



**Update on Dargues Gold Mine and future  
exploration plans**

**Mining NSW Conference**

**27 August 2014**

**Unity Mining Limited**

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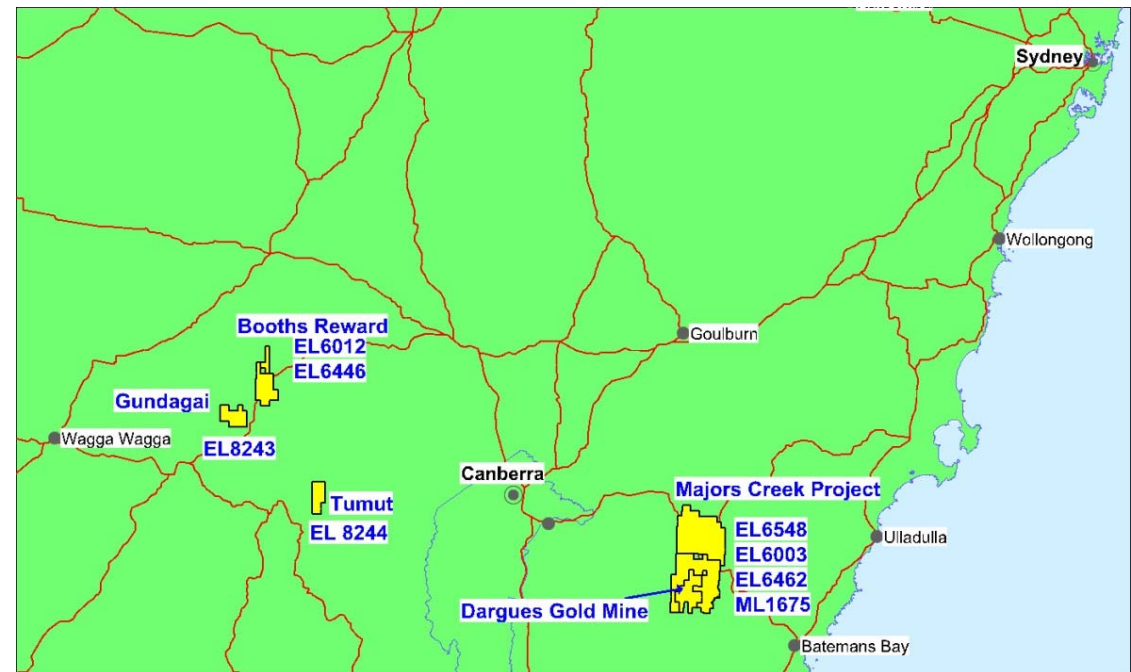
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# Outline

- Dargues Gold Mine update
- Majors Creek Project Exploration
  - Dargues Reef
  - Near Mine Exploration
  - Regional Exploration
- Booths Reward
- Conclusion

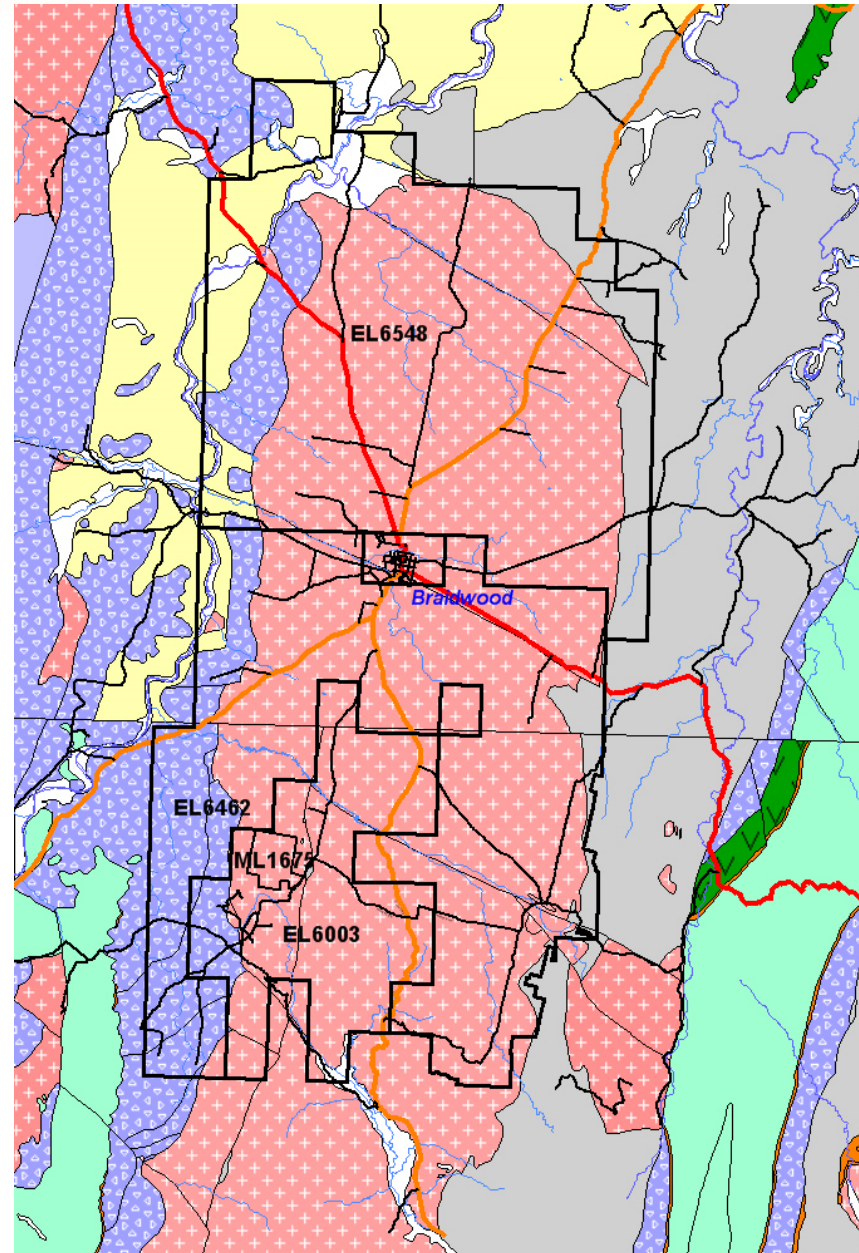


# Dargues Gold Mine Update

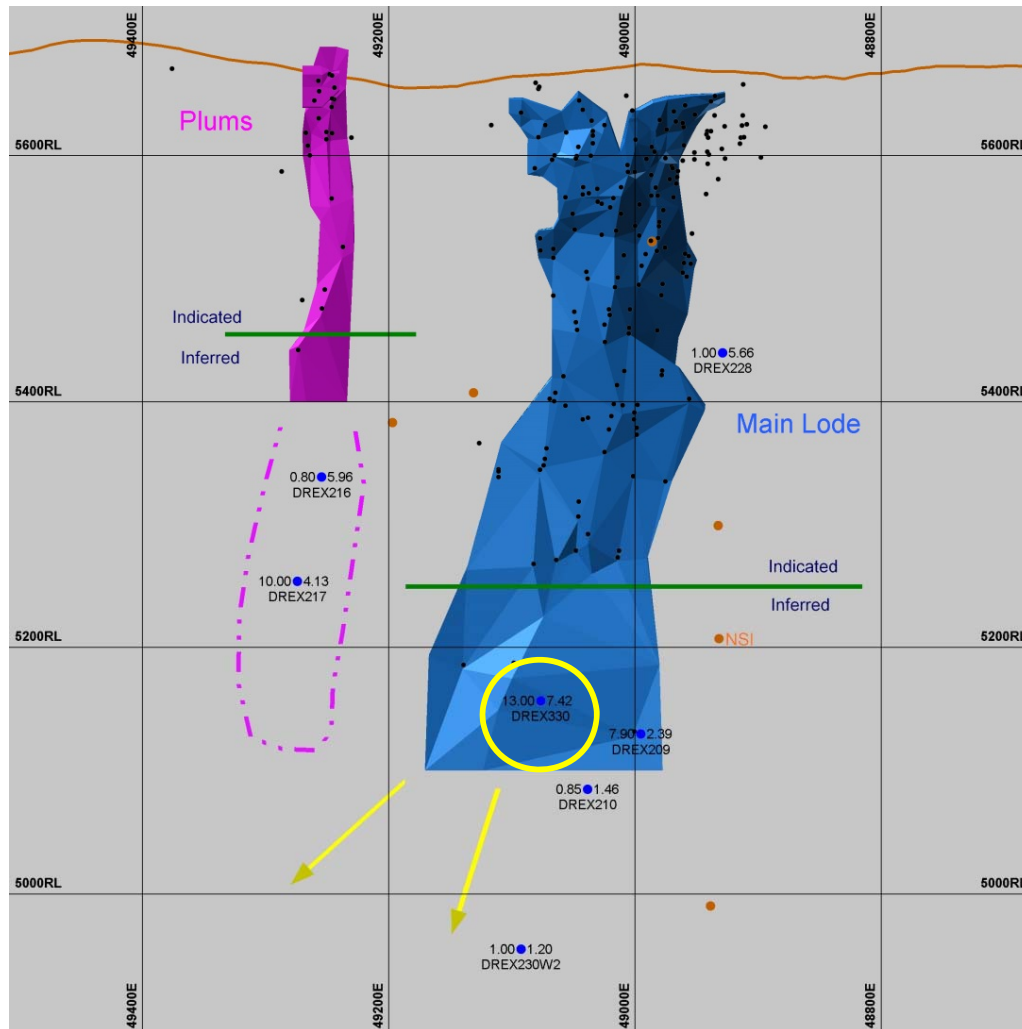
- Located approx. 60km SE of Canberra
- Planned underground mine to produce approximately 50,000oz gold pa. over an initial 5 year mine life
- Estimated cost to complete of \$70M\*, excl. targeted savings from “Project 30” initiatives of \$8.9M
- Estimated cash operating cost of \$700/oz\*\*
- Completion of engineering and optimisation studies currently underway
- Resources: 1.6Mt at 6.3g/t for 327 koz gold
- Reserves: 1.4Mt at 5.2g/t for 233 koz gold
- Deposit remains open at depth
- Preliminary earthworks complete, on care & maintenance
  - \*Assumes gold concentrate processing at Kangaroo Flat processing plant
  - \*\* Net of state royalties and silver credits



