

## SURFACE EXPLORATION USING ULTRAFINE SOILS

### Demonstrated by LabWest-sponsored CSIRO/MRIWA Project

The recently-completed CSIRO/MRIWA Project “**Multi-scaled near surface exploration using ultrafine soils**” has successfully demonstrated the applicability of this novel approach to exploration in WA.

The technique delivers multielement analysis, mineralogy and several related parameters derived from the ultrafine (< 2 µm) fraction of soil samples. Concentration of gold and related metals in the ultrafine fraction gives stronger signals, generally well above instrumental detection limits, and increased signal-to-background ratios.

Excellent reproducibility means smaller samples can be collected, leading to reduced sampling and transport costs, and lending itself to extracting significant additional value from historical sample libraries.

As participant and sponsor of the project **LabWest** assisted in development of the process, which fits comfortably with our expertise in a wide range of sensitive regolith geochemical techniques. LabWest is now pleased to offer Ultrafine+ and related techniques to the wider minerals exploration community.

## A Promising New Approach to Regional Exploration in WA



- Enhanced signal to background ratio
- Increased sensitivity for Au analysis
- Elimination of Au nugget effect
- Smaller samples = Reduced sampling cost
- Improved targeting
- Multiple parameters to aid interpretation

Contact LabWest for information on Ultrafine+ and how it can add value to your exploration programme.

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