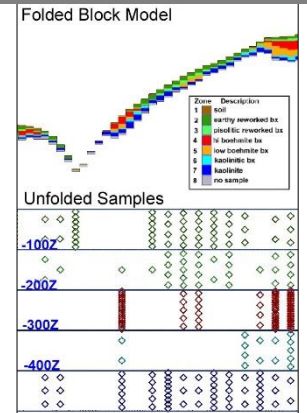# MINING ASSOCIATES

RESOURCES

COMPETENT & QUALIFIED AREAS

- Resource Estimation
- Geostatistics
- Independent Technical Reports (JORC-2012, NI 43-101)
- Reconciliations
- QAQC
- Database audits
- Independent Resource Reviews

Folded Block Model

Unfolded Samples

CAPABILITY

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

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 supply specialist advice and world's best practice products, with Capabilities in the areas of Geology, Resources, Operations, Corporate and Studies. We have a strong combination of "hands on" experience and practical implementation of the latest methods to provide our clients with the best solutions for 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 QAQC, statistical and geostatistical analysis tailored to the specific deposit, allows Mining Associates to provide the most accurate estimations.

Mining Associates has your resources covered.

EXPERIENCE

- **Tuvatu, Fiji (Au) –** Resource estimation and depletion calculations
- **Mt Boppy, NSW (Au)** – Resource estimation and JORC technical report
- **Walford Creek, Qld (Cu-Co)** – independent review of Mineral Resource estimates
- **Jervois Project, NT (Cu-Ag-Au) –** Mineral Resource estimate and technical report on Reward, Rockface and Bellbird deposits
- **Grants, USA (Au)** – audit and technical report on historic Resource estimation, undertook Mineral Resource estimation
- **Wonawinta, NSW (Ag-Pb-Zn)** – Resource estimation and JORC technical report
- **Segilola, Nigeria (Au)** - Resource and Reserve estimation, NI 43-101 technical report
- **Runruno, Phillipines (Au-Mo)** – Resource audit report checking input data and assumptions relating to estimation

SKILLS

- Data management, QAQC and validation to ensure data quality meets JORC, NI 43-101 reporting guidelines
- Geological and statistical domaining
- Statistical Analysis (EDA), outlier and top-cut analysis
- Linear and non-linear geostatistics
- Variography
- Conditional Simulation and Risk Analysis
- Bulk modeling, seam modeling and narrow vein lode modeling
- Structural data applications to Resource modelling
- Technical reporting of Resources to international standards (CP/QP for JORC, NI 43-101)
- Independent Resource reviews
- Surpac, ISATIS, Snowden Supervisor and Leapfrog 3D modeling software
- Reconciliations