



PetraDiamonds



Finsch Mine Welcomes You

30 January 2013

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Finsch Site Visit Itinerary

- 11:15 Finsch mine presentation
- 12:30 Underground visit
- 14:00 Surface and overview of Central Control Room
- 14:30 Lunch
- 15:10 Plant and pit visit
- 16:00 Diamond viewing
- 17:00 CSR presentation and closing discussions
- 17:45 Group 1 departs for Lime Acres airstrip
Group 2 proceeds to Guest Houses
- 18:00 Group 1 departs KIM; arrives ORT 19:20
- 18:30 Group 2 to be collected from Guest Houses
- 19:00 Drinks at Bonza Game Farm lookout point
- 20:00 Dinner at Bonza Game Farm

Thurs 31 Jan – Group 2 picked up from Guest Houses at 08:15 for 09:00 dep for Cape Town






- **Exceptional growth profile** to 5 million carats pa
- **Diversified portfolio** of producing mines & exploration
- **Major, long life resource base** of +300 million carats
- **High quality** assets & management team
- **Sustainability** at heart of Petra
- **Pure play** exposure to diamond market
(LSE:PDL; member of FTSE 250)



Building a world-class diamond group

An Exceptional Growth Path

Petra has acquired five non-core diamond mines from De Beers:

July 2007	July 2008	November 2008	May 2010	September 2011
Koffiefontein 	Cullinan 	Williamson 	Kimberley UG 	Finsch 
74% Petra; 26% BEE	74% Petra; 26% BEE	75% Petra; 25% Government of Tanzania	76% Petra; 24% BEE	76% Petra; 24% BEE
Front Cave	Block Cave	Open Pit	Block Cave	Block Cave
13yr Mine Plan +20yr Potential Life	18yr Mine Plan +50yr Potential Life	18yr Mine Plan +50yr Potential Life	10yr Mine Plan +12yr Potential Life	18yr Mine Plan +25yr Potential Life

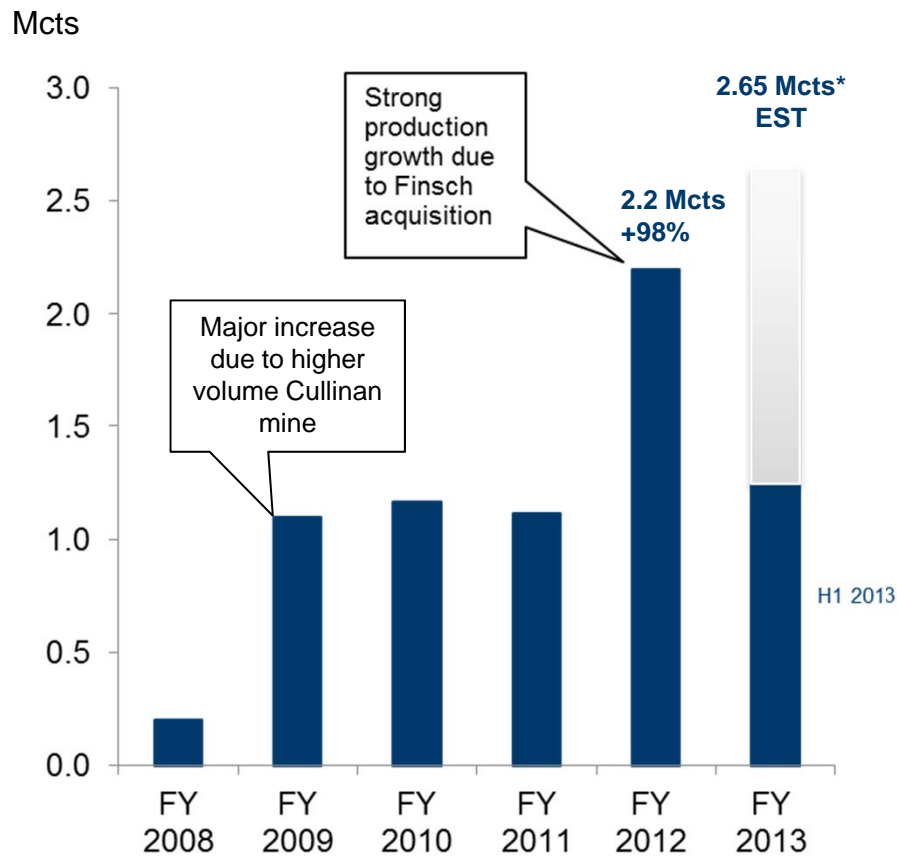
The Petra approach:

- Focus on efficiencies and simplification
- Utilise in-house capabilities and share services across mines
- Focus on 'value' as opposed to 'volume' production
- Maximise rough diamond prices through competitive tender sales system