- Overview
- Dargues Gold Mine
- Majors Creek Project



# Dargues Exploration Upside



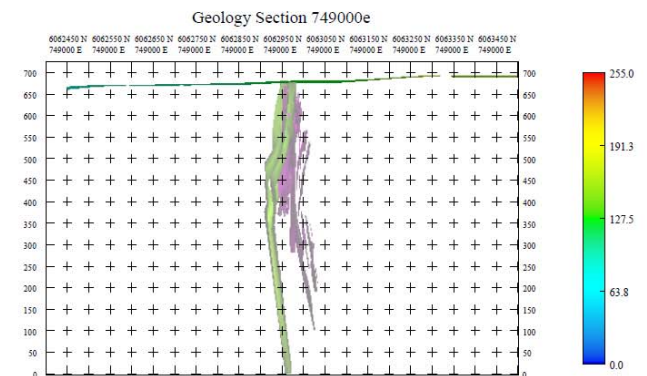
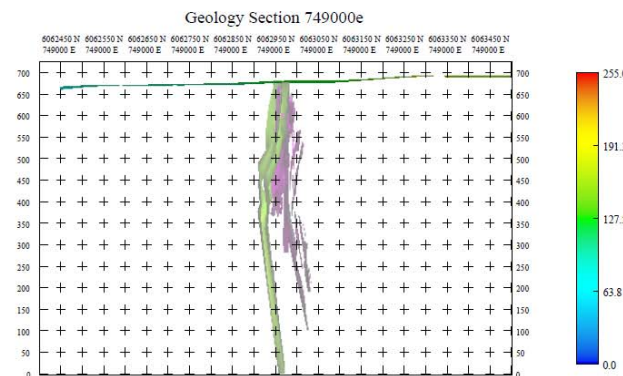
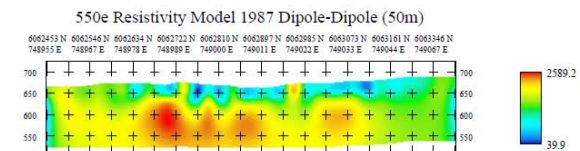
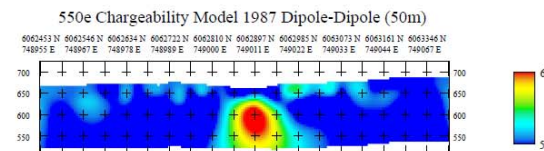
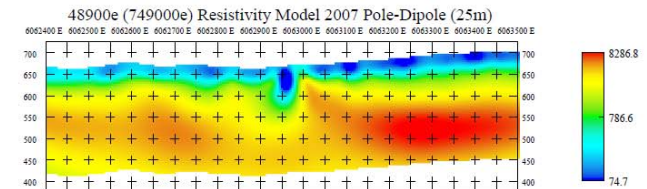
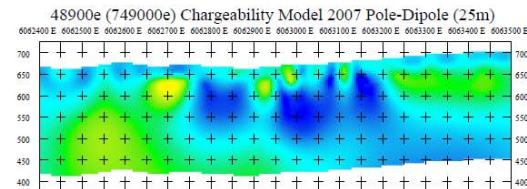
Dargues Resource Outlines

Recent drilling of the Dargues Main Lode encountered high grade mineralisation below the reserve boundary

- 13 m at 7.4 g/t, incl. 4 m at 12.8 g/t gold
- Potential down dip on Main Lode and Plums to increase resource

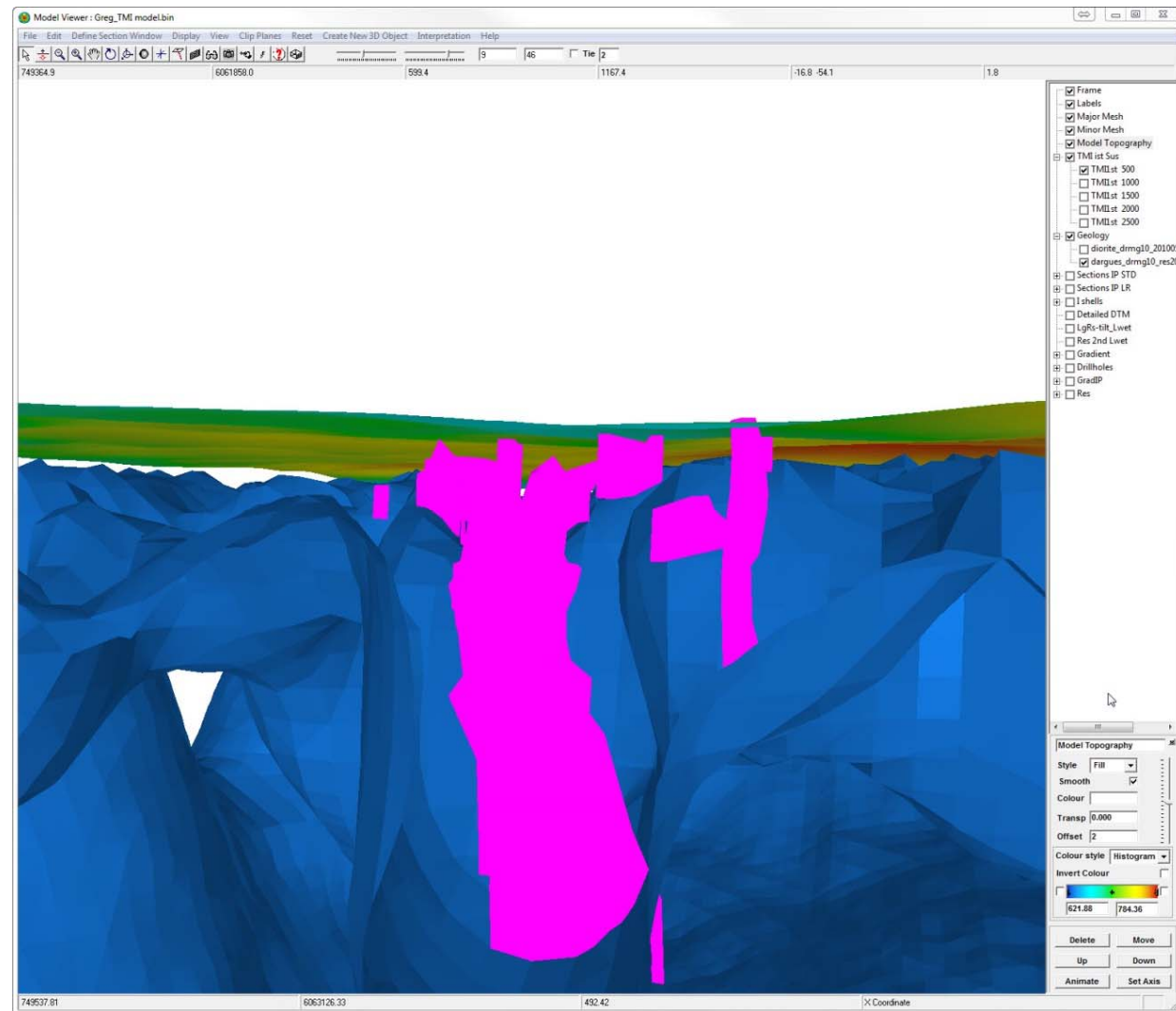
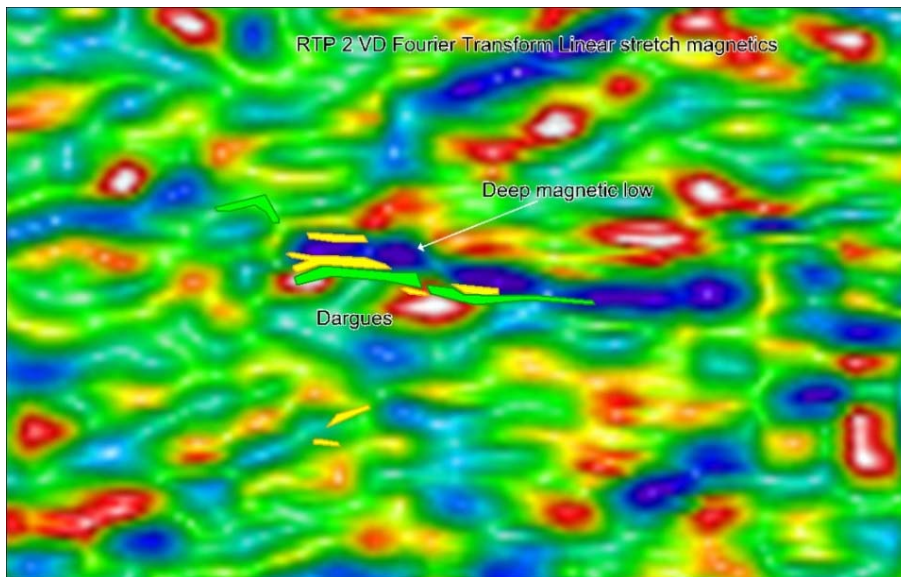
# Dargues Geophysics

- IP
- Never comfortable with results of 2007 pole-dipole IP
- Reprocessed 1987 dipole-dipole
- Dargues shows up as a strong chargeability anomaly
- Which is what you would expect from disseminated sulphide mineralisation

