



**A**NVIL MINING LIMITED



**Anvil Expanding in the  
Congo (DRC) Copperbelt**

Presented by  
**Bill Turner**

**Excellence in Mining Conference**

8-10 October 2006  
Sydney



# Disclaimer

- This presentation contains historical and forward-looking statements. The forward-looking statements involve risks and uncertainties particularly with respect to reserves and resources, development and expansion plans, production levels, production costs, political events and operational capabilities. Forward looking statements appearing in this presentation represent management's current estimates and these may change significantly as new information comes to hand.
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# Corporate Information

Stock Exchange Listings (TSX, ASX)	Symbol “AVM”
Issued Common Shares (TSX)	56.0 mill.*
Fully Diluted (TSX)	58.4 mill.*
Institutional Ownership	60%
Management	3%
52 week range on TSX (to Sept 1, 2006)	C\$4.20 – C\$9.97
Average weekly volume (TSX)	1,000,000
Market Capitalisation (issued)	C\$520 mill.

*\* All amounts are expressed in US\$ unless otherwise indicated.*

*\* One Common Share on TSX equivalent to 10 cdis on ASX.*



## Directors

- **John Sabine** Chairman (non-exec)
- **Bill Turner** President and CEO
- **Peter Bradford** Director (non-exec)
- **Thomas Dawson** Director (non-exec)
- **Gordon Chambers** Director (non-exec)

## Management

- **Bill Turner** President and CEO
- **Craig Munro** Vice President – Corporate and Finance
- **Malcolm Hillbeck** Vice President – Operations
- **Mike O’Sullivan** Vice President – Development
- **Nick Franey** Vice President – Exploration
- **Robert LaVallière** Vice President – Investor Relations
- **Lui Evangelista** Financial Controller & Corporate Secretary

# DRC Projects Location Map



# Corporate Structure of AVM



Community  
Development  
Programs

Anvil Mining Limited

10%

90%

70%

80%

70%

Dikulushi  
Mine

In Production  
Since Oct 2002

Kulu  
Mine

In Production  
Since Dec 2005

Kinsevere  
Project

Under Construction  
Commissioning in  
Mar 2007

Mutoshi Cu-Co  
Projects

Exploration

# Profit and Loss Statement

## 2003-2005

DESCRIPTION	CALENDAR YEAR		
	2003	2004	2005
<b>US\$ MILLIONS</b>			
<b>Revenue</b> (net after TC/RCs & transport)	22.4	31.7	61.9
<b>Operating Profit</b> (after D&A)	5.6	9.6	18.8
<b>Net Earnings</b> (after tax and minority interests)	2.6	4.2	7.5
<b>AS PERCENTAGES</b>			
<b>Gross Margin %</b> (operating profit after D&A / sales revenue)	24.8	30.3	30.4
<b>EBIT Margin %</b> (EBIT / sales revenue)	20.6	22.5	22.5
<b>Profit Margin %</b> (net earnings before tax & minority interests/sales revenue)	13.6	14.7	14.7

# Profit and Loss Statement

## YTD 2006

DESCRIPTION	CALENDAR YEAR 2006		
	Mar Qtr	Jun Qtr	Half Year
<b>US\$ MILLIONS</b>			
<b>Revenue</b> (net after TC/RCs & transport)	33.2	43.0	76.2
<b>Operating Profit</b> (after D&A)	15.6	27.7	43.2
<b>Net Earnings</b> (after tax & minority interests)	8.3	22.5	30.7
<b>AS PERCENTAGES</b>			
<b>Gross Margin %</b> (operating profit after D&A / sales revenue)	46.9	64.4	56.8
<b>EBIT Margin %</b> (EBIT / sales revenue)	40.9	62.2	52.9
<b>Profit Margin %</b> (net earnings before tax & minority interests/sales revenue)	29.2	61.8	47.6