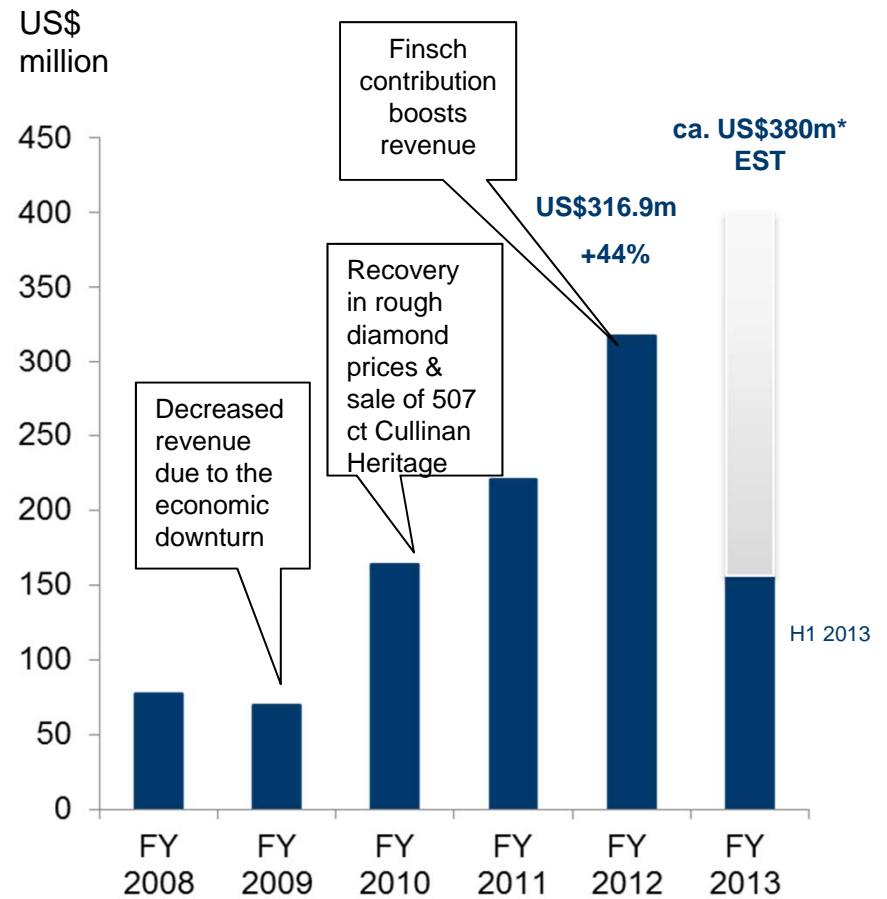
Proven Track Record – Continuous Growth



Gross Production Profile - CAGR of 82%



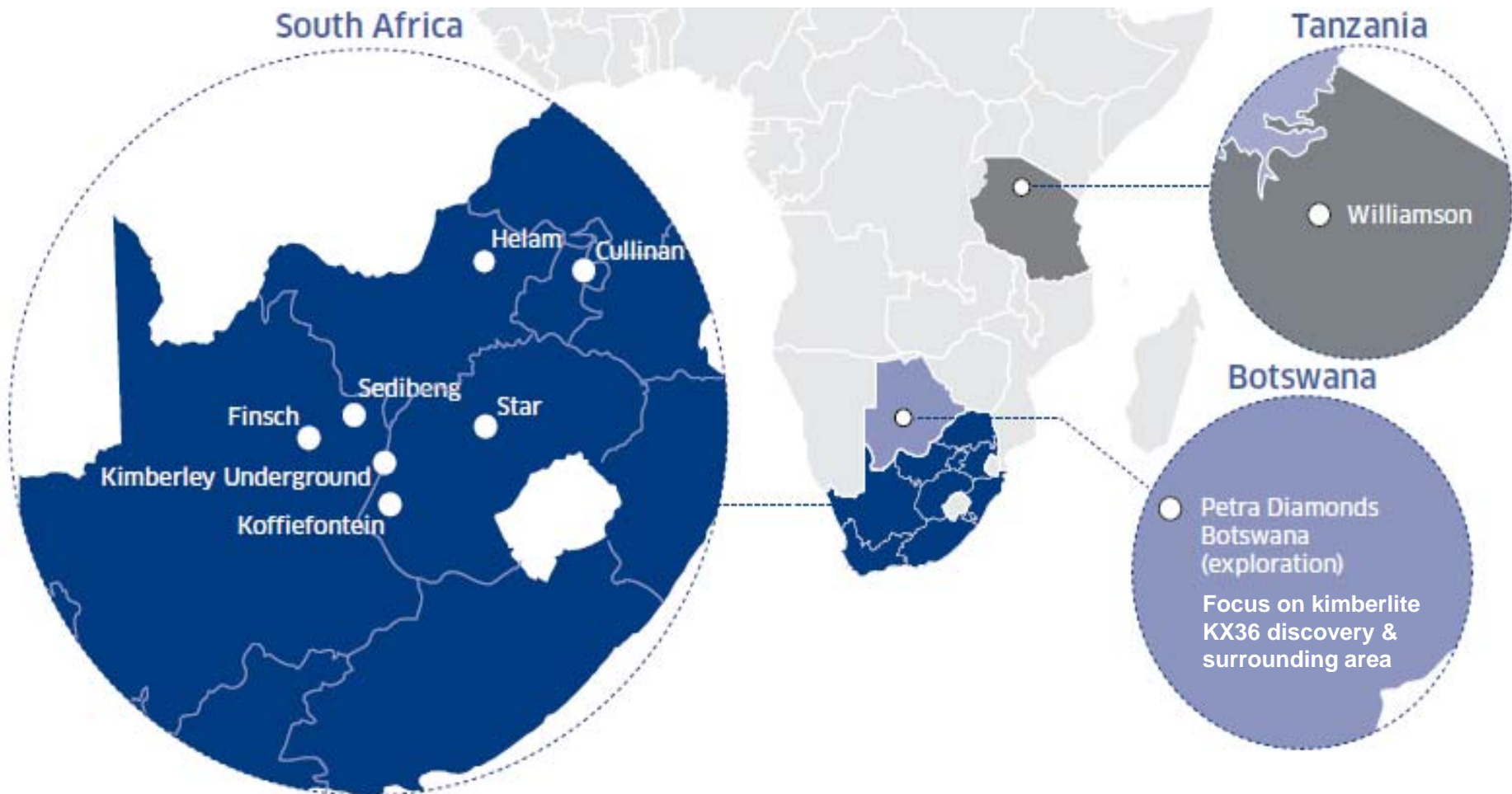
Gross Revenue Profile - CAGR of 41%



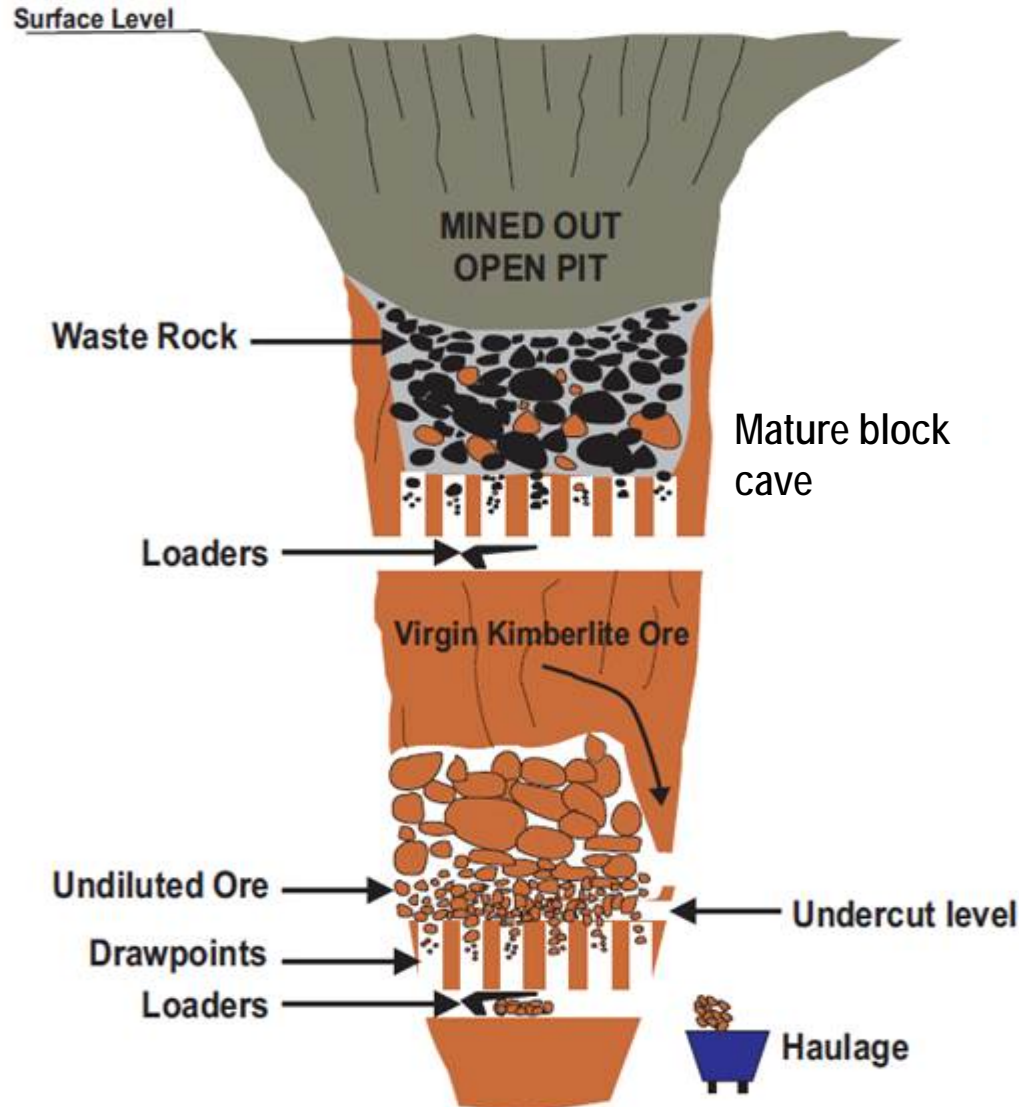
* FY 2013 production and revenue are management estimates only

Focus on Africa - source of ~60% of world's diamonds by value

- Multi-mine portfolio provides flexibility in terms of operational performance
- Disposal process underway for non-core Fissure Mines (Helam, Sedibeng, Star)



Objective – Accessing Undiluted Ore



- Current underground mining taking place in diluted mature caves nearing end of lives
- Expansion programmes to take next 'cut' by deepening and establishing new block caves in undiluted kimberlite
- Grades to rise significantly:
 - *Cullinan* ~30 cpht to ~50cpht
 - *Finsch* ~30cpht to ~47cpht
 - *Koffiefontein* ~5cpht to ~8cpht
- Substantial higher revenue per tonne leading to increased margins
- Reduces wear and tear on processing systems (waste rock is harder and more abrasive than kimberlite)

FINSCH OVERVIEW

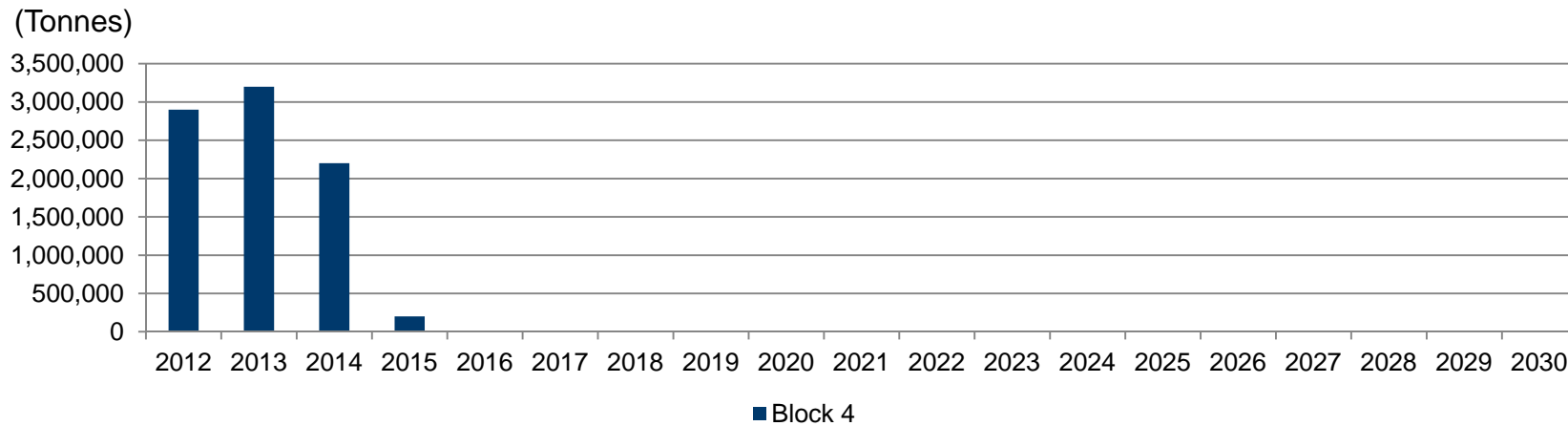
Finsch At A Glance

1961	1963	1978	1980	1990	2002	2008	2011
							
Established Finsch Diamonds	Full mining rights	First stage underground mining	Upgrade of treatment plant	Open pit operation ceased	Development of Block 4 started	Second upgrade of treatment plant	Change of ownership & start of Block 5 development

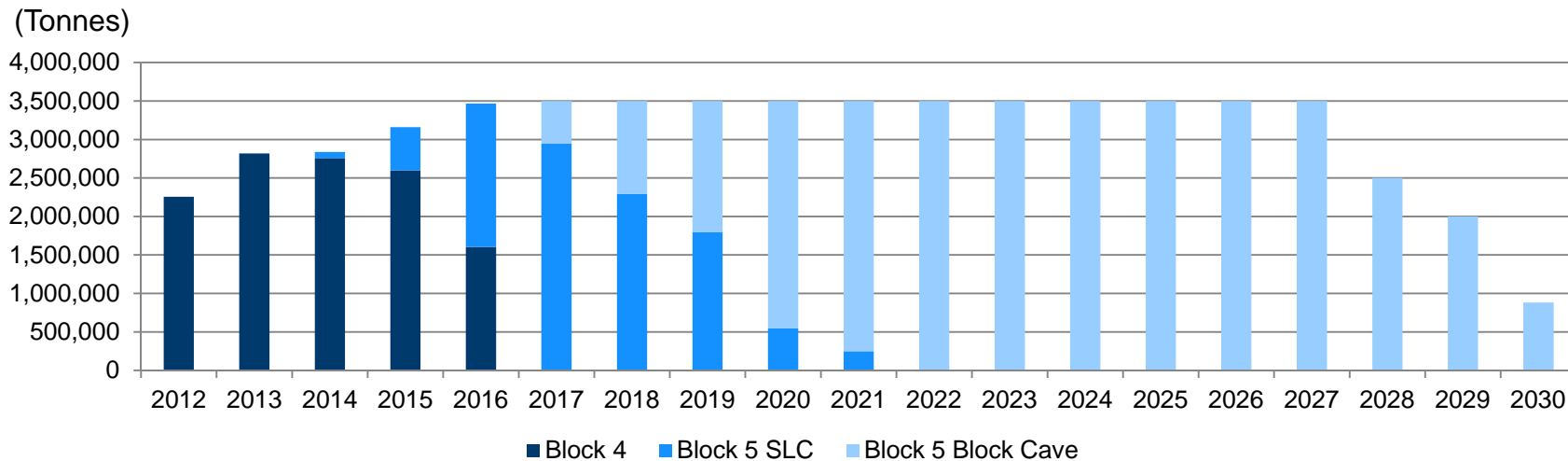
- South Africa's second largest diamond mine by production
- Major Resource of 42.3 Mcts, incl. 23.9 Mcts Reserves and 2.2 Mcts tailings
- World class operation with state-of-the-art infrastructure and modern plant
- Block cave mining (high volume, low cost)
- Highly skilled management team
- Excellent safety and environmental performance
- Production rising from ~1.5 Mctpa to 1.9 Mctpa by FY 2017 (1.6 Mctpa ROM & 0.3 Mctpa tailings)

A Sustainable Future

Before – facing closure:



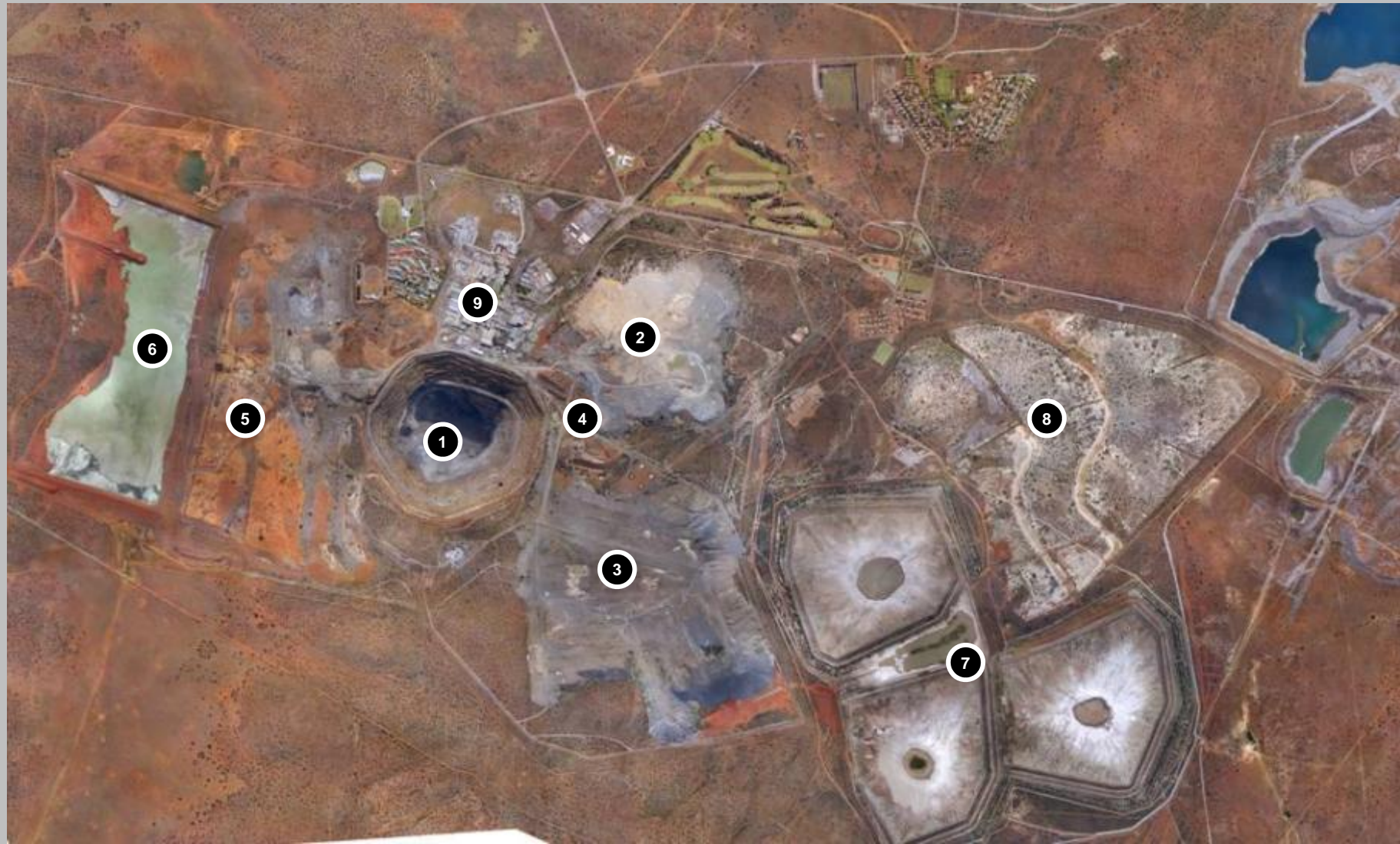
After – Petra mine plan of +18 years:



Residual resources (Block 6) provide basis for continued life post 2030



Mine Site Layout

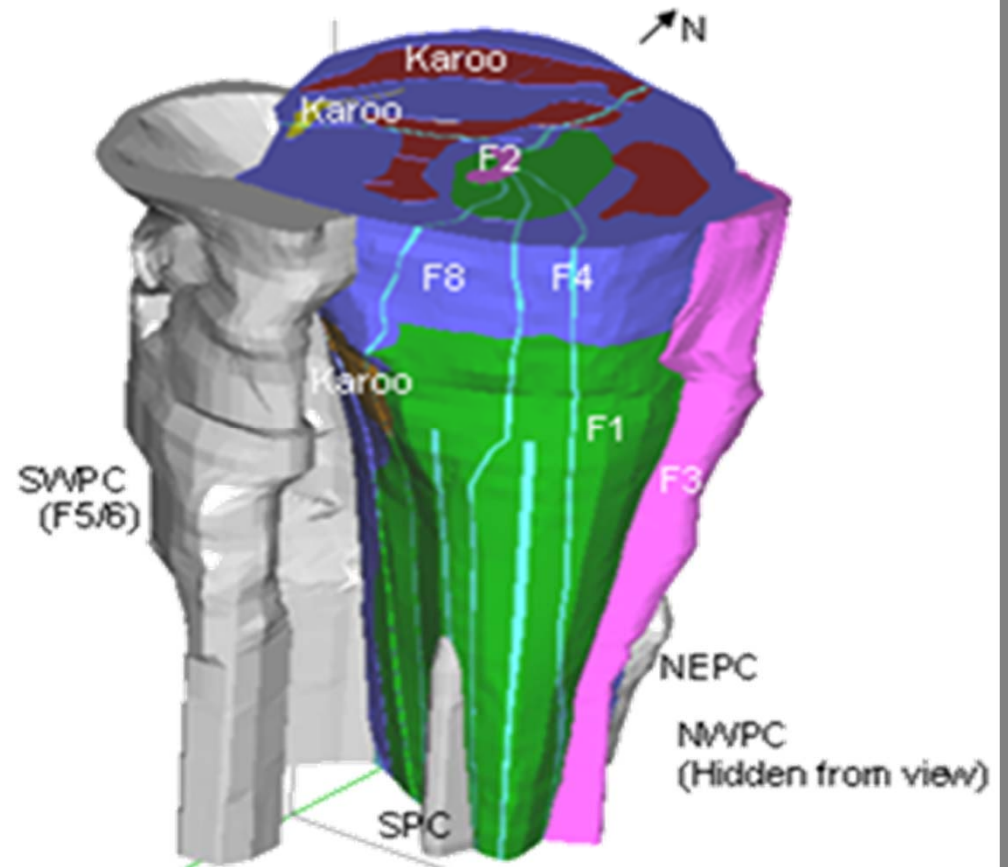


- | | | | | | | | |
|---|-------------|---|--------------------|---|-----------------|---|--------------------------------|
| 1 | Underground | 3 | Post-79 TD | 5 | Waste rock dump | 7 | FRD's 1,2 and 3 and Infill Dam |
| 2 | Pre-79 TMR | 4 | Overburden Deposit | 6 | Britz FRD | 8 | Old Paddocks |

MINING OVERVIEW

Geology

- The Main Pipe is roughly circular and intrudes into Karoo and Griqualand West Group Rocks
 - A Group II kimberlite pipe with an age of 118Ma
 - 17.9ha on surface
 - Tapers to 3ha at 1,000m
 - Truncates earlier Precursors
- Total of 8 different kimberlite facies each with unique characteristics and different grades
- 2 facies (F1 and F8) make up majority of the main pipe
- Grade increases with depth (decrease in waste dilution)



