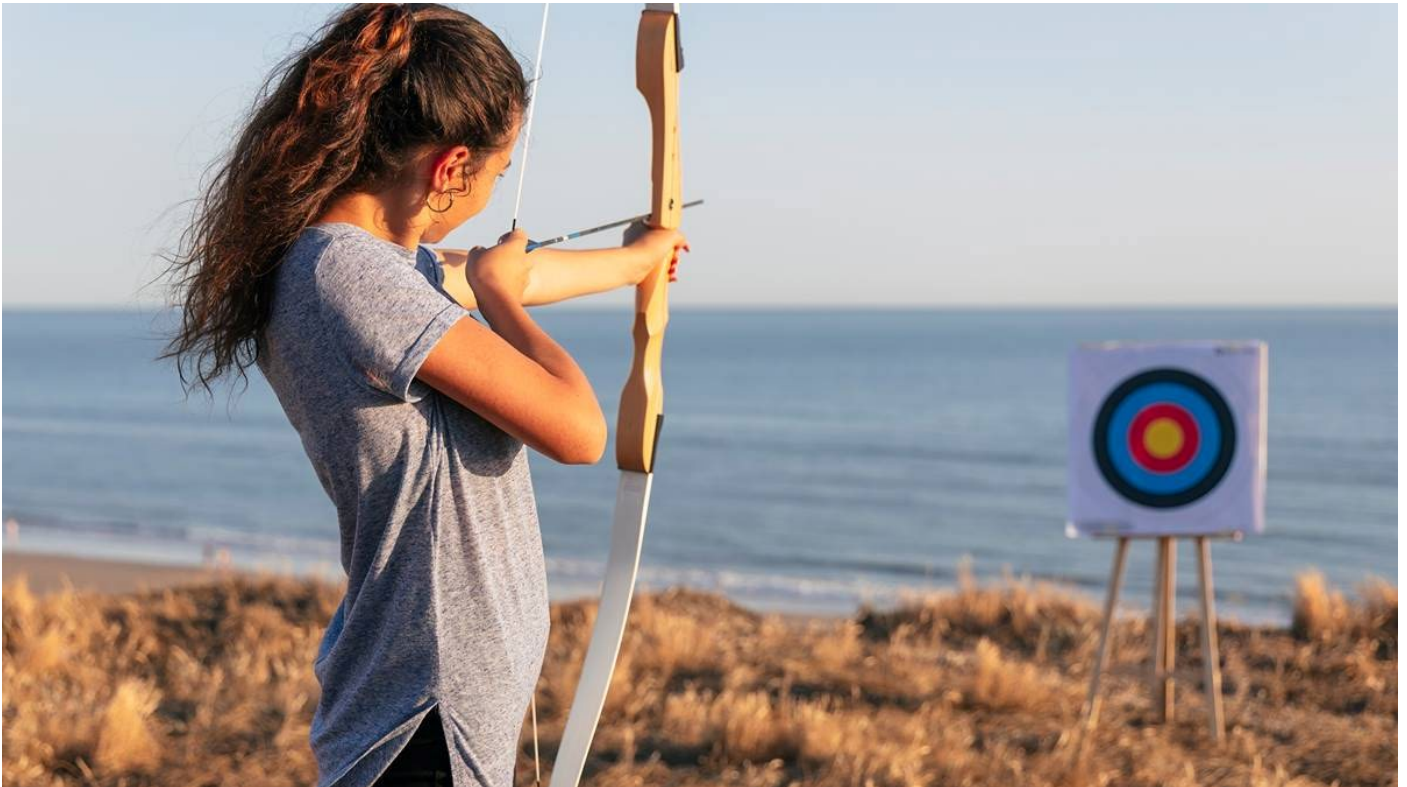


Koonenberry IP survey identifies six priority drill targets along Sunnyside Shear Zone

By SPECIAL REPORT

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Koonenberry's IP surveying has identified six high priority targets for gold drilling. Pic: Getty Images

- Koonenberry's IP surveying maps >2km strike of Sunnyside Shear Zone at its Enmore project
- Survey identifies six priority drill targets with coincident gold and arsenic in soil anomalism
- Same survey technique expected to help unlock 30km of prospective zones across project

***Special Report:* Fresh from defining bulk tonnage gold potential at the Sunnyside prospect, Koonenberry Gold has completed induced polarisation geophysics that identified six high-priority drill targets along the Sunnyside Shear Zone in NSW.**

The survey mapped the Sunnyside Shear Zone as a linear resistivity low within the granite, which is the preferred host rock to the extensive gold mineralisation intersected at Sunnyside.

Koonenberry Gold (ASX:KNB) said the Sunnyside Shear Zone was interpreted to pinch and swell along its >2km strike length, potentially providing dilational sites for gold mineralisation where the structure opened up.

The six drill targets are identified along first and second order structures, which are considered important fluid pathways for gold mineralisation, with coincident gold and arsenic in soil anomalism.

