

ASX/Media Release



Investigator Resources Limited

Date: 7 December 2012

Re: Investor Presentation at SA Explorers & Mining Conference Adelaide

Attached is a presentation to be delivered at the SA Explorers & Mining Conference on Friday 7 December 2012.

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Investigator Resources Limited

Creating a new generation of discoveries
in the southern Gawler Craton

Presentation:

John Anderson – Managing Director

SA Explorers & Mining Conference

Adelaide, South Australia

7 December 2012



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Corporate Details

ASX-listed (IVR) in April 2007

Capital Structure at 26th October 2012

Total shares on issue	335,656,687
• CITIC Australia Pty Ltd	67,097,772 (19.99%)
• Acorn Capital	18,830,961 (5.61%)

Top 20 shareholders 43.96%

Total shareholders 3,764

Capitalised c. \$52m @ 15.5c share (at 6th December 2012)

Cash at bank - \$15.4m (at 30th September 2012)



Investigator Resources Ltd

A fresh Australian silver opportunity in a positive silver market

ASX-listed (IVR) **successful Junior Minerals Explorer**

Expert team with stable strong mining Board & history of discovery

Focus on discovering precious & base metal deposits of Olympic Dam age in the **southern Gawler Craton** of South Australia

Successfully applying strengths, innovative ideas & technologies to become **exploration leaders** in the region

Underpinned by greenfields **Paris silver discovery** on Eyre Peninsula


Has **first-mover opportunities** with strong ground position for more discoveries from a genuine pipeline of new generation targets

Aiming to:-

- Establish a **silver resource** at Paris & transition IVR to a producer
- Demonstrate the surrounding Peterlumbo field is a **multi-deposit camp**
- Use successful approach to generate other **new fields & discoveries** with added commodity diversity in copper



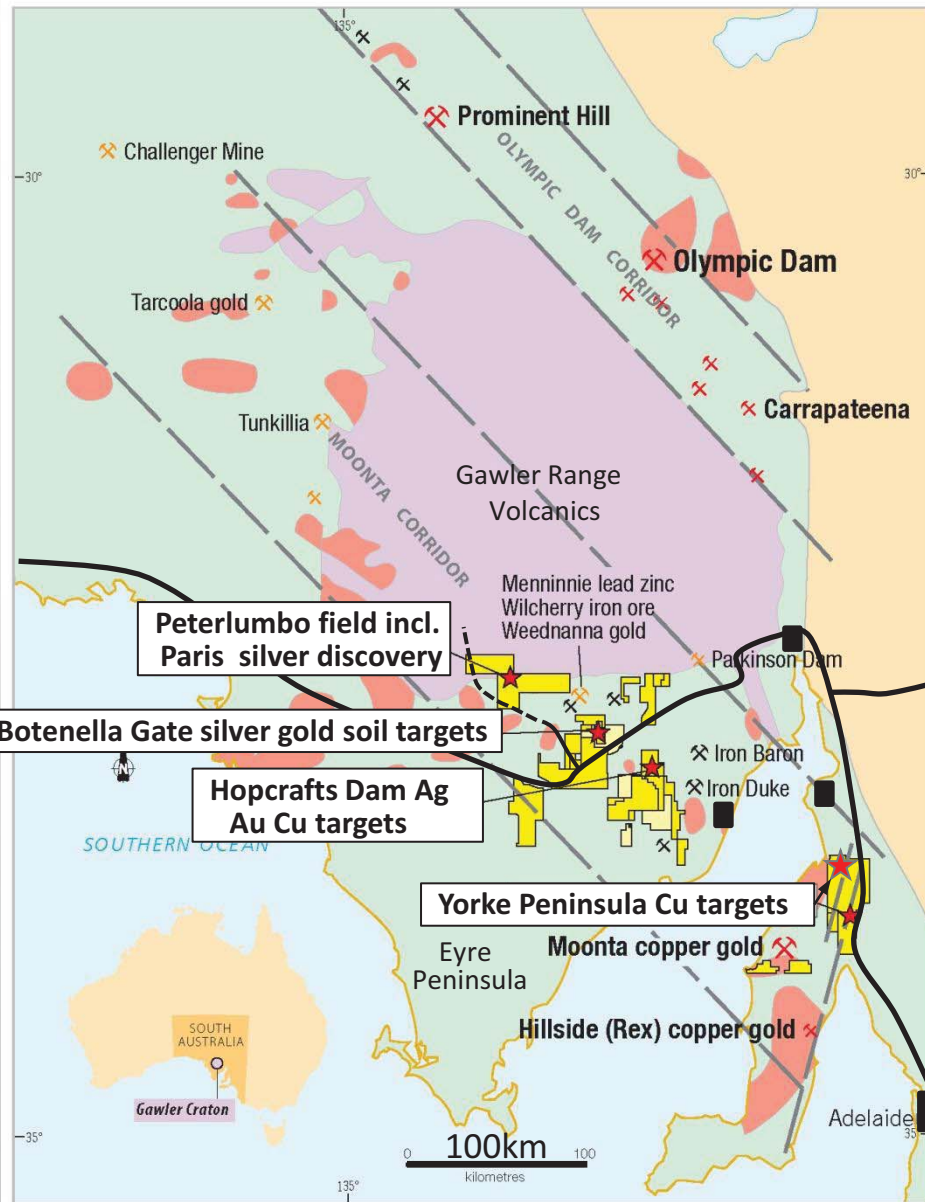
IVR's Advantages




- Leading exploration with **new targeting model** for Olympic Dam age deposits
- **Dominant ground position** 
- **Proprietary dataset of innovative regional soil geochemistry** enabled new targets to be defined on Eyre Peninsula

Key IVR projects

High-grade silver discovery at Paris confirms IVR approach & potential for a new generation of similarly developed silver gold or copper targets

- **Well located**
 - Major industrial towns
 - Major highway

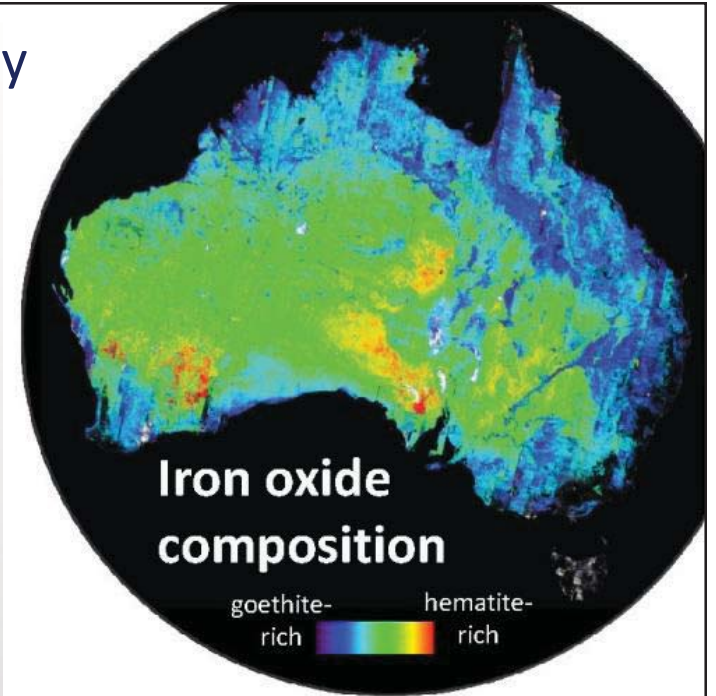
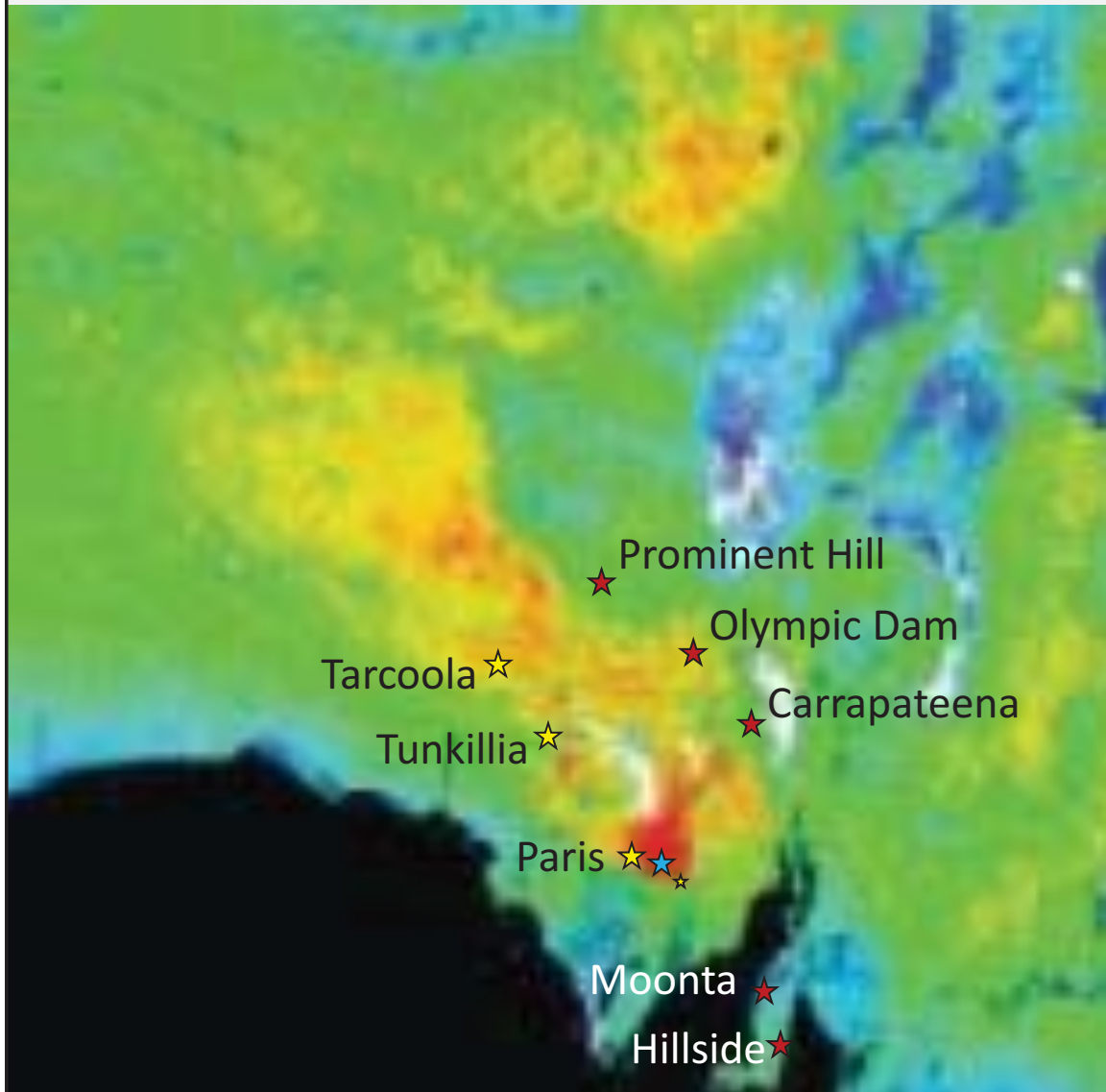