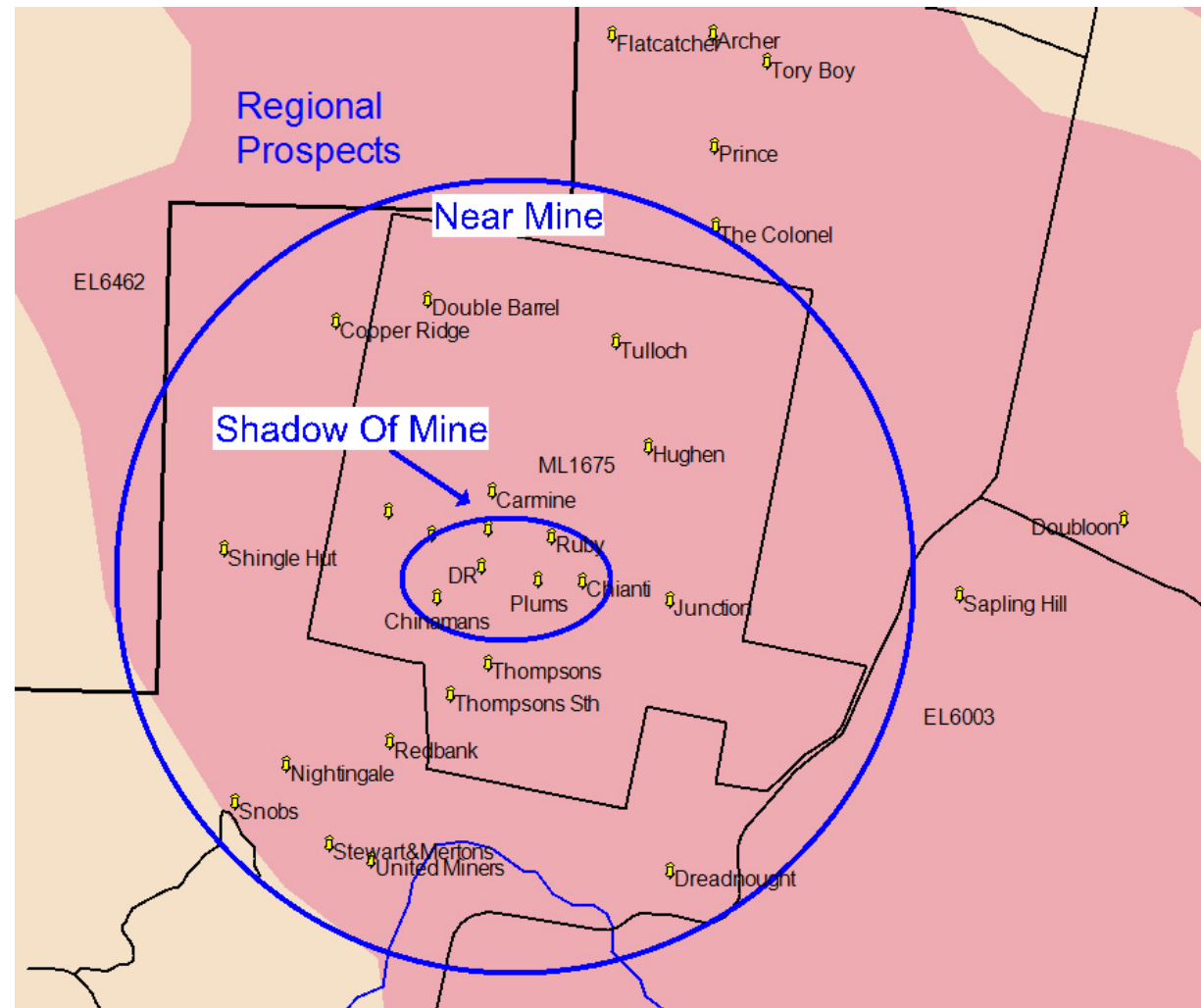


# Dargues Geophysics

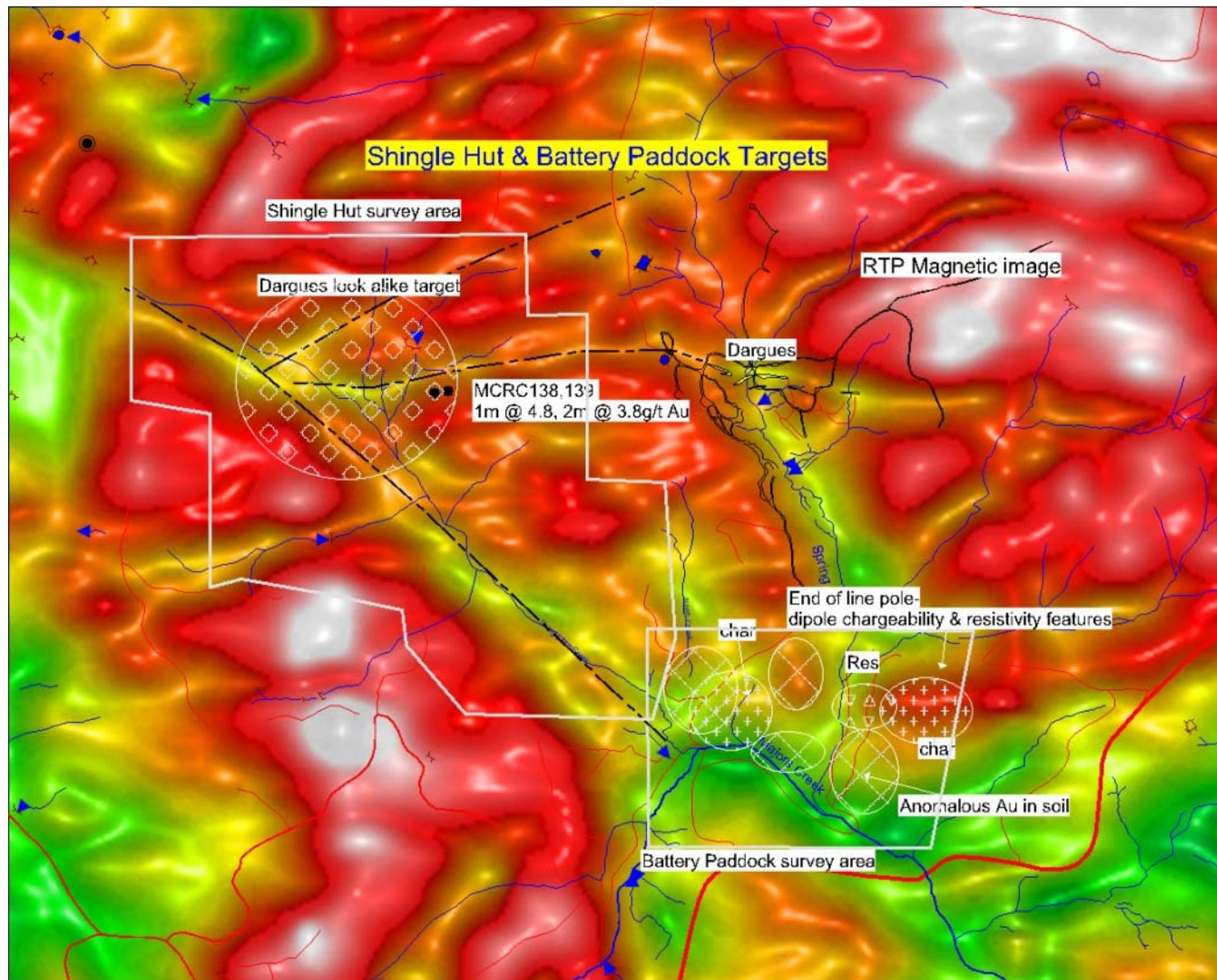
- Magnetics
- Re processing and 3D modelling shows very deep mag low associated with mineralisation