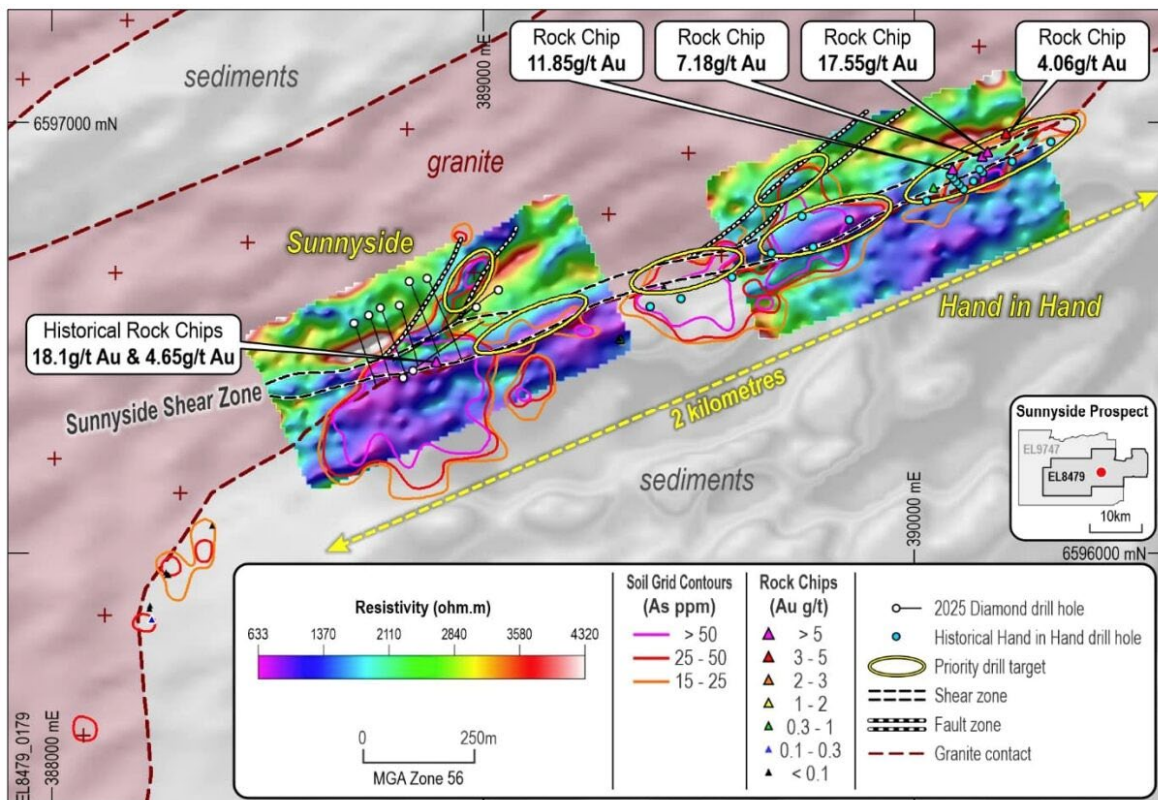
Use of IP surveys in mapping first and second order structures is expected to help with exploration of the more than 30km of prospective shear zones at the broader Enmore project in northern NSW. It can also assist with ranking targets identified at the district scale.

“We have completed an electrical geophysical survey at Enmore, which has added to our understanding of the structures that are controlling mineralisation at Sunnyside,” KNB managing director Dan Power said.

“Extrapolating away from known mineralisation at Sunnyside we have identified several priority targets that are lined up along the Sunnyside Shear Zone.

“These occur within the preferred granite host rock and are supported by robust gold and arsenic anomalies in soil geochemistry. This data highlights prospectivity to the east of Sunnyside where we see the potential for extensions and repetitions to the gold mineralisation.

“A +2km long prospective zone is shown along the Sunnyside Shear Zone at the contact between the granite and sediments with coincident gold and arsenic in soils and high-grade rock chip results highlighting six priority drill targets which remain untested.”



Sunnyside to Hand in Hand GAIP with interpreted Sunnyside Shear Zone (first order structure) and tangential faults (second order structures). Pic: Koonenberry Gold

Survey analysis and forward plan

KNB initially carried out the gradient array IP survey on a 400m by 400m area covering the main area of drilling at the Sunnyside prospect.

It was designed to map any chargeable features from sulphides observed in the drilling and/or resistivity contrast to map changes in geology and alteration.

This found the resistivity was mapping the shear structures, geology and other cross-cutting structures with a significant level of detail, leading the company to extend the survey towards the east before a separate survey was planned and completed at Hand in Hand.

While dipole-dipole IP surveying was found to be unsuitable for drill targeting at Sunnyside, the results indicated that GAIP might be suitable for mapping first and second order structures which are considered important fluid pathways for gold.

The company is planning +10,000m of drilling to follow-up on its successful maiden drilling at Sunnyside.

This will test the continuity and extensions to mineralisation at Sunnyside as well as test the Sunnyside Shear Zone, particularly to the east where the company has identified a ~2km strike length of highly prospective granite associated with gold and arsenic soil anomalies.

Wide-spaced, relatively shallow historical drilling in this area contained anomalous gold, adding further to the prospectivity of this zone.

Additional soil sampling has also been conducted along the Borah Fault, a parallel fault to the Sunnyside Fault with encouraging results that will require drill testing.

This article was developed in collaboration with Koonenberry Gold, a Stockhead advertiser at the time of publishing.

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