-  IOCGU mine or deposits
-  Gold deposit
-  Iron ore mine or deposit



Continually looking for new research & technology to adapt to exploration:

The South Australian haematite anomaly supports the IVR address in the southern craton



Mapping different iron minerals with ASTER spectral satellite technology

(CSIRO/Geoscience - Australia-wide mineral maps released in August)

Acknowledgements:

Carsten Laukamp

Western Australian Centre of Excellence for 3D Mineral Mapping (C3DMM) and CSIRO's Minerals Down Under (MDU) Flagship program

Matilda Thomas

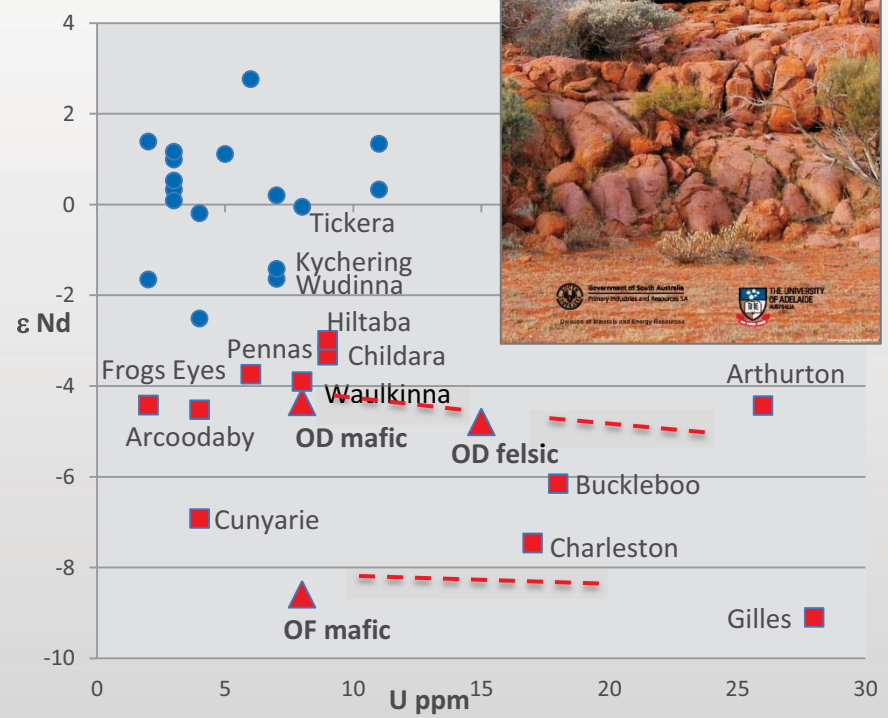
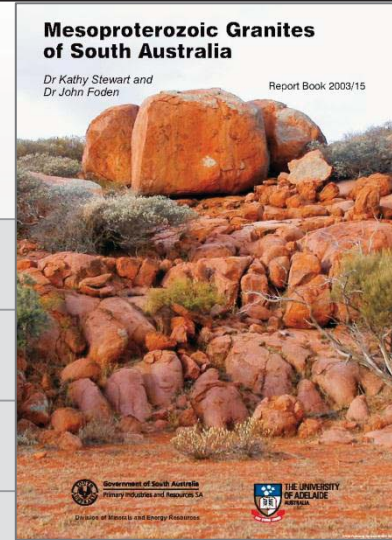
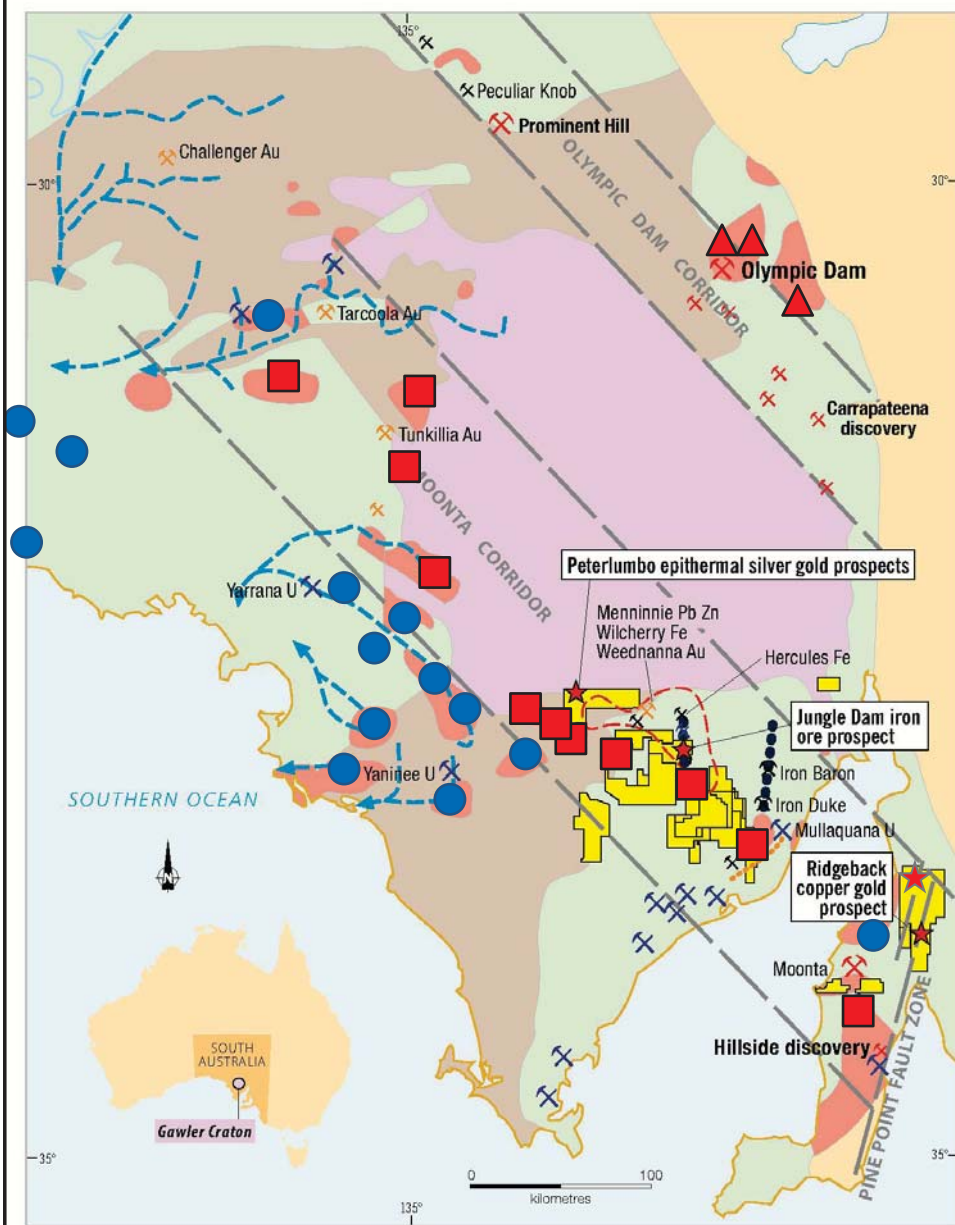
Geoscience Australia



