



# Im

Infinity mining

# ADVANCING MULTIPLE LITHIUM-NICKEL - GOLD-COPPER PROJECTS

IN WESTERN AUSTRALIA'S KEY MINING JURISDICTIONS

ASX CODE: IMI



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Dr Hedger is the consultant to Infinity and a Member of the AusIMM. He is a Competent Person as defined in the Australasian Joint Ore Reserves Committee Code. Dr Hedger has reviewed and approved the technical information in relation to the Pilbara and Central Goldfields projects contained in this Presentation.

# Investment Overview



## EXTENSIVE ASSET

10 exploration licences,  
2 mining leases and  
7 prospecting licences  
covering an area of 711km<sup>2</sup>  
of highly prospective land in  
the Pilbara and  
Central Goldfields.



## STRONG PILBARA LITHIUM & NICKEL OPPORTUNITY

Lithium prospect on two  
Tambourah tenements as well  
as Hillside West. Nickel,  
copper and gold prospect  
located at Panorama, which  
have JV potential.



## MULTIPLE GOLD GEOLOGICAL TERRANES

Projects located in highly  
prospective lithium, REE, nickel  
and gold-copper regions,  
spanning Apex basalt, Mt Roe  
Basalts and Fortescue  
Formation sequences.

# CORPORATE OVERVIEW

## Capital Structure

ASX: IMI



Shares<sup>1</sup> on issue  
**109.26m**  
Total (Options<sup>2</sup>)  
**30m**



Cash

**\$A6.8m**



Share Price

**\$0.24**

(19 September 2022 close)  
52-week range: **\$0.115-A\$0.24**



## Top 10 Shareholders

Macarthur Minerals Limited	21.57%
Alec Charles Pointon	9.15%
Zanil Pty Ltd	9.15%
Merrill Lynch (Australia)	4.16%
Orbit Drilling Pty Ltd	1.69%
Sunset Superfund A/C	1.41%
Cityscape Family A/C	1.36%
J&C Groot Superfund A/C	1.35%
TI Growth A/C	1.30%
Proyou Accountants Pty Ltd	1.30%

1. 10,000,000 shares in escrow until 10 December 2022 being 12 months from issue. 5,618,750 shares in escrow until 5 October 2022 being 12 months from the date of issue and 35,693,672 shares in escrow until 22 December 2023 being 24 months from date of commencement of Official Quotation of 22 December 2021. Escrowed shares represent 46.96% total issued capital.

2. 25m options with an exercise price of A\$0.30 expire 10 June 2023. 5 m options with an exercise price of A\$0.25 expire 10 June 2024 classified by ASX as restricted securities and held in escrow until 22 December 2023, being 24 months from the date of commencement of Official Quotation of 22 December 2021.

## CORPORATE OVERVIEW

ASX: IMI

### PROGRESS TO DATE:

- Drilling programs for Great Northern Mine and Barlow's Gully completed.
- Mapping, rock chip and soil sampling underway across the Pilbara.
- Drill targeting and permitting completed for lithium at Tambourah South Project.
- Mapping, rock chip and soil sampling on the Central Goldfields prospects completed.
- Drone geophysics on the Central Goldfields prospects completed.
- Drilling program completed at Craig's Rest.
- Rock chips/soil sampling completed at the Brisbane Nickel project in the East Pilbara.

### PLANNED 2022 DRILLING:

- Hillside - Nickel
- Tambourah South - Lithium

## Introduction to

# The Pilbara



## Focus on growing Pilbara / Marble Bar lithium

- Located in Pilbara Mines Precinct
- Similar geological setting to nearby Pilgangoora, Wodgina and Archer lithium projects.



## Active Exploration Programs – ongoing

- RC drill program to commence at Tambourah South
- Geological mapping, rock, soil and stream sampling program completed.
- Heavy vehicle access across Riversgold tenement being sought
- All new exploration targets have visible pegmatite surface expression in 32 stacked units.
- High topography provides opportunity from surface to below ground mineralisation.



# TENEMENT PORTFOLIO

Large Greenstone footprint in the Pilbara

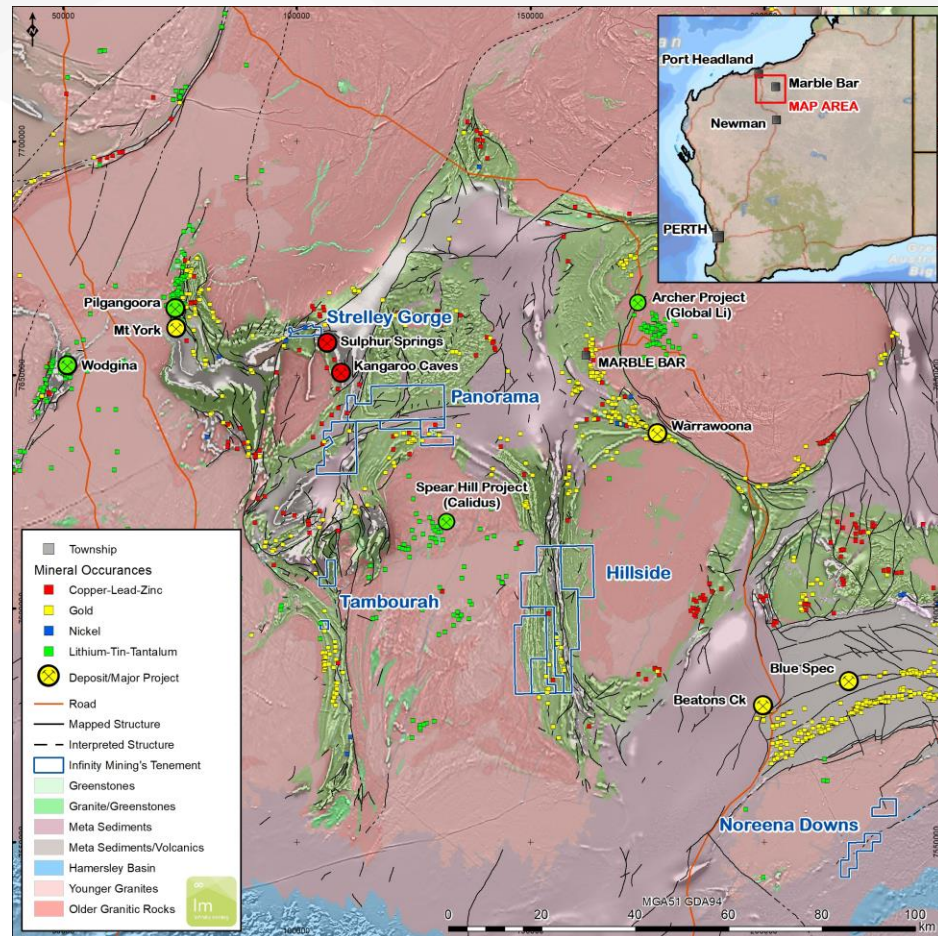
- Hillside: 397km<sup>2</sup>
- Panorama: 253km<sup>2</sup>
- Tambourah: 16km<sup>2</sup>

