

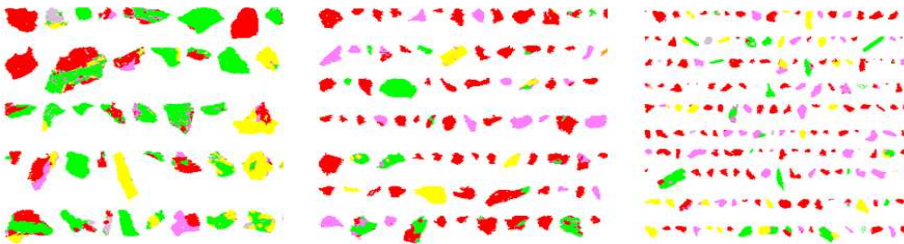
QEMSCAN...

QEMSCAN technology is an automated mineralogical technique used in both ore characterisation studies and in the metallurgical support of plant audits or lab flotation testwork programs. These mineralogical measurements are a critical component in identifying opportunities for improved plant performance and in flowsheet design.

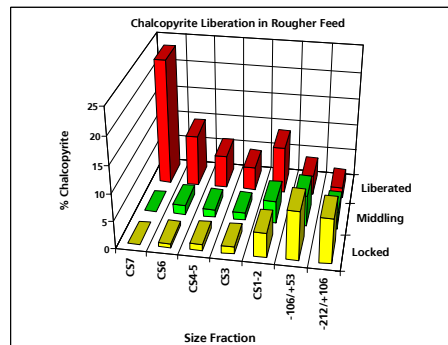
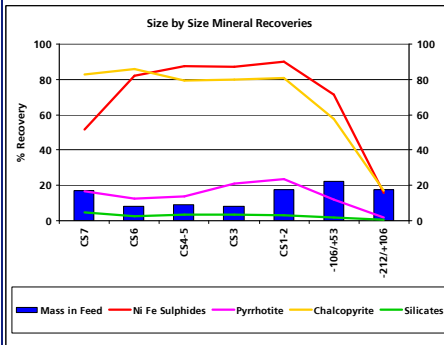
As an independent consulting service, the Xstrata Process Support Centre has two QEMSCAN's which offer high quality mineral measurements to the mining industry.

Sample preparation facilities including size fraction and polished section preparation as well as the ability to provide accurate mineral compositions with our SX-100 microprobe all support the QEMSCAN program and provide clients with an all-inclusive option at our testwork facility.

XPS has more than 12 years of experience in measurement and interpretation of QEMSCAN data. Our mineralogists work together with mineral processing engineers to better recognize opportunities in the plant and produce recommendations for implementation.



From automated mineral measurements to applied data



Practical Applications

Xstrata Process Support has extensive experience in ore characterization, plant and lab support, including the following:

- Ni sulphide deposits/concentrators
- Ni laterites
- Porphyry Cu deposits/concentrators
- VMS/Sedex deposits/concentrators
- MVT deposits/concentrators
- Heavy Mineral Sands (REE's)
- PGM deposits/concentrators
- Ag/Au deposits
- Alloys/Materials
- Smelter Slags

Key Advantages:

The following are key deliverables provided by QEMSCAN analyses:

- Size by size liberation for minerals of interest
- Modal mineralogy
- Element deportment by mineral
- Grain sizes for minerals of interest
- Mineral associations
- Mineral recoveries
- Colour images



QEMSCAN in operation at XPS



For further information on XPS QEMSCAN services please contact:

lkormos@xstrataprocesupport.ca

joliveira@xstrataprocesupport.ca

Tel: +1 (705) 699 3400

Fax: +1 (705) 699 3431

www.xstrataprocesupport.com

"Adding value...
...Reducing risk"