# Dikulushi and Lumekete Primary Schools

## Community Development Projects



Lumekete School - 2006



Dikulushi School - 2005

# Dikulushi-Kilwa-Nchelenge

## Infrastructure and Community Programs



Barge on Lake Moero - 2002



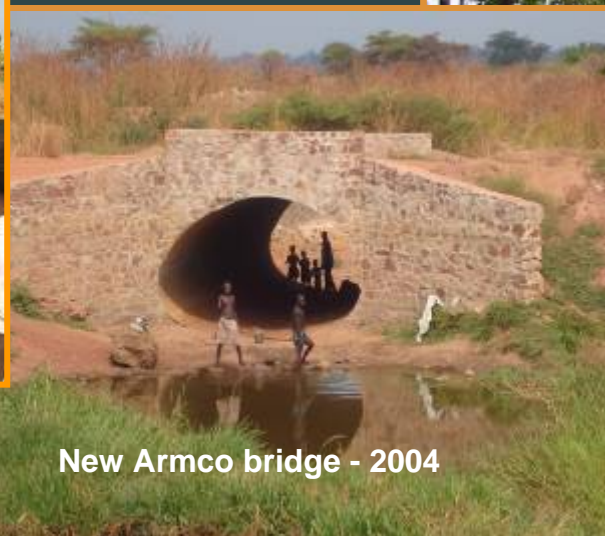
Hospital refurbishment - 2005



Lumekete School - 2006



Bore Water Pumps - 2006

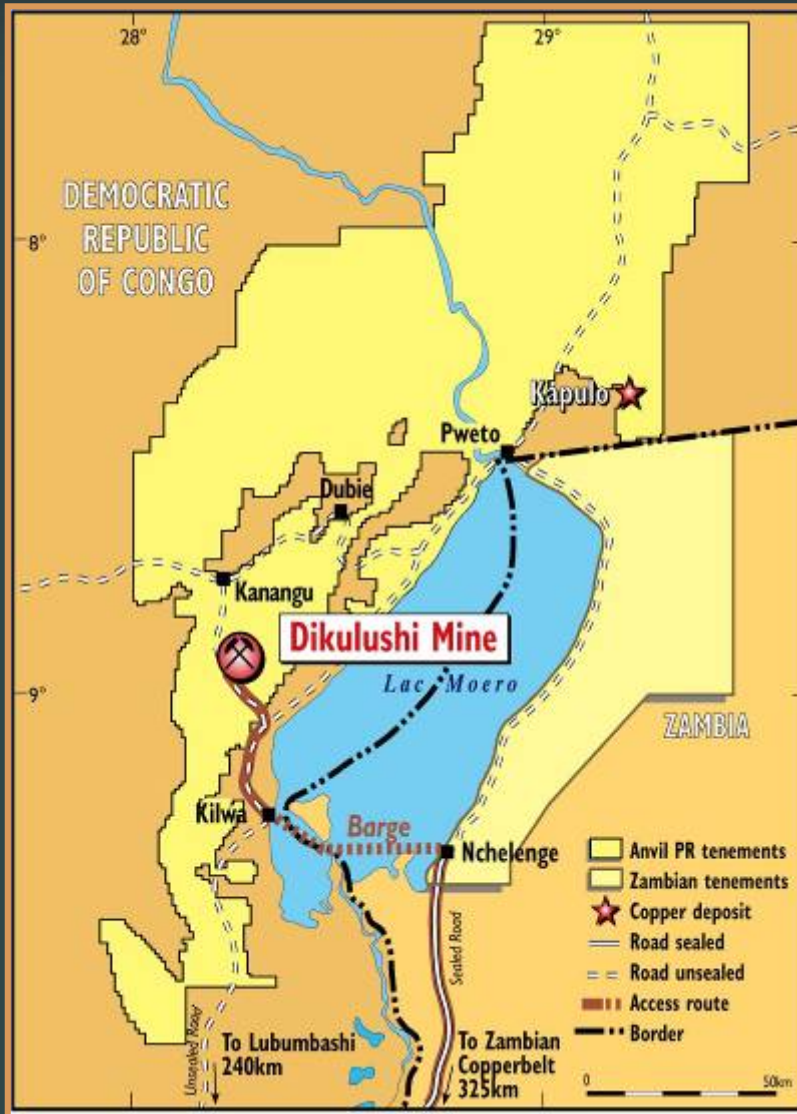


New Armco bridge - 2004



Road refurbishment - 2003

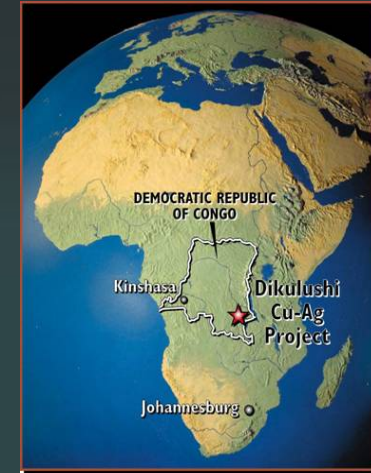
# Location of Dikulushi Mine and Exploration Properties



Dikulushi Barge

# Overview - Dikulushi Mine (90%), DRC

- High grade resource 7.2% Cu & 6.7ozs/t Ag,
- Mineral Resources,
  - Measured 59,500t at 7.0% Cu & 200 g/t Ag,
  - Indicated 684,000t at 9.2% Cu & 271 g/t Ag,
  - Inferred 406,000t at 8.4% Cu & 173 g/t Ag.
- Deep drilling (2004-05) to 300 metres vertical depth
  - 14.0 metres at 10.4% Cu & 300 g/t Ag at 141m vertical depth,
  - 9.2 metres at 11.9% Cu & 314 g/t Ag at 274m vertical depth,
  - 14.8 metres at 16.3% Cu & 355 g/t Ag at 299 vertical depth,
- Deep drilling (2006) program to 400 metres vertical depth,
- Orebody still open at depth.



# Dikulushi Mine (90%)

- In production as Stage I HMS operation since October 2002
- Plant upgraded to Stage II ball mill and flotation in October 2004
- Mine development Capex <\$17 million
- Production design 20,000t of Cu and 1.7 million ozs Ag/yr
- Concentrate grade 59% Cu and 1,700 g/t Ag
- Stage III underground development commenced Q2 2006