Block 4 Block Cave

Develop tunnels

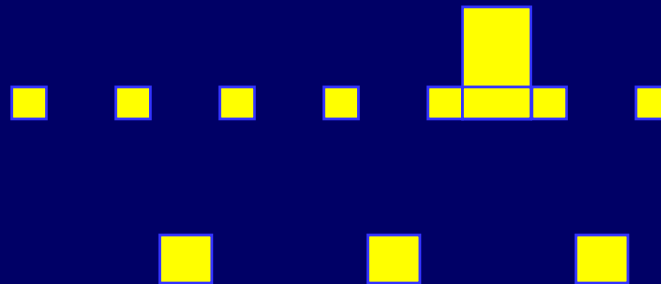
Create Undercut slot

61L

61L

63L

63L



Block 4 Block Cave

Develop tunnels

Create Undercut slot

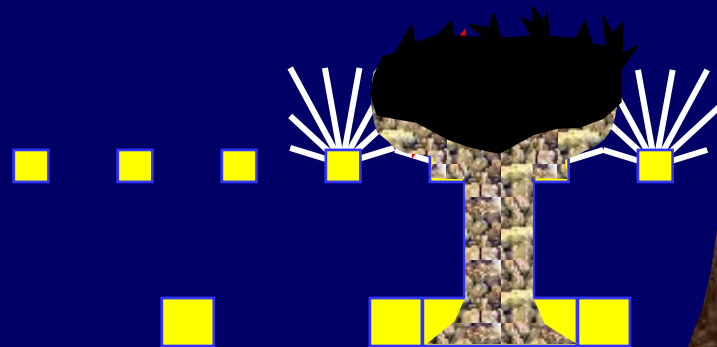
Drill Undercut rings

Blast Undercut rings

Create Troughs

61L

63L



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63L

Block 4 Block Cave

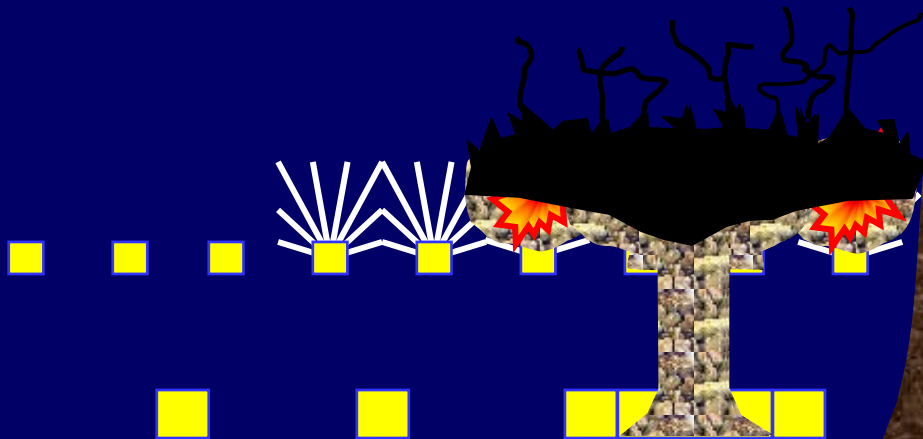
Reach hydraulic radius

61L

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Block 4 Block Cave

Reach hydraulic radius

Development complete

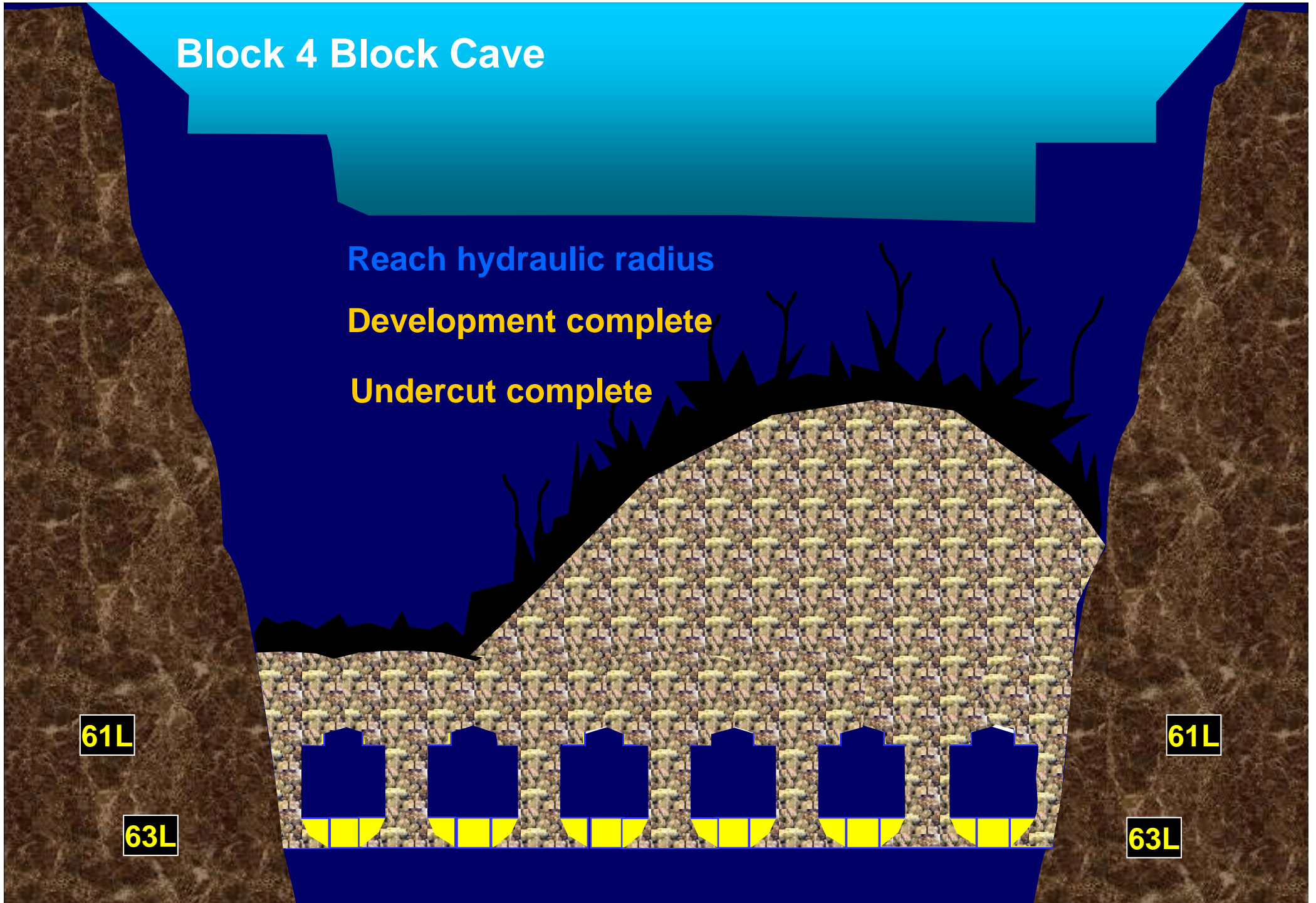
Undercut complete

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Block 4 Block Cave

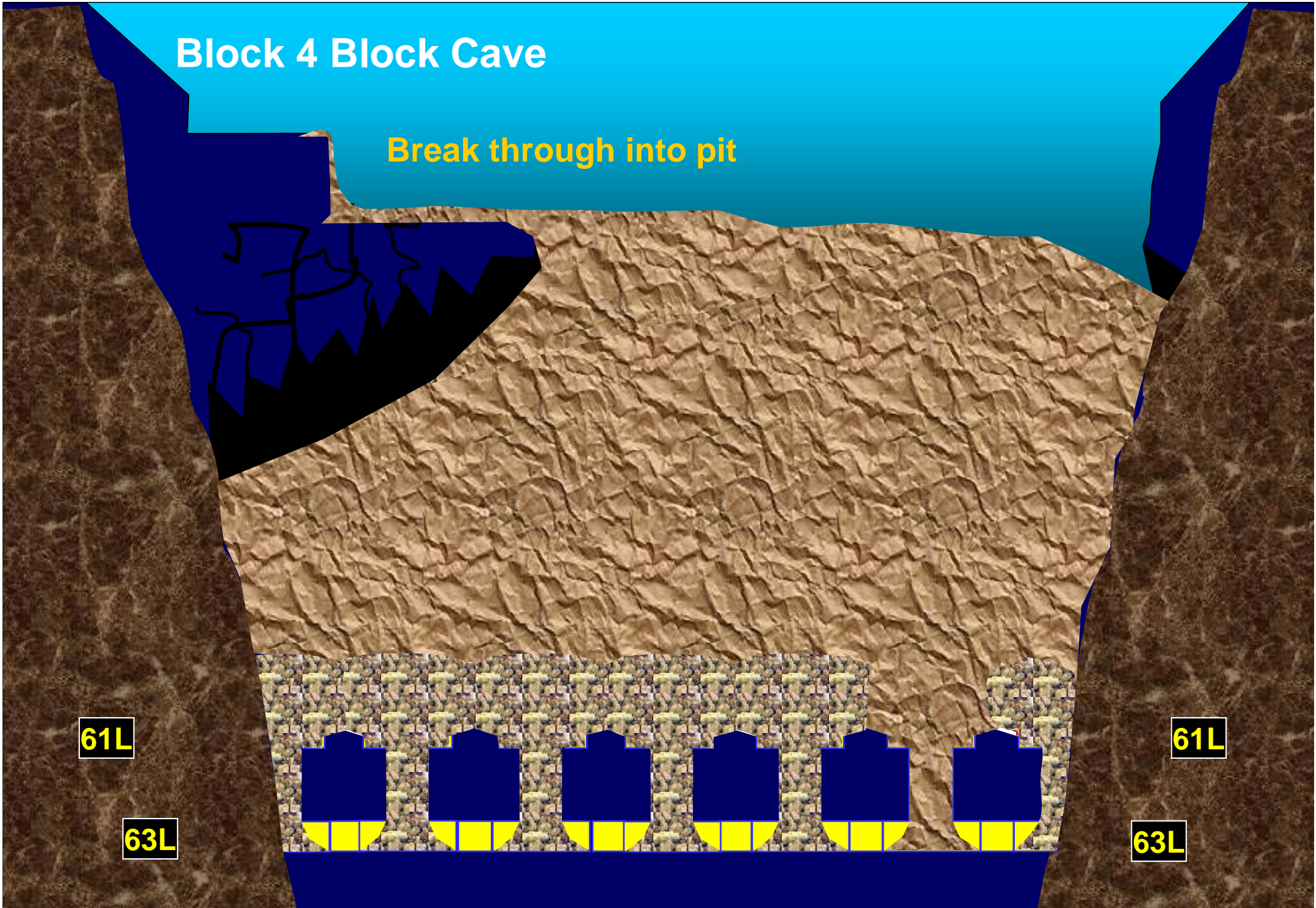
Break through into pit

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Block 4 Block Cave

51L

51L

53L

53L

Sidewall collapse

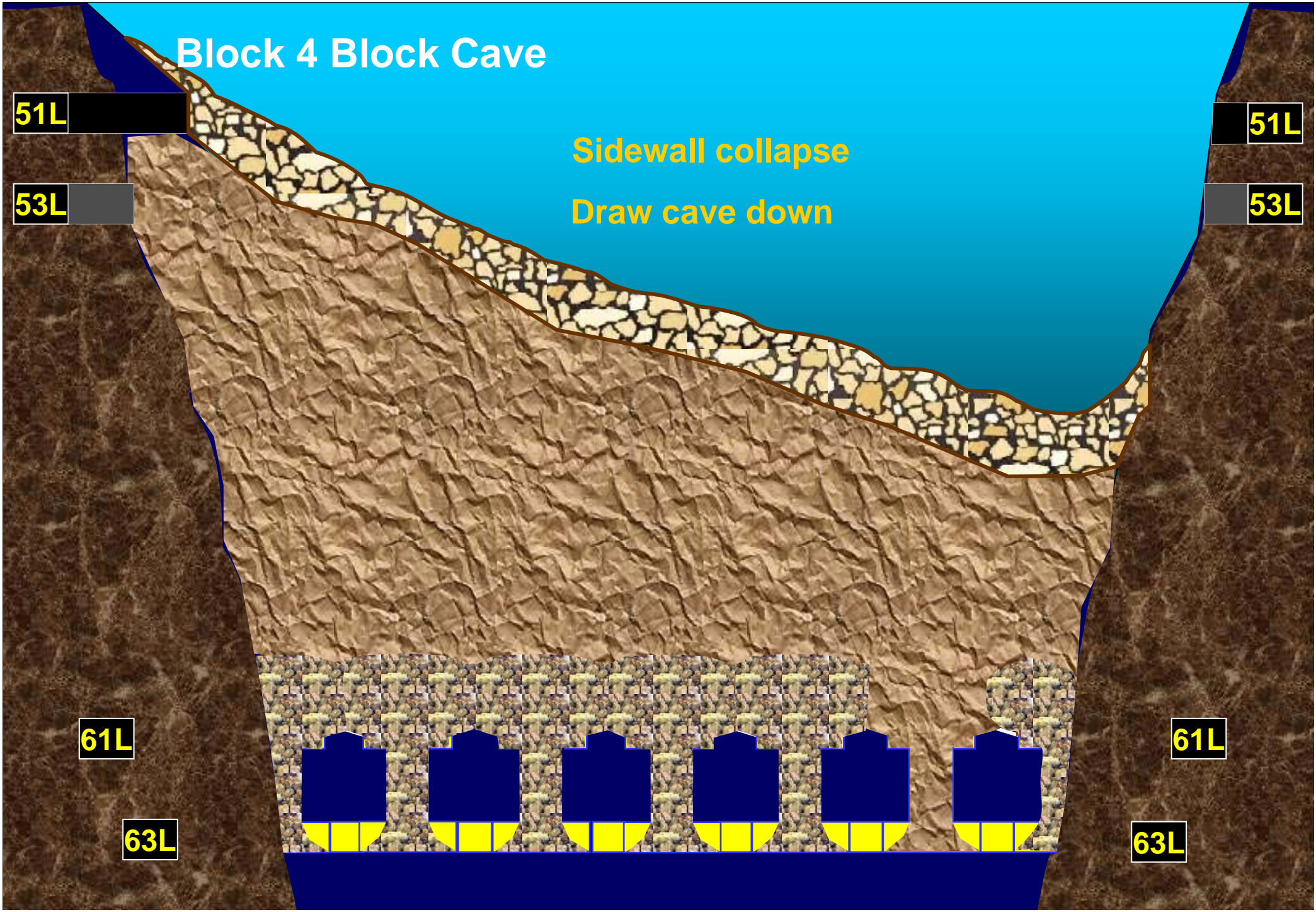
Draw cave down

61L

61L

63L

63L



Block 4 Block Cave

Draw Control

51L

51L