- Overview
- Dargues Gold Mine
- Majors Creek Project
- Near Mine Exploration



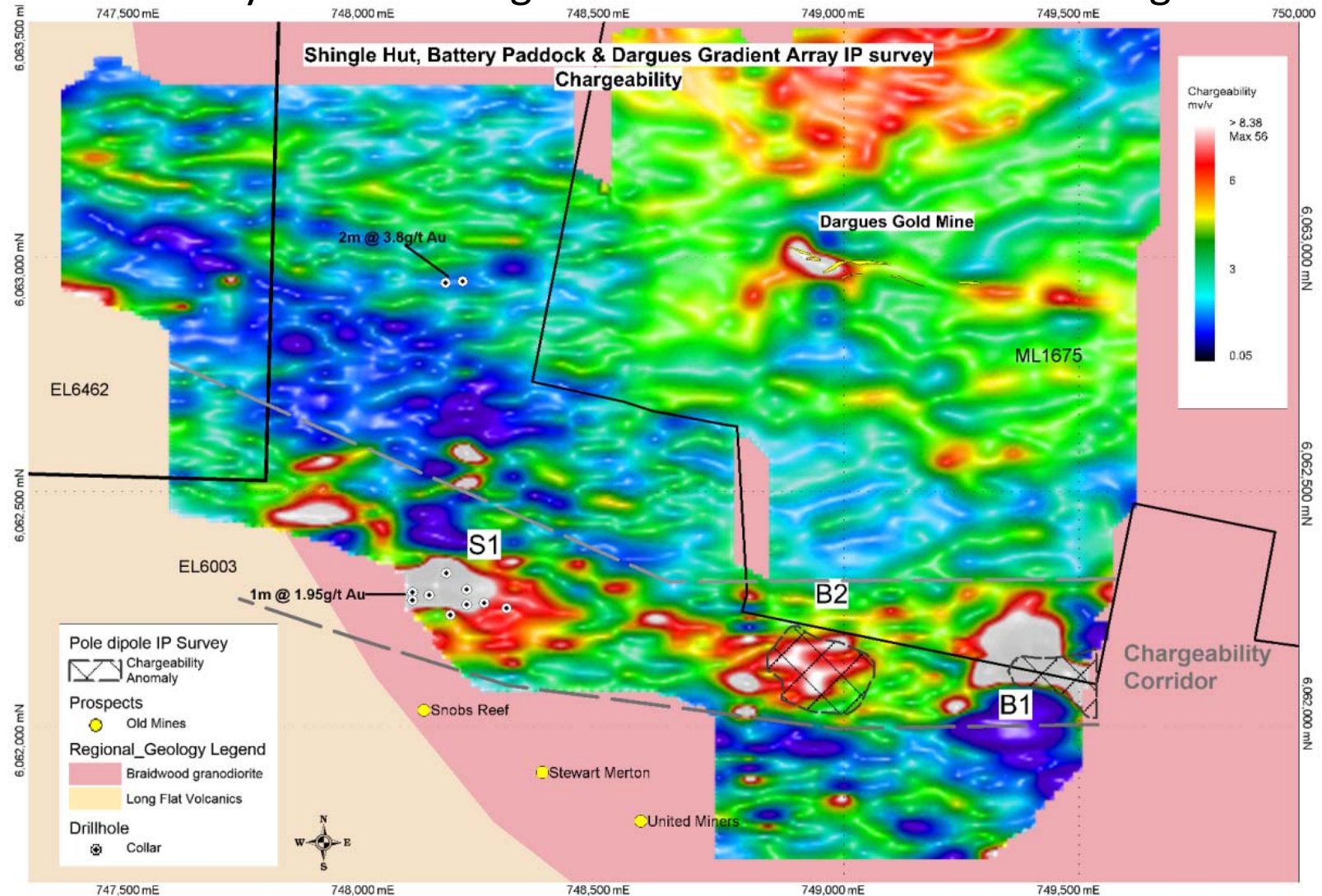
# Targets



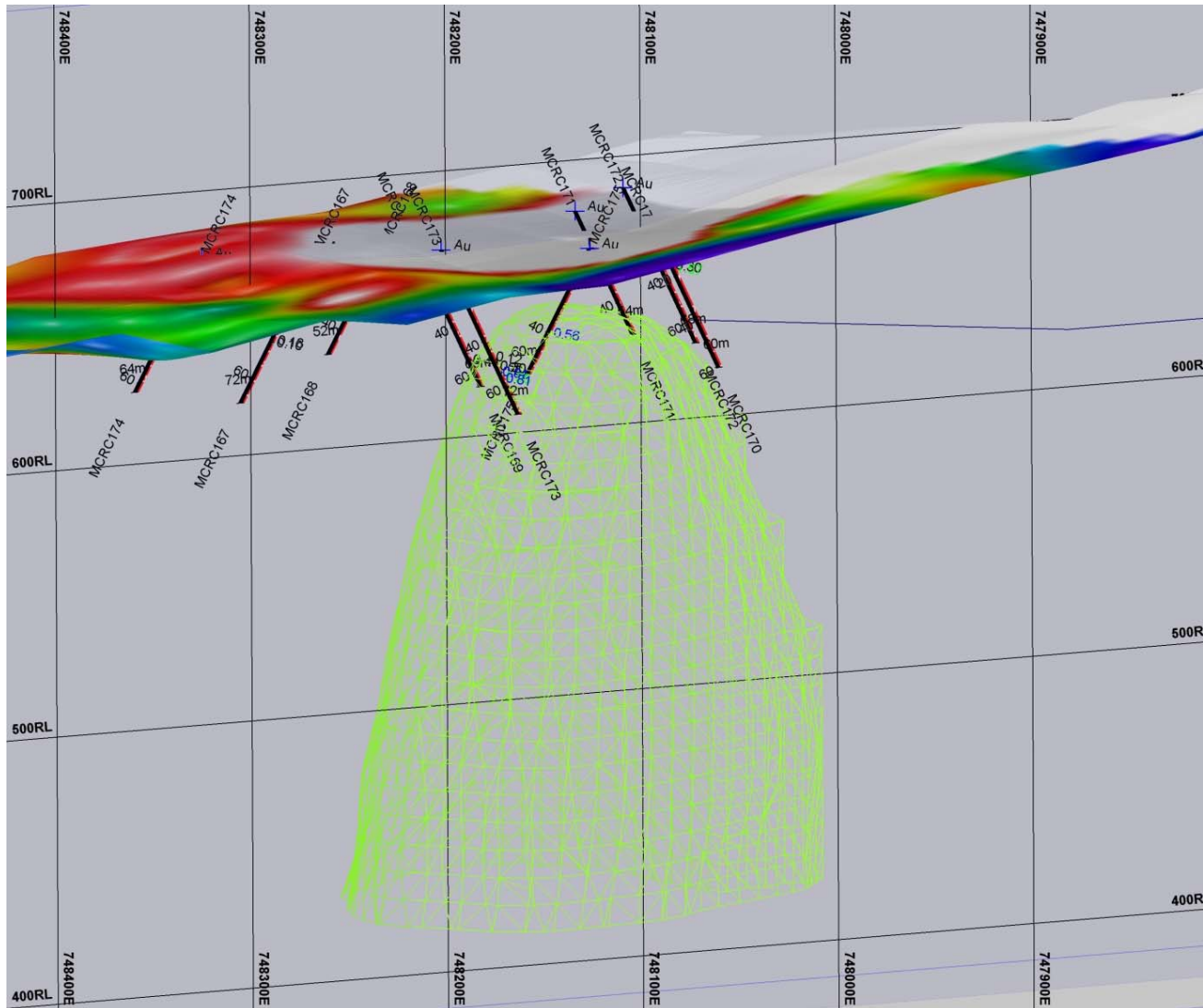
- Targets are either
- IP chargeability anomalies
- deep magnetic lows
- Dargues look alike structures
- Anomalous soil or rock samples

# Geophysics

- Completed Gradient Array IP to test targets to the south and west of Dargues

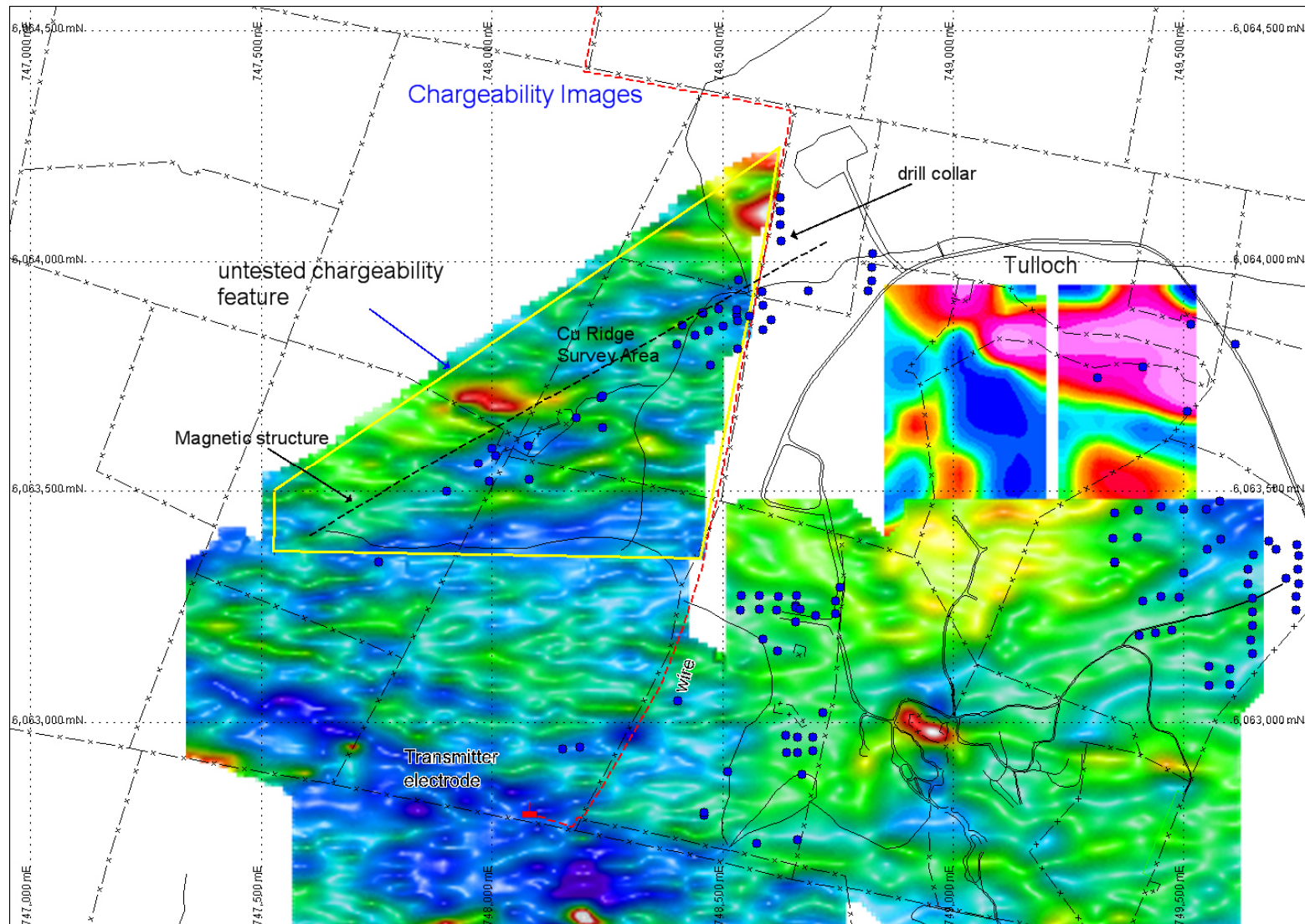


# Anomaly S1

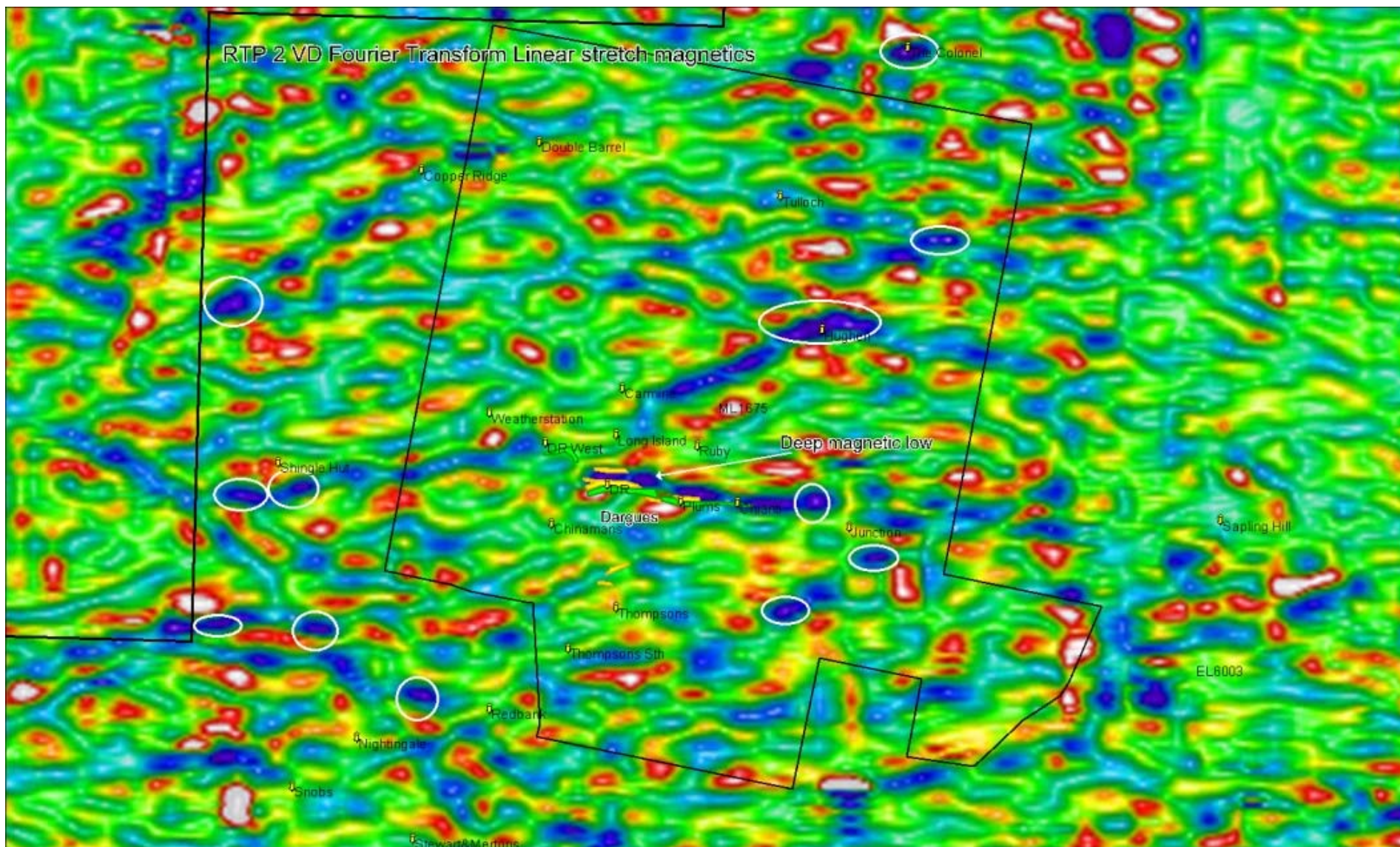


- Previously shallow drilled based on soils & mag
- 1m @ 1.95 g/t Au
- 0.4% Cu, 0.6% Pb, 0.6% Zn, 1125ppm Sb, 36ppm Ag, 6% S (pyrite)
- Hallmarks of Majors Creek style mineralisation.
- Drilling only tested top