# Dikulushi Stage III Underground

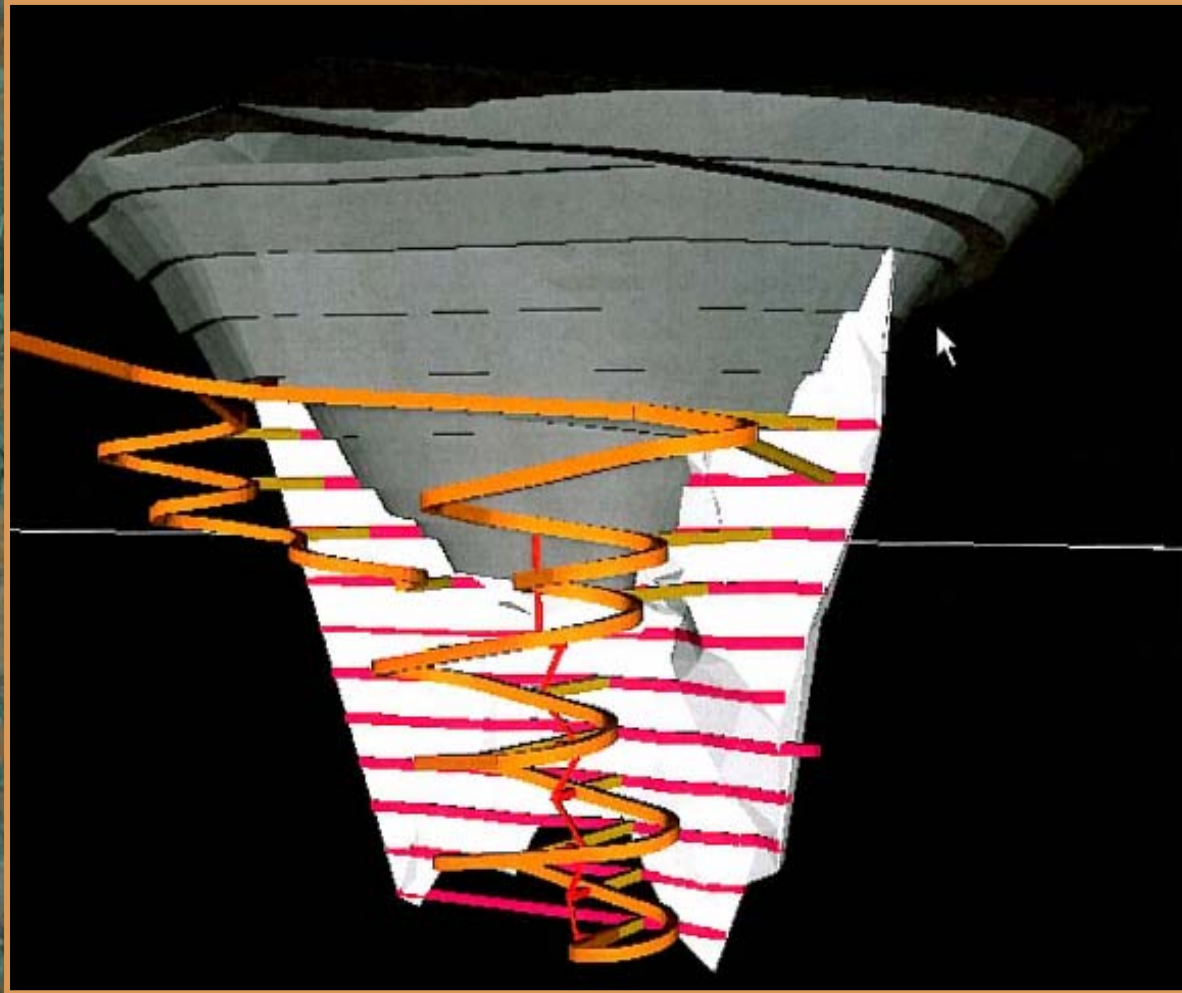
ANVIL MINING LIMITED

In Production Q3 2007

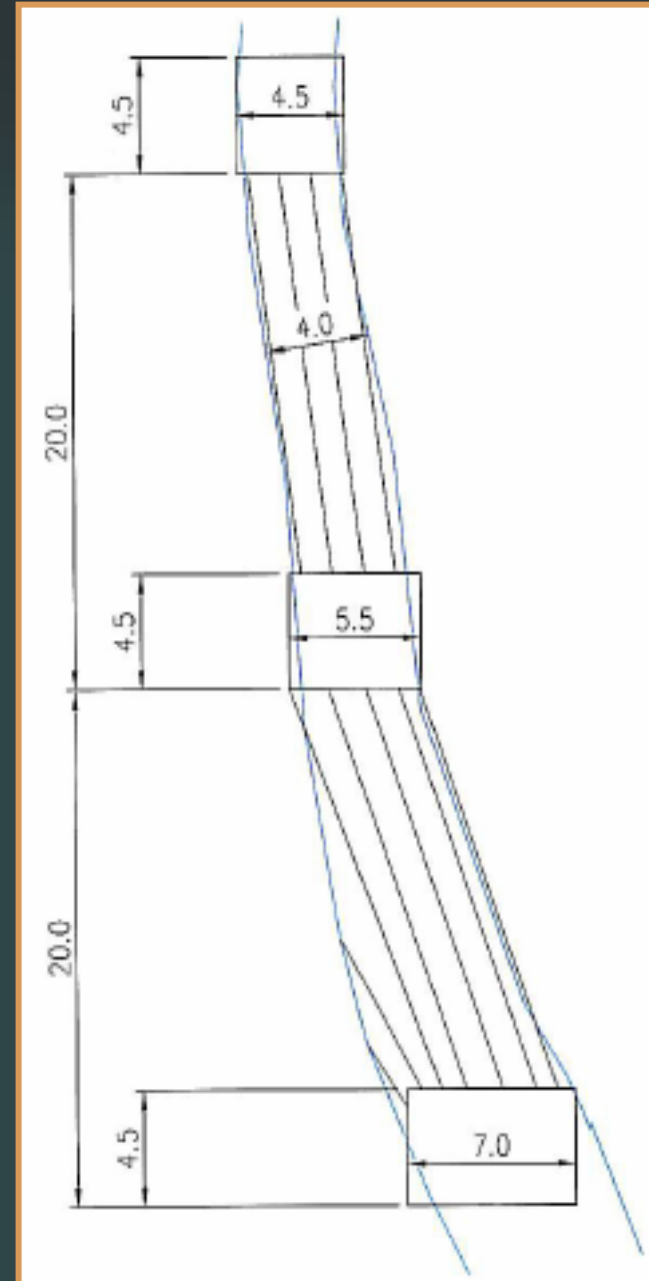


# Dikulushi Stage III Underground

## Schematic Mine Plan



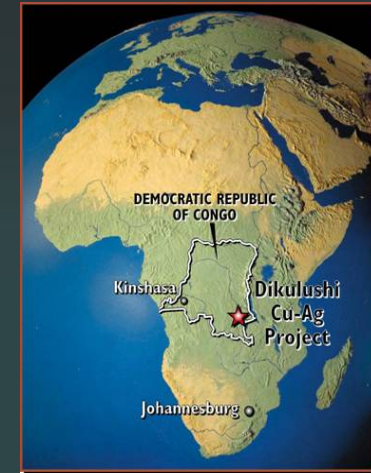
Cross Section: SLC 5-9m Width Layout  
Variable Width Drives 4.5 – 7.0m



# Political Risk Management

## World Bank

- MIGA PRI for Dikulushi mine finalised May 2005,
- \$13.3 million debt and equity,
- First mining project in DRC covered by MIGA,
- First mining project worldwide covered by MIGA following World Bank Extractive Industries Review (2001-2003).



## Pact Inc

- Washington-based NGO well-established in Katanga,
- Partner in design and implementation of social programs,
- Capacity building.