IVR 5

Reinterpretation of 2003 granite data

– supports alternative Moonta Corridor prospectivity model



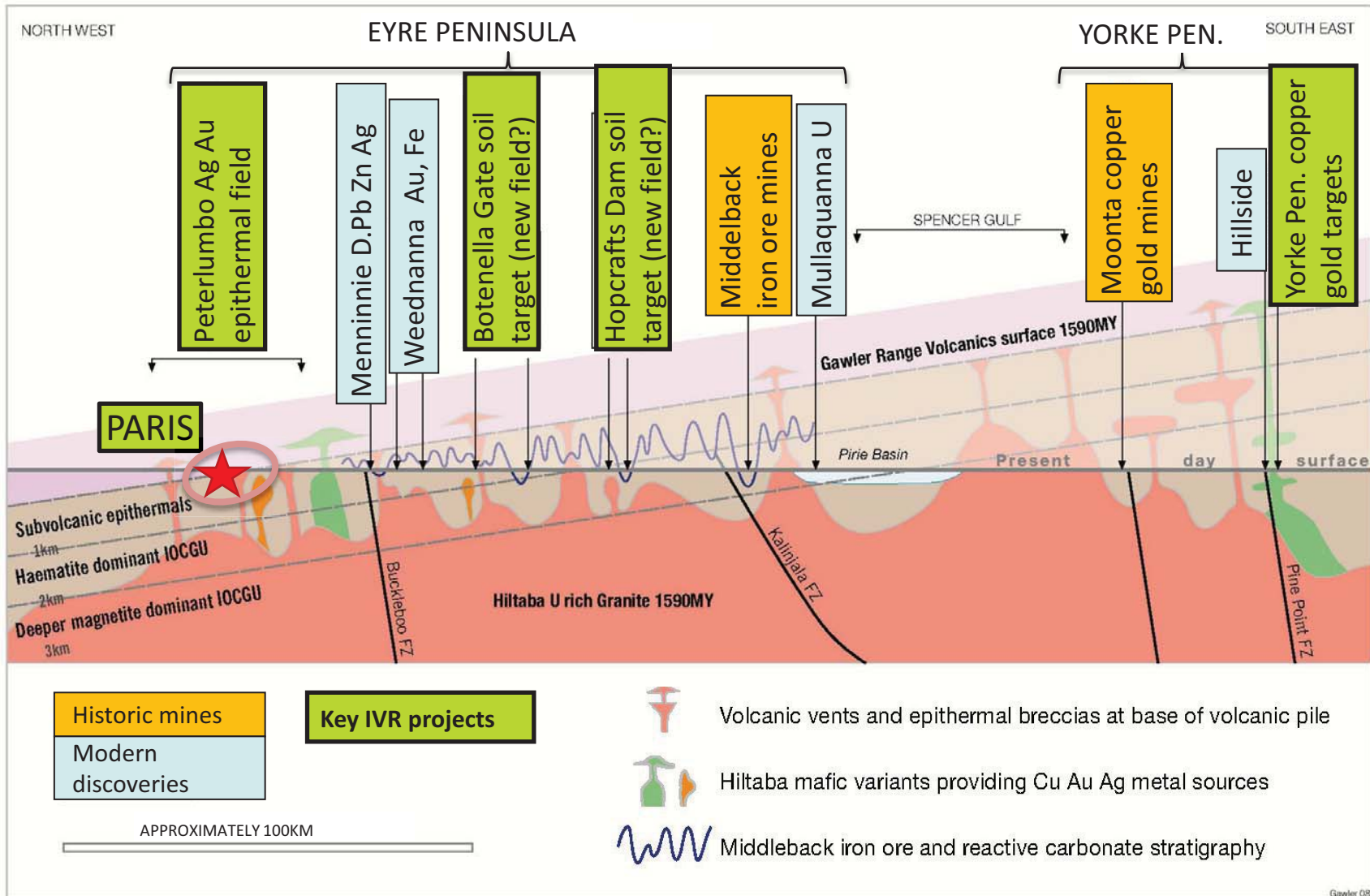
Hiltaba Granites

- $\epsilon Nd > -2.5$
- ▲ $\epsilon Nd < -2.5$; Olympic Dam region
- $\epsilon Nd < -2.5$; Moonta Corridor



Moonta Corridor – regional section showing progressive geological depths

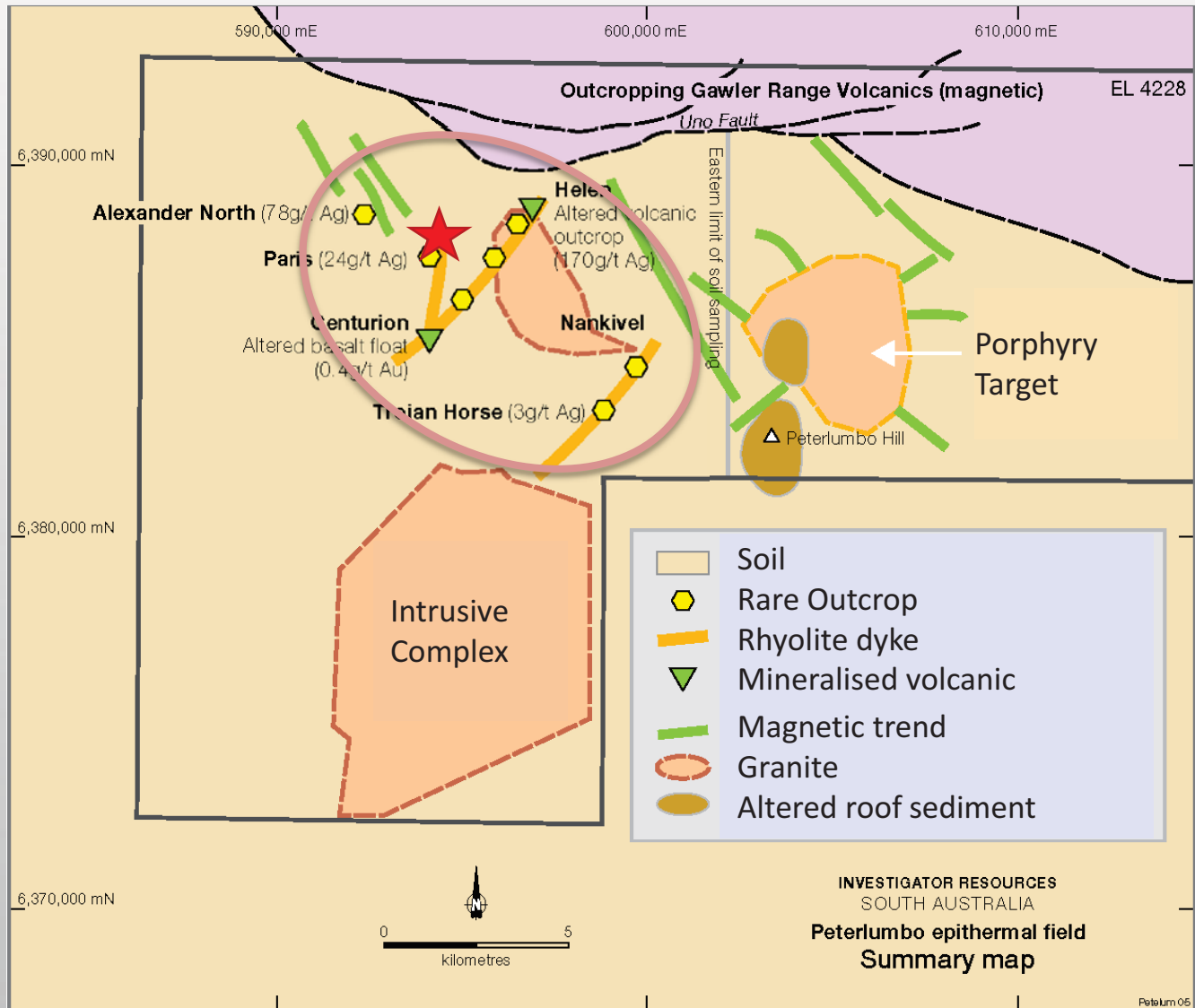
- offering a spectrum of Hiltaba-aged target styles
- ranging from epithermal silver-gold to copper gold porphyries & IOCGUs



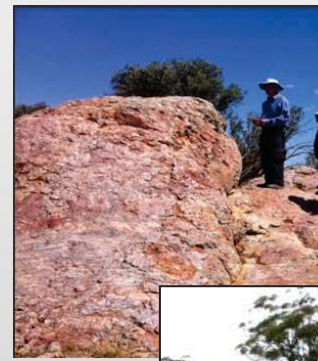
Greenfields Paris discovery ★ within new Peterlumbo field

Large field offers potential for shallow epithermal & porphyry targets

Geology Plan – western end of JV tenement (IVR 75%)