# Latest IP results for Cu Ridge Prospect



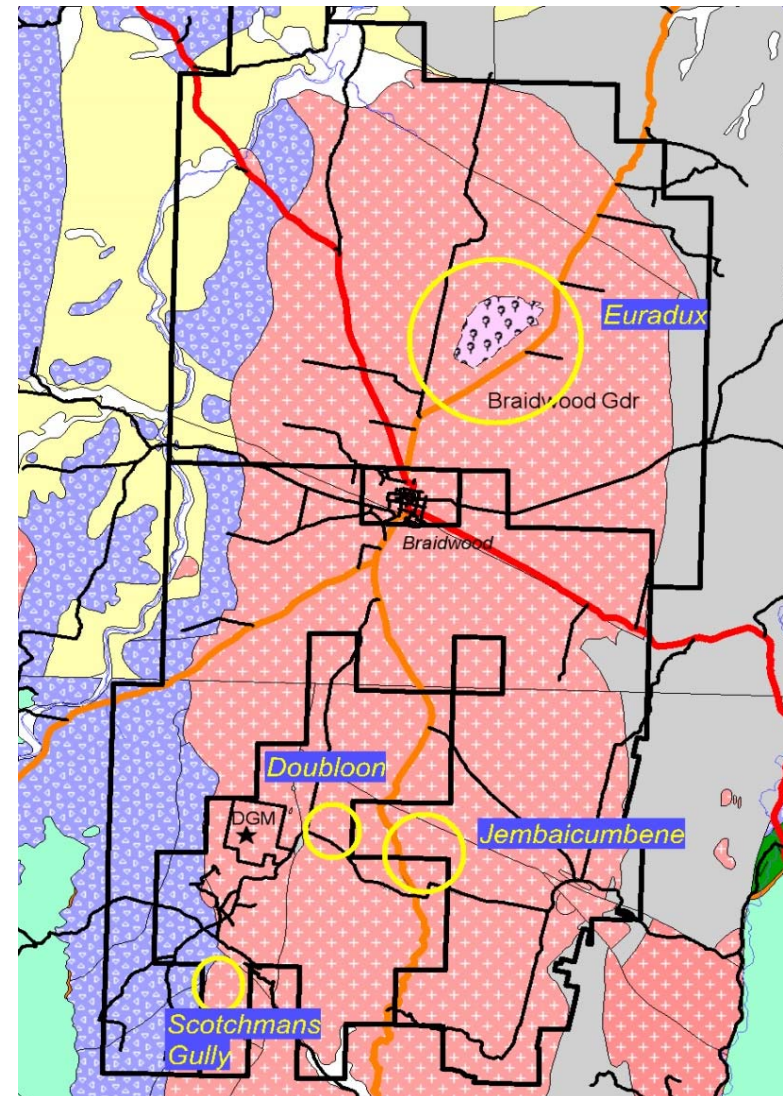
# Geophysics – Mag Targets



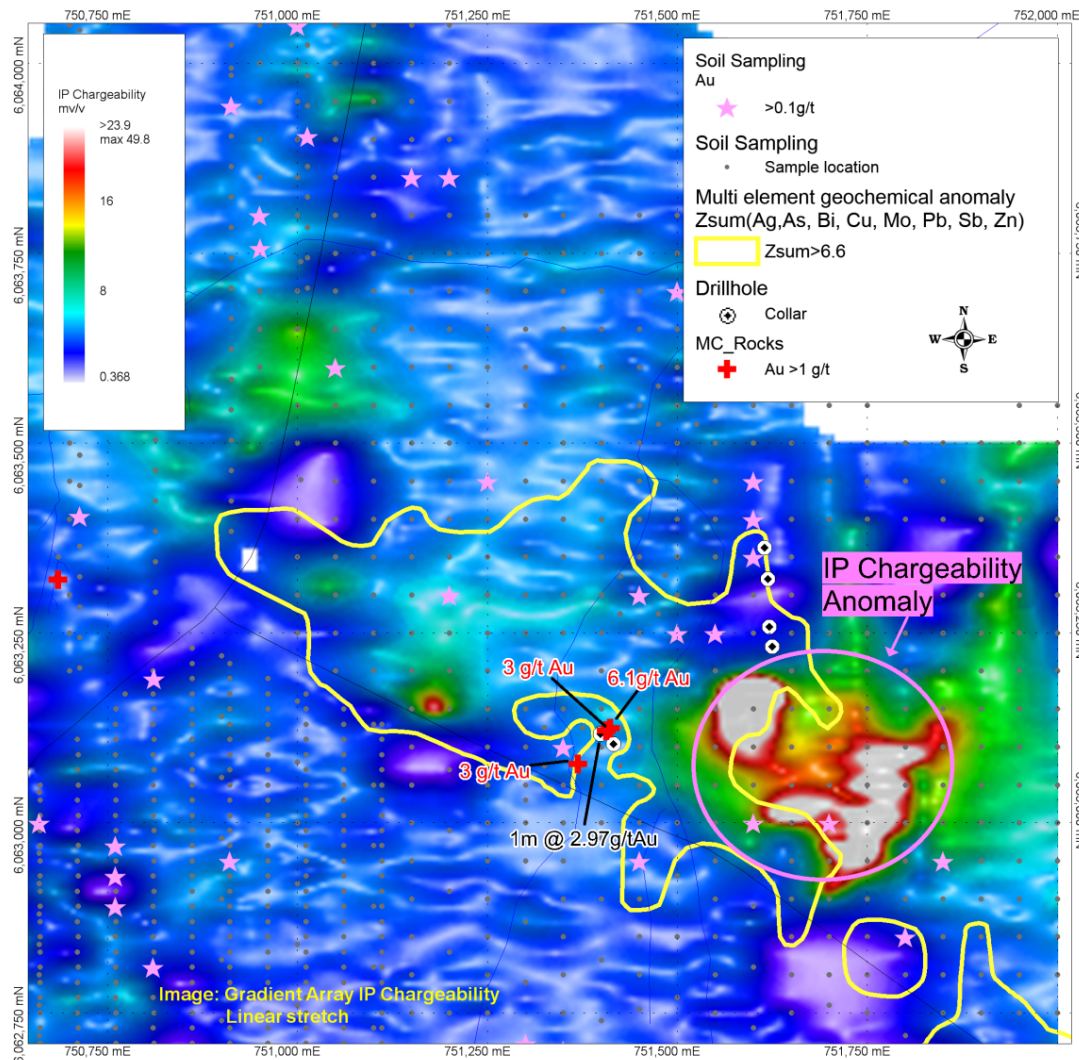
- Overview
- Dargues Gold Mine
- Majors Creek Project
- Near Mine Exploration
- **Regional Exploration**

# Regional Exploration Results

- Recent soil sampling campaign on regional prospects yielded encouraging results.
- Doubloon- multi element soil geochemical anomaly, mag structures, alluvial Au
- Jembaicumbene – soil sampling testing source of alluvial Au
- Euradux – Multi element soil anomalies, E-W mag structures, late stage Euradux granite
- Scotchmans Gully- old workings, reprocessed IP, shallow drilling

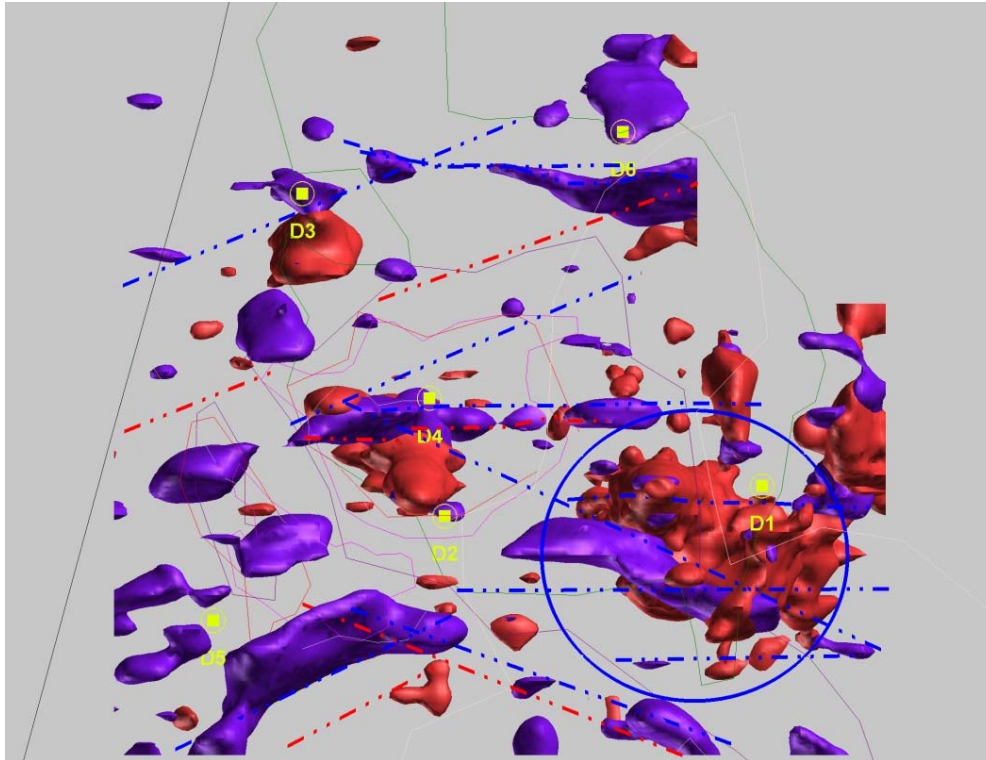


# Doubloon

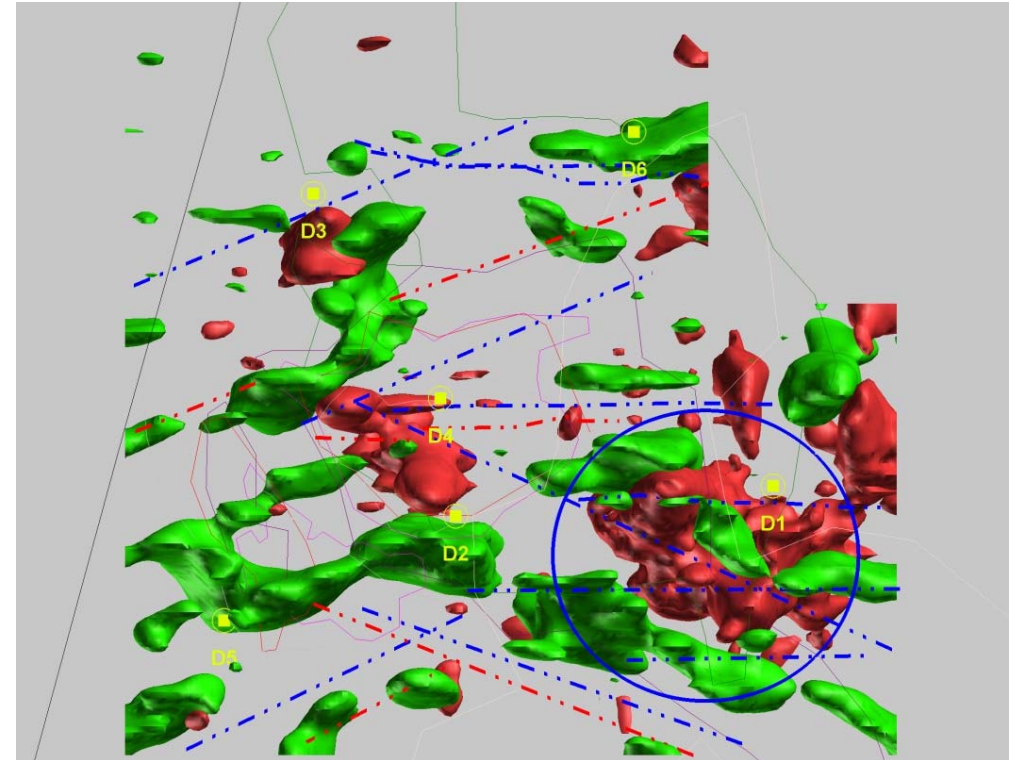


- Anomalous multi element soil and rock samples
- Gradient Array IP
- Very strong complex Chargeability anomaly
- Testing source of Au in alluvial workings