# New Projects

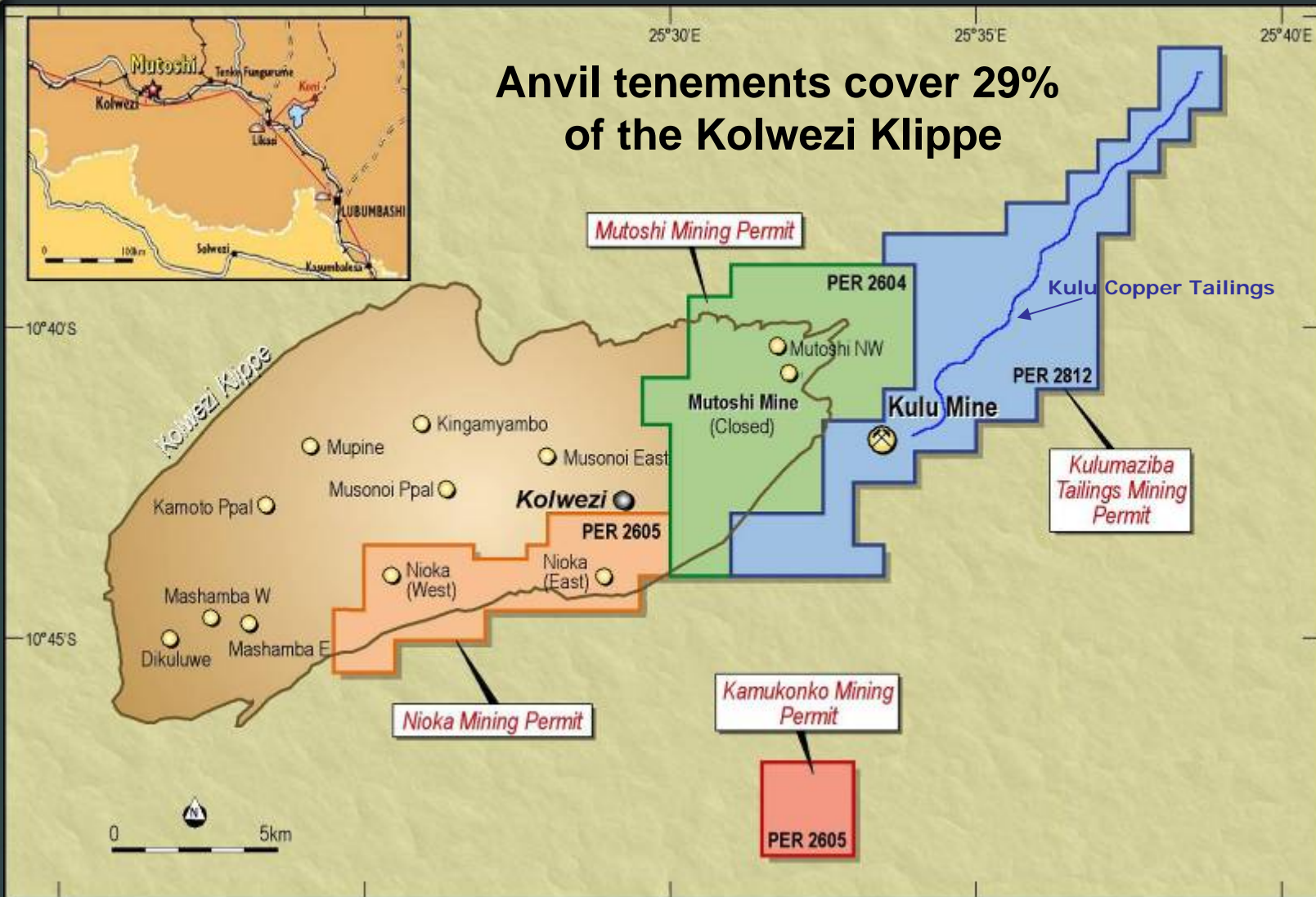
## Mutoshi Project Location Map



# Mutoshi Project Tenements



Anvil tenements cover 29% of the Kolwezi Klippe



# Kulu Mine (70%), DRC

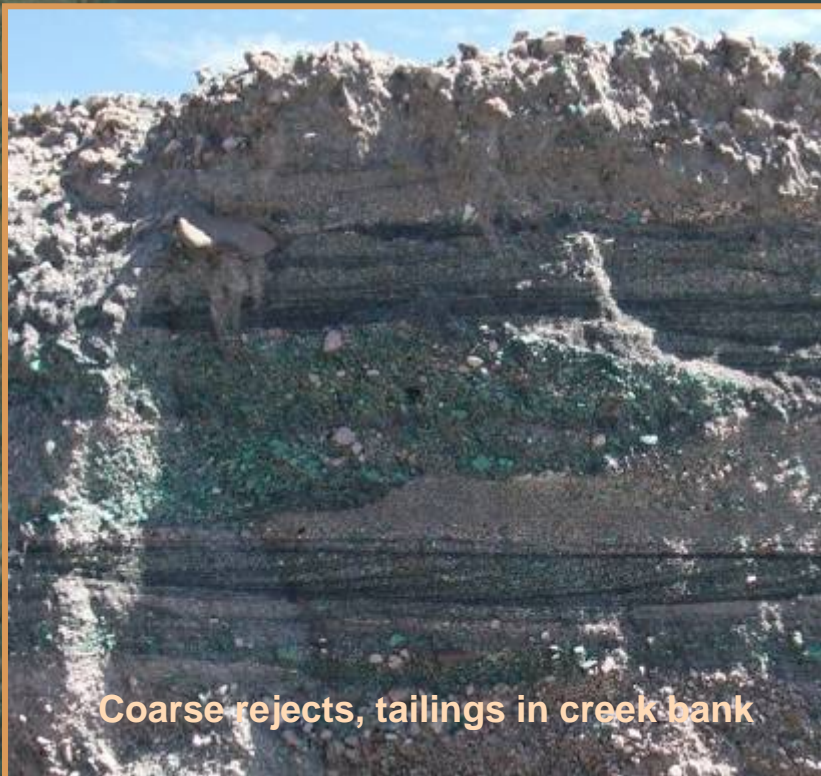
## Kulu Coarse Rejects Starter Project

- Coarse rejects deposit grading 4.4% Cu,
- Measured and Indicated Resource (est. 2005)
  - 4.3 Mt @ 4.4% Cu.
- Stage I Development (Dec 2005),
  - HMS plant (ex Dikulushi Mine),
  - First year head grade >6% copper,
  - No waste stripping and no drill & blast requirement,
  - Stage I Development Capex \$7.5 million (from cash flow).
- **Resource Evaluation & Stage I Mine Development - 13 mths,**
- Stage II Development (early 2007),
  - Upgrade with Electric-Arc Furnace to produce “Black Cu” (85-95%).



# Kulu Mine (70%)

- Resource of 255,000 tonnes of copper (M+I+I),
- Production of ~17,000 tpa Cu in 28.5% in oxide concentrate,
- Concentrate sold to local smelter in Kolwezi,
- Mine Life of 12 years.



# Kinsevere-Nambulwa Project

## Location Map



# Kinsevere Project (70%)

## Evaluation & Stage I Mine Development

- 2005 Drill program of 8,000m,
- Indicated & Inferred Resource 348,000 tonnes of copper,
- 2005 Discovery Cost <\$10/t of copper metal.
- Feasibility Study completed April 2006,
- Equity raising of \$128 million in March 2006,
- Commitment to \$35 million Stage I Development in May 2006.



