

Woodlawn - Recent successes with EM - from below the ground to well above

This talk is in two parts:

1) Woodlawn is a well known dormant VHMS mine near Canberra. Mined from 1978 to 1998, the deposit is currently held by TriAusMin Ltd which is working on re-opening the mine using a combination of re-treating the tailings and adding further resources underground. One of the challenges for exploration is the depth of investigation, the target zone being 600-800m below surface, which means that as much information as possible is obtained from each drill hole.

A recent DHEM survey at Woodlawn has defined a potentially mine-making new lens in an unexpected location. The results illustrate the importance of forward planning, diligence, a 'never assume' approach to exploration and a dash of good luck.

2) Airborne EM has been, and continues to be, a great success story in Canada where several ore-bodies have been discovered - largely due to widespread glaciation removing the regolith. Its track record in Australia has not been so good. However, the past few years have seen a rapid improvement in AEM systems. Some Australian data is used to demonstrate the dramatic drop in noise levels, as well as to give some instructive and cautionary tales about common pitfalls with AEM data.

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