# Doubloon



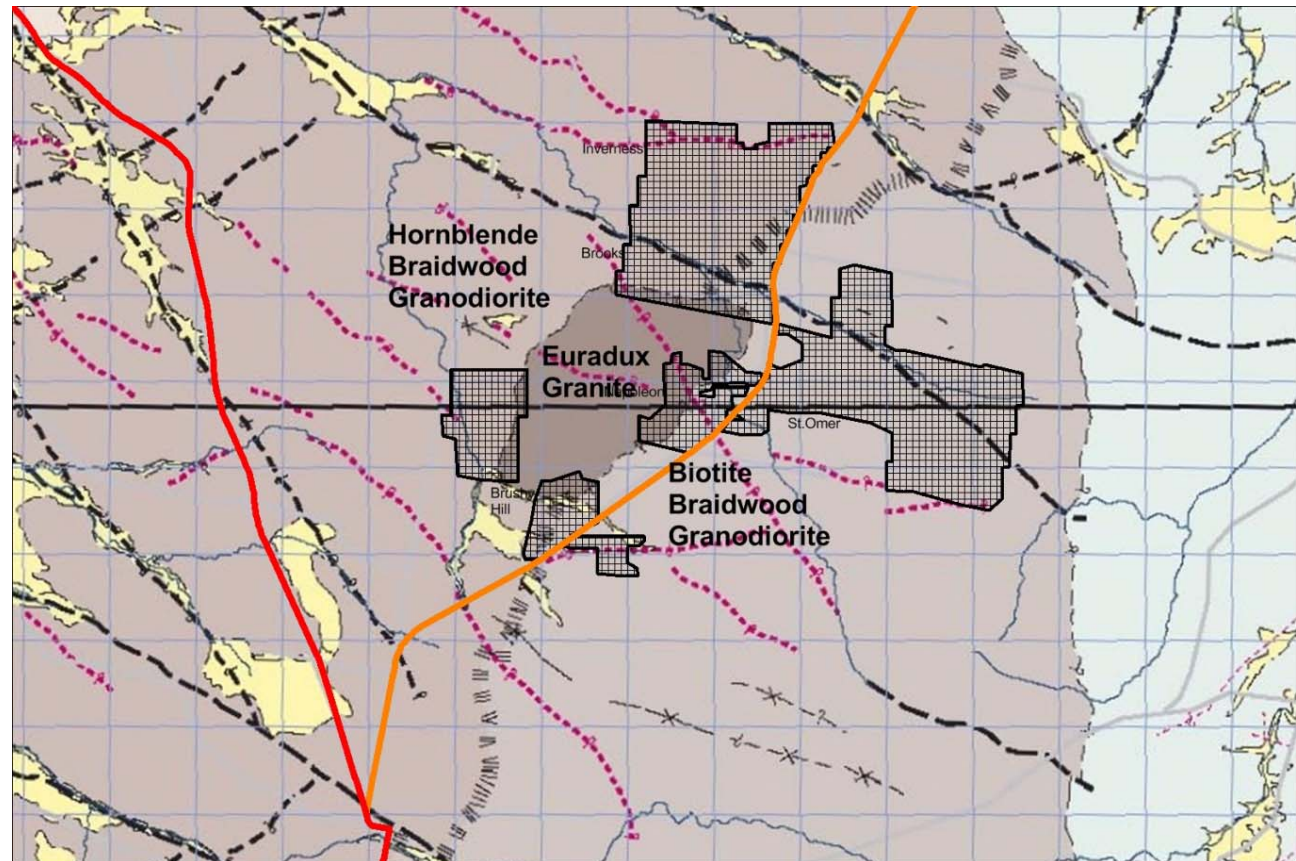
High chargeability – Red  
 Low resistivity- purple  
 Interpreted structures from IP



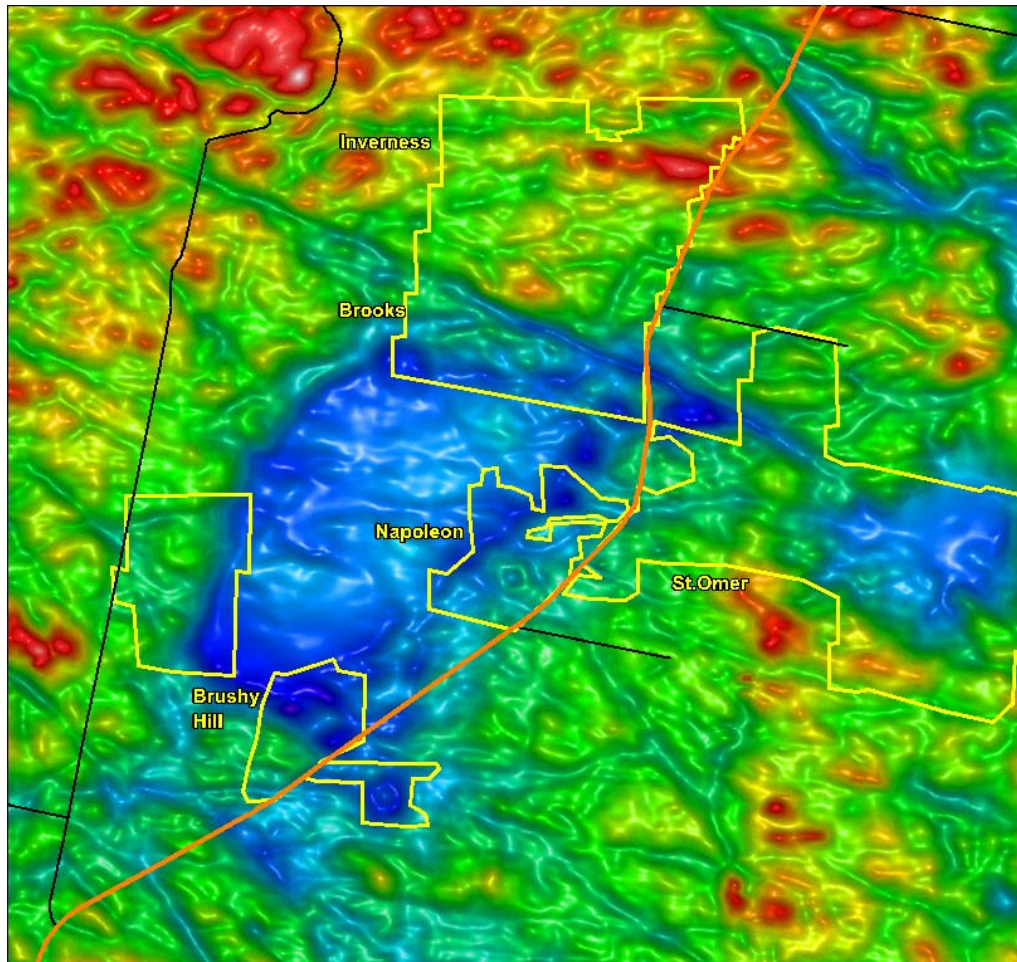
High chargeability – Red  
 High resistivity- green  
 Interpreted structures from IP

# Euradux

- 10km Nth of Braidwood
- Low magnetic, late stage Euradux Granite
- E-W Structures
- Napoleon prospect
- Dykes
- Soil sampling
- Anomalous Geochemistry