# Kinsevere Stage I Development



Construction commenced  
May 2006

Commissioning  
March 2007



# Kinsevere Mine Development



## Stage I Development (under construction)

- Open pit mining,
- HMS processing at 500,000 tpa,
- Electric Arc Furnace (EAF) smelting of concentrate,
- Production of “black copper” ingots assaying 85-95% copper,
- Production rate 23-25,000 tpa Cu,
- Hydroelectric grid power connection for 60,000 tpa SXEW copper.

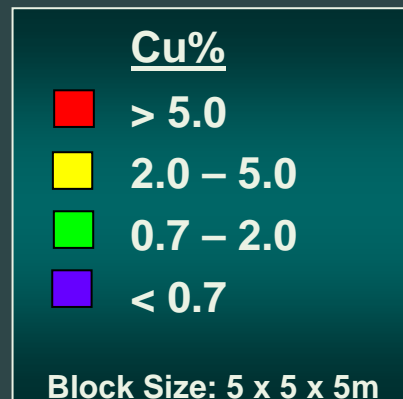
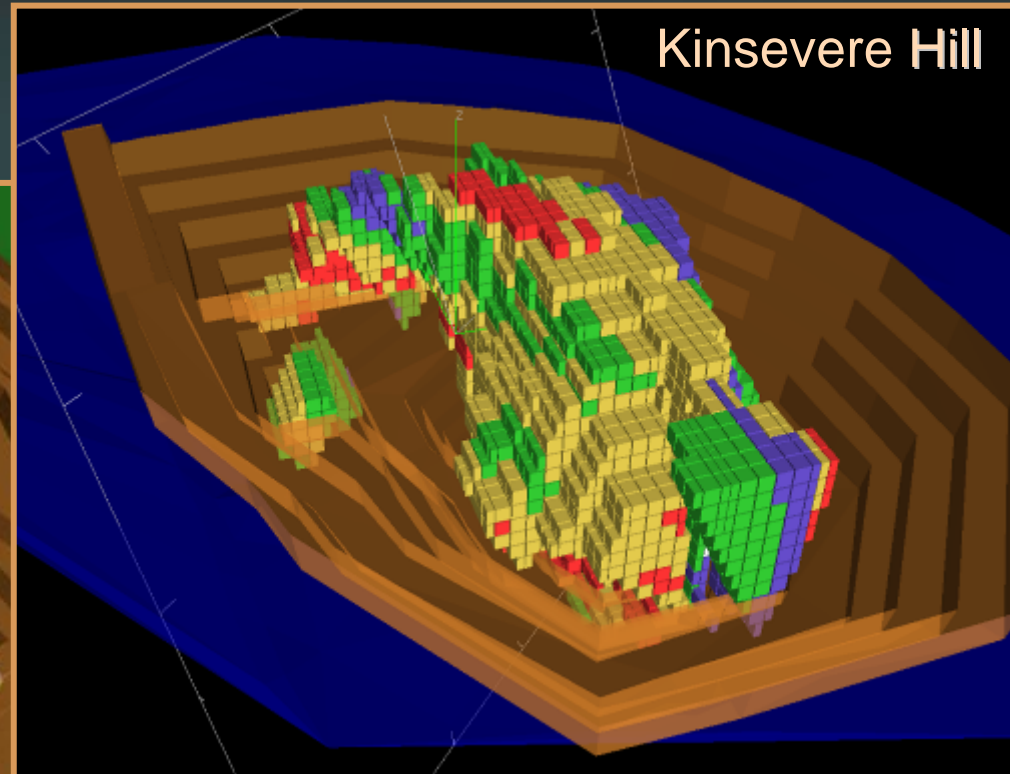
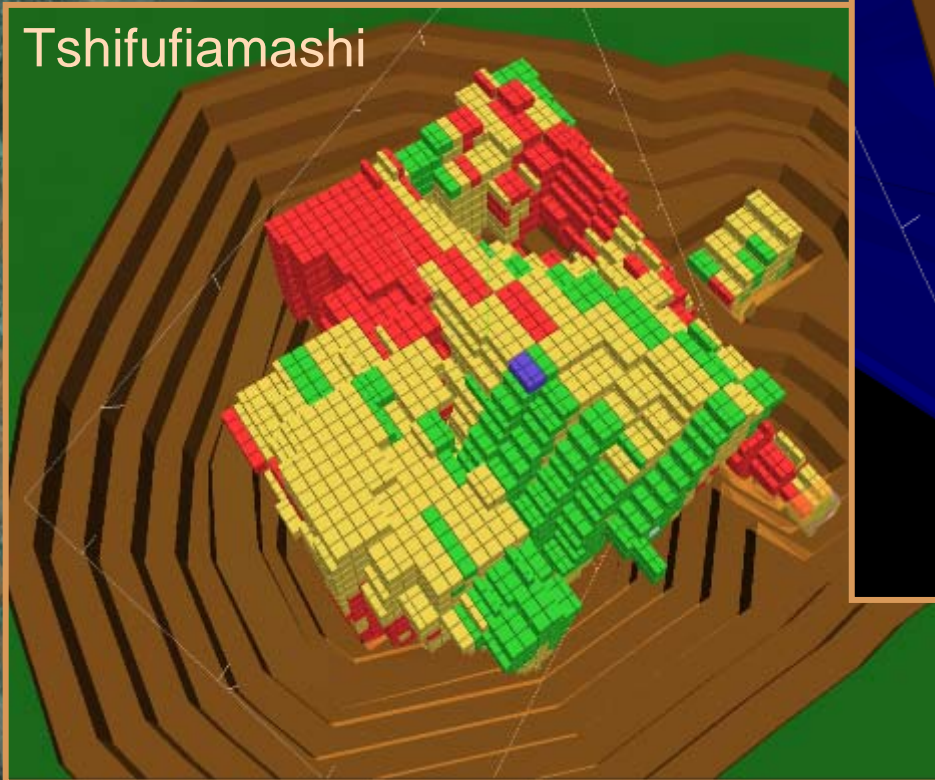
## Stage II Development (early 2007)

- Upgrading of HMS-EAF plant to SXEW plant,
- Initial production rate of 30,000 tpa of cathode copper,
- Anticipated Capex \$65-\$75 million,
- Anticipated commitment date Q2 2007.