53L

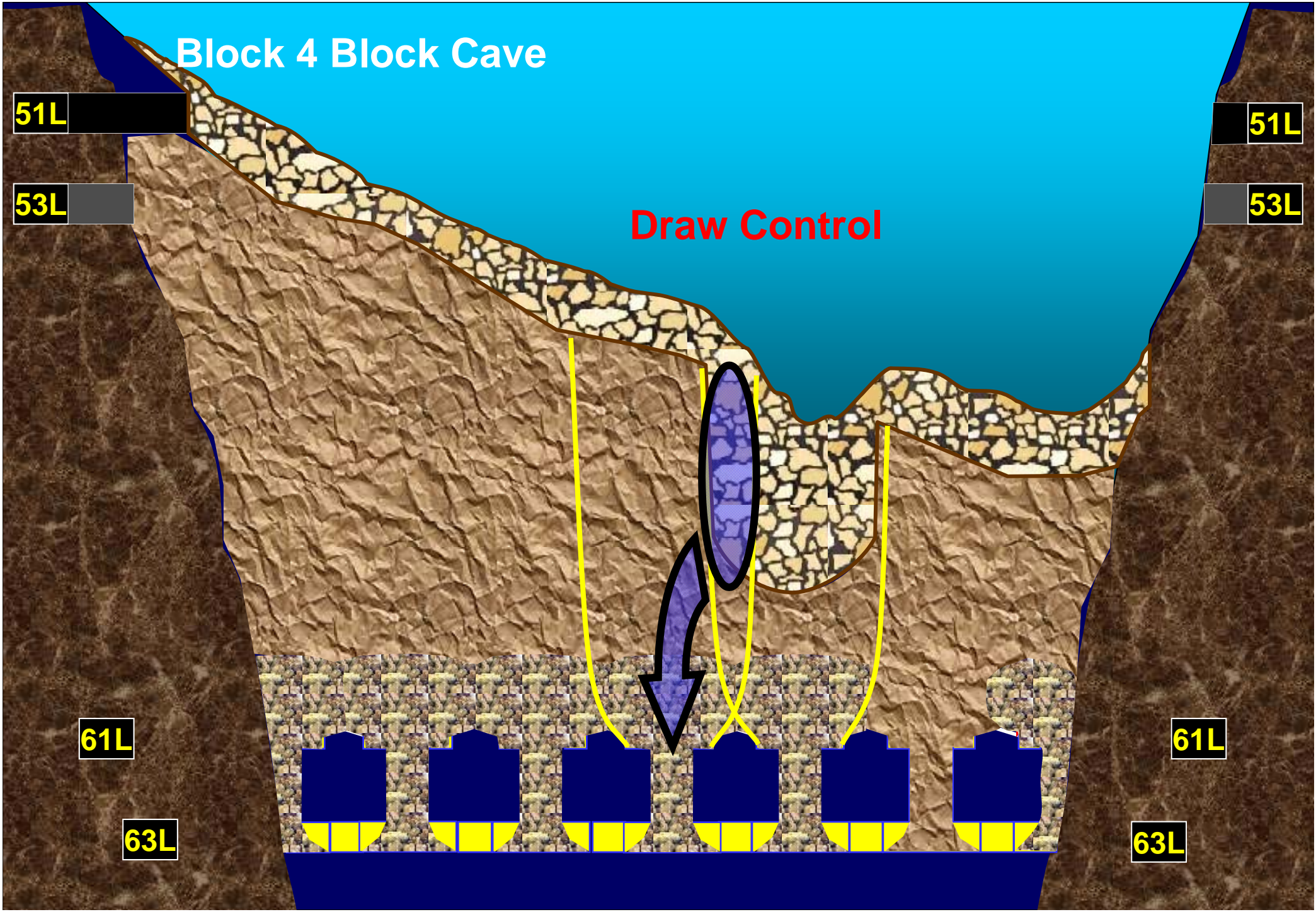
53L

61L

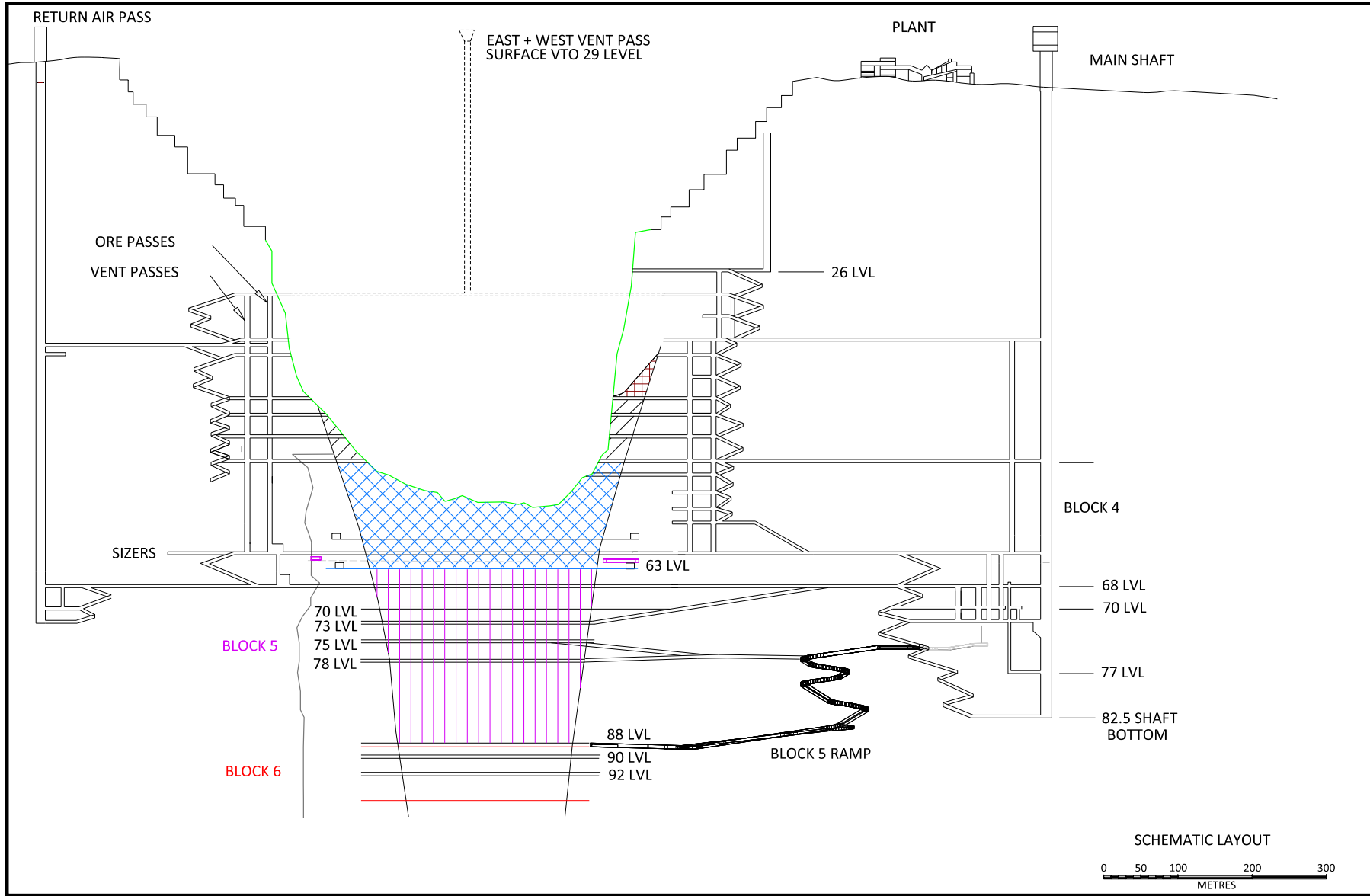
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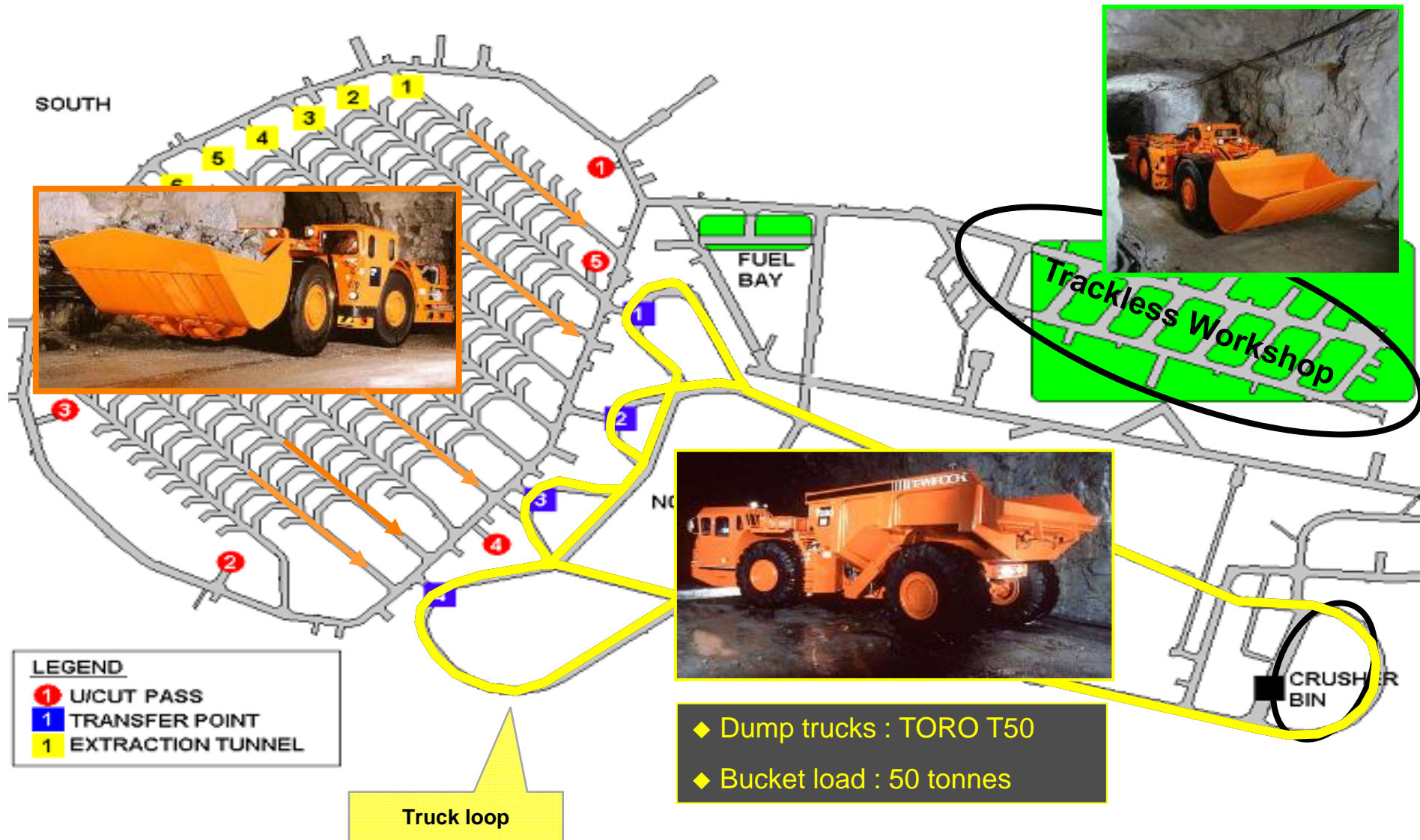
63L



Mining Overview



Block 4 – 63 Level Layout



DEVELOPMENT PROGRAMME

Expansion Plan – Key Deliverables

Expansion Plan – to take ROM production from 2.8Mtpa to 3.5Mtpa

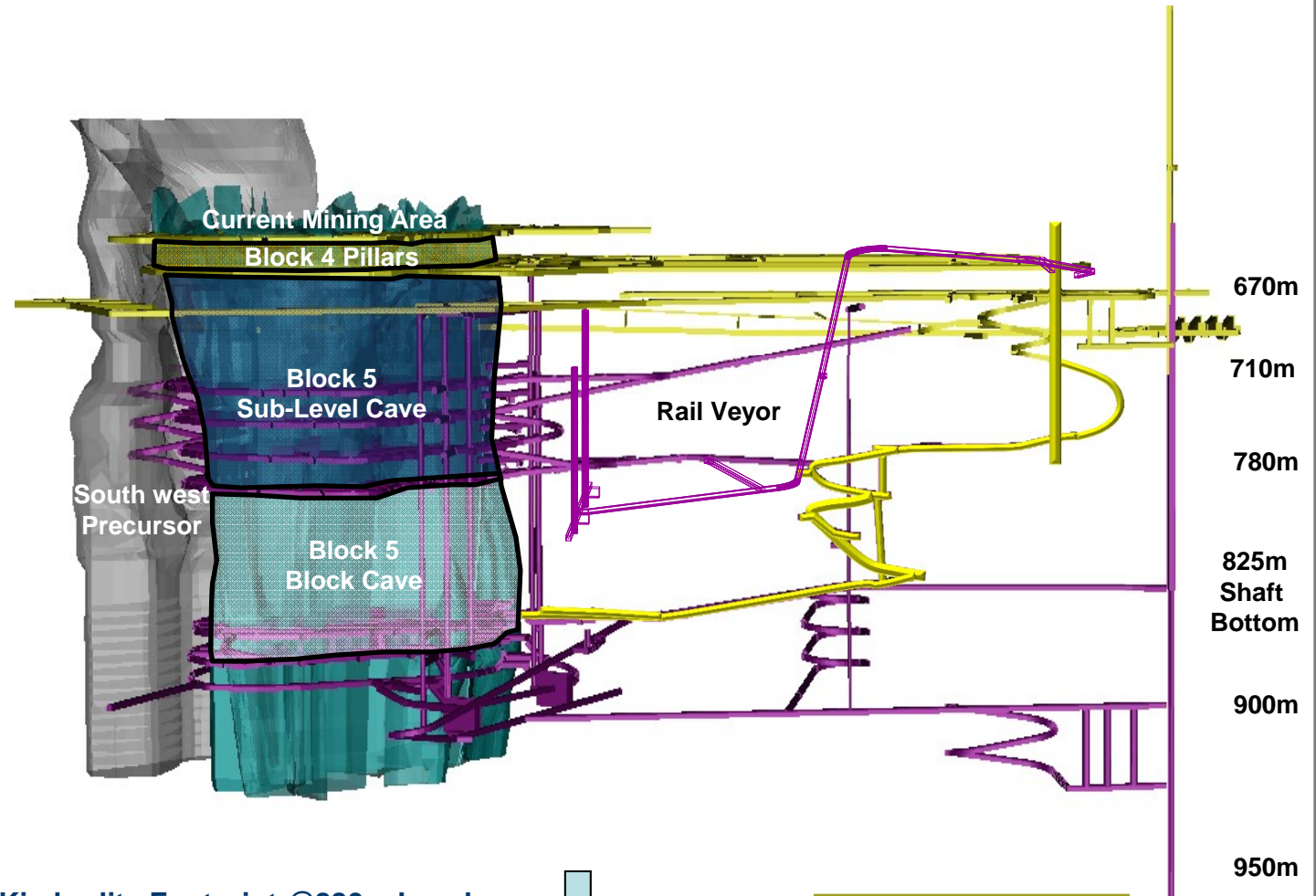
- Mining currently taking place in Block 4 at 630m – **FY 2013**

Change in scope for FY 2013 to FY 2016:

- SW Precursor removed from mine plan
- Footprint of SLCs enlarged
- Main Block 5 cave deferred by two years
- Earlier access to undiluted ore & defers major Capex

Expansion plan – key points:

- Development of SLC down to 780m – from **FY 2013**
- Rail Veyor ore handling infrastructure – from **FY 2015**
- First production from Block 5 SLC – **FY 2015**, ramping up to full production – **FY 2017**
- Steady state production from Block 5 block cave at 900m – **FY 2020**



