

## Mutoshi Project



### Overview

Anvil Mining has secured a major stake in one of the world's most important copper provinces. The Kolwezi Klippe – in the heart of the Central African Copperbelt – has been a major global copper supplier for almost 90 years. Production was brought to a standstill in the late 1990s by civil war. With the return of peace, Anvil – in partnership with the La Générale des Carrières et des Mines (Gécamines) and De Moura Enterprises – has been given the opportunity to lead a revival of the region's mining industry.

### The Tenements

Two of the mining leases – the Mutoshi Mining Lease (47.6 square kilometers (km<sup>2</sup>)) and Nioka Mining Lease (25.5km<sup>2</sup>) cover 29% of the Kolwezi Klippe – a major mining centre for most of the 20th century. Both leases cover extensive areas of under-explored, prospective Roan Mines Group rocks.

The Kulu Tailings Mining Lease covers an area of 57.8km<sup>2</sup> to the east and north-east of the abandoned Mutoshi Mine. In 27 years – from 1960 to 1987 – an estimated 5-7 million tonnes (Mt) of malachite-rich tailings were discharged from the mine washing plant and flowed into the Kulumazibia watercourse, up to 14km downstream.

The Kumakonko Mining Lease is 10km to the south-east of Kolwezi city and covers 7.6km<sup>2</sup> of Lower Roan Group rocks, occurring within a mineralized, regional thrust structure. High-grade (2%-4%) oxide cobalt minerals (heterogenite) occurs in the surface weathered zone.



Former Mutoshi open-pit mine

### The Kolwezi copper-cobalt province

Kolwezi – the principal mining and processing center in the Copperbelt throughout the 1970s and 1980s – is credited with 70% of Katangan copper production. There are several world-renowned deposits in the Klippe including Kamato, KOV, Mashamba, Musonoi, Kolwezi and Mutoshi.

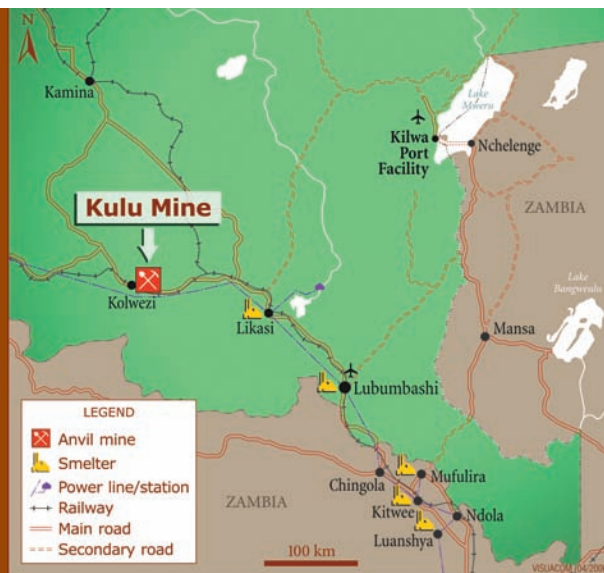
Estimates of the remaining copper reserves in the Kolwezi Klippe vary from 21Mt to 31Mt. In the past, the government-owned corporation Gécamines concentrated on exploration and mining in the centre of the klippe. As a result, the potential of mineralization in margins around the klippe remains largely unexplored.

**Ownership:** Anvil 70%, Gécamines 20% and De Moura Enterprises 10%

**Location:** Kolwezi region, Katanga Province, Democratic Republic of Congo

**Anvil Projects on the Mutoshi tenements:** Kulu copper tailings operation, and the Mutoshi copper-cobalt property

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



# MUTOSHI PROJECT – KOLWEZI

## Mutoshi Mining lease

The Anvil lease of 47.6km<sup>2</sup> covers the abandoned Mutoshi Mine and surrounding areas. The mine started life as the Ruwe Gold Mine in 1904, producing 67,000 ounces (oz) of gold with lesser amounts of platinum and palladium until 1949. The mining of stratiform copper and cobalt began in the 1950s.