# Orebody Block Models

- 2005 Drill evaluation program





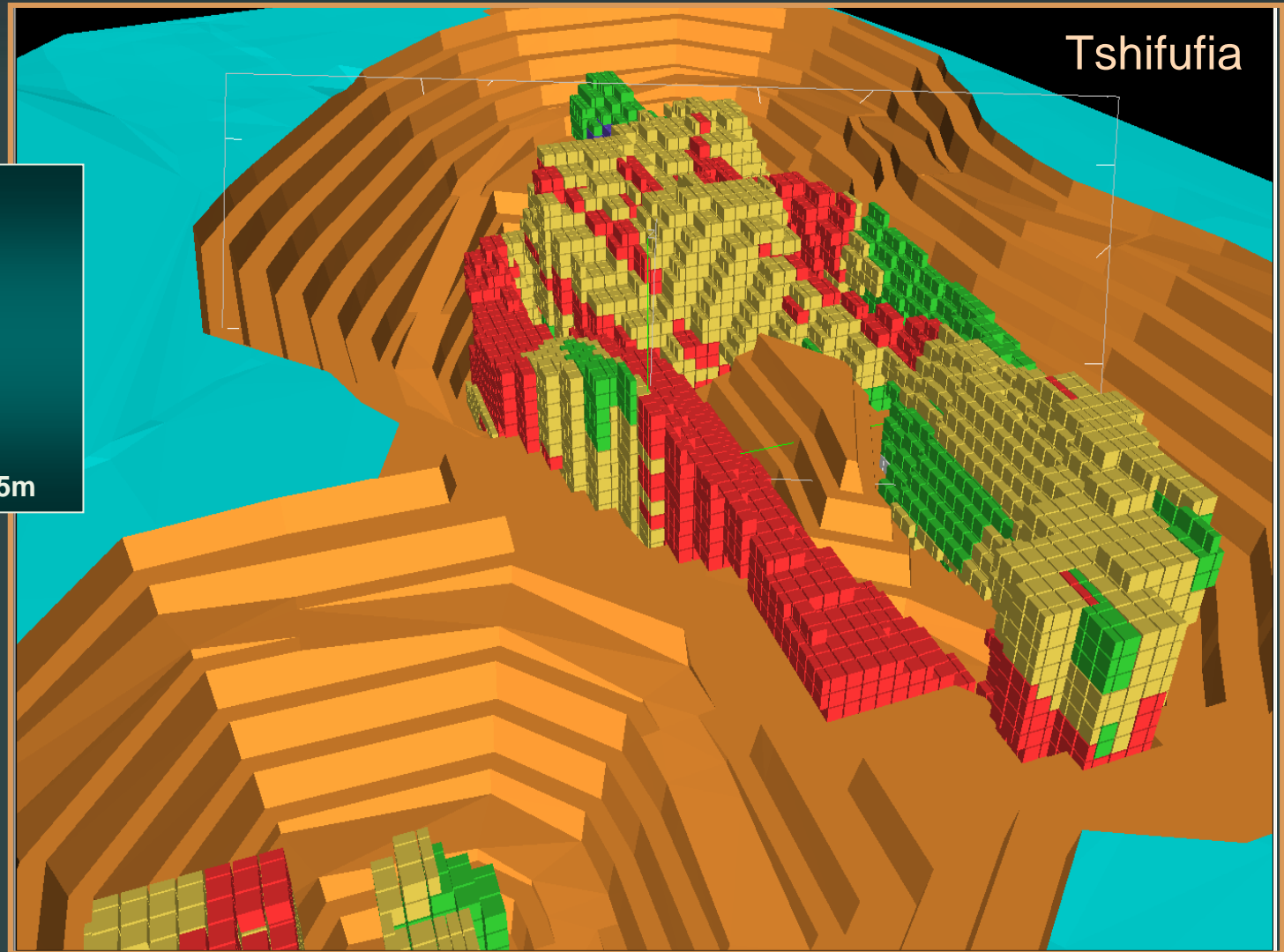
# Orebody Block Models

## - 2005 Drill evaluation program

**Cu%**

- > 5.0
- 2.0 – 5.0
- 0.7 – 2.0
- < 0.7

Block Size: 5 x 5 x 5m





## CY 2005 – Performance

- Record production:
  - 19,178 tonnes of copper,
  - 1.7 million ounces of silver.
- Record Revenues of \$61.8 million,
- Record Cash Flow (before w/c changes) of \$16.0 million (\$0.55 per share),
- Record Operating Profit of \$18.8 million,
- Record Net Earnings of \$7.5 million (\$0.26 per share).
- **Cash in Bank: \$7.9 million & Debt: \$10.6 million.**