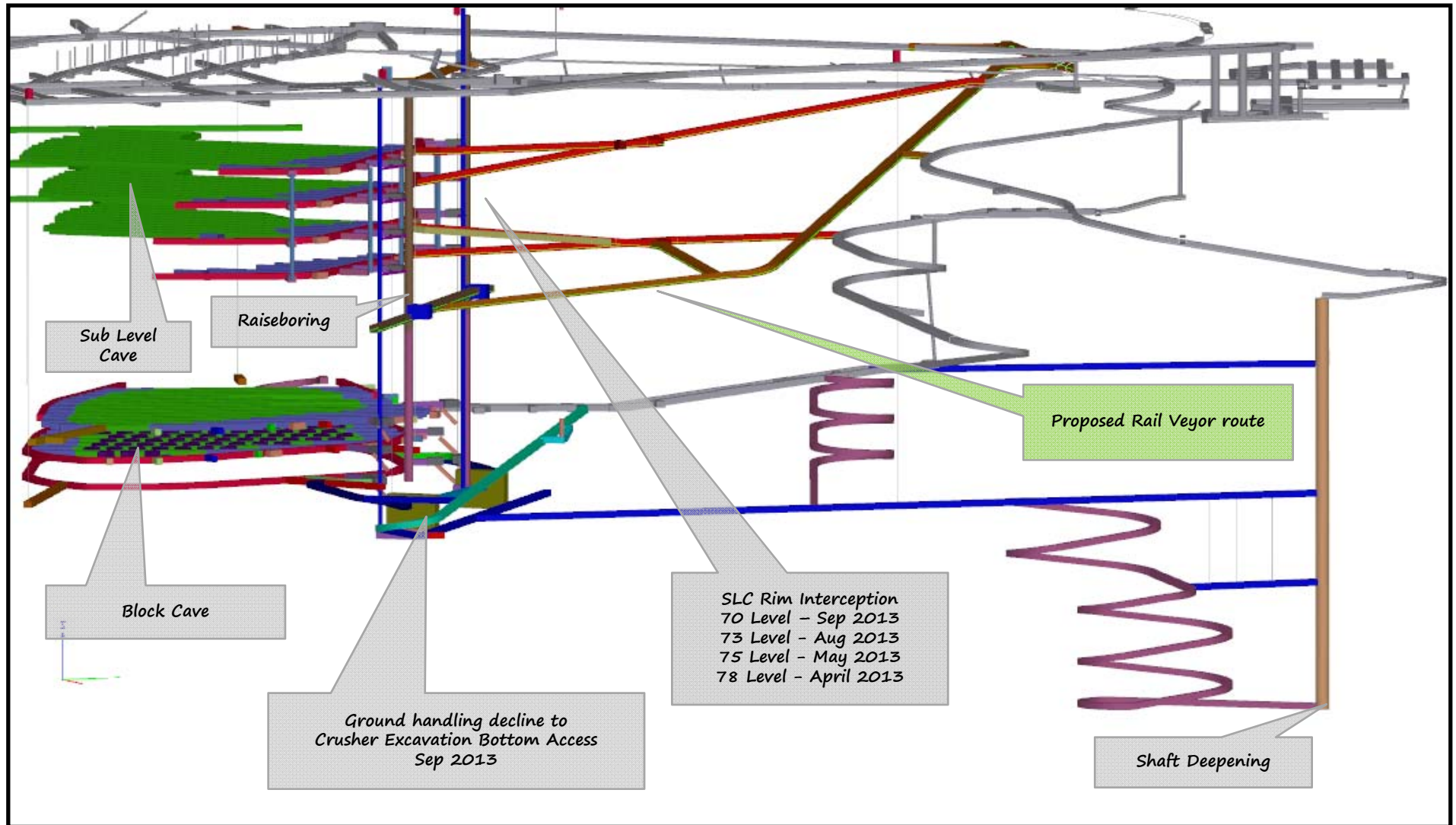
Kimberlite Footprint @880m Level:
Main pipe: 3.7ha
Precursors: 1.5ha

1,000m base of Resource
 (open ended at depth)

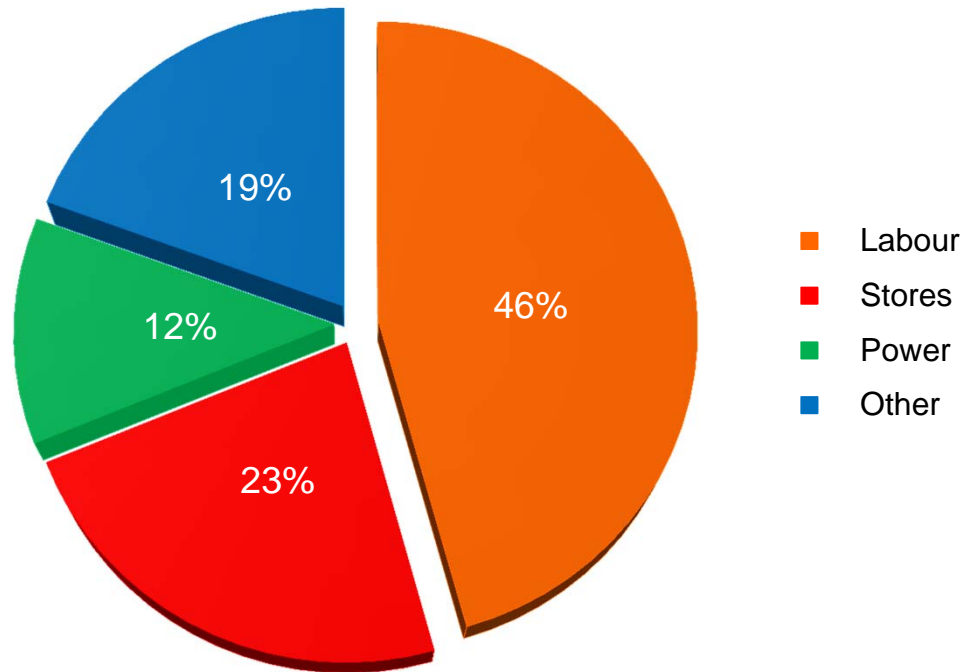
Current Infrastructure

Planned Infrastructure

Expansion Plan – Underground Overview



Cost Make-up And Challenges



- Manage rising energy costs through effective design, maintenance and management of new and old infrastructure
- Designs to cater for appropriate levels of automation
- Advancement of Group procurement strategy to yield benefits related to economies of scale

OPEX for Finsch estimated to be R130 / total tonne treated

H1 FY 2013 Trading Update Results



	Unit	H1 FY 2013	H1 FY 2012 ¹	Variance	FY 2012
Sales					
Revenue	US\$M	65.9	28.3	+133%	136.9
Diamonds sold	Carats	540,728	219,408	+146%	989,101
Average price per carat	US\$	122	129	-5%	138
ROM Production					
Tonnes treated	Tonnes	1,387,067	790,715	+75%	2,260,842
Diamonds produced	Carats	434,726	305,215	+42%	832,396
Grade	Cpht	31.3	38.6	-19%	36.8
Tailings Production					
Tonnes treated	Tonnes	1,247,190	642,090	+94%	1,600,170
Diamonds produced	Carats	207,928	109,348	+90%	272,222
Grade	Cpht	16.7	17.0	-2%	17.0
Total Production					
Tonnes treated	Tonnes	2,634,257	1,432,805	+84%	3,861,012
Diamonds produced	Carats	642,654	414,563	+55%	1,104,618
Capex					
Expansion Capex	US\$M	14.8	0.7	n/a	8.7
Sustaining Capex	US\$M	6.0	0.7	n/a	3.3
Total Capex	US\$M	20.8	1.4	n/a	12.0

¹ The acquisition of Finsch completed on 14 September 2011, therefore results for H1 FY 2012 relate to 3½ months to 31 December 2011

PLANT OVERVIEW

Plant Infrastructure

- Original plant built – 1964
- First upgrade completed – 1980
- Underground operation commence – 1990
- Introduce Pre-79 dump retreatment – 2003
- Full contops since 2005 @ capacity of 5.7 Mtpa
- Finsch Mine Treatment Plant Upgrade – predominantly the Fines Section – Mar 2003 to August 2008
- Total project cost: R630 million (~US\$100 million)
- Nameplate capacity: 7.2 Mtpa (3.8 Mtpa ROM; 3.4 Mtpa tailings)

Pre upgrade:



Post upgrade:



Plant Overview



Ore Reception

Ore Preparation

Concentration

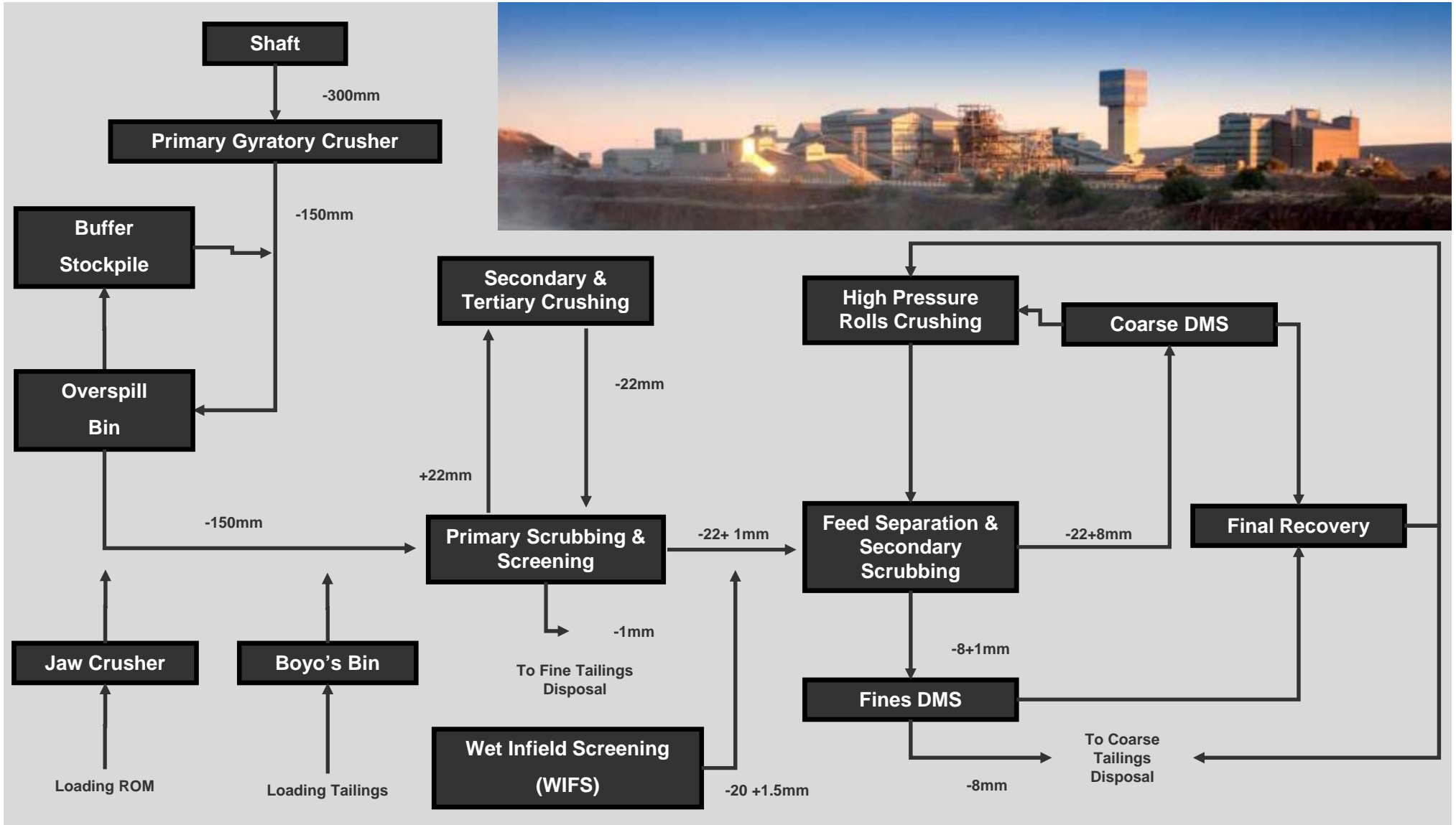
Mine Residue Disposal

Recovery

WIFS



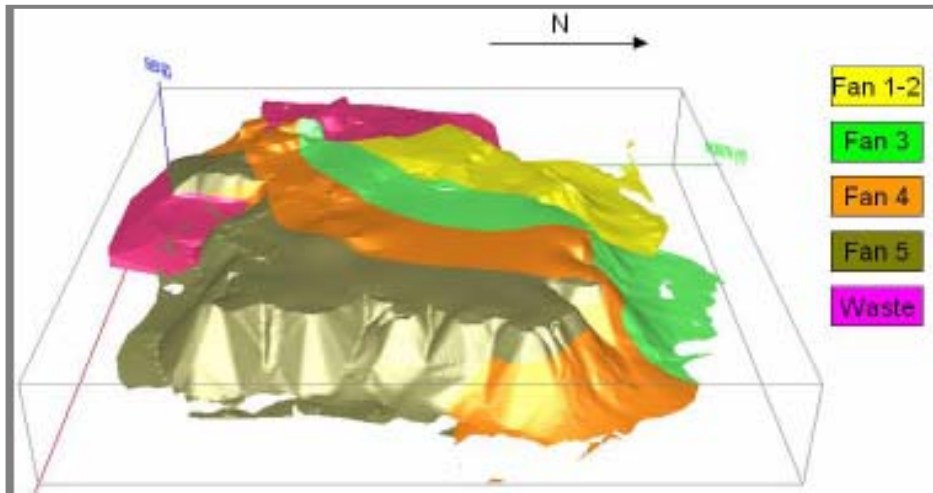
Simplified Process Flow



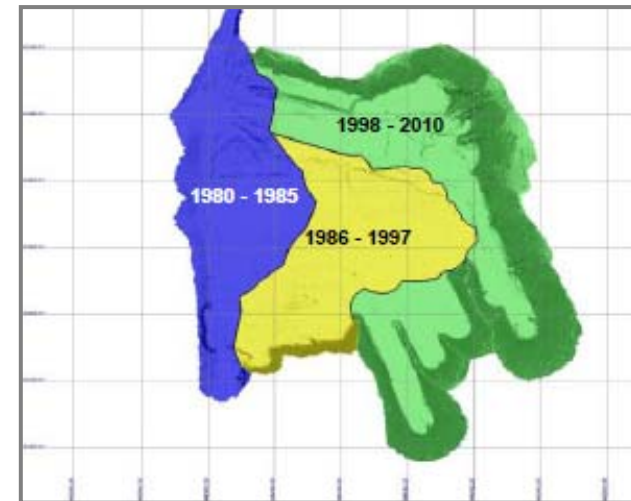
Tailings

- Throughput of ca. 2.8 Mtpa in FY 2013, ramping up to 3.5 Mtpa by FY 2014
- Phase 1: Treat Pre-1979 Tailings (ca. 18 cpht) until depleted in FY 2015
- Phase 2: Treat Post-1979 Tailings (ca. 10 cpht)
- Tailings production expected to cease in FY 2020

Pre-1979 Tailings



Post-1979 Tailings



Finsch – Special Recoveries



204.7cts (2003)

- Regular production of large, special diamonds & fancy colours
- Selection of specials recovered by Petra (except 204.7ct to left)



2 classic models of 6-7.5cts (2012)



88cts (Oct 2011)



52.2cts (Dec 2011)



57.4cts (Jan 2012)



32.1cts (Feb 2012)



52.3cts (May 2012)



2.9cts (Jun 2012)



93.8cts (Jun 2012)



102.6cts (Aug 2012)

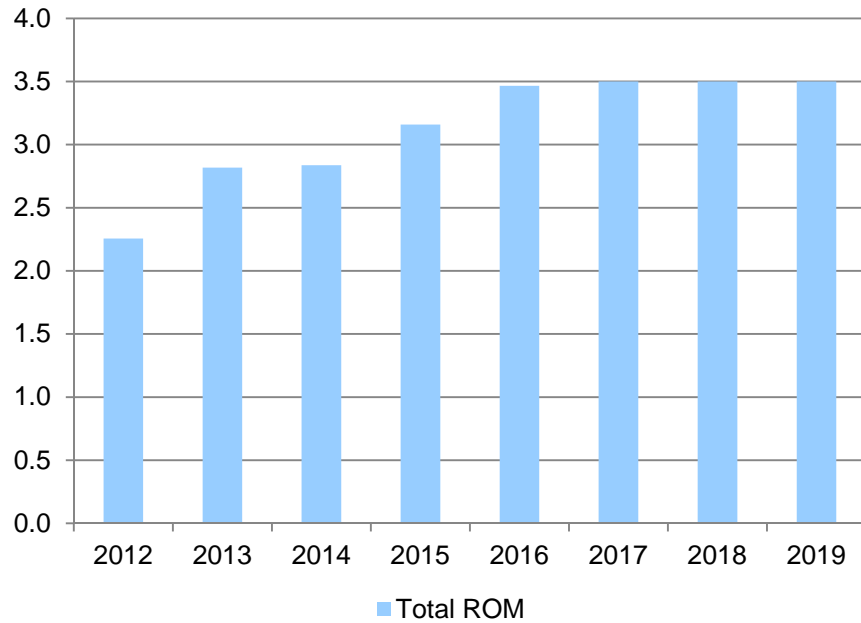


51.2cts (Aug 2012)

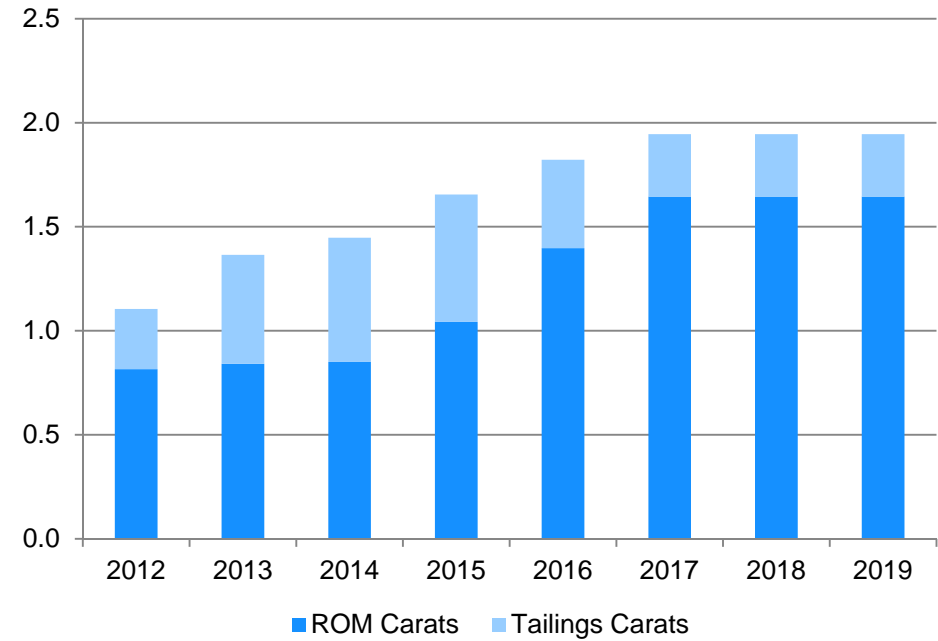
Production Plan

Taking production to 1.9 million carats by FY 2017

ROM Tonnes (Mt)

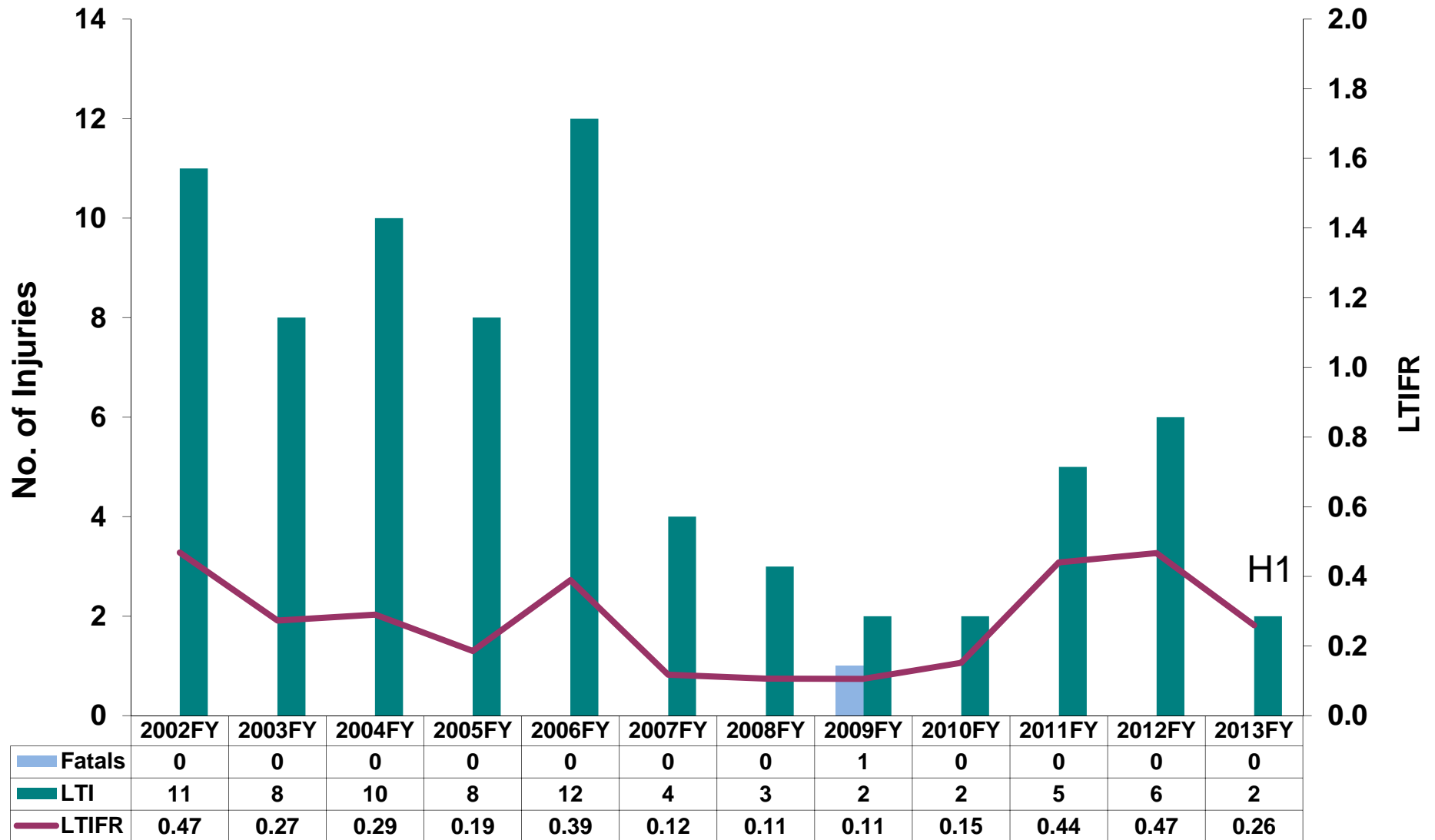


Carats (Mcts)



SUSTAINABILITY

Safety, Health And Environmental



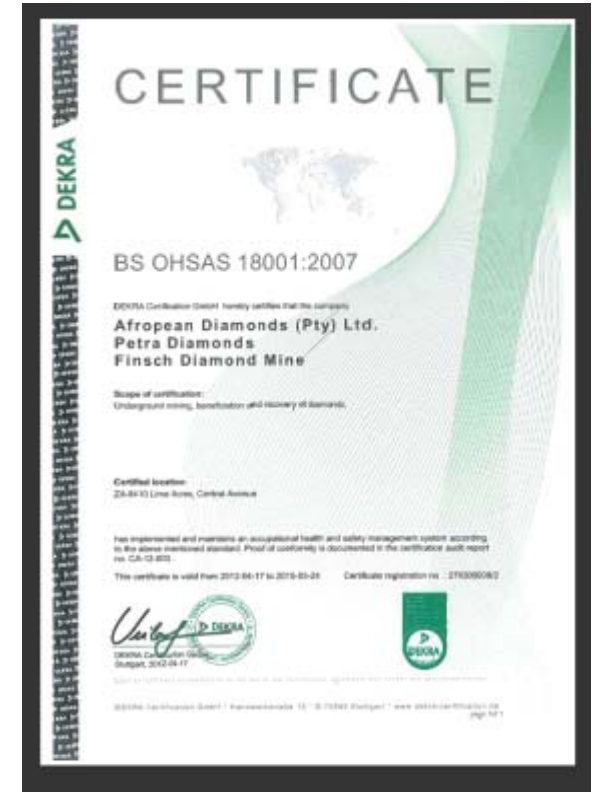
Safety, Health And Environmental



Achieved
1,000,000 Fatality Free Shifts
(25 June 2012)



ISO14001:2004
re-certification



OHSAS18001:2007
re-certification

Corporate Social Investment (CSI)



