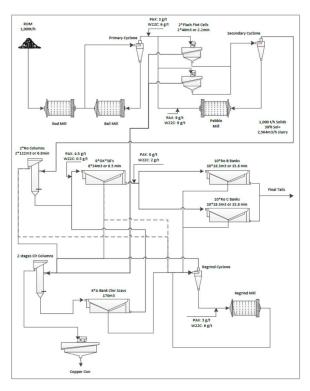


# Mineral Processing-Services and Field of Expertise

An independent mineral services laboratory - PMC is well positioned to provide mineralogical characterization, mineral processing troubleshooting, and plant monitoring through to geometallurgical studies. Our goal is to help the mineral processing industry maximize the project economics by providing relevant and accurate mineralogical data and consultation. Key service areas are broadly categorized as follows:

## **Process Mineralogical Characterization**

- Determination of process-relevant mineralogical parameters such as elemental deportment, particle size distribution, liberation analysis, gangue association, deleterious elements, etc. for ore definition studies, metallurgical testing products and processing plant audits.
- Targeted mineralogical characterization for troubleshooting and geometallurgical studies
- Calculation of Acid Mine Drainage potential based on mineralogy
- Estimation of deleterious elements release (e.g., trace element studies of sulphides)
- Column leach porosity-permeability characterisation and correlation with grade-recovery results.







### Metallurgical bench-scale test work:

- Gravity concentration gravity recoverable gold, dense media separation, tabling, spirals
- Magnetic Separation
- Flotation kinetics studies, differential flotation, lock-cycle flotation
- Leaching bottle rolls or stir tank, dye-penetration studies







# **Data interpretation**

- Client-tailored graphs, tables, calculations and documentation
- Assistance in interpretation of mineralogical data in context of mineral processing/metallurgy
- Evaluation of geochemical data in context of mineralogy and metallurgy (i.e., linking drill core assays to processing-relevant parameters for predictive deposit model)
- Predictive flowsheet development based upon mineralogical parameters and constraints.

#### WEBSITE:

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