Bound by Potassium-rich younger Granites

Cross cutting structures known to host LCT / REE elements

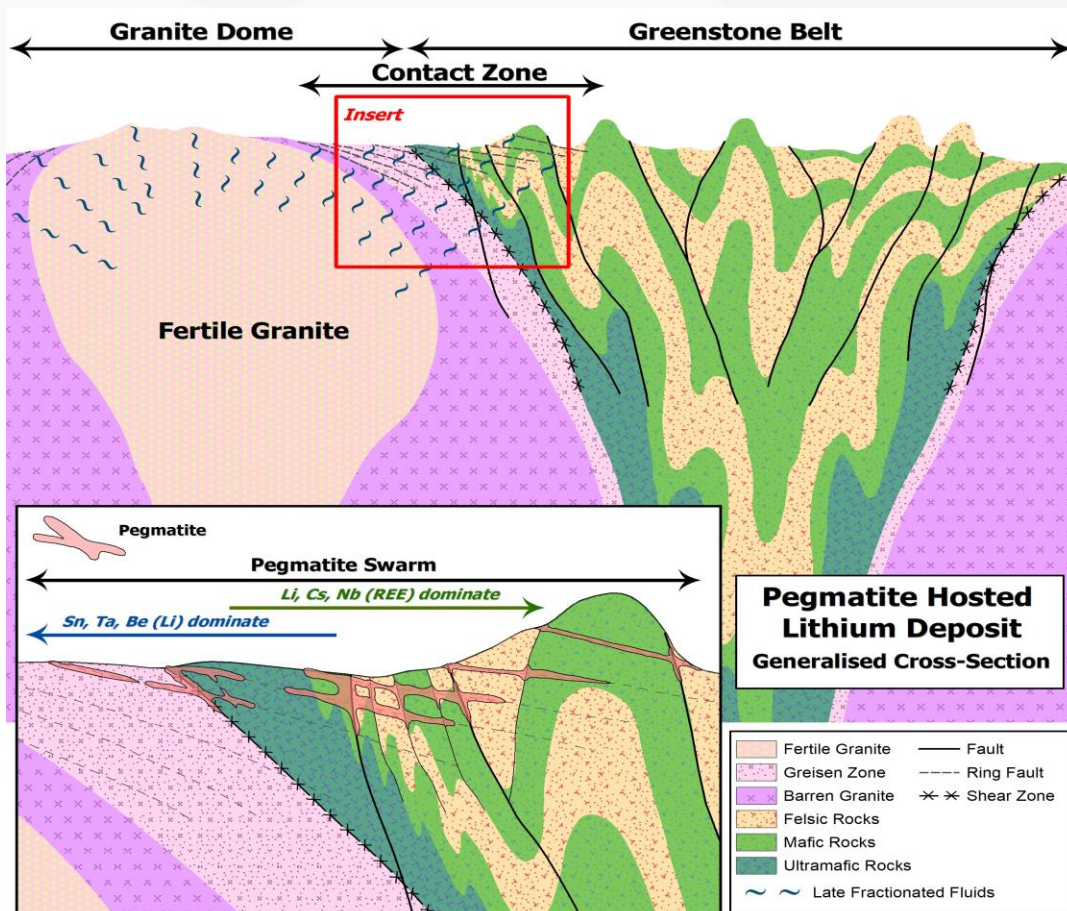
No previous exploration

Drill ready targets for lithium, base metals, and gold targets.



# MARBLE BAR LITHIUM

## Geology of lithium deposits in the Pilbara





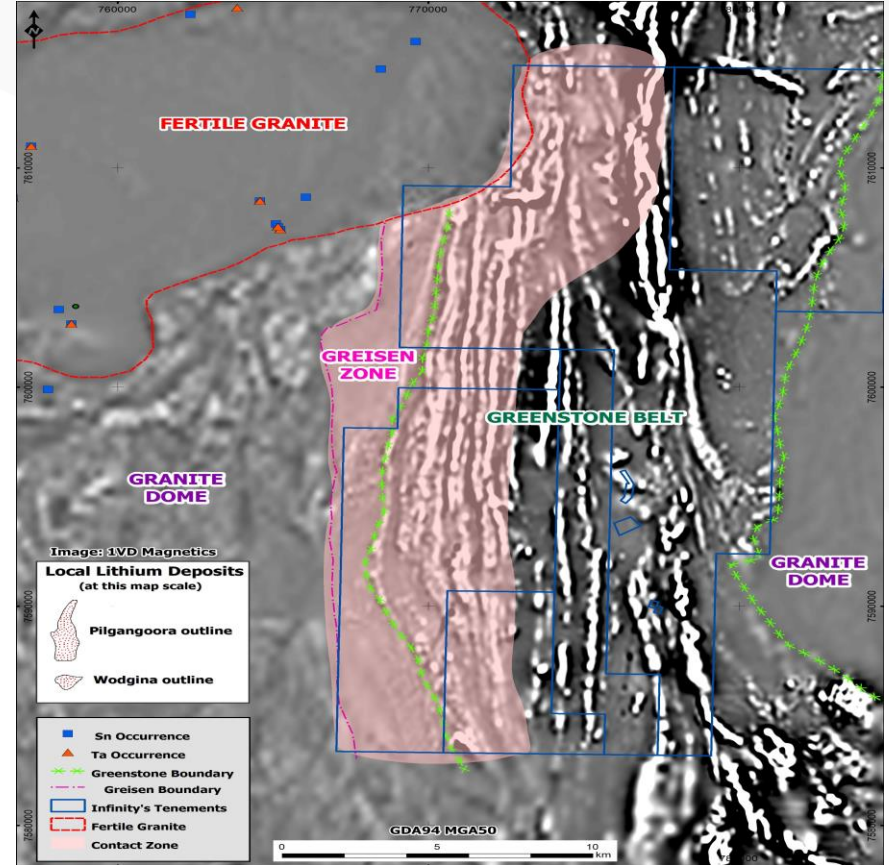
# TENEMENT PORTFOLIO

## Pilbara:

### Hillside West

Magnetics of Hillside West identifying the relationship of the potassium rich granites to the greenstone contact

- 40km strike in the Greisen Zone.
- LCT/REE mineralised pegmatites observed.
- Mapping and sampling underway.
- No previous exploration history.



Magnetic Image Showing Prospective Lithium Pegmatite Zone (in Pink)

# Tambourah South



## Focus on growing Pilbara / Marble Bar lithium

- Located in Pilbara Mines Precinct.
- Similar geological setting to nearby Pilgangoora, Wodgina and Archer lithium projects.

