

# MOOGIE PROJECT

## JOINT VENTURE OPPORTUNITY

### Background

- ▶ Hannans (ASX:HNR) is undergoing a change of business from mineral exploration to focus on the recovery of energy metals from scrap and end-of-life lithium batteries.
- ▶ Hannans has entered into agreements to commercialise bespoke battery recycling technology in UK, Ireland, Italy, Balkans and Nordic regions.

### Opportunity

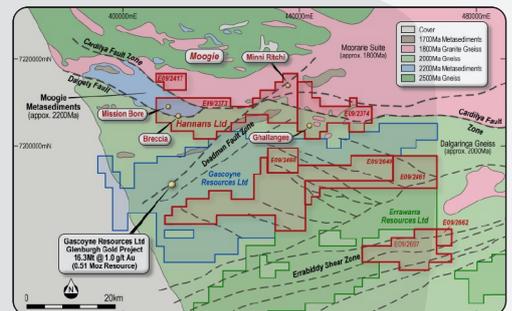
- ▶ The Company seeks expressions of interest for acquisition or joint venture of its Moogie Project in a region prospective for gold, nickel-copper-PGEs, gold-copper and REEs.

### Location Location

- ▶ Hannans was an early-mover and secured large tenure (889sq km) of under-explored, highly prospective terrane in the Gascoyne proximal with the margin of Yilgarn Craton.
- ▶ Capricorn Orogen is host to numerous deposits including world-class De Grussa VHMS, Mount Olympus (Au), Abra (Pb-Ag) and proximal Glenburgh deposit (Au).
- ▶ Rare earth elements are growing in prominence with development at Yangibana (ASX:HAS) and on-going exploration at Lyons (ASX:LNR), & Mangaroon (ASX:DRE), and in proximity to Moogie at Innouendy (ASX:DM1), Kingfisher & Mick Well (ASX:KFM) and Mt Clere (ASX:KTA).

### Crustal-Scale Structures

- ▶ The Gascoyne Province comprises a series of fault-bounded granitic and metamorphic blocks and regionally significant faults/shears.
- ▶ Moogie Project contains deep-seated, Deadman FZ & Cardilya SZ, identified as a favourable site for potential economic mineralisation by GSWA mineral-systems prospectivity-mapping.

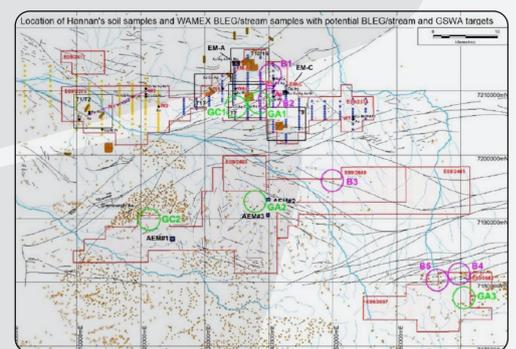
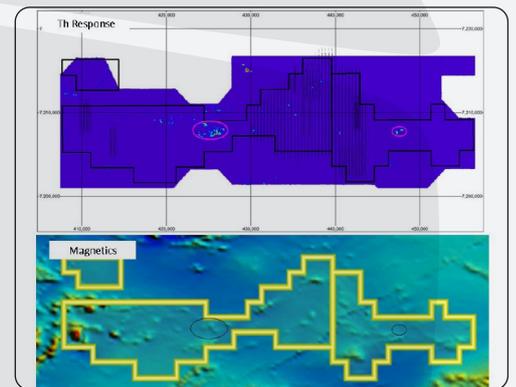
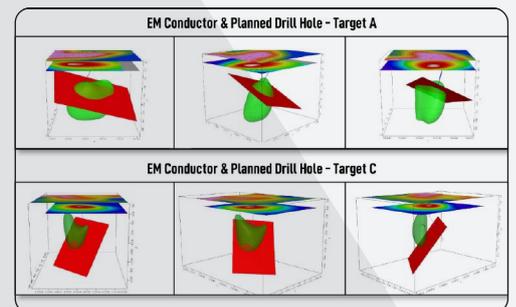
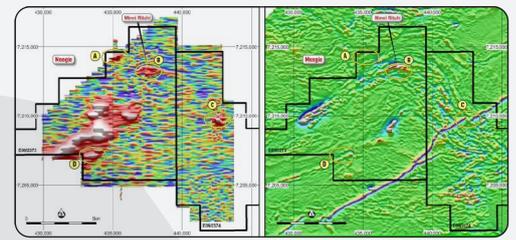


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### Identified Prospectivity

- ▶ **Breccia & Mission Bore prospects (Cu-Au):** Outcropping copper oxide mineralisation associated with ~4km altered and brecciated zone of gneissic rocks. Albite-silica-k-feldspar alteration, copper-magnetite mineralisation & structural position all support a possible IOCG/PBM deposit model.
- ▶ **Minni Ritchi & Ghallangee prospects (Ni-Cu-PGE):** Structurally favourable position in zone of thickening of Cardilya SZ at intersection with Deadman FZ. Coincident (weak) multi-element soil anomalism, prominent magnetic & EM anomalies at Minni Ritchi potentially represent the mafic-ultramafic intrusive at depth, an interpretation supported by mapping of deformed ultramafic rocks at Ghallangee.
- ▶ **Drill-Ready EM conductors:** Coincident Au-Ag-As-Bi-Mo & Cr-Ni & Pt-Pd anomalism spatially related to thickening of Cardilya SZ and an offset in a prominent NE-trending magnetic unit parallel to the Deadman FZ.
- ▶ **REEs:** Thorium responses 3 to 5x background have been identified associated with some circular patterns in magnetics and coincident U and K responses.
- ▶ **Multiple geochem targets:** Au,Ni,Cr,Cu,Pt,Pd anomalism in systematic HNR soils and rockchip sampling and GSWA open-file data: yet to be followed up.



# HANNANS

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