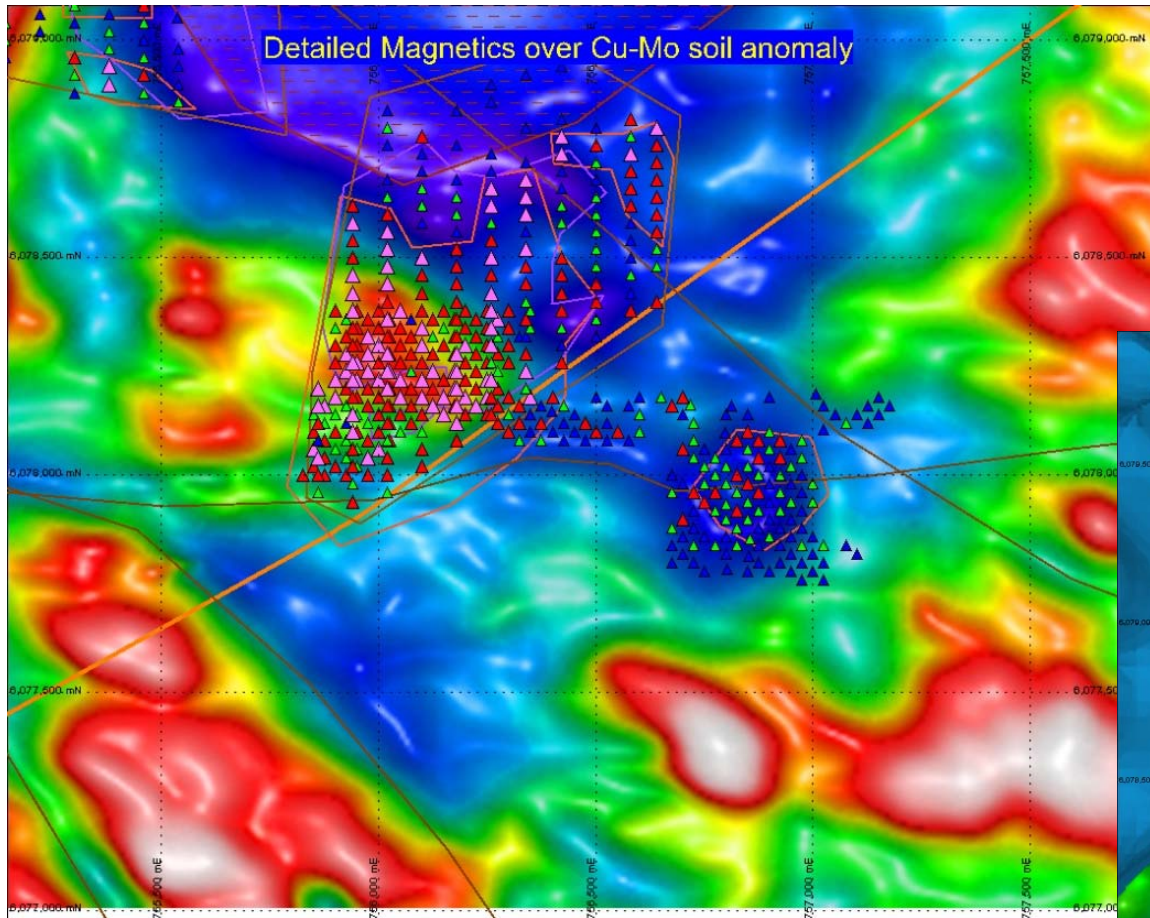


# Euradux

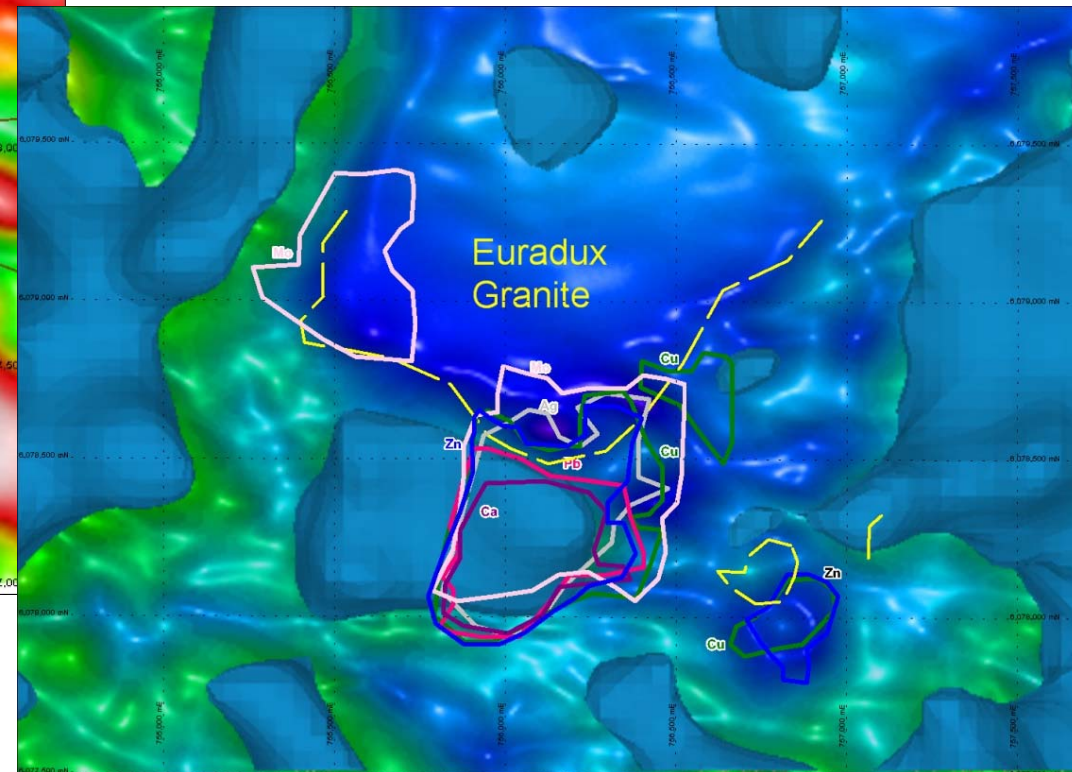


- Napoleon
  - 6.22g/t and 4.46g/t Au rock chips.
  - drill holes - quartz veining. 1m at 0.62g/t gold, 0.9% Cu, elevated Ag, Mo, Pb, Zn, Sb, Bi
- Elevated Cu, Bi, Mo, Sb, Ag, Zn in soils around Euradux Granite
- There is a lot happening around Euradux