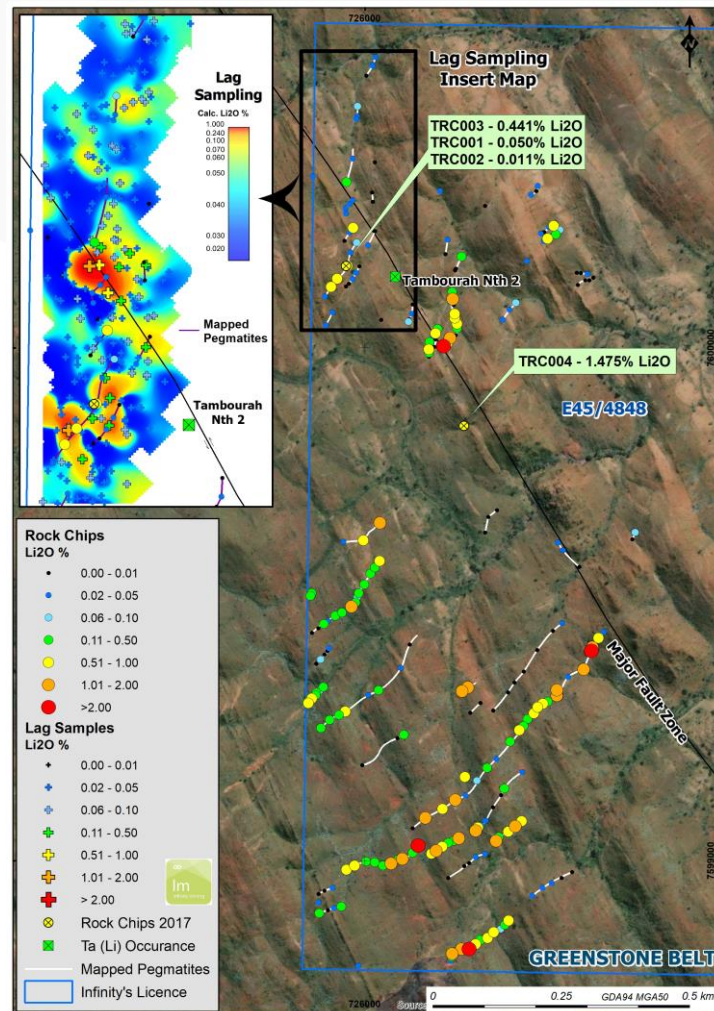
## Active Exploration Programs – ongoing

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- All new exploration targets have visible pegmatite surface expression in 32 stacked units.
- High topography provides opportunity from surface to below ground mineralisation.

# TENEMENT PORTFOLIO **Pilbara:**

Tambourah South  
Lithium results host  $\text{Li}_2\text{O}$   
grade up to 2.635%  $\text{Li}_2\text{O}$

- Infinity Mining's first field rock sampling program has confirmed multiple stacked Lithium-bearing pegmatite units within the Tambourah South tenement.
- Rock sample values collected at Tambourah South:
  - Highest results 2.635 %  $\text{Li}_2\text{O}$ , 0.662 % Rb, and 611.3 ppm Cs.
  - 6 results returned over 2.0%  $\text{Li}_2\text{O}$
  - 10 results between 1.5%-2.0%  $\text{Li}_2\text{O}$
  - 14 results between 1.0%-1.5%  $\text{Li}_2\text{O}$
  - 38 results between 0.5%-1.0%  $\text{Li}_2\text{O}$
- Samples taken along pegmatite units with widths up to 10m and strike lengths up to 558m.
- All new exploration targets have visible pegmatite surface expression.
- Recent Lag sampling showing possible concealed pegmatite trends.

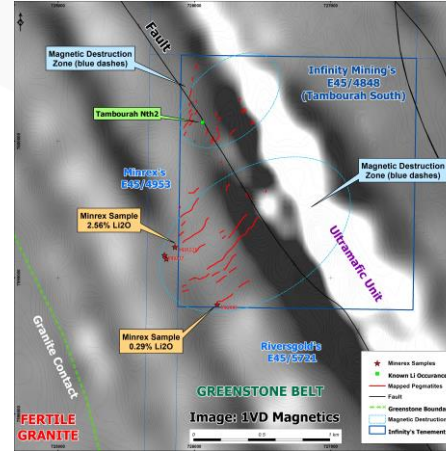


# TENEMENT PORTFOLIO

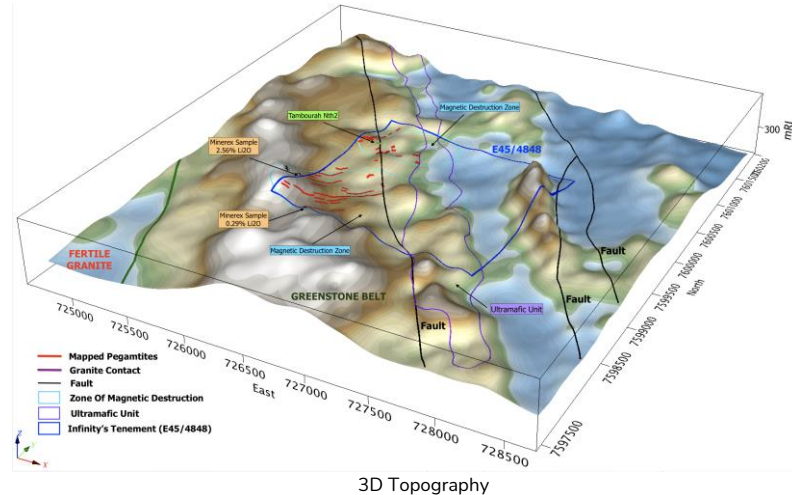
## Pilbara:

### Tambourah South

- Adjacent company with  $\text{LiO}_2$  results on Infinity's boundary.
- Recent mapping/soils/rock sampling have the LCT and REE mineralised pegmatites running east across both tenements.
- Topographic relief varies up to 70m.
- Surface exposure of pegmatites controlled by topography and faulting.
- Tenement bounded by MinRex to the west and Riversgold to the South.
- Programme of Works approved, and drilling planned for Q3 2022.



Magnetic Image with Topography Contours





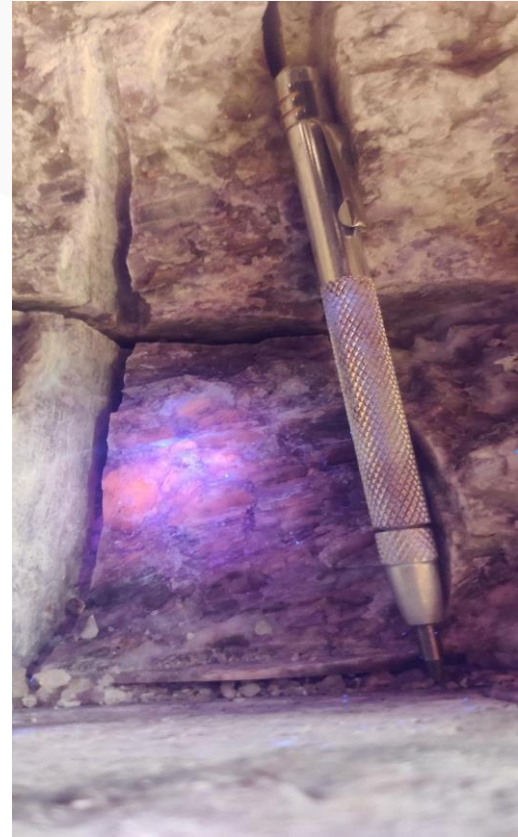
# TENEMENT PORTFOLIO

## Pilbara:

Tambourah South



Lithium mineralisation (Spodumene)