New epithermal field interpreted by scattered indicators through thin cover



Nankivel rhyolite breccia



Helen silver-rich outcrop



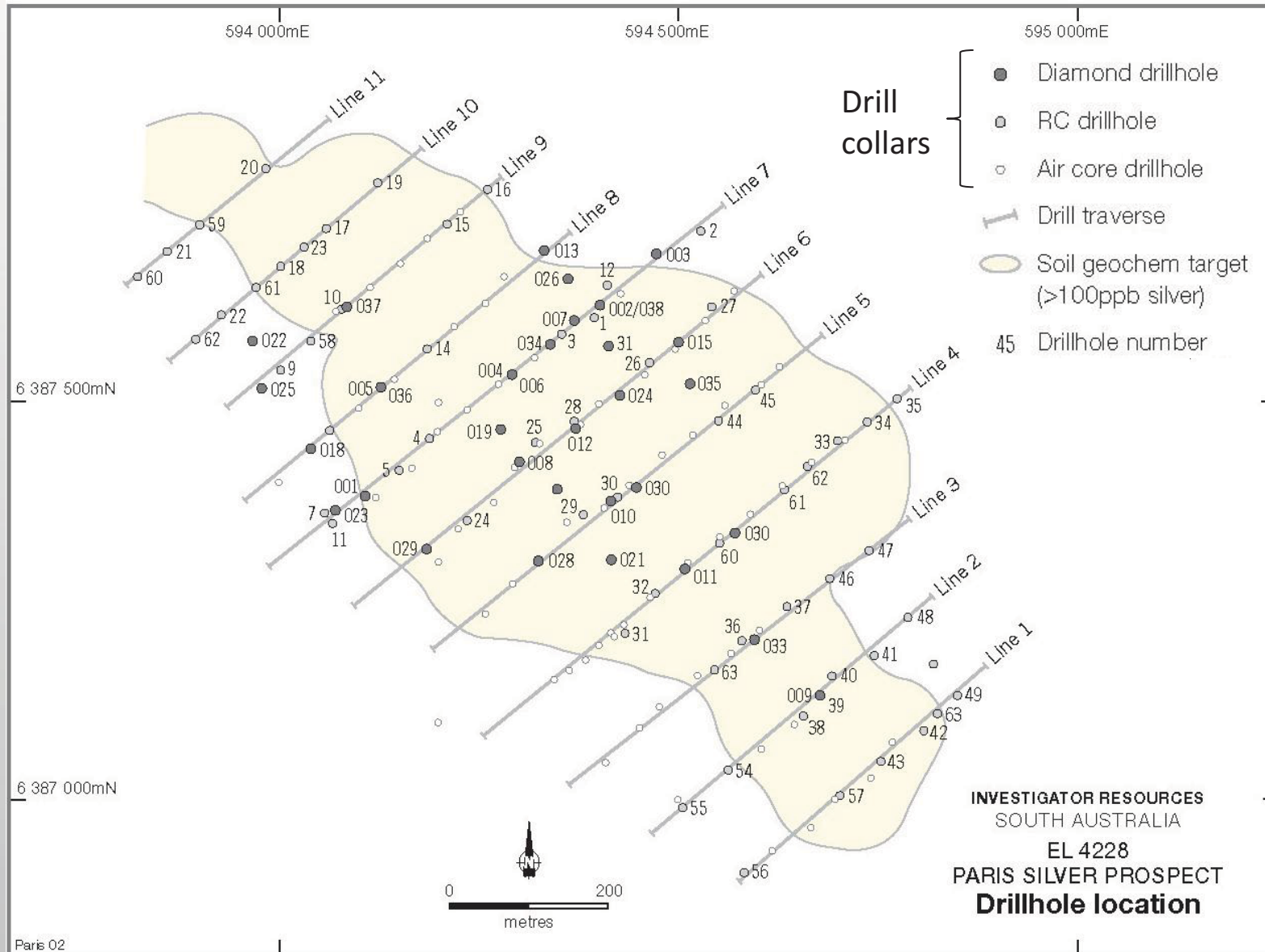
Paris scout drilling of soil target



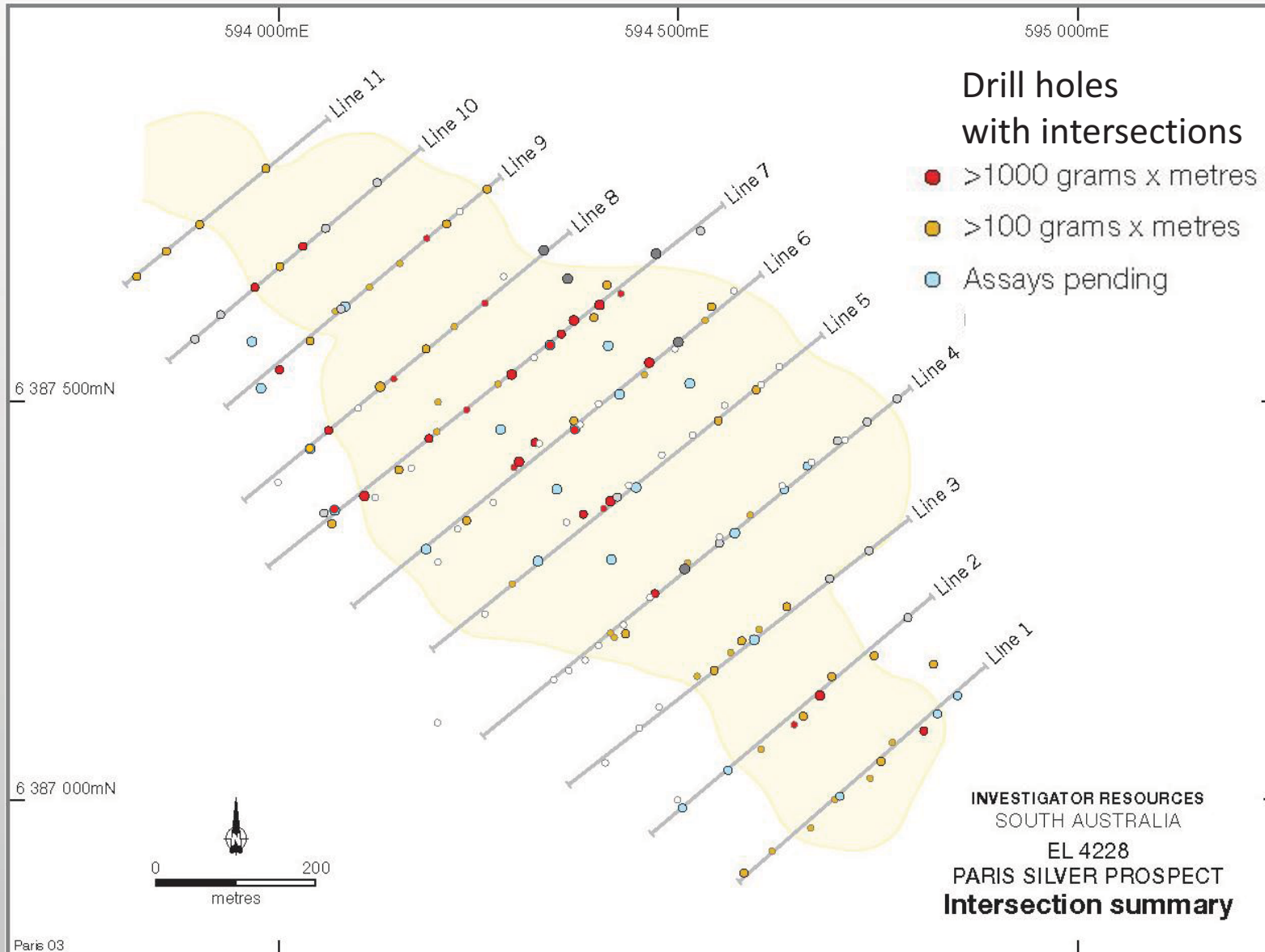
IVR 8

Paris silver prospect – large shallow soil geochemical target

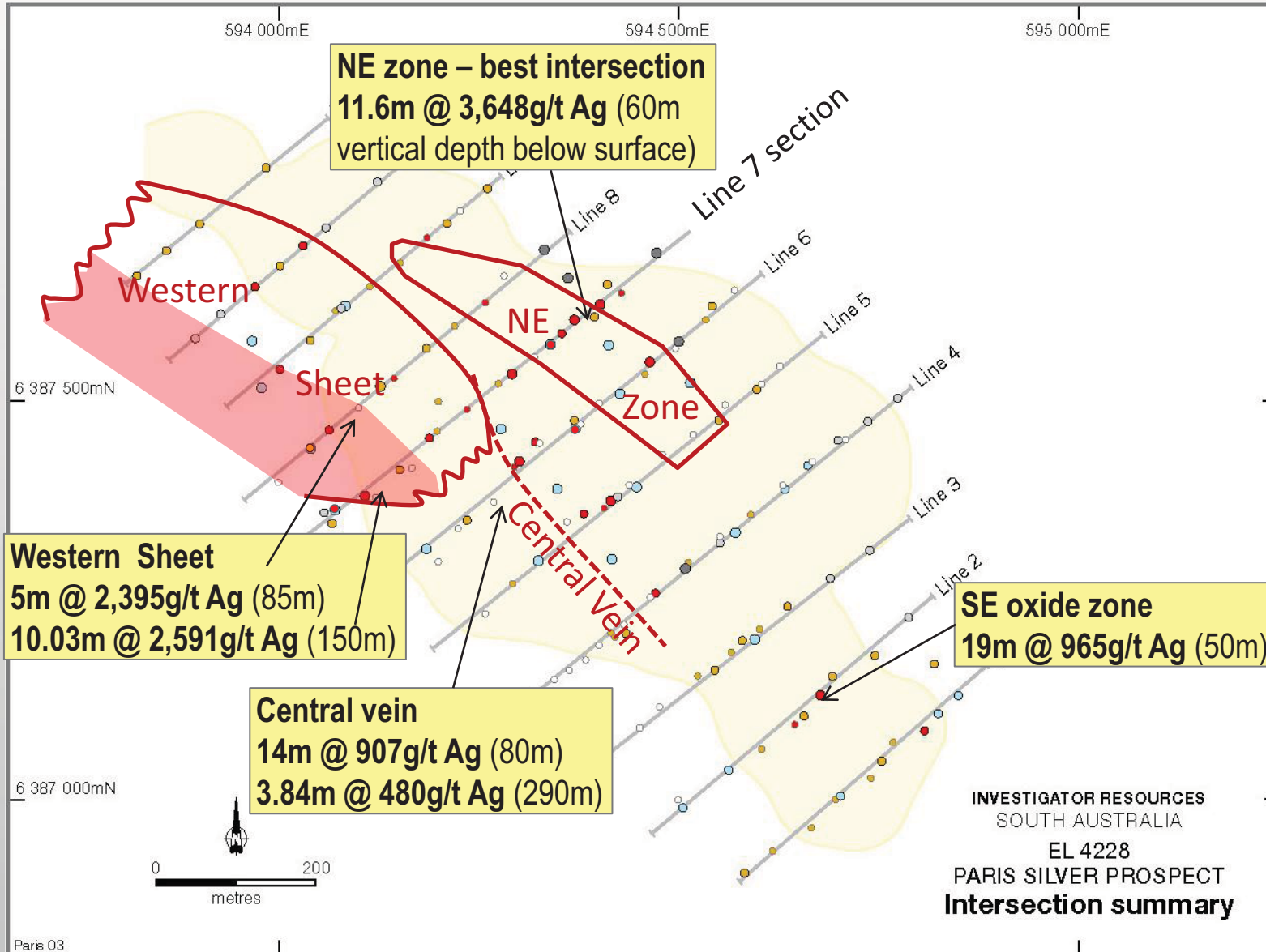
Commenced drilling over 100 RC & Diamond holes one year ago



