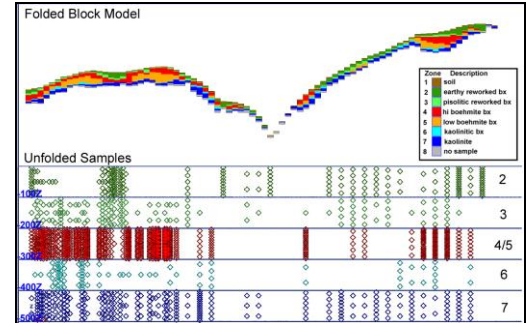


## RESOURCE GEOLOGY

- Resource Estimation & Ore Body Modelling
- Geostatistics, Variography, Statistical Analysis
- Conditional Simulation & Domaining
- Geological Systems, Databases, Resource Software
- JORC standards & NI43-101 reporting
- Independent Resource Reviews



*Folded Block Model, Aurukun Bauxite*

## CAPABILITY

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

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.

Mining Associates are skilled in the interpretation and integration of geological, mineralogical and structural information into the latest ore modeling software packages. This, in combination with statistical and geostatistical analysis, tailored to the specific deposit, allows Mining Associates to provide the most accurate of resource estimations.

### EXPERIENCE

- **Serra Pelada, Brazil (Au)** - 3D Geological Model, database validation, drill targeting
- **Taysan, Philippines (Cu)** – Confirmation drilling, resource estimation and NI43-101 technical report
- **Masbate, Philippines (Au)** - Resource estimation for Feasibility Study and NI43-101 technical report
- **Westmorland, Qld (U)** – Resource estimation, NI43-101 technical report and scoping study
- **Navidad, Argentina (Base Metals)** – Resource and reserve estimates
- **Yunnan Province, China (Cu)** – Resource review
- **Rocklands, Qld (Cu)** - Resource estimation and NI43-101 technical report
- **Miwah, Indonesia (Au)** - Resource estimation and NI43-101 technical report
- **Sinivit, PNG (Au)** – Resource estimation and NI43-101 technical report

### SKILLS

- Data management and validation to ensure data quality meets JORC, NI43-101 reporting guidelines
- Geostatistics, Variography, Statistical Analysis
- Linear and non-linear geostatistics
- Geological and statistical domaining
- Conditional Simulation and Risk Analysis
- Outlier and top-cut analysis
- Bulk modeling, Seam Modelling, Narrow Vein Lode Modelling
- Technical Reporting of Resources to International Standards, (JORC, NI43-101)
- Independent Resource Reviews
- Surpac, ISATIS, Snowden Supervisor, 3D modeling software