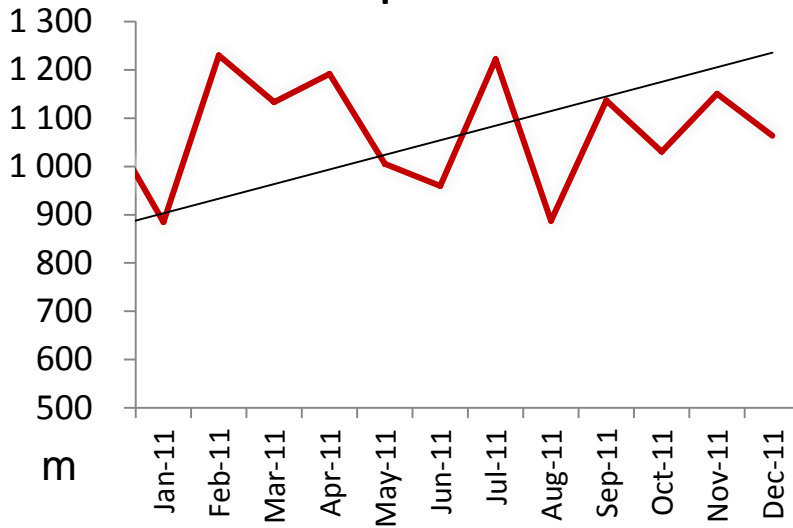




# Development metres and square metres mined

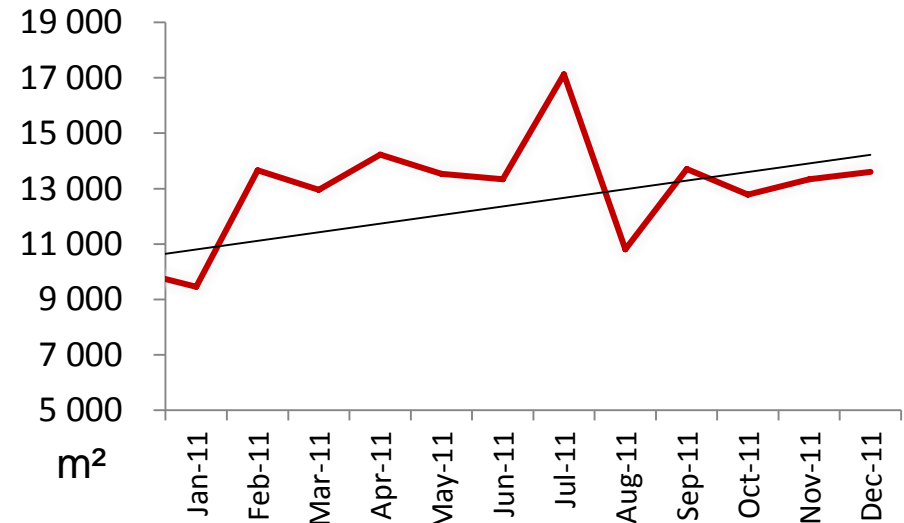


### Development metres



— Development metres  
— Linear (Development metres)

### Square metres mined



— Square metres mined  
— Linear (Square metres mined)



# The way forward



- Expected potential ounces: 190 000-220 000oz
- Cash operating cost\* R/kg: R200 000-220 000/kg
- Cash operating cost\* US\$/oz: US\$820-905/oz
- Life of mine (LOM) ~14 years

\*Future costs are calculated in real terms and using an exchange rate of R7.57/US\$



**Thank you for  
visiting  
Doornkop**





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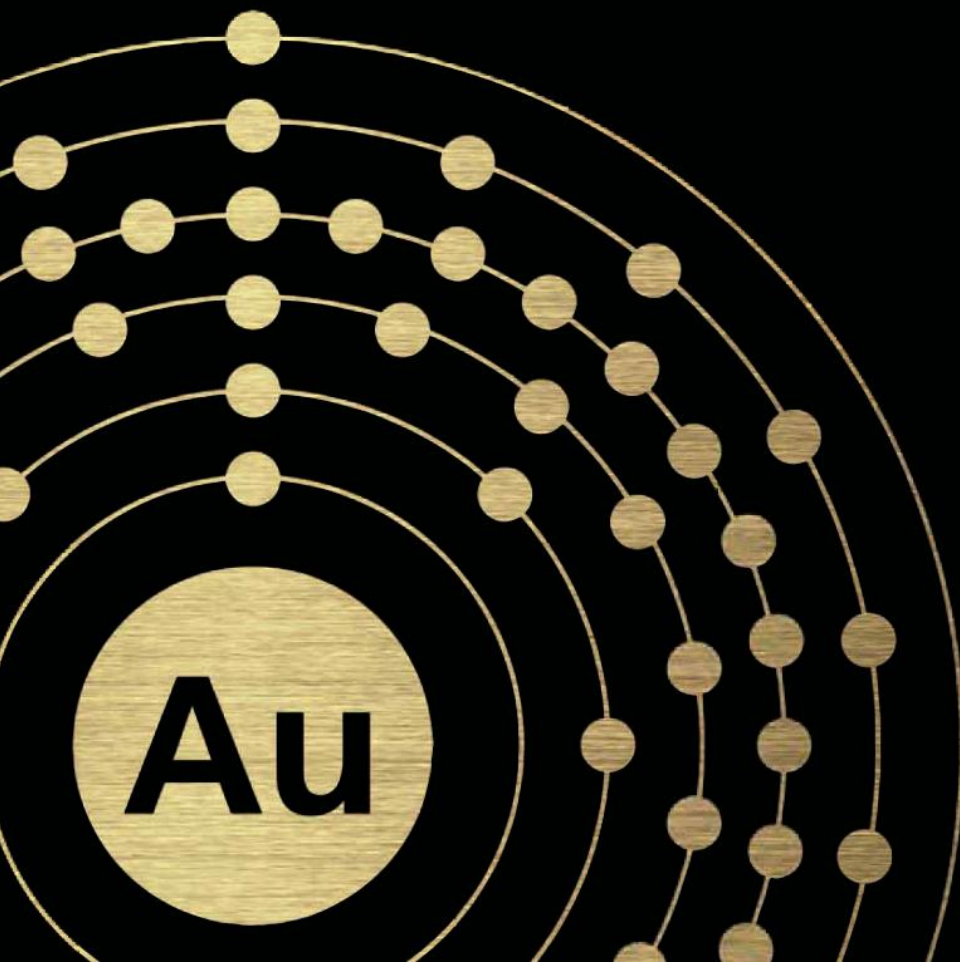
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