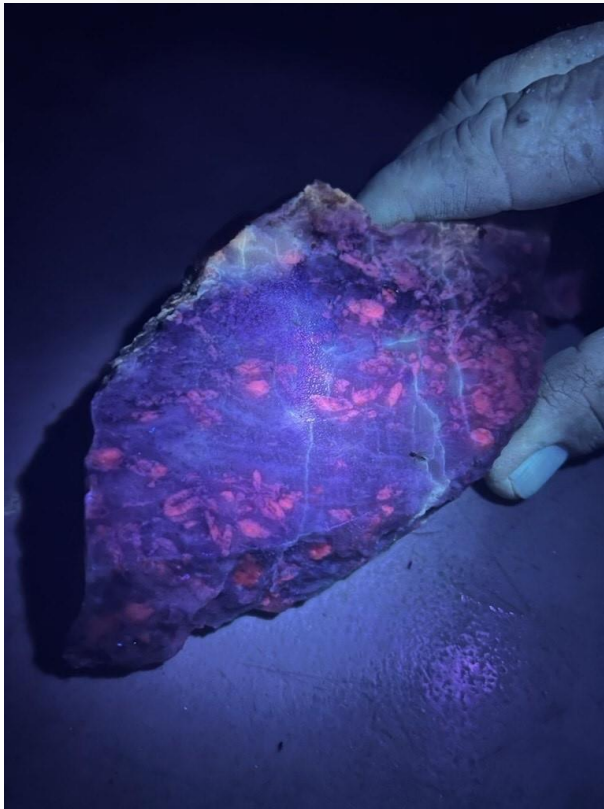


Lithium mineralisation fluorescing

# TENEMENT PORTFOLIO

## Pilbara:

Tambourah South

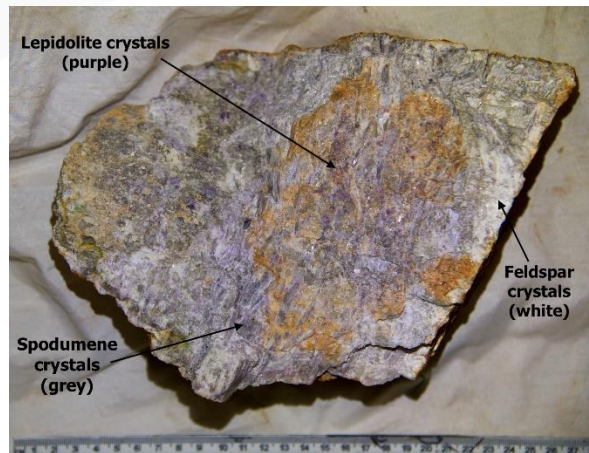


Tambourah South lithium mineralisation from surface pegmatite, under blue light

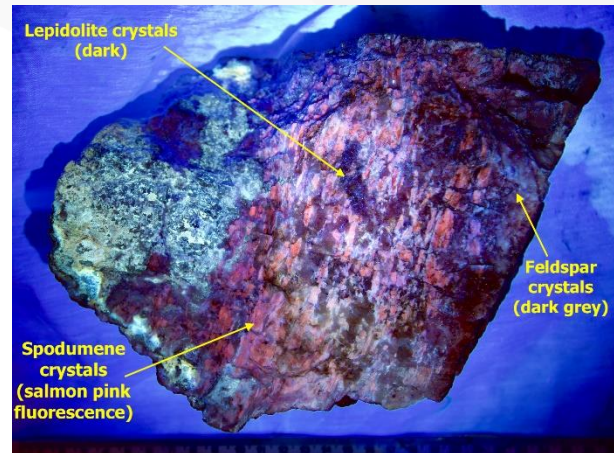
# TENEMENT PORTFOLIO

## Pilbara:

Tambourah South



Tambourah South specimen under white light



Tambourah South specimen under UV light

## Introduction to

# East Pilbara Targets

## Hillside Central and East

### PILBARA EXPLORATION

### **Hillside – gold, copper, cobalt & nickel**

Drill-ready target

- A heliborne SkyTEM electromagnetic survey programme across two large prospects covering 127 km<sup>2</sup> was undertaken in 2018 to define high priority EM targets
  - The survey identified 18 high priority bedrock conductors. All anomalies correlate with historic gold workings, surface copper and gold geochemical anomalies, magnetic anomalies or fault systems.
  - Samples assayed in 2019 returned strongly anomalous grades for base metals and gold from several locations, including eight samples returning copper values over 1% with a peak of 18.8% and often accompanied with elevated gold, silver and zinc values (+/- cobalt).

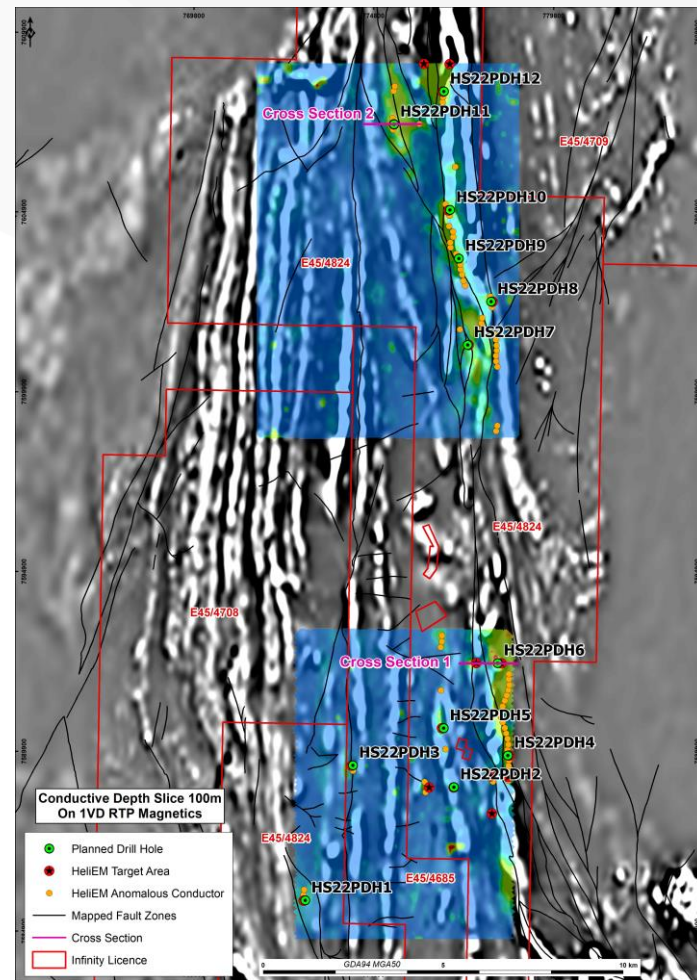


# TENEMENT PORTFOLIO

## Pilbara:

### Hillside

- Infinity's SkyTEM Helicopter electromagnetic (EM) survey initially identified 18 high-priority EM conductive anomalies, which may represent massive-sulphide accumulations containing copper, nickel and gold.
- The SkyTEM data was recently re-interpreted by Infinity, with 9 of the highest-priority targets selected for drill testing.
- Rock chip and soil geochemical surveys carried out by Infinity at Hillside returned anomalous Cu-Ni-Au results, which have upgraded the priority status of some of the EM targets.
- One of the rock chip samples returned 7.08% Cu and two further rock chip samples returned 30.25 ppm Au and 21.89 ppm Au.
- Planning has begun to drill test the 9 high-priority SkyTEM targets during 2022.



