COARSE GOLD SAMPLING AND ASSAY

Professional services from internationally renowned experts

Sampling protocol design
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Coarse gold-bearing deposits are challenging to evaluate effectively and require a unique blend of sampling theory and practice, combined with mineralogical and geological input to optimise sampling protocols.

Sample collection, preparation and assay protocols throughout the mine value chain must be designed to suit the specific style of mineralisation. Snowden can assist you through the design of characterisation programmes to determine gold particle size and distribution models, the application of the Theory of Sampling, and integration with orebody knowledge to provide appropriate sampling and assaying protocols.

Snowden offers expertise in ore characterisation, sample mass optimisation, sample collection and assaying procedures, QA/QC programmes, check sampling programmes, protocol audit and review, and training and mentoring.

**Fast Turnaround**
- Can negotiate sample turnaround schedules to meet the needs of each project and site
- Sample collection from client’s site can be arranged
- Timeframes and scheduled updates are enhanced by strong customer communication.

**Quality Output**
- Strict quality control (QC) guidelines are followed and an extensive QC database is established. QC standards are submitted with every batch and the results made available to customers
- Regular external audits are undertaken
- High quality of analyses is reached due to systematic quality control with use of internationally accepted certified reference materials.

Snowden and Gekko are pleased to offer an integrated service to provide best practice outcomes for the sampling and assaying of coarse gold mineralisation.

Gekko's world-class gold assay facility, is well suited to coarse gold mineralisation. Located at the Castlemaine Goldfields Ballarat project, it is fully equipped with state of the art sample preparation and analytical instrumentation including:
- Boyd Crusher, LM2s and LM5s
- LeachWELL 500-3000 - proven large sample techniques for coarse gold analysis
- Screen Fire Assays (SFA500-SFA1000)
- Fire Assays (FA25, FA30, FA50)
- Geochemical and Metallurgical Analysis including: AAS, ICP - OES, LECO for sulphur and carbon, gold on carbon, gold in solution, WAD cyanide analyser, laser sizing

"The Gekko Assay Lab team delivers timely, quality work and provides helpful advice"

Geoff McDermott,
Managing Director, Navarre Minerals