

BULK COMMODITIES

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



Phosphate Hill Mine

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

Phosphate

- **TOGO** – high level review of phosphate mining operations, mine plan, processing and handling plan, plant equipment selection
- **Corella Bore, Australia** – exploration review, drill program planning, reserve drill out, resource estimate, bulk sample site selection, operation and reporting
- **Phosphate Hill, Australia** – feasibility study review of exploration methods, QA/QC, resource drill out, resource estimation and code compliance

Potash

- **Udoh Thani, Thailand** – Mining Associates' personnel have been involved in this project since its inception in 1992, regional geological assessment, exploration program planning, site selection, surveying, seismic exploration operation and modeling, drill target assessment and planning, drill supervision, resource modeling and updates, geology and resource review to bank feasibility standards, and full due diligence

Bentonite Clay

- **Gurlumndi, Australia (Au)** – resource estimate and scoping study

Bauxite (Nickel and Aluminum)

- **Aurukun, Australia (Bauxite)** – project review and audit, geology & geology modeling and resource estimation

Iron Ore

- **Kazakhstan** – due diligence, resources, independent technical report for magnetite iron-ore deposit