

Using X-Ray Fluorescence to identify the metal content in ore

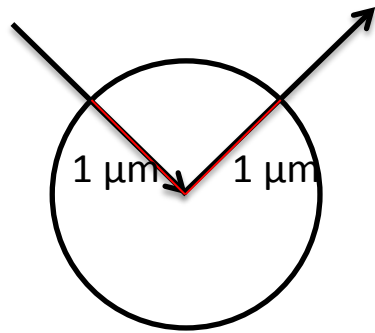
Why use X-Ray Fluorescence (XRF) in mining?

- Knowing the metal content of ore is essential to how that ore is processed (if at all)
- XRF can analyse the ore on site saving time
- Continuous analysis of ore stream

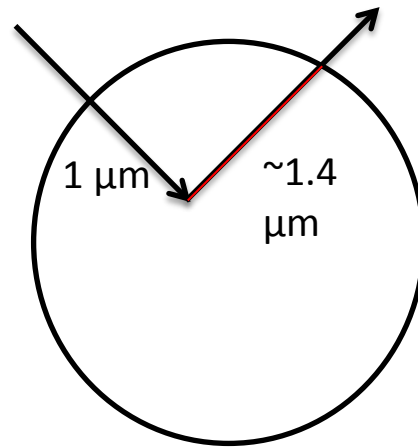


Improving XRF for unprepared samples, such as ore

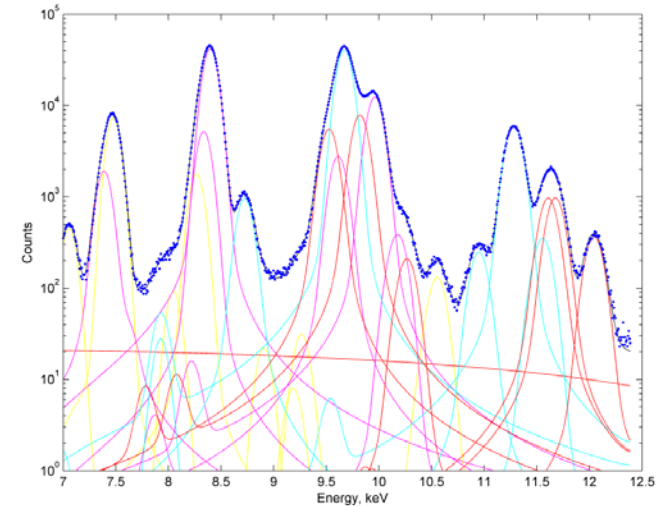
- Mineralogical effects
- Surface effects
- Particle size effects



Particle Diameter = 3 µm



Particle Diameter = 2 µm



Tungsten XRF Spectrum