The mine closed in 1987 following pit wall collapses and corporate cash flow problems. Production for the period 1960 to 1987 was 38.97Mt of ore at 1.77% copper (Cu) from the Breche orebody and 5.95Mt of ore at 4.93% Cu and 0.3% Cobalt (Co) from the mines group orebodies – a total production of 986,057 tonnes (t) of copper metal and 18,218t of cobalt metal.

Gécamines estimates that the remaining in-situ resources are 6.49Mt of breche ore at 1.6% Cu (105,120t of copper) and 4.48Mt of mines group ore at 3.2% Cu (143,360t of copper) and 0.3% Co (13,440t of cobalt). In addition, 335,800t of stockpiled ore grading 4.5% Cu and 0.43% Co was abandoned at the bottom of the pit (now under water) and a further 343,500t of ore at 2.6% Cu and 0.43% Co is stockpiled in nine ore dumps on the surface.

The Mutoshi mining lease contains several fragments of Roan Group rocks – all of which contain prospective orebody horizons. These prospects represent over 15km of prospective strike still to be explored.

Anvil has seen no quantifiable records of resource potential resources. Gécamines records, however, indicate that there could be 400,000t of copper metal in the Mutoshi North West fragment. This is apparently based on widely spaced drill holes and is not NI 43-101 compliant.

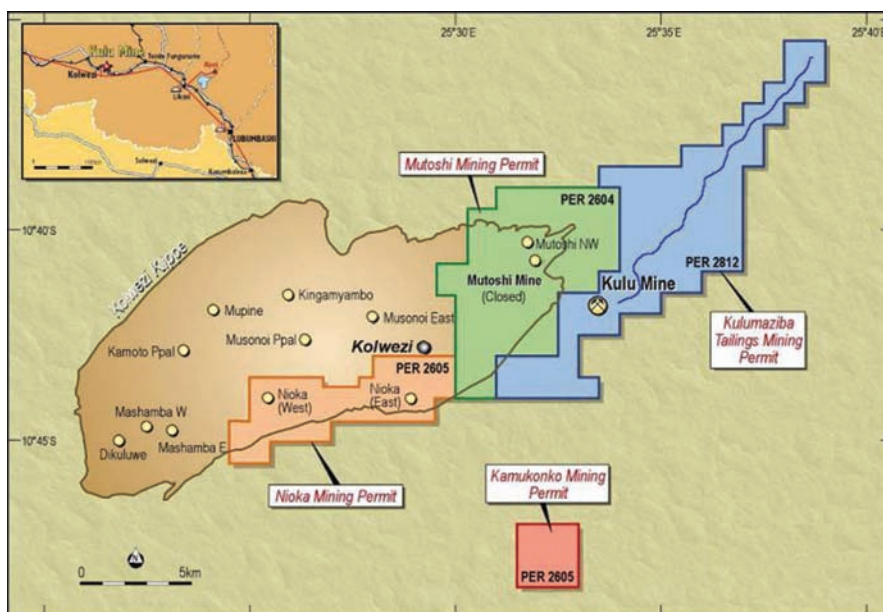
The southern 14km<sup>2</sup> of the lease is covered by quarternary Kalahari sand reportedly up to 30m thick. Interestingly, there is no record of exploration or drilling in this area.

## Nioka Mining Lease

The Nioka Mining Lease covers an area of 25.5km<sup>2</sup>. Prospective mineralized horizons have a total strike length of 18km. Anvil is planning a scout drilling program to evaluate good potential for both open-pit oxide resources and underground sulphide resources.

## Kamukonko Mining Lease

Joint venture partner Emiko sprl discovered high-grade (2%-4%) oxide cobalt mineralization (heterogenite) in the Kamukonko Mining Lease approximately 10km south-east of Kolwezi city. There is at least 2.5km of strike length to be explored.



### AUSTRALIAN OFFICE (HEAD OFFICE)

**William S. Turner,**  
President & CEO  
billt@anvilmining.com

**Craig Munro,**  
Vice President - Corporate & CFO  
craigm@anvilmining.com  
Telephone: +61 (8) 9481 4700  
Fax: +61 (8) 9481 4800

### CANADIAN OFFICE

**Robert LaVallière,**  
Vice President – Investor Relations  
robertl@anvilmining.com  
Telephone: +1 (514) 448 6664  
Fax: +1 (514) 448 6665  
Mobile: +1 (514) 944 9036