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- Finsch Diamond Mine plays an active and supportive role in the local community
- The mine contributes to a wide number of community projects – below are just a few examples:
 1. Social labour plan projects
 - Replacement of water supply pipes
 - Upgrade of electrical infrastructure
 2. Danielskuil Field Band
 3. Local area committee projects
 - Disability centers
 - Early childhood development
 - Local sports tournaments
 4. Education
 - Transport assistance
 - Rally to Read
 - Teaching assistance for local schools
 5. Kgatelopele Small Business Hub
 6. Human Resource Development



Conclusion

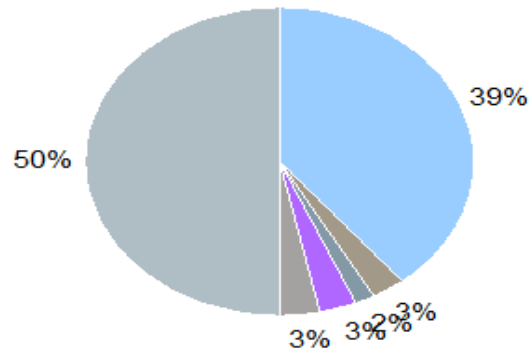
- A major producer with a sustainable future
 - Initial mine plan of 18 years, but orebody is open ended
- State-of-the-art, modern mining infrastructure
 - Shaft capacity 4.6 mtpa
 - Plant capacity 7.2 mtpa
- Margins to increase significantly once expansion plan accesses undiluted ore
 - Grade to rise ca. 50% to ca. 47 cpht once all ore drawn from Block 5
- Capex of R2.8 billion (~US\$320 million) fully financed
 - Combination of treasury, cashflow and debt facilities

Ensuring a long-term future for Finsch

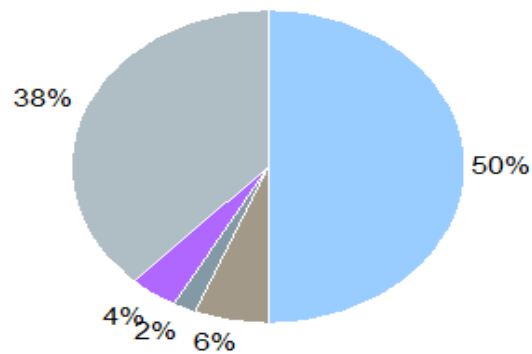
Finsch Contribution To Petra Group

Gross Production

FY 2012: 2.2 million carats

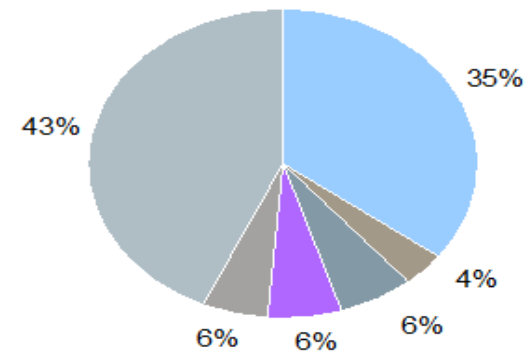


FY 2019: c.5 million carats⁽¹⁾

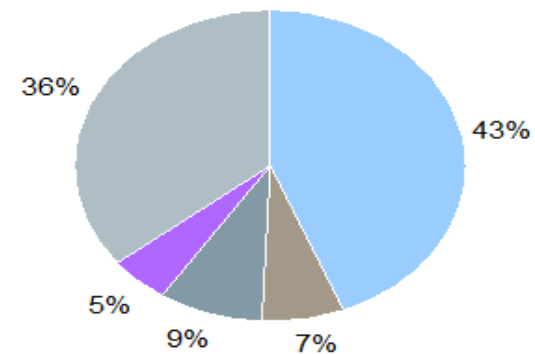


Gross Revenue

FY 2012: US\$316.9 million



FY 2019: c.US\$1 billion⁽¹⁾



(1) FY 2019 figures are management estimates calculated using a 4% real price increase

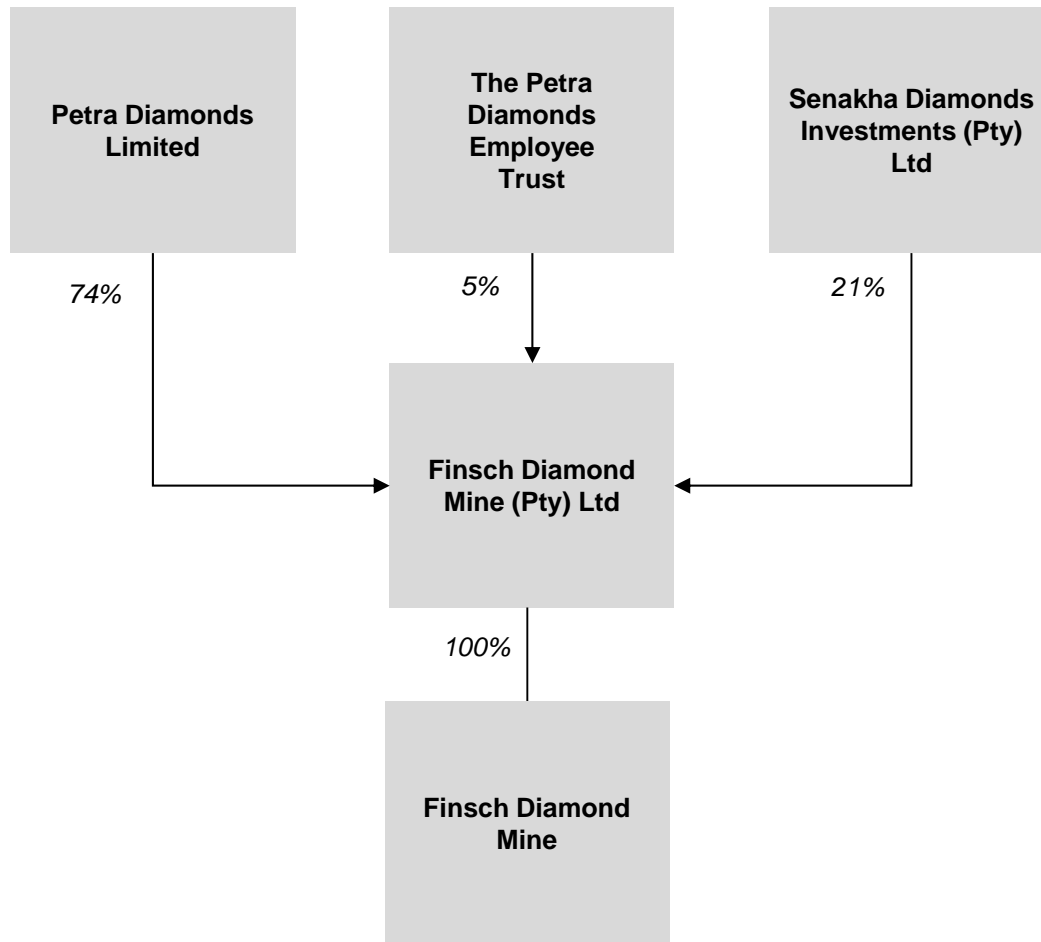


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Appendix

Finsch BEE Structure



- Petra has strong relationships with its BEE partners
- Senakha Diamonds is a consortium comprising:
 - Sedibeng Mining (Pty) Ltd
 - Lexshell 844 Investments (Pty) Ltd
 - Namoise Mining (Pty) Ltd (women’s group)
- Petra Diamonds Employee Trust represents all Petra SA employees (incl. all HDSAs)
- Petra loaned BEE share of Finsch acquisition consideration (R370.5m for 26%), with interest at commercial rates
- Loans repaid from mine cashflow after Capex, giving Petra 100% of cashflow until loans repaid

Resource Statement (as at 30 June 2012)

Category	Gross			Net attributable		
	Tonnes (millions)	Grade (cpht)	Contained Diamonds (Mcts)	Tonnes (millions)	Grade (cpht)	Contained Diamonds (Mcts)
Reserves						
Proved	-	-	-	-	-	-
Probable	56.763	42.16	23.930	42.005	42.16	17.708
Sub-total	56.763	42.16	23.930	42.005	42.16	17.708
Resources						
Measured						
Indicated	50.827	49.37	25.095	37.612	49.37	18.570
Inferred	41.314	41.65	17.206	30.572	41.65	12.732
Total Resources inclusive of Reserves	92.141	45.91	42.301	68.184	45.91	31.303

- Resource bottom cut-off: 1.5mm
- Reserve bottom cut-off: 1.5mm
- Resource tonnes and grade are based on block cave depletion modelling and include external waste
- Reserves and Resources reported in accordance with SAMREC
- Compiled internally under the guidance and supervision of Jim Davidson, Pr. Sci. Nat. (reg. No.400031/06) – over 30 yrs experience in diamond mining industry; independently reviewed and verified by John Kilham, Pr. Sci. Nat. (reg. No. 400018/07), a competent person with 32 yrs experience in diamond mining industry

Group Capex Profile

Financial Year		2013	2014	2015	2016	2017	2018	2019
Operation								
Finsch	ROM tonnes treated	2.8	2.8	3.2	3.5	3.5	3.5	3.5
	Tailings tonnes treated	2.8	3.5	3.5	3.5	3.0	3.0	3.0
	Expansion Capex (ZARm)	449.8	665.7	377.8	221.9	321.1	168.2	93.0
	Sustaining Capex (ZARm)	93.6	78.7	71.7	71.0	68.7	67.5	83.0
Cullinan	ROM tonnes treated	2.7	2.8	2.9	2.9	2.9	3.1	4.0
	Tailings tonnes treated	2.7	3.0	4.0	4.0	4.0	4.0	4.0
	Expansion Capex (ZARm)	671.1	556.2	391.1	153.9	141.3	141.3	141.3
	Sustaining Capex (ZARm)	68.2	67.8	44.7	49.9	53.3	53.8	56.5
Koffiefontein	ROM tonnes treated	0.3	0.5	1.0	1.0	1.0	1.2	1.2
	Tailings tonnes treated	1.5	1.2	0.7	0.8	0.8	0.5	0.5
	Expansion Capex (ZARm)	107.3	82.6	49.9	40.2	-	-	-
	Sustaining Capex (ZARm)	32.0	37.6	21.1	22.0	21.8	12.2	12.1
Kimberley U/G	ROM tonnes treated	1.1	1.0	1.0	1.0	1.0	1.0	1.0
	Expansion Capex (ZARm)	48.7	19.9	26.9	-	-	-	-
	Sustaining Capex (ZARm)	33.7	22.0	21.4	21.3	11.1	11.0	10.8
PETRA (SA Operations)	Expansion Capex (ZARm)	1 276.9	1 324.4	845.7	416.0	462.3	309.5	234.3
	Sustaining Capex (ZARm)	227.6	206.2	158.9	164.2	154.9	144.6	162.4
Williamson (Tanzania)	ROM tonnes treated	2.5	3.3	3.6	3.6	4.0	4.0	4.0
	Alluvial tonnes treated	0.5	-	-	-	-	-	-
	Expansion Capex (USDm)	8.6	-	-	-	-	-	-
	Sustaining Capex (USDm)	2.8	3.5	3.7	3.9	4.1	4.2	4.4
PETRA (All operations)	Total ROM tonnes treated	9.4	10.3	11.6	12.0	12.5	12.8	13.7
	Total tailings/other tonnes treated	7.5	7.7	8.2	8.3	7.8	7.5	7.5
	Total tonnes treated	16.9	18.1	19.8	20.3	20.2	20.3	21.2

Notes

¹ All tonnes shown above are expressed in millions

² All capex numbers above are stated in FY 2013 money terms

³ Capex above does not include any capitalised borrowing costs as per IAS 23

Diamond Recovery

- Hardness (Liberation)
 - Diamond - Mohs Scale = 10, Tensile Strength = 2400 Mpa
 - Kimberlite - Mohs Scale = 6, Tensile Strength = 10 Mpa
- Density (Dense medium separation)
- Diamond - S.G. = 3.52
- Kimberlite - S.G. = 2.65
- Hydrophobic & Oleophilic (Grease recovery)
- Colour (transparent – Optical sorting)
- Shape (shape sorting)
- Non-Magnetic (magnetic separation)
- Fluorescence (X-Ray recovery)





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Thank You