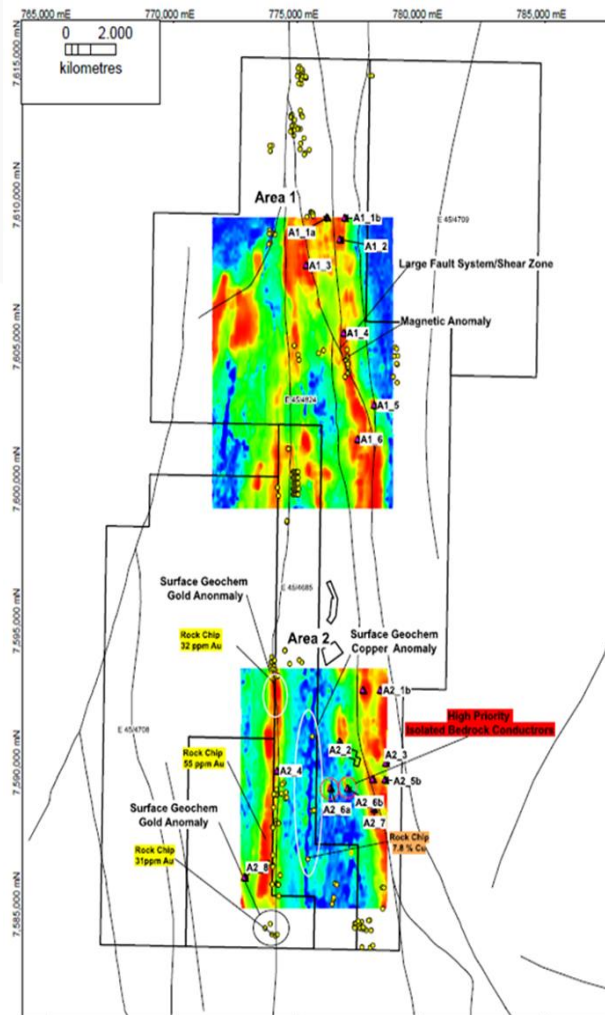
Hillside SkyTEM survey area (colour image) on regional magnetic image (black and white), showing EM targets and proposed drill holes in green.

# PILBARA EXPLORATION

## Hillside – gold, copper, cobalt & nickel

Drill-ready target

- Detailed soils and rock sampling program was completed in 2021 across target gold and base metals areas and the results from this program correlated strongly with the geophysical anomalies.
- During 2022 the further interpretation of the geophysics has identified hidden deep (+ 200m) targets that are now ready for drilling.
- PoW applications have been approved for a late-2022 RC drilling program of the 13 key target areas
- A further airborne survey is underway to cover the entire Greenstone terrain.

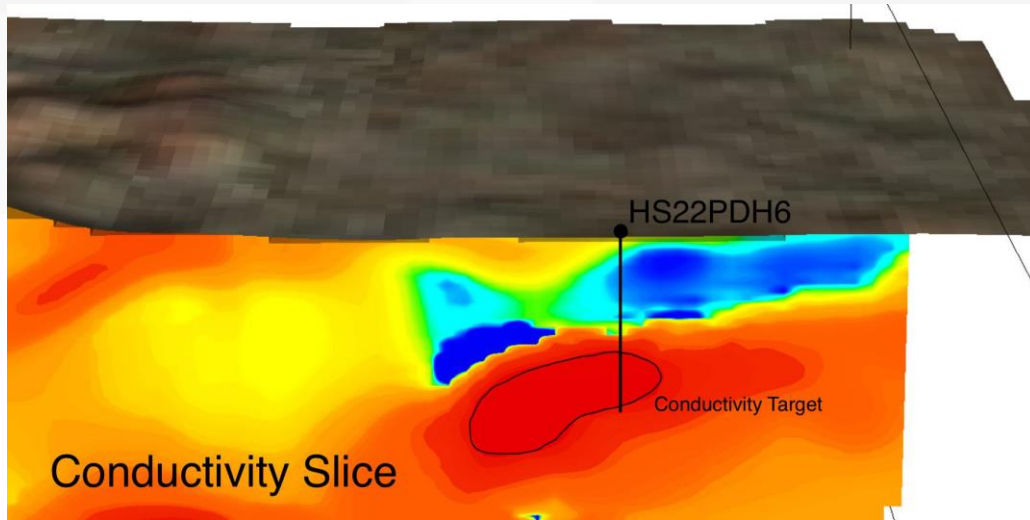


# PILBARA EXPLORATION

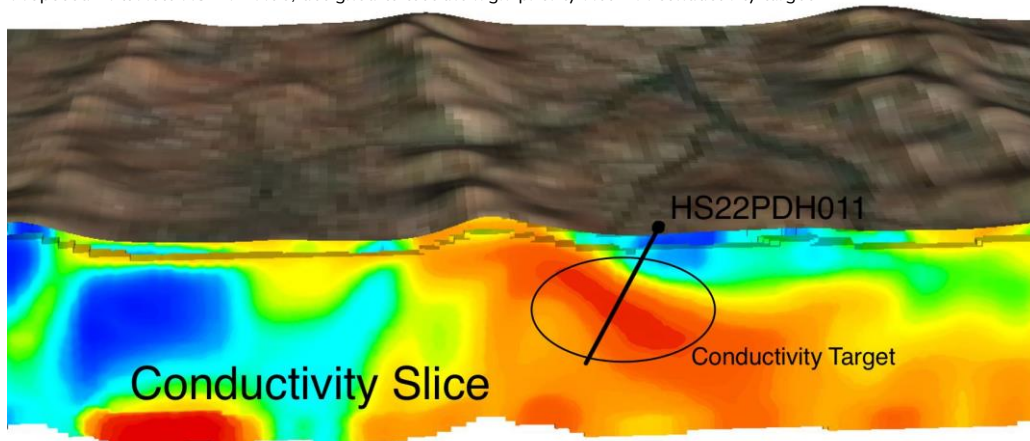
## Hillside

Gold, copper & prospective  
for nickel

Testing for conductivity  
targets



Proposed Drill Hole HS22PDH06, designed to test the high-priority Heli-EM conductivity target.



Proposed Drill Hole HS22PDH011, designed to test the high-priority conductivity target.

# PILBARA EXPLORATION

## Panorama & Bonnie Scot, and Noreena Downs

Gold, copper & prospective  
for nickel

Conglomerate gold 15km  
strike zone

- A Sulphur Springs target in the west of the Panorama tenement; historically some exploration was reported in the south looking for nickel.
- Historic exploration (1969-1971) identified as the Brisbane Nickel Prospect . The best result from the costean sampling produced a 6,319ppm Ni sample.
- In the east of the tenure, two sub parallel horizons host potential for “gold in conglomerate” stratigraphy similar to that identified elsewhere in the Pilbara region by Canadian company Novo Resources