Paris drilling – many shallow high-grade silver intersections

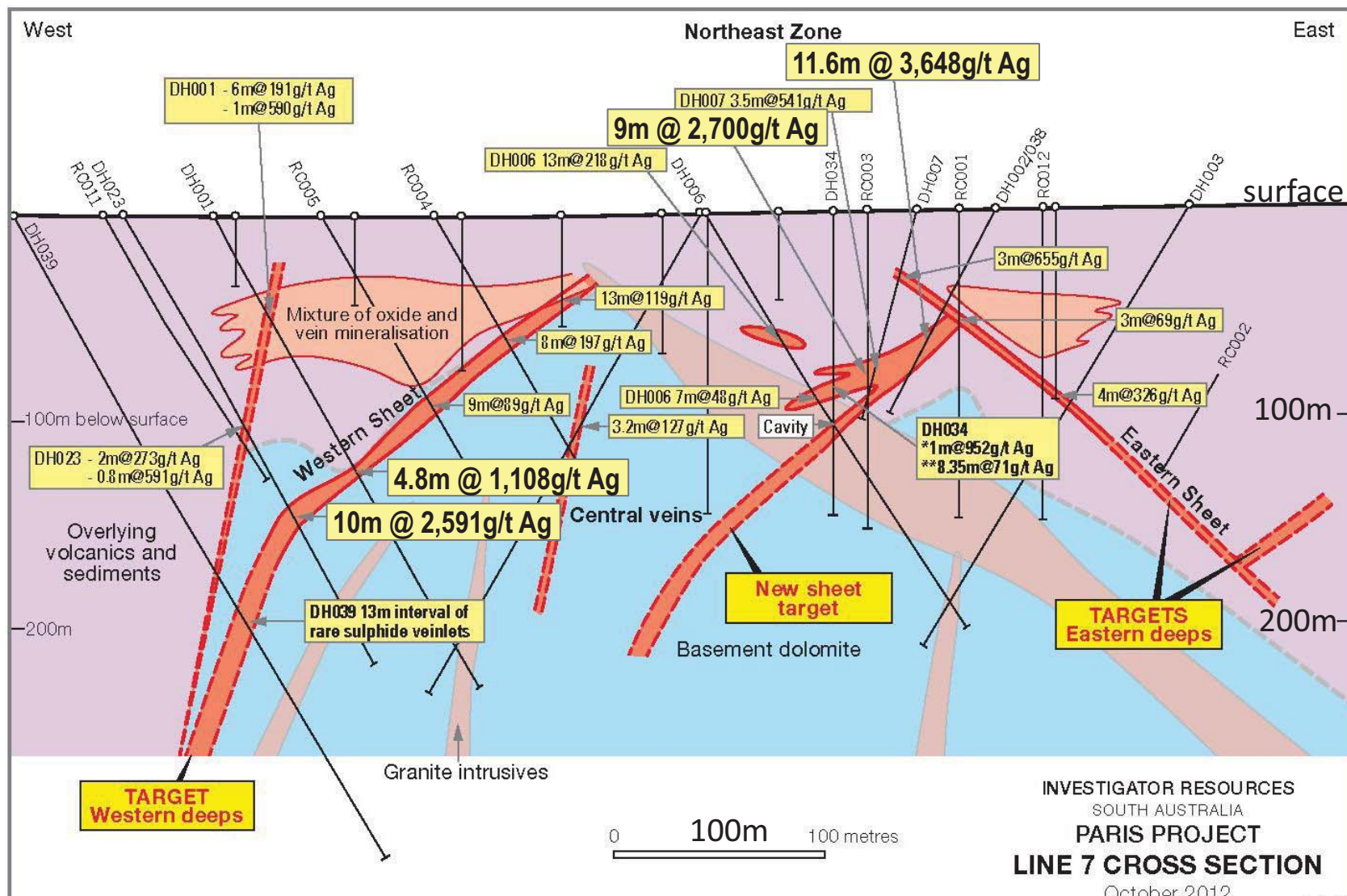


Paris silver prospect – interpreted target zones

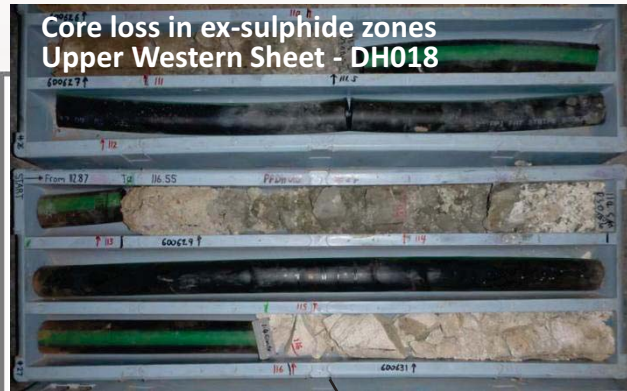


Cross Section near middle of Paris prospect (to be updated)

- Multiple targets & widespread high-grade silver intersections
- Western Sheet is highest priority with strike and grade potential
- Further drilling in progress towards resource estimation



Potential styles of silver mineralisation



New confidence in the Paris Geology

– recent drilling has confirmed epithermal setting



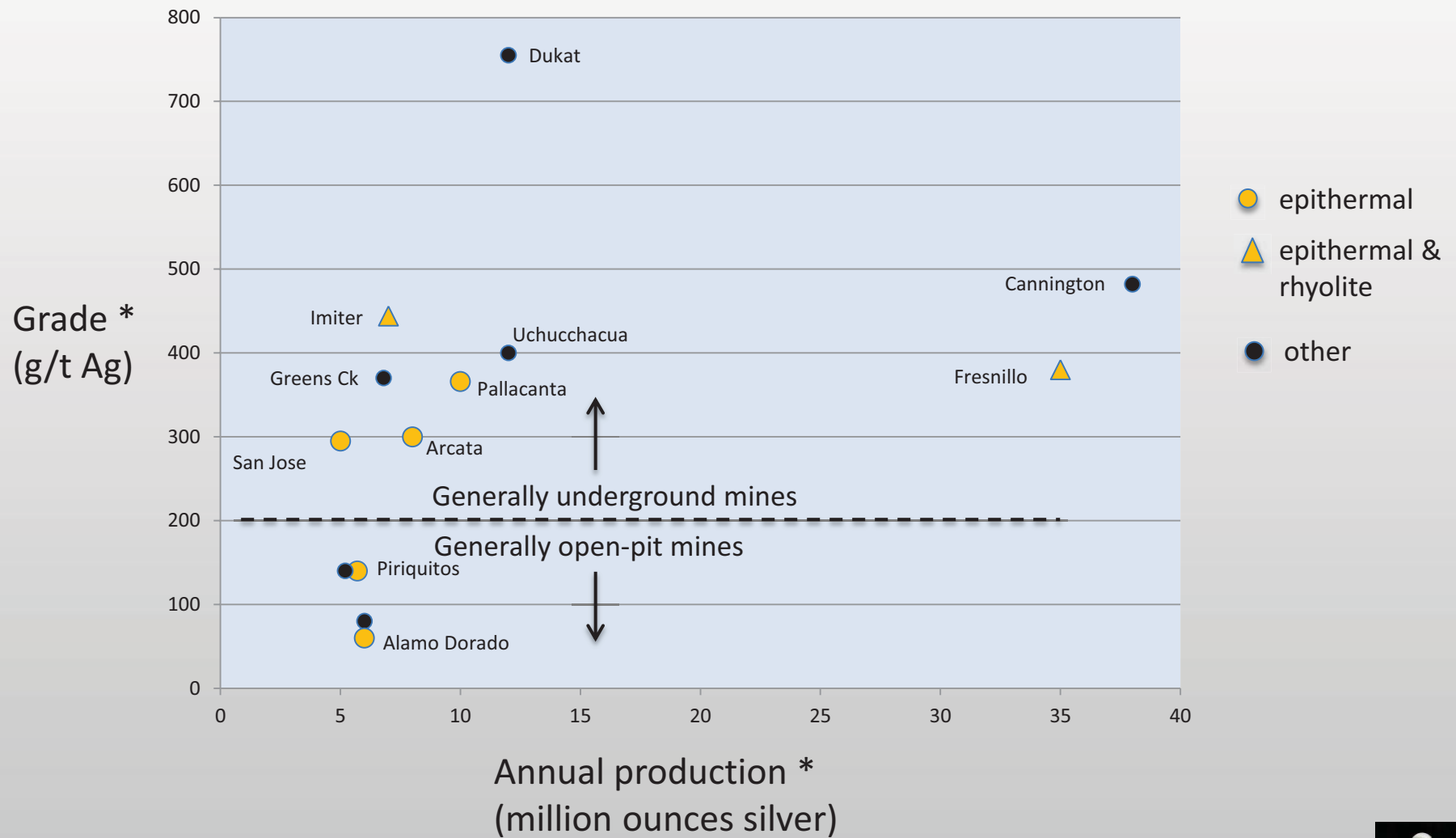
For the academics: an intermediate sulphidation, polymetallic epithermal system showing typical sericite & carbonate alteration



Mineralisation confirmed as flat-lying sheets in basal volcanics near the mid-Proterozoic palaeosurface.

Likely metal source are rhyolite breccias (pictured) intruding boundary between dolomite carbonate and graphitic volcanics providing a lithology contrast that precipitated the spectacular silver grades in portions of the prospect.

Global silver mines – size/grade comparison



* Note: Data is from various sources & is approximate; annual production is generally for 2010

