



Rapid RC drill results using detectORE™ : West Africa

Executive Summary

Samples from exploration drilling in West Africa often need to be transported to a suitable laboratory that may be located hundreds of kilometres away. Sorting, packing and transporting samples, often along poorly maintained roads is time consuming and not without risks. Results can take many weeks to months after reaching the lab, and any follow up drilling may be postponed until after the wet season when crops have been harvested. With detectORE™ gold analyses are available anywhere the same day as drilled.

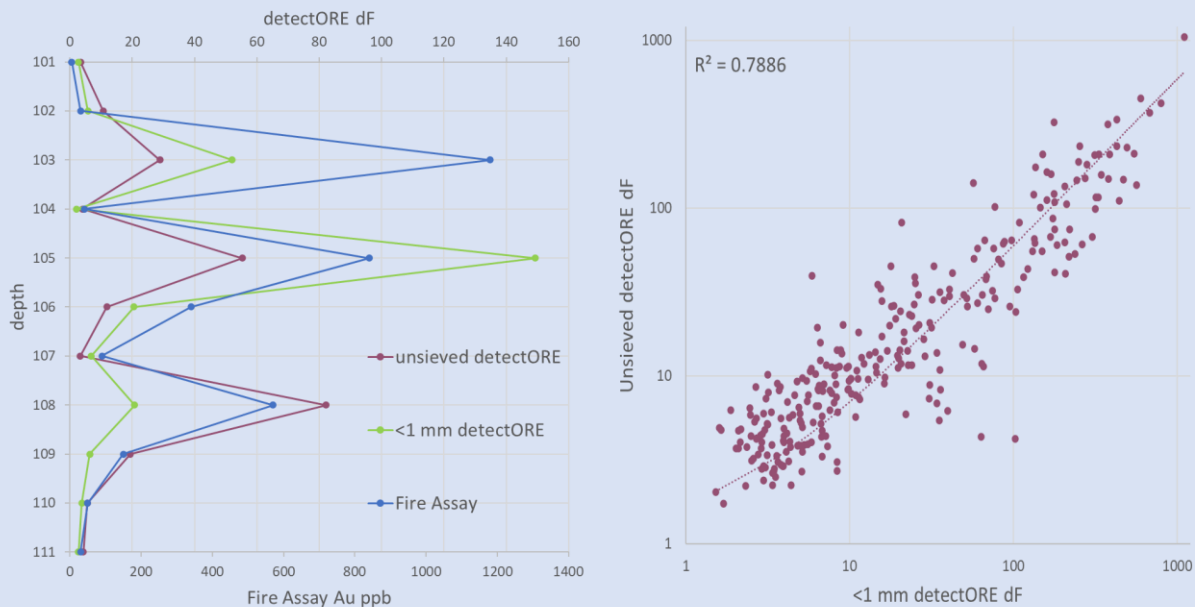
Problem

Drilling is a costly activity and it is hard to commit to more drilling until the results from the initial phase of drilling are known. Drill rigs are a finite resource and not always available when needed. They command a fee to arrive and depart a project. Laboratories are also a finite resource and accessed by many clients, all of whom have urgent samples. Gold results can take many months during which time a project or company can languish awaiting results to provide confidence on the next activity. Exploration projects and companies thrive or fold on gold results.

“With detectORE™ gold analyses are available the same day as drilled”

Background

detectORE™ was tested on RC samples from 18 carbonaceous and arseniferous drill holes from Cote D'Ivoire. Sample preparation was limited to sieving to <1 mm as well as on raw, un-sieved material. The *detectORE™* results were compared with the original fire assay on these holes. Good agreement was found between the methods with the un-sieved samples overall providing slightly poorer, but still acceptable, correlation with fire assay. Both sieved and un-sieved samples were indicative of mineralisation but un-sieved samples extracted less of the gold due to encapsulated gold in the coarser particles.



Example of an African RC drill hole compared for gold using *detectORE™* (dF) and fire assay (Au ppb) and sieved vs un-sieved on the entire sample set.

Conclusion

*Transporting samples and waiting for results is a slow, inefficient, and ultimately a very costly method of gold exploration especially when seasonal and commodity cycle effects are factored in. The *detectORE™* method is ideally suited for identifying and differentiating ore grade intercepts, anomalous and barren material downhole. This provides in-field confidence on whether to advance or retreat from a target. This case study demonstrates that *detectORE™* can be used to analyse African RC samples on site and thus save time and resources to explore smarter and faster.*

Contact Us

Portable PPB Pty Ltd

W: portableppb.com

Ph: +61 8 6248 7714

E: info@portableppb.com.au

A: 42 Tulloch Way, Canning Vale, 6155 Western Australia