Conglomerate



Outcropping pegmatite in foreground showing lepidolite mineralisation at surface



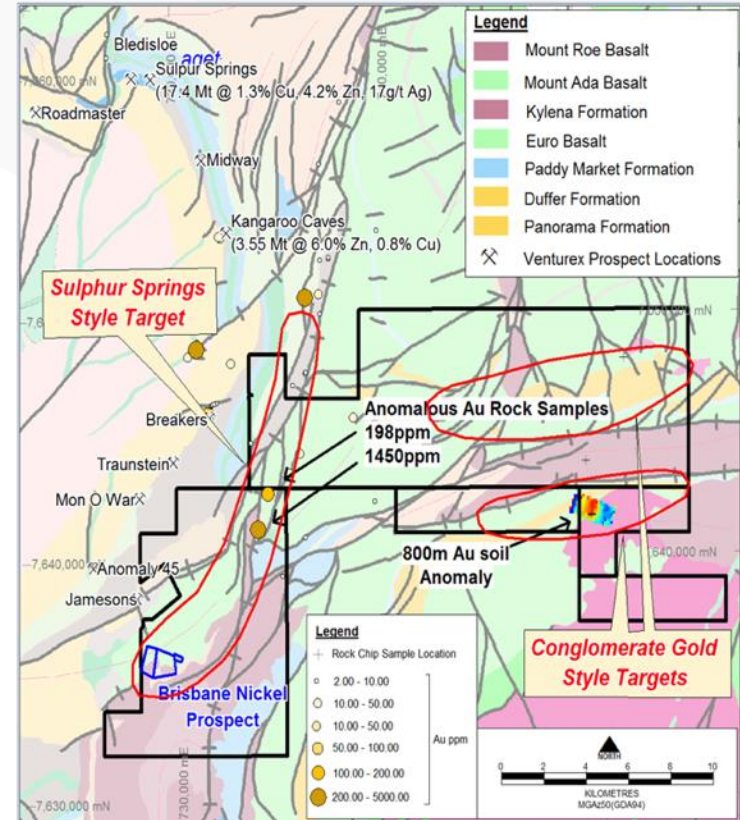
# PILBARA EXPLORATION

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- In the east of the tenure, two sub parallel horizons host potential for “gold in conglomerate” stratigraphy similar to that identified elsewhere in the Pilbara region by Canadian company Novo Resources.
- The main exploration targets at Panorama are Precambrian placer gold deposits. This tenement has the potential to contain lithium-bearing pegmatites.



Panorama geology

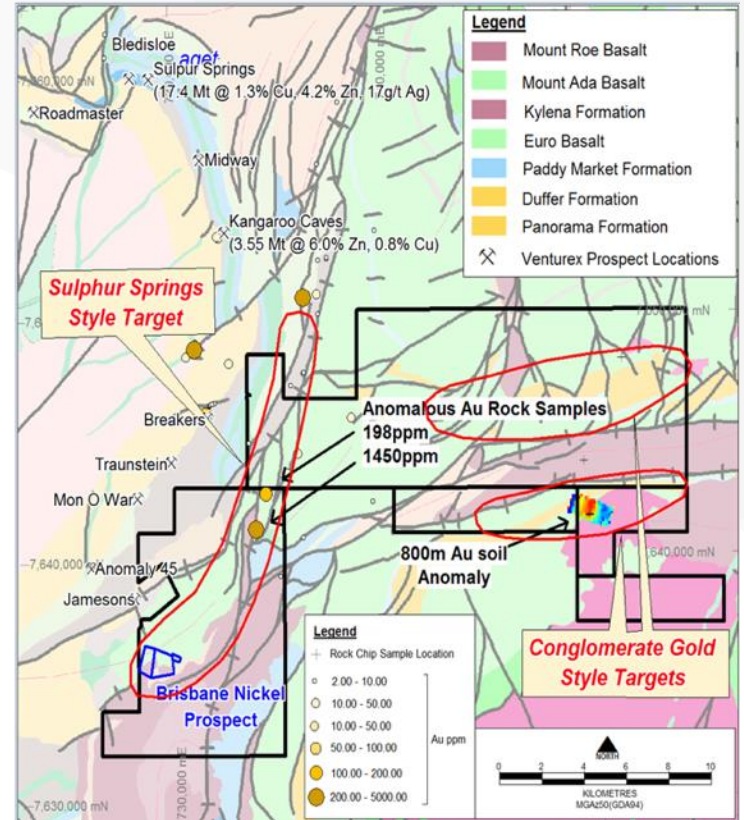
# PILBARA EXPLORATION

## Panorama & Bonnie Scot, and Noreena Downs

Gold, copper & prospective  
for nickel

Conglomerate gold 15km  
strike zone

- A large pegmatite extending over 300m has been located at Noreena Downs. To date, there has been no extensive exploration for lithium at Noreena Downs.
- The areas occupy ideal geological settings for the pegmatite outcrops to be located and are within 10km of fertile monzogranites, and this area may be the target of further exploration activity for lithium.



Panorama geology

Introduction to

# Central Goldfields

## Historic mines

Total area of 13.81km<sup>2</sup> comprising two Mining Leases, seven Prospecting Licences (four under conversion, including Victor Bore), and one Exploration Licence.





# TENEMENT PORTFOLIO

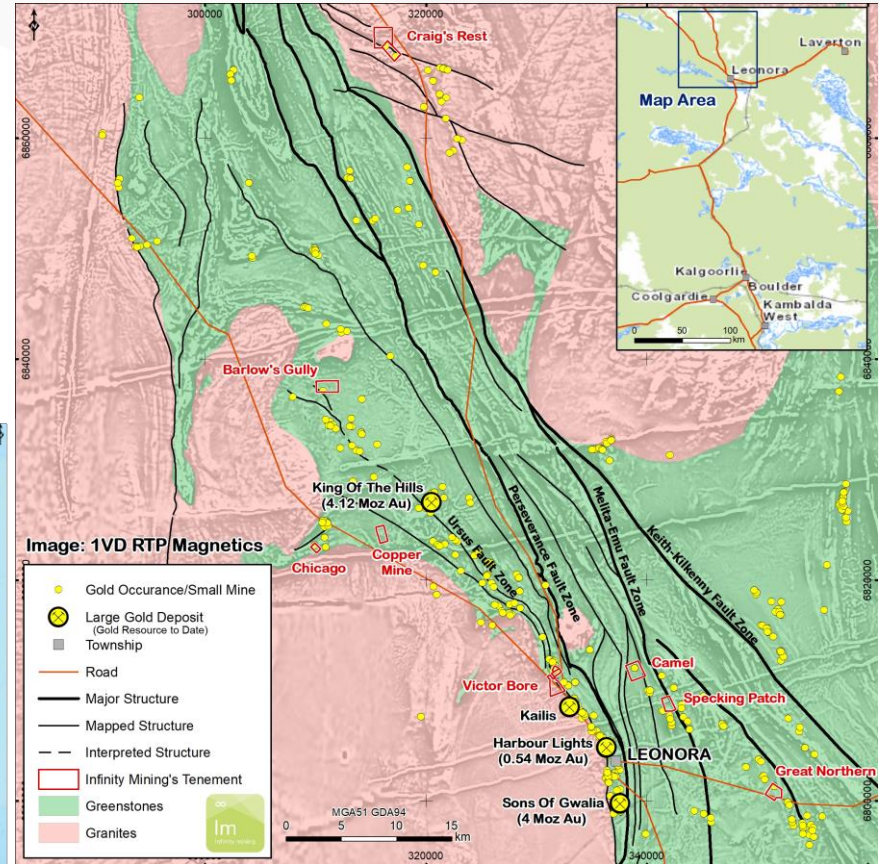
Host to deposits of gold, base metals and nickel hosted within greenstone belts and granite intrusives.

Project tenements are considered prospective for intrusive-hosted and greenstone-hosted deposit types.

All project areas have historic gold workings on site.