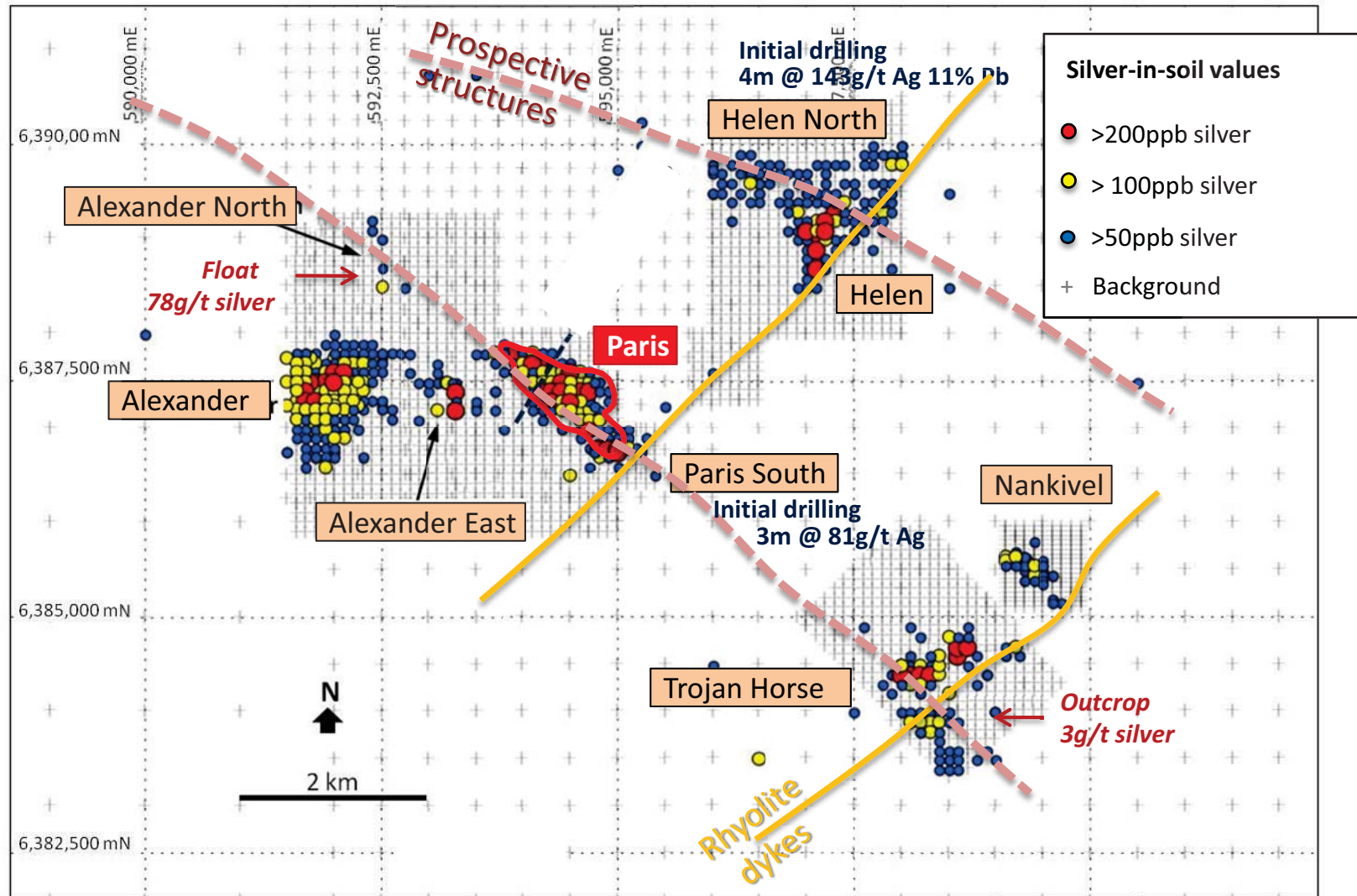


Satellite soil targets & 14km of prospective structures

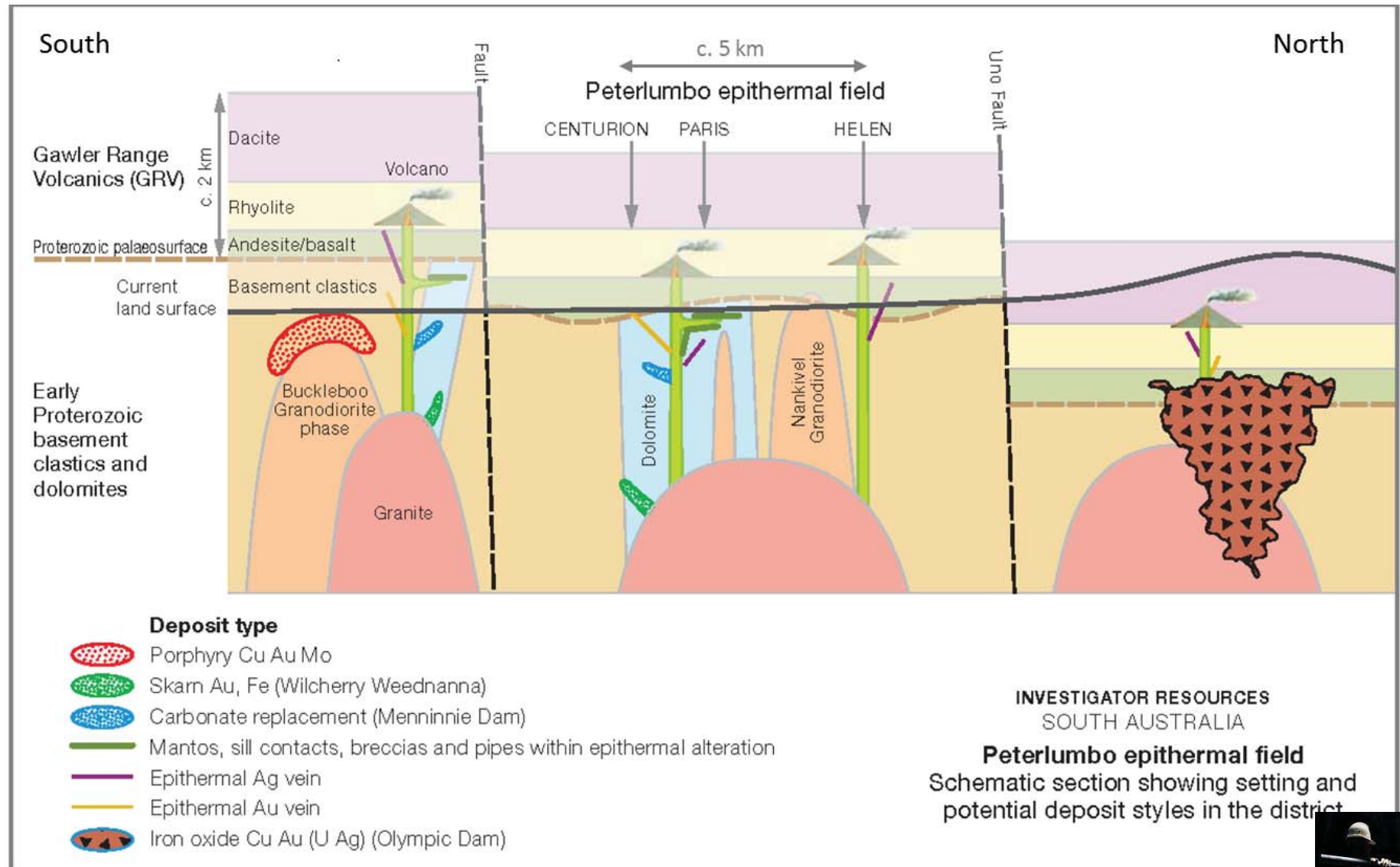
Scout drilling at Helen & Paris South produced positive new results

Potential for the Peterlumbo field to be multi-deposit mining camp

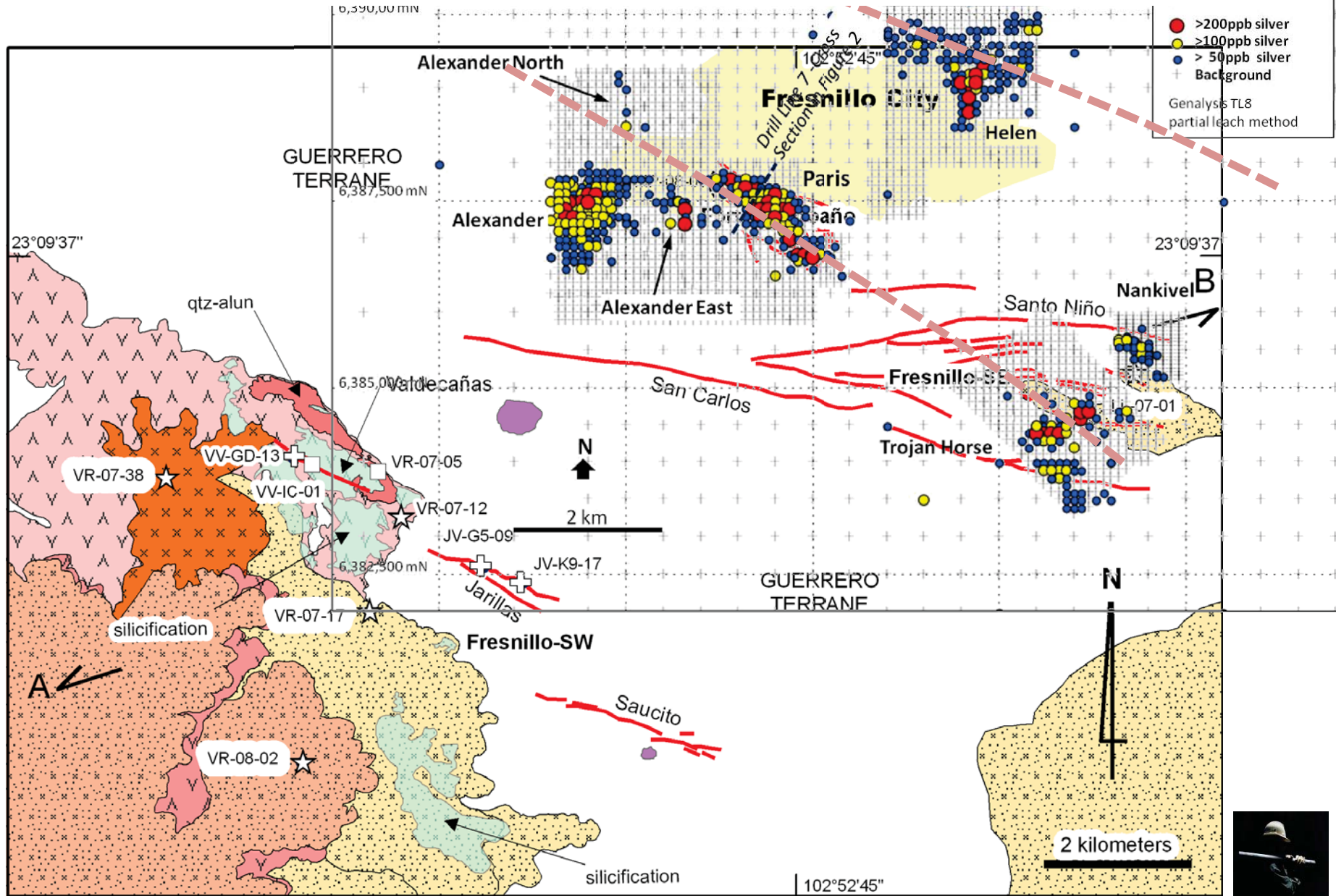
Heritage surveys to be progressed to enable further scout drilling early 2013



