



COPPER

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- Geology
- Exploration
- Ore Body Modeling
- Resource Estimation
- Mining Engineering and Metallurgy
- Scoping Studies
- Independent Technical Reports
- Valuations and Due Diligence



Grasberg drill core

CAPABILITY

Mining Associates is a specialist global geological and mining consultancy, with a head office in Brisbane.

We are a highly experienced, dedicated team of resource professionals working with a large network of recognized experts and advisers to the minerals industry (“Associates”) covering copper, gold, base metals, uranium, bauxite, nickel laterites, coal, iron ore, potash, phosphate and mineral sands.

We are focused on providing you with an understanding of the fundamental geological controls to add value to your project. The company undertakes high level work across a wide spectrum of mineral commodities, geological settings and mining methods on a diverse range of projects both within Australia and Internationally. We are focused on supplying specialist advice and world’s best practice products. We have a strong combination of “hands on” experience and practical implementation of the latest methods to provide our clients with the best solutions to their needs.

RECENT PROJECT EXPERIENCE

- **Freeport Grasberg, Irian Jaya** - Porphyry Cu-Au, Sarbanes Oxley Review of Resources & Reserves for both underground & open pit
- **Hauxi IPO, SW China** - Porphyry Cu, Major Porphyry Copper Project Review
- **Taysan, Philippines** – Porphyry Cu and Au, geology, mineralization, ore body modeling and resource estimation
- **Monywa, Burma** - Porphyry Cu Project Review, exploration recommendations
- **Tujuh Bukit, Indonesia** - Porphyry Cu-Au Valuation for the Emperor Mines-Intrepid merger
- **Dukwe Project, Botswana** – Porphyry Cu Review of the modeling and resource estimation
- **Kainantu, PNG** – Cu-Au geology and resources review, drill targeting
- **Palabora, South Africa** - Carbonatite Cu, mine geology block cave operation, geology and operations
- **Wafi, Hidden Valley & Hamata, PNG** – Porphyry Cu-Au, exploration manager, resource definition, drill programming, resource estimation, due diligence for purchase and pre-feasibility, resource review
- **Selwyn, Queensland** – Cu-Au, technical advisor for receivers
- **Ernest Henry, Queensland** – Cu-Au (IOCG), due diligence and valuation
- **Zambia Desktop Review** – project assessment and ranking of 30 Cu projects, exploration potential
- **Rocklands, Queensland** – Cu-Au (IOCG), resource estimate, geological assessment
- **Khamagtai, Mongolia** – Cu-Au Porphyry, resource estimate, geological assessment
- **Erdenet, Mongolia** – Cu-Mo Porphyry, resource estimate, geological assessment