

MINERAL SANDS

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



Kumamba, Indonesia

CAPABILITY

Mining Associates is a specialist global geological and mining consultancy, with offices in Brisbane and Perth.

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

- **Kumamba, Indonesia (Mineral Sands)** – site visit, high-level technical flaw analysis involving:
 - Review resource estimates and categories
 - Review geologic complexity of the individual deposits/domains
 - Review adequacy of existing exploration
 - Review general grade characterization and mineralogical issues
 - Mining and processing issues
 - Resource/reserve estimating parameters and procedures
- **Gippsland, Australia (Mineral Sands)** – involving:
 - Database review
 - Database validation
 - Statistical analysis
 - Geology domaining
 - Bulk modeling
 - Resource estimate
 - Mining and processing issues