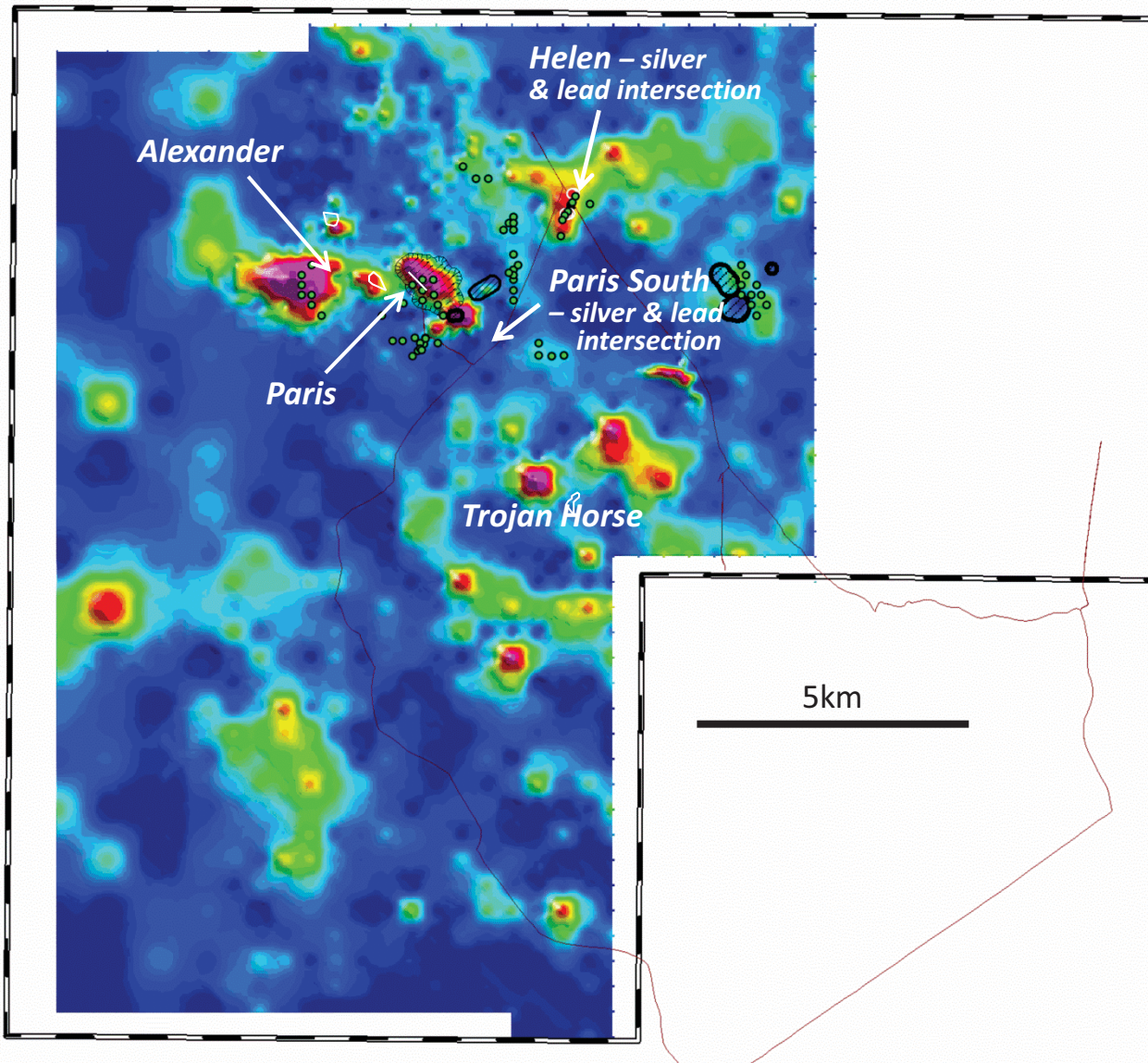
Peterlumbo field – regional interpretive section



Similar geological setting and field size to that of large Fresnillo mine



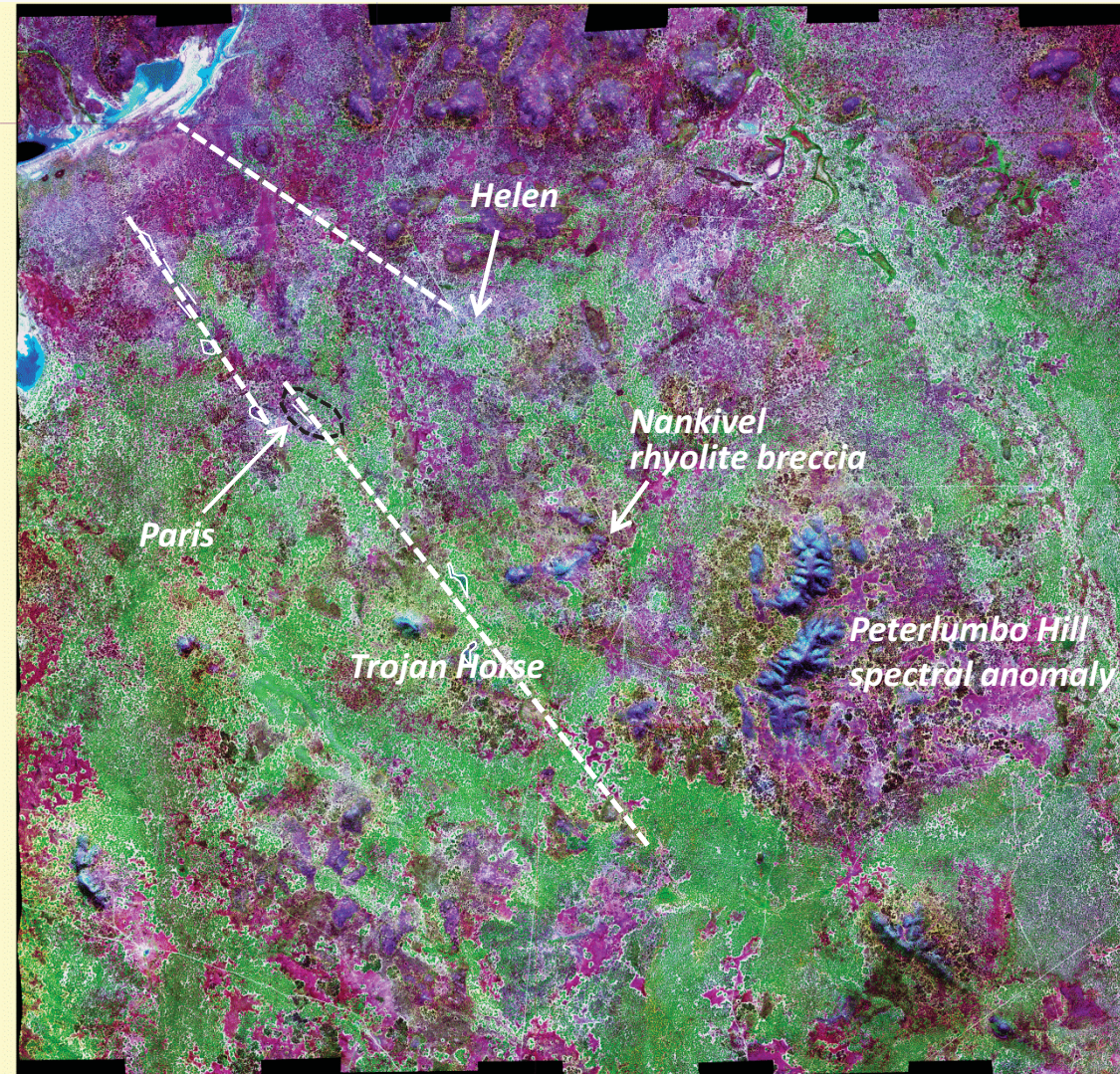
How large is the Peterlumbo field? - Silver-in-soils image



- Scout aircore hole



How large is the Peterlumbo field? - Hymap image (flown by DMITRE)



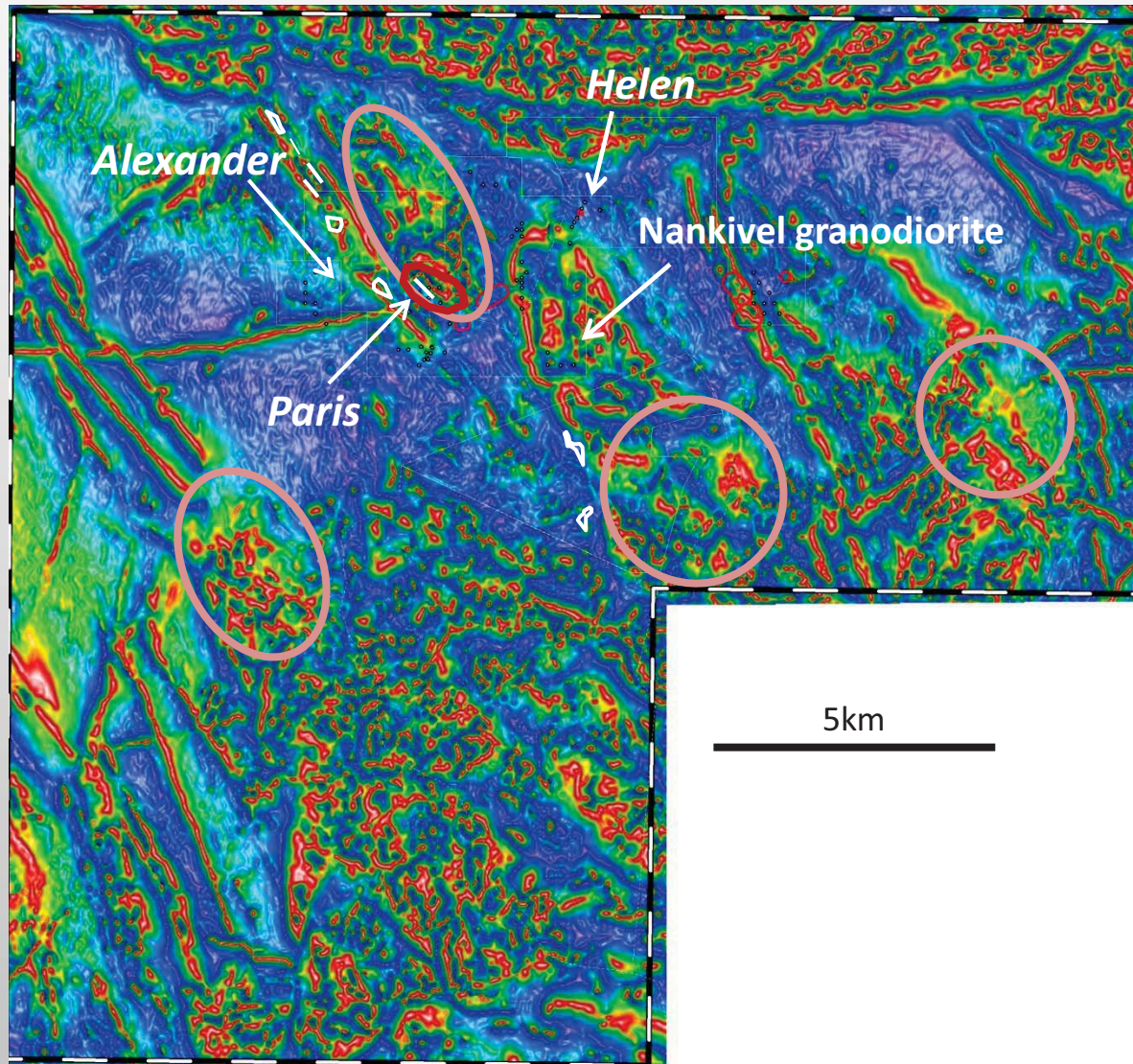
Spectral anomaly trends extending from Paris and Helen

