



Rapid gold-in-soil anomaly detection using detectORE™

Executive Summary

detectORE™ located and defined several soil anomalies in six days that would normally take many months or more. The one-day turnaround in gold results empowered the on-site geologist to react and make decisions on where to sample the next day. Infill sampling led to drill targets within the week saving considerable time and money.

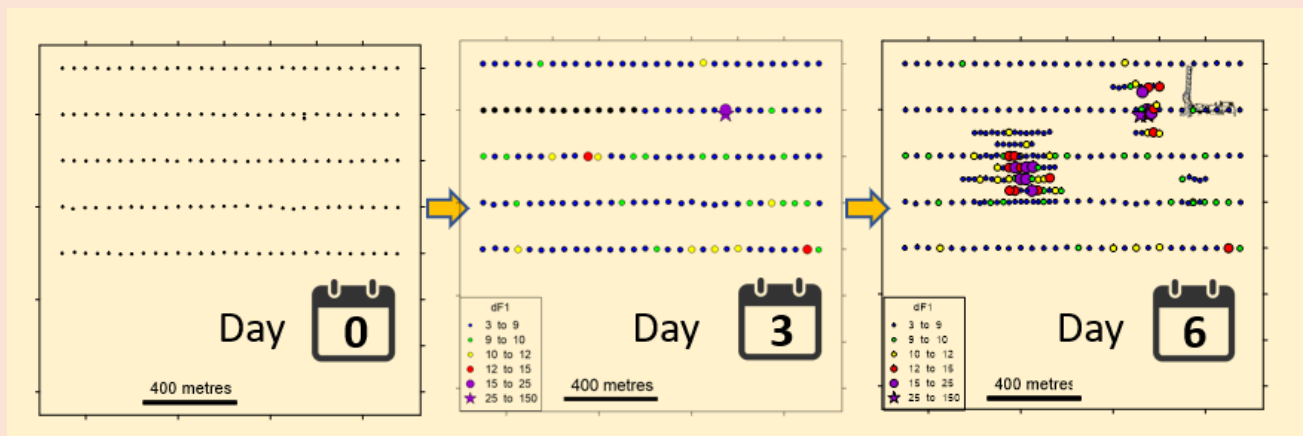
Problem

Mineral explorers working to a budget need reliable results quickly. Without assays the project cannot advance. While laboratory results can take only a few weeks, once they reach the lab, during periods of high activity during 'resources booms' results can take many months. Even waiting a few weeks for results is extremely inefficient as this can lead to over sampling, stalled projects or 'working in the dark' without feedback of any progress being made towards discovering gold.

"Waiting for laboratory results is costly"

Background

We were tasked with exploring a 3 sq km exploration target within one week (Day 0). On Day 1 we commenced sampling soils on a 200 x 80m grid, sieving samples on site to <2 mm before returning to the camp and processing using detectORE™; by Day 3 we had covered the initial grid but had first pass infill samples collected and ready for analysis. By Day 5 we were able to do infill sampling of the infill grid to improve the tenor and definition of the anomalies. Some infill areas looked more promising than others and so we infilled these even further, down to 50 x 20m spacing analysing for gold each day. By Day 6, two gold anomalies stood out that resulted in robust multipoint anomalous results worthy of follow-up drilling of clearly defined targets.



Two gold -in-soil anomalies were identified and followed up to create drill-ready targets

Conclusion

Game changing detectORE™ Technology enables anyone to obtain gold results to <20 ppb in the field breaking the traditional cycle of mineral exploration. The reactive sampling detectORE™ Process delivers results quickly to geologists anywhere allowing them to make critical decisions on-the-fly. Resources saved can be used to explore anomalies at depth or detect new prospects elsewhere during the same field campaign or season. The detectORE™ Technology was successfully used to discover two, drill-ready soil anomalies within a six-day period. By exploring smarter the geologist, using detectORE™, was able to find the gold faster.

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