# Brushy Hill Cu-Mo soil anomaly

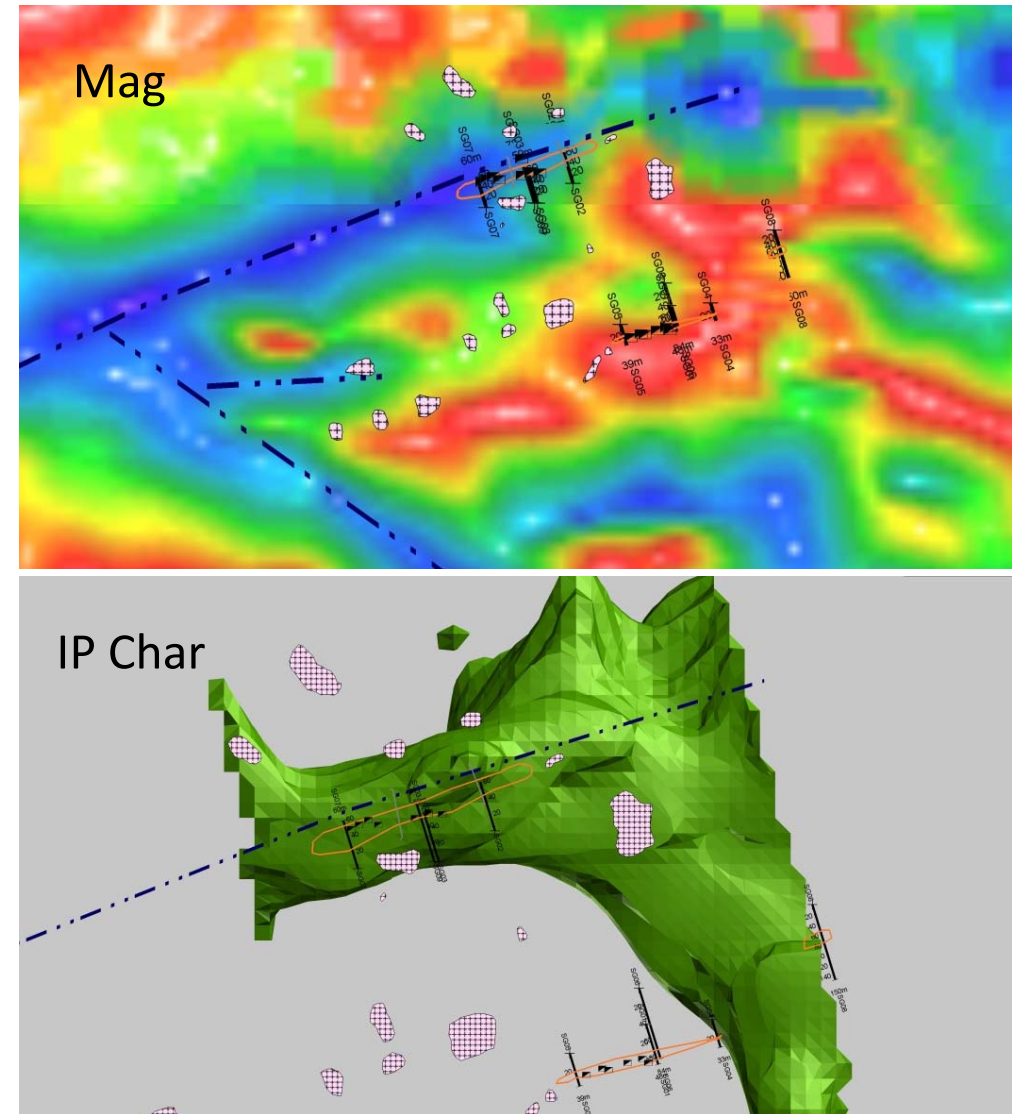


- Anomalous Cu, Mo
- Elevated Ag, Pb, Zn, Sb



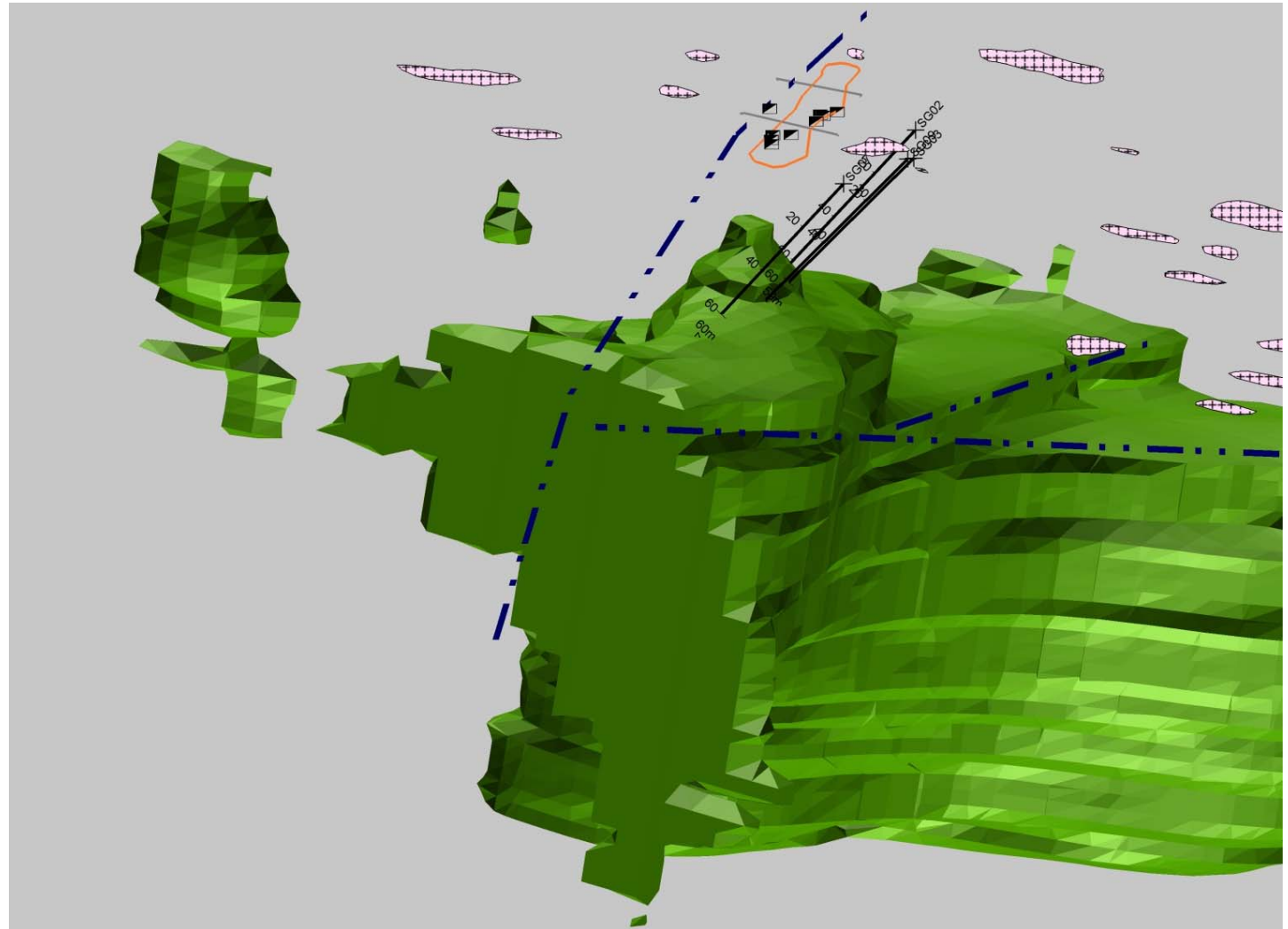
# Scotchmans Gully

- 5km south of Dargues
- Historic mining
- Dipole-dipole IP – reprocessed
- Shallow drilling
- Silica-py alteration in drilling
- Low grade Au up to 2g/t
- Deep mag low
- Dargues look alike structure



# Scotchmans Gully

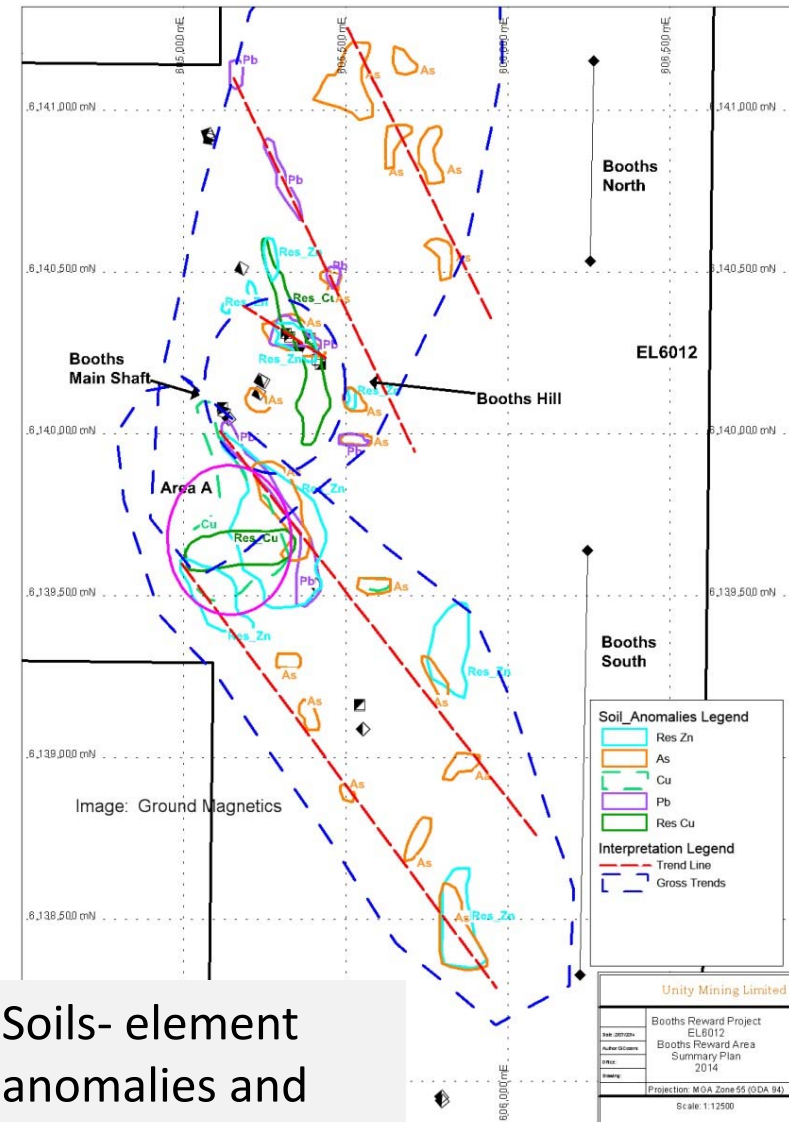
- Shallow drilling – only touched top of IP anomaly
- Only small part of mag low structure has been tested



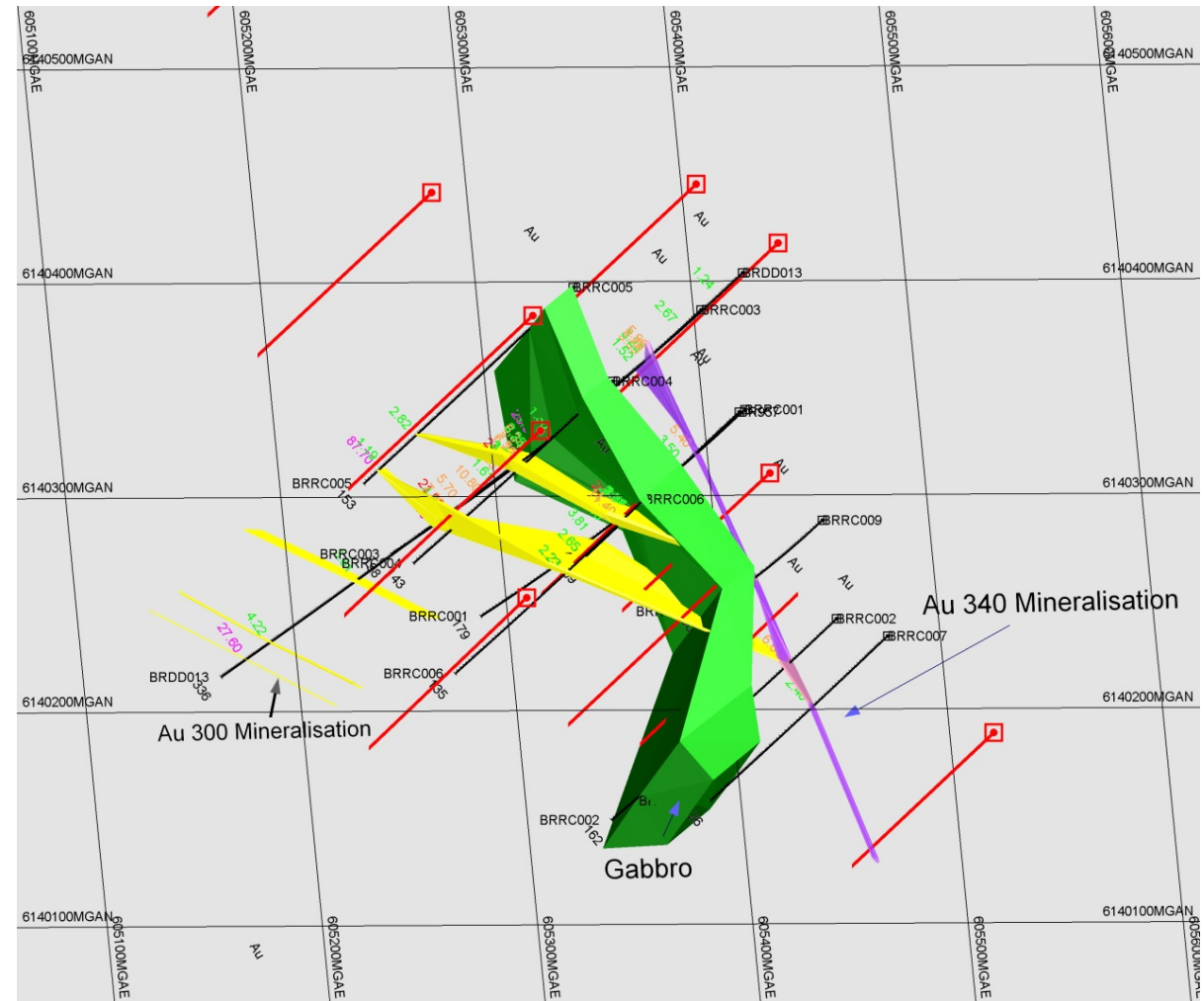
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- **Booths Reward Project**

# Booths Reward

- Intensely deformed Ordovician Jindalee Gp sediments & intrusives
- Structurally controlled – cross cutting stratigraphy
- Au in Qtz- carb-sulphide veins/stringers and disseminated clots of Cpy & Py
- Infill and extension soil sampling highlights several orientations of anomalism
- Analysis using Niton XRF
- Drilling to test for extensions to Booths Hill Au mineralisation



| Hole_Id | depth_from | dh_length | Au    |
|---------|------------|-----------|-------|
| BRDD013 | 135        | 2         | 13.46 |
| BRDD013 | 195        | 5         | 8.71  |
| BRDD013 | 321        | 0.5       | 27.6  |
| BRR001  | 54         | 1         | 12.4  |
| BRR001  | 86         | 3         | 11.47 |
| BRR002  | 35         | 1         | 6.61  |
| BRR003  | 35         | 6         | 6.01  |
| BRR003  | 64         | 1         | 8.96  |
| BRR003  | 122        | 2         | 7.13  |
| BRR003  | 169        | 1         | 8.18  |
| BRR003  | 172        | 3         | 20.23 |
| BRR004  | 69         | 3         | 9.11  |
| BRR004  | 92         | 1         | 10.8  |
| BRR005  | 142        | 1         | 87.7  |
| BRR006  | 17         | 1         | 11.4  |
| BRR006  | 20         | 1         | 7.1   |



Rotated view looking down plane of mineralisation  
Red trace – planned drillhole

# Conclusion

- Dargues Gold Mine – high grade intersection in inferred resource increases confidence for down plunge extension
- Near Mine Exploration-
  - Further understanding of geophysical character of Dargues
  - geophysical surveys identify several promising targets
- Regional Exploration-
  - re-processing of old data shed new light
  - IP surveys identify new targets
  - Soil sampling identifies new style of mineralisation at Euradux
  - Booths Reward - drilling to commence in October to test for extensions to Au mineralisation
- So many targets!

# Thank you

## Unity Mining Limited

### Corporate Office

Telephone : +61 (0)3 8622 2300

Facsimile : +61 (0)3 8622 2399

Email : [info@unitymining.com.au](mailto:info@unitymining.com.au)

### Address

Level 10, 350 Collins Street

Melbourne Vic 3000

Australia