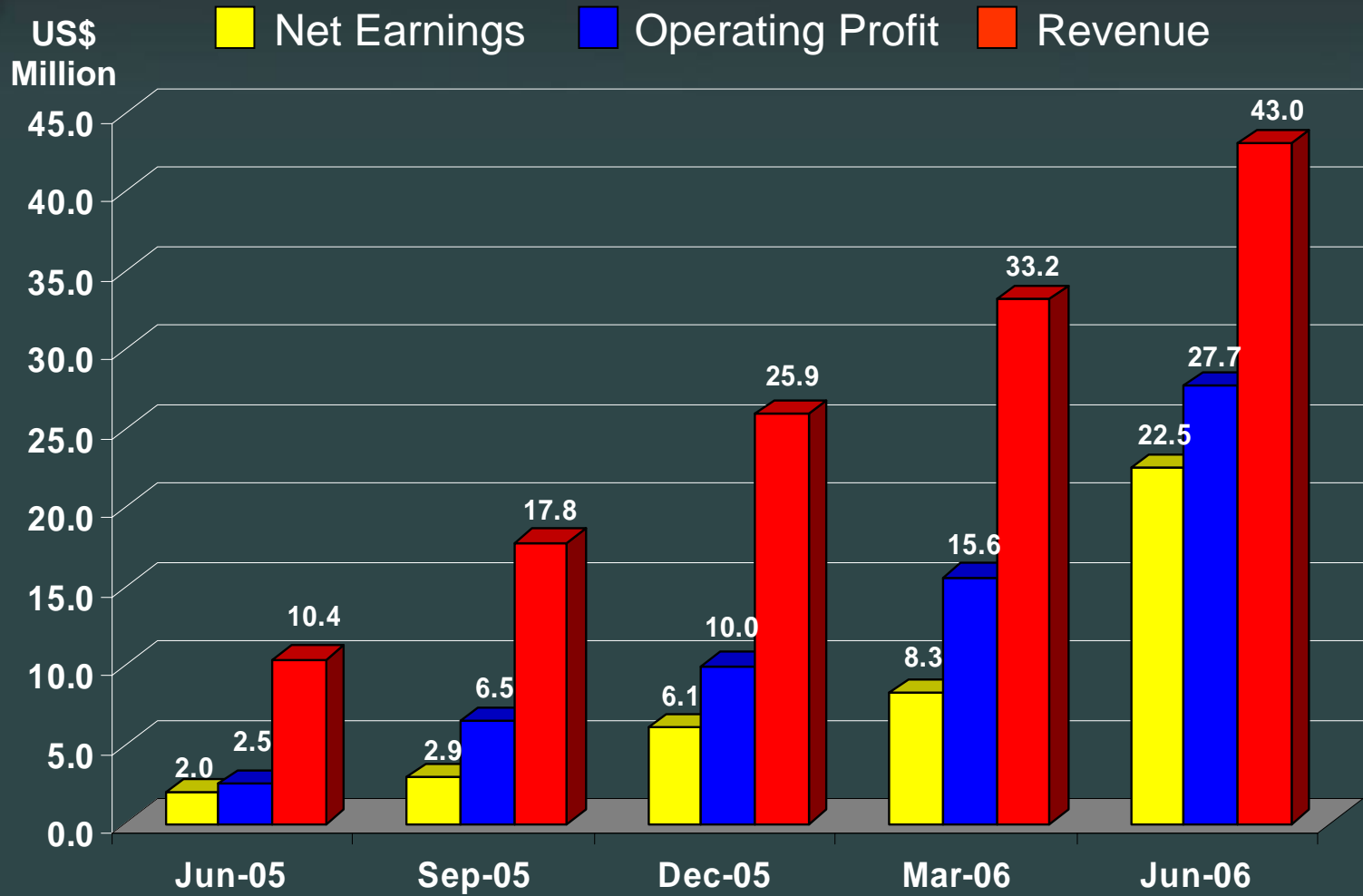


## HY 2006 Performance (6 months)

- Anvil's second mine in DRC exceeds design capacity,
- Record production for six months:
  - 19,235 tonnes of copper (42.4 million pounds) in concs
  - 1.06 million ounces of silver.
- Record Revenue of \$76.2 million (up 319%),
- Record Cash Flow (before w/c changes) of \$42.1 million (\$0.98 per share),
- Record Operating Profit (after D & A) - \$43.2 million (\$1.00 per share),
- Record Net Earnings of \$30.7 million (\$0.71 per share),
- **Fifth consecutive quarter (June Qtr) of growth in Revenues, Operating Profit & Net Earnings.**
- **Cash in Bank: \$133 million. Debt: Nil.**



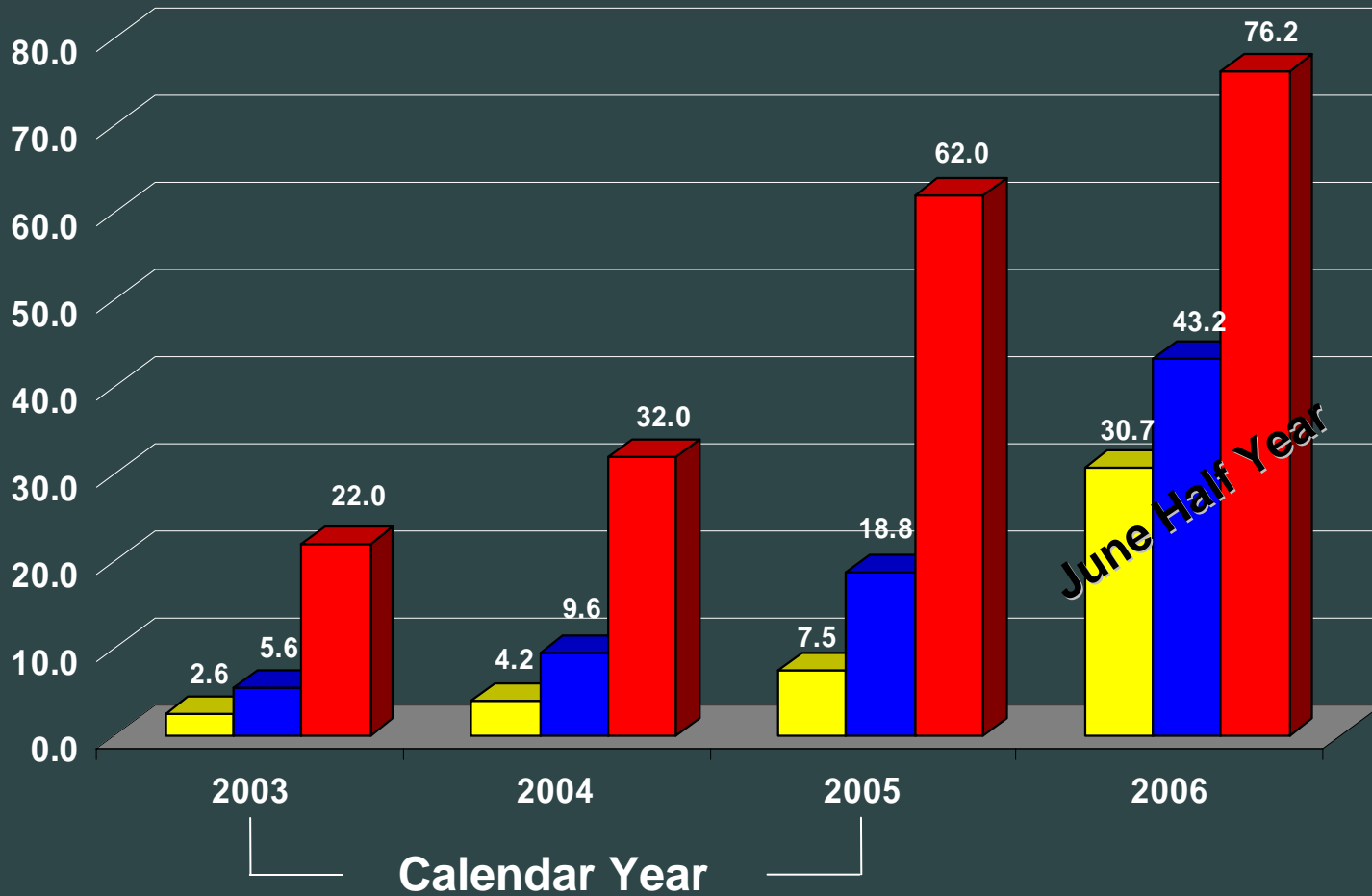
# Last 5 Qtr Financials



# Financial Performance

## US\$ millions

Net Earnings    Operating Profit    Revenue



# Dikulushi Mine – Highlights 2006

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**Producing at above  
design capacity of 20,000t Cu  
& 1.7 mill ozs Ag per annum**

