

Synopsis

Zambia has historically been Africa's largest copper and cobalt producer with a number of mining companies operating in different license areas and regions of the country. It is almost recent that the country has diversified its commodity base to include other deposits like gold, nickel, industrial minerals and with modifying factors allowing, uranium. Each one of these mining companies has a unique set of operational factors, vis-à-vis mining, grade and dilution control, mineral processing, concentration/smelting/refinery etc. The Zambian mining landscape is dotted by, but not limited to the following deposits;

1. Mopani Cu-Co deposit
2. KCM Cu-Co deposit
3. Kansanshi Cu-Au deposit
4. Lumwana Cu-U deposit
5. Chibuluma Cu deposit
6. Lubambe Cu deposit
7. Munali Ni deposit
8. Kagem Mine

You are expected to read and make a PowerPoint presentation on any one these deposits in terms of the following;

- Introduction and location
- Geology of the mine
- Ore resources and reserves
- Ore types
- Mining
- Processing (concentrator, smelter, refinery)
- References