## Key regional Gold Mining processing:

- Sons of Gwalia
- Jasper Hill
- King of the Hills
- Tarmoola
- Thunderbox



Location map showing Infinity's Central Goldfields Projects



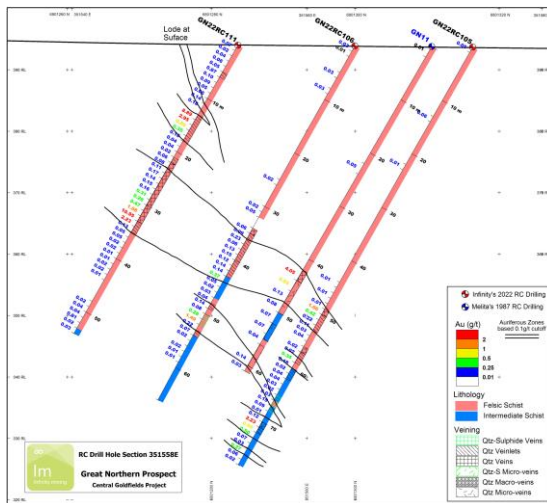
# CENTRAL GOLDFIELDS EXPLORATION

## Great Northern Mine

Historic gold production  
20x Kalgoorlie Pit

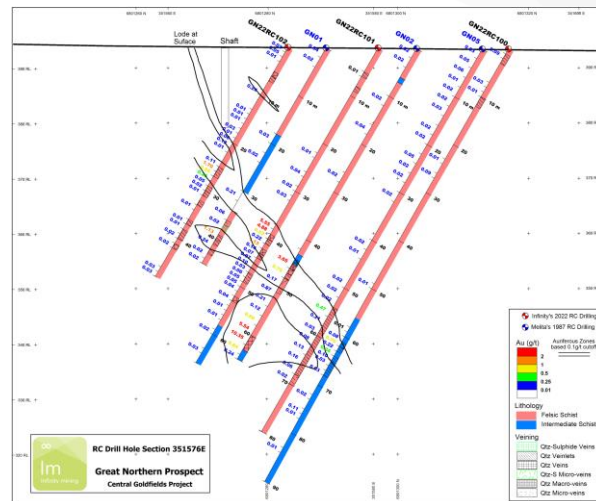
Re-confirm JORC resource

- The workings are on a strike of approximately 80 metres long and steeply dip to the north-east.
- Recorded production from this area spans three separate phases totalling 460 tonnes for ~356oz @21.9g/t.
- In 1987/88 Melita Mining drilled a series of RC holes. Results are contained in report A25349.



Drilling Intersected  
Gold Structures

New resource  
statement pending



# CENTRAL GOLDFIELDS EXPLORATION

## Great Northern Mine

Historic gold production  
20x Kalgoorlie Pit

Re-confirm JORC resource

- Several holes intercepted gold grades up to 26.4g/t but none of these holes had collar coordinates.
- The drilling was not carried out on a recognizable grid. A cross sectional inferred resource was calculated to be 18,300 tonnes @ 4.5g/t. This equates to ~2,600 oz.

Drill Hole	Length	Gold Grade	From
GN22RC101	5m	2.48 g/t	37m
<i>includes</i>	2m	5.22 g/t	37m
GN22RC102	3m	0.83 g/t	25m
GN22RC103	2m	1.41 g/t	51m
GN22RC105	3m	0.77 g/t	49m
GN22RC105	3m	1.21 g/t	70m
GN22RC106	3m	0.66 g/t	51m
GN22RC107	3m	1.44 g/t	49m
GN22RC107	1m	0.68 g/t	53m
GN22RC108	3m	2.87 g/t	34m
<i>includes</i>	1m	7.78 g/t	35m
GN22RC109	2m	1.27 g/t	47m
GN22RC110	3m	0.70 g/t	28m
GN22RC111	4m	3.25 g/t	13m
<i>includes</i>	1m	8.89 g/t	13m
GN22RC111	4m	3.68 g/t	30m
<i>includes</i>	1m	10.95 g/t	32m



# CENTRAL GOLDFIELDS EXPLORATION

## Craig's Rest

Ready for  
development,  
surface mine  
and treat

- Katalina Mining Pty Ltd 1987 RC drilling 27 (GW001-027) for a total of 50 metres. The drilling was conducted over 10 metre line spacings; significant intersections.
- During 2000, Tarmoola Australia Pty Ltd completed a Percussion Rotary Air Blast and RC drilling program.
- Craig's Rest tenement hosts an historic resource of 15,000 tonnes @2.96 grammes per tonne for ~1,432 ounces of gold.



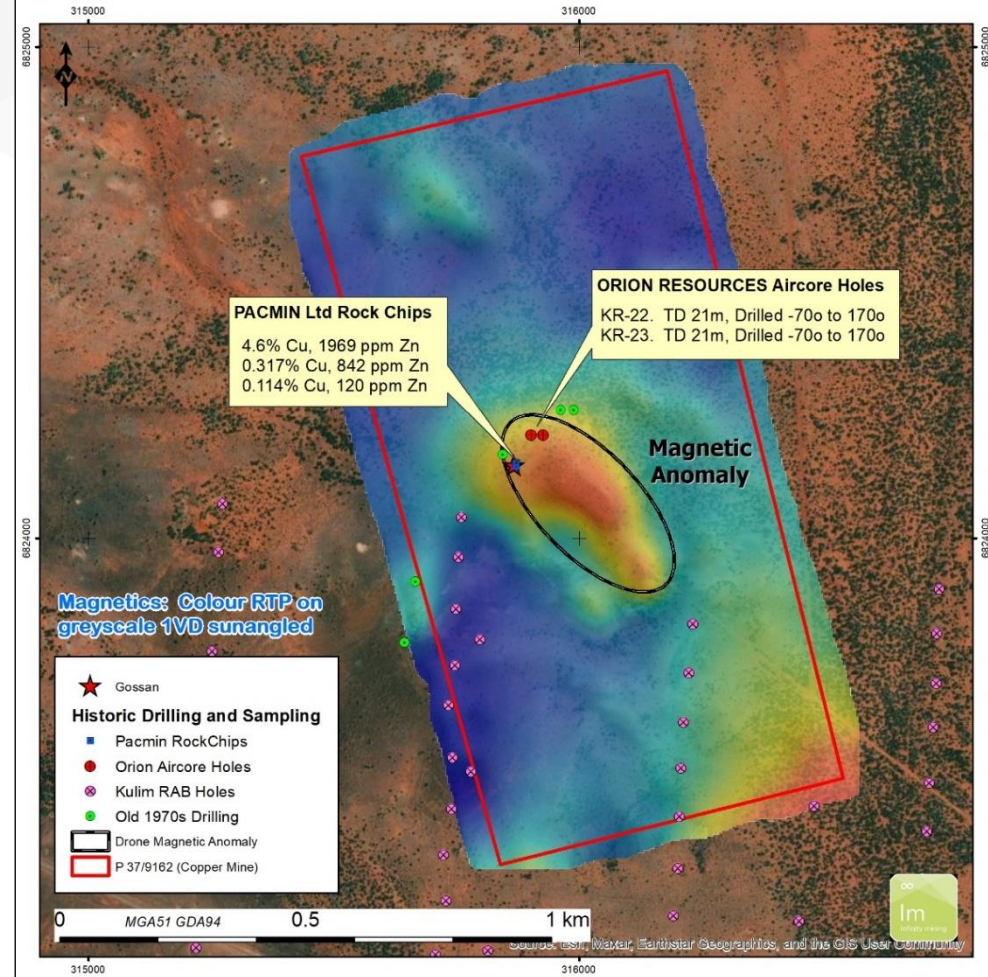


# CENTRAL GOLDFIELDS EXPLORATION

## Coppermine

High grade  
copper potential

- A drone magnetic survey was recently flown by Infinity at the Coppermine Project in the Central Goldfields, WA, revealing a 350m long magnetic high target beneath historical copper workings.
- Recent rock chip sampling at Coppermine returned up to 2.06 % Cu, 3791 ppm Zn and 0.33 ppm Au, coincident with the magnetic high target, which upgrades this target.
- The magnetic high target at Coppermine could be associated with buried VMS-style copper mineralisation and is a high priority for further follow-up exploration, including RC drilling.