**Mine gate cash costs  
\$0.38/lb Cu and total  
costs \$1.03/lb Cu  
(after silver credits)**

**Dikulushi Stage III  
U/g Mine Development  
commenced Q2 2006**

**Record Revenues &  
Record Operating Profit  
First Half 2006**

# Kulu Mine - Highlights

**Steady increase in production since commissioning in December 2005**

**On track to exceed production target of 16,500-17,000 tonnes of copper for 2006**

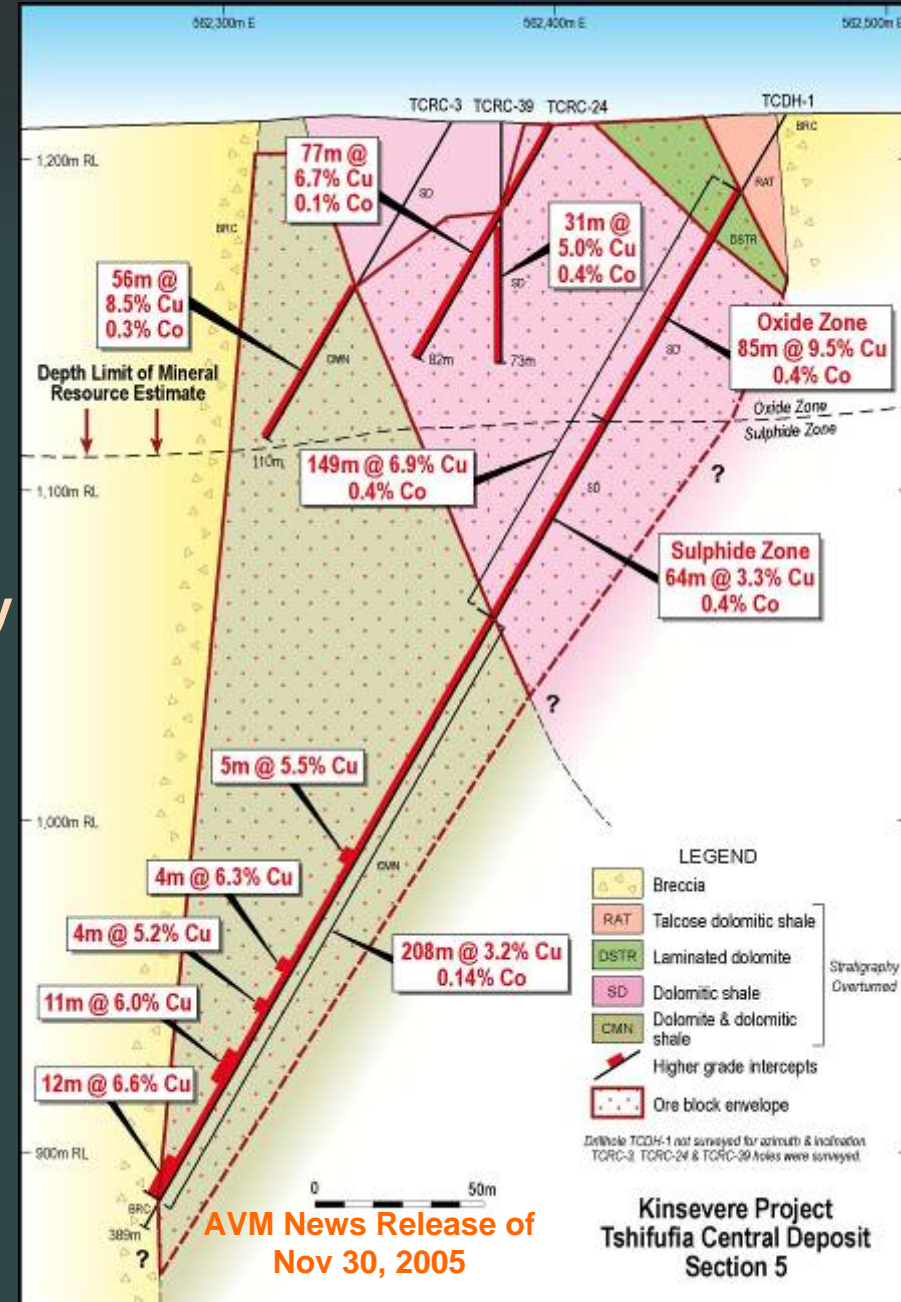


# Exploration Highlights



## Kinsevere Project

- Phase II drilling >14,000 m completed,
- Width of Tshifufia Third Orebody increased to west by more than 75 metres.





# Anvil Growth Objectives

- **Prove up resource potential for 15-20 year mine life at:**
  - **Kinsevere-Nambulwa Projects,**
  - **Mutoshi Project in Kolwezi Region.**
- **Complete Kinsevere Stage I Development by Q1 2007,**
- **Complete Kinsevere Stage II by 2008: 30,000 tpa of SXEW cathode copper production,**
- **Further expand new Cu operations to 45-60,000 tpa (cathode) at either Kinsevere or Mutoshi,**

**Take Anvil to mid-tier status of  
100,000 tpa by 2010 with current projects**



# Outlook for Copper

- **Strong global demand,**
- **Recent substantial increases in metal prices,**
- **Increasing demand from Asia, particularly China,**
- **Declining exploration & capital expenditure 1997-2004,**
- **Erosion of pipeline of development projects, and**
- **Constrained new sources of short-term supply.**

# Production Growth Profile



Tonnes of Contained Copper

