

# detectORE™

Detecting low level Gold with pXRF



## Portable PPB's detectORE™ application on the Bruker suite of pXRF instruments



### What is detectORE™?

*detectORE™ is a patented technology to detect gold at low level concentration's (<20 ppb) using a portable XRF.*

- Uses a consumable ("widget") plus an App (specialised software)
- Works on most kinds of exploration samples
- Can be applied in-field / remote location using off-the-shelf pXRF
- Enables fast, continuous, and more effective gold exploration
- Adaptive sampling trims many months off normal timelines to discovery - saving \$\$\$
- Greatest impact in remote locations away from efficient laboratories
- Disruptive technology with clear commercial benefits for the users
- Global exclusive Licencing Rights are held by Portable PPB Pty Ltd (Pppb)
- DetectORE™ application is now available on Bruker's suite of pXRF instruments

*Commercial release first half of 2022*



detectORE™  
*explore smarter, discover faster >>*



**Portable Spectral Services**  
Experts in Spectral Technology



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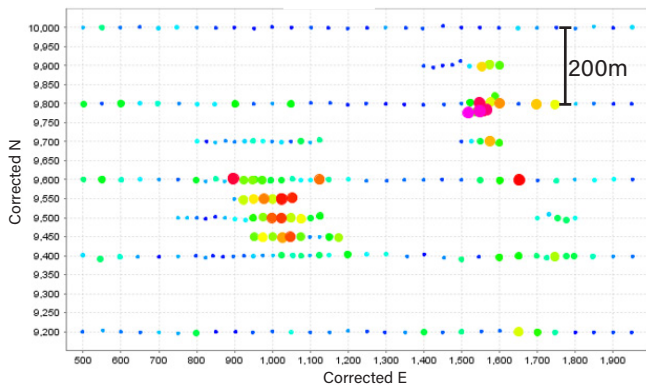
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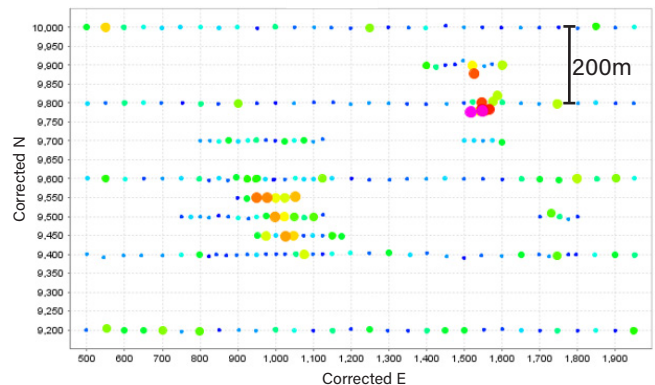


Historically, detecting **low levels** of **gold** in the field has been a challenging process with no truly accessible methodologies available. Portable PPB Pty Ltd's **detectORE™** brings compatibility for the detection of **low-level gold** by pXRF analysis anywhere!

Lab Au concentration (ppb)

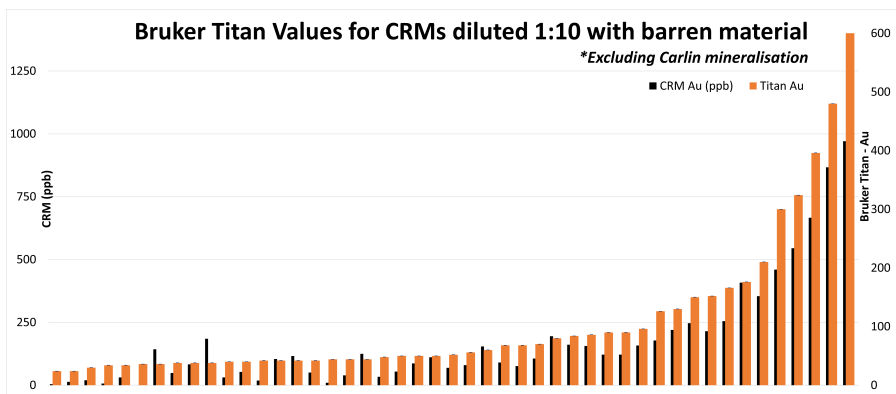


detectORE™ from Bruker's S1 TITAN 800

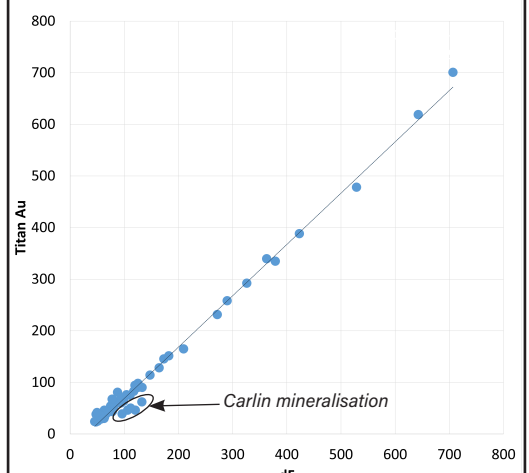


detectORE™ low level gold-in-soil results. Total survey time 6 days.

Bruker Titan Values for CRMs diluted 1:10 with barren material  
\*Excluding Carlin mineralisation



dF Vs Bruker Titan Au



## Blind CRM test

- Results highly encouraging
- Many CRMs certified for FA & include deleterious metals
- Recovery issues - mineralisation style (e.g. Carlin)

detectORE™ Calibration Mode compatible on Bruker pXRF family of instruments