Coppermine Project area (P37/9162) showing a RTP drone magnetic image draped over a Google Earth image and location of historical drilling and anomalous rock chip samples.

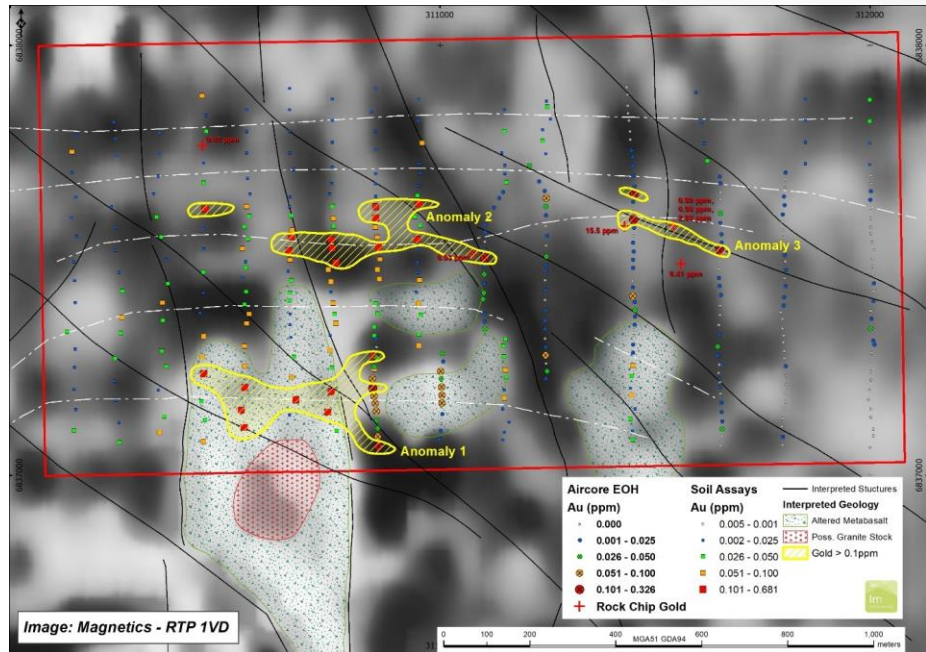


# CENTRAL GOLDFIELDS EXPLORATION

## Barlow's Gully

Significant gold anomalies

- Rock chip sampling at the Barlow's Gully Gold Project in the Central Goldfields has returned up to 15.5 ppm Au.
- Subsequent aircore drilling and soil sampling across the Barlow's tenement has defined three significant gold targets - the largest being 480 x 100 m in area.
- The three soil/aircore anomalies contain anomalous levels of gold up to 0.681 ppm Au.
- RC drilling is planned in the next few months to test these high-priority geochemical targets.



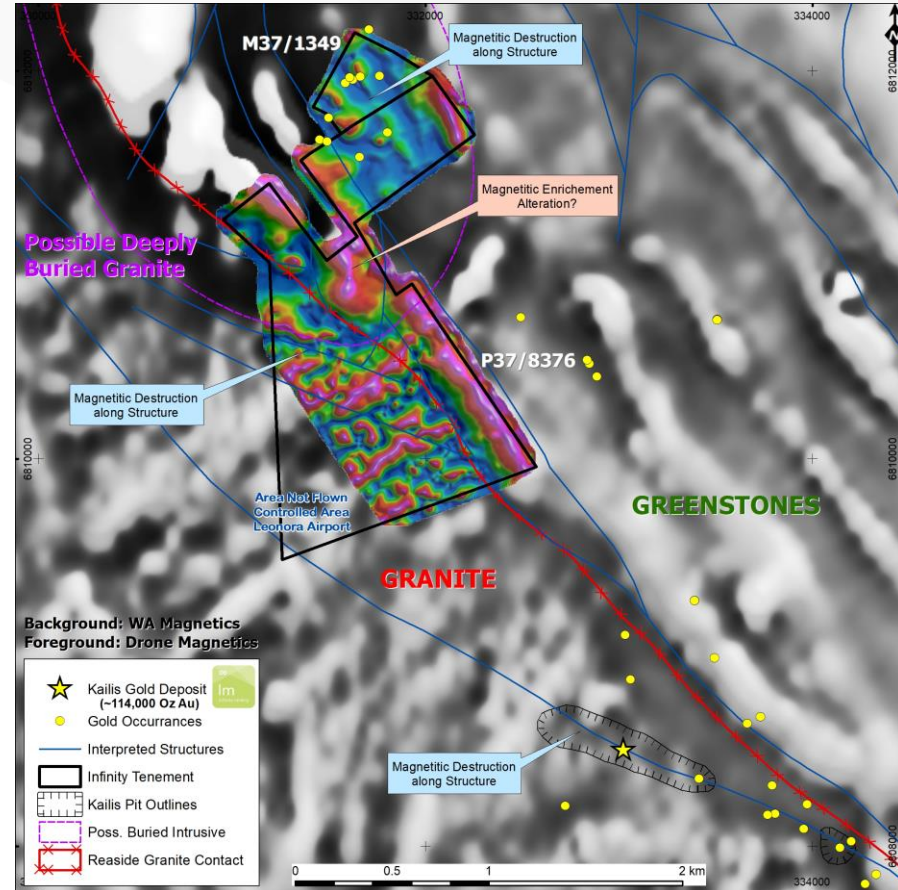
Aircore and Soil Sampling Results for gold – Barlow's Gully showing 3 significant gold anomalies >0.1 ppm Au.

# CENTRAL GOLDFIELDS EXPLORATION

## Victor Bore

High-grade gold assays returned

- Rock chip sampling at Victor Bore, Central Goldfields has returned high-grade gold assays up to 28.4 ppm Au.
- A drone magnetic survey flown at Victor Bore has revealed multiple magnetic targets.
- Victor Bore lies less than 2km along strike from the Kailis Gold Deposit.
- The highest-priority magnetic targets at Victor Bore have been selected for further exploration work including auger soil sampling, aircore drilling and RC drilling.



Victor Bore Project area (P37/8376, M37/1349) showing drone TDR magnetic image draped over a regional magnetics

# Board & Management

**Dr Michael Kale**  
Non-Executive Director



**Joe Phillips**  
Executive Chairman



**Josephus (Joe) Groot**  
CEO and Director

**Mima Wirakara**  
Company Secretary



**Harley Groot**  
Non-Executive Director



**Cameron McCall**  
Non-Executive Director

# Technical Team



**Alec Pointon**

General Manager, Operations

Highly experience field manager with extensive knowledge of DMIRS and DPLH requirements. Experienced heavy plant operator with advanced mechanical knowledge.



**Dr Darren Hedger** (Geology)

Geologist

Highly experienced explorer, Geologist, Geochemist and Hydrogeologist. Over 30 years of extensive field experience in gold, base metals, uranium, aluminium, PGEs, nickel, lithium and REEs.



**Dr Matthew White** (Geology)

Geologist

Career geologist with over 25 years experience in Australia and the Asia-Pacific. Experience in gold, silver, copper, lead, zinc, tin, tungsten, mineral sands, vanadium, lithium, coal and manganese.



**Ron McMahon**

Marketing & Media

Highly experienced media, advertising, marketing and communications specialists with over 30 years experience across all forms of media.