5km



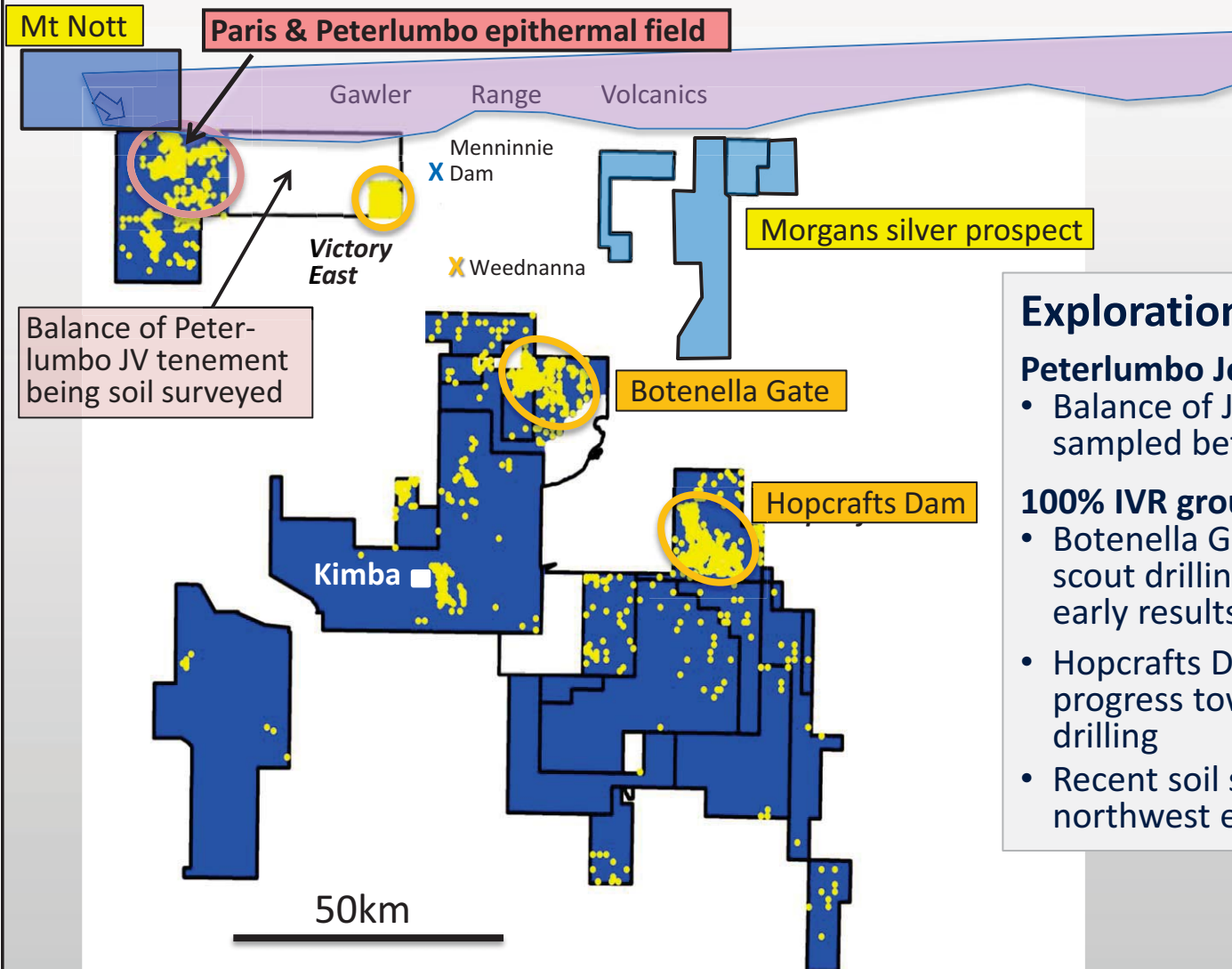
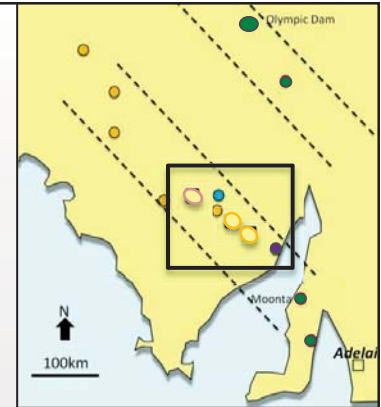
The wider Peterlumbo field

Filtered magnetic image shows other Paris-like targets and porphyry-style targets



- Target intrusives with potential for Paris look-alikes & porphyries
- ↘ Selected spectral targets from state-of-the-art airborne technology

New potential fields - Proprietary regional soil geochem maps new silver target areas across Eyre Peninsula



Balance of Peterlumbo JV tenement being soil surveyed

Exploration progressing well

Peterlumbo Joint Venture

- Balance of JV tenement recently soil sampled between Paris & Victory East

100% IVR ground on pastoral lease

- Botenella Gate - successful initial scout drilling and assays similar to early results at Paris
- Hopcrafts Dam - heritage survey in progress towards access for scout drilling
- Recent soil sampling at Morgans & northwest extension to Peterlumbo

Silver-in-soils reference map (● Silver > 30ppb)

- Existing regional soil geochem coverage
- Pending new soil geochemistry – 100% IVR tenure

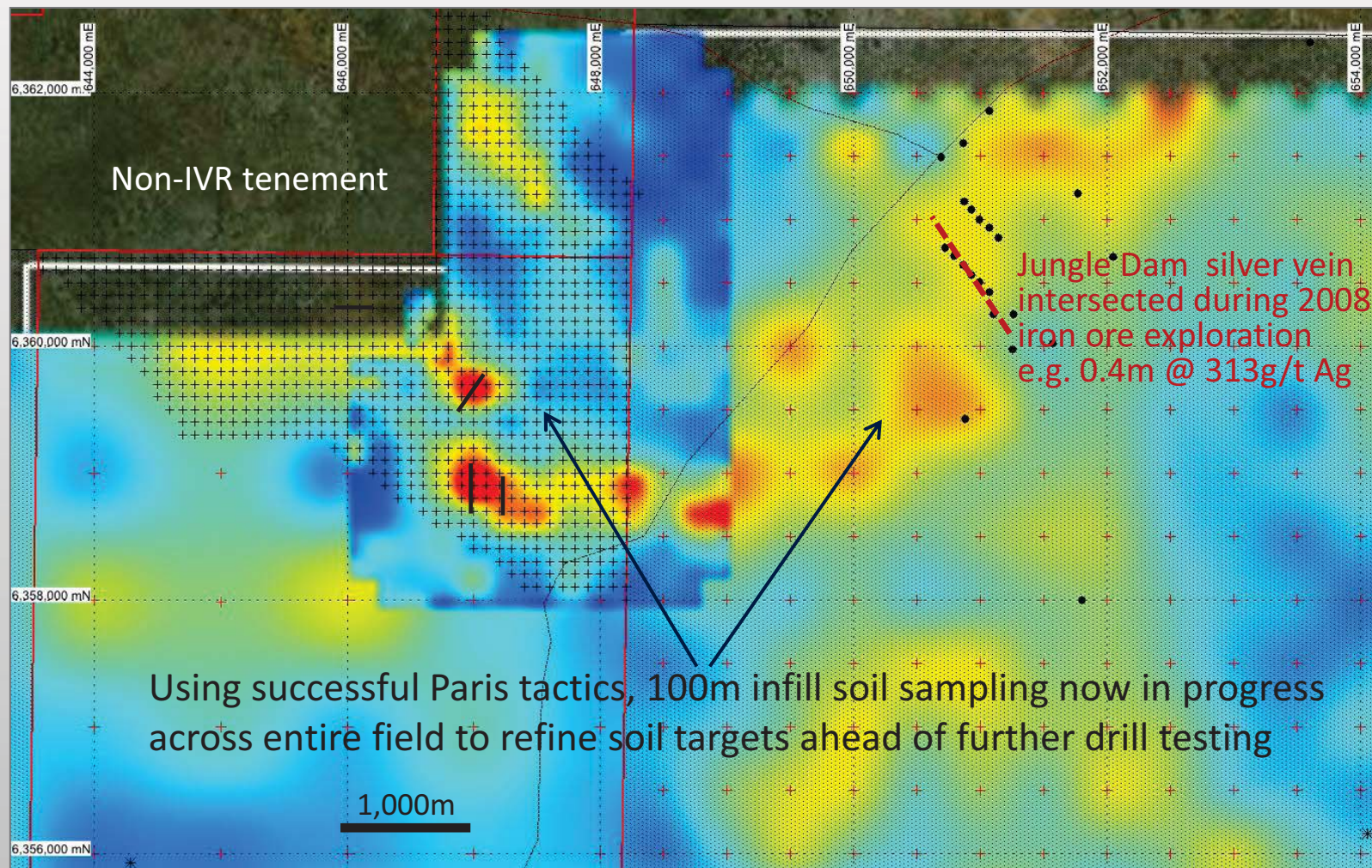
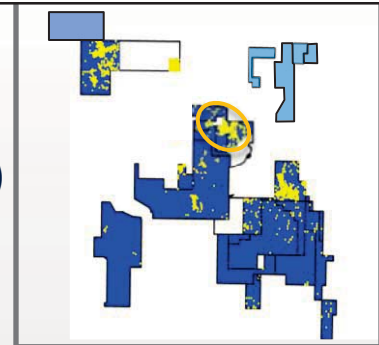


Botenella Gate - First scout drilling confirms potential field

Results are comparable with Paris discovery at same early stage
i.e. BOH intersection of 4m @ 24g/t Ag (cf 15m @ 21g/t Ag over Western Sheet)

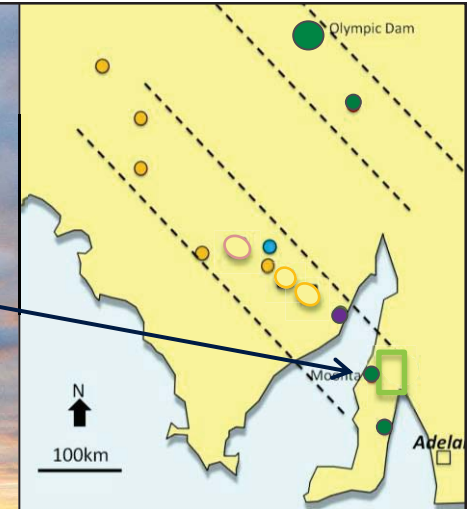
Aircore drilling on silver-in-soil geochemistry image

- Past aircore hole – Lake Gilles tenement
- / New aircore traverse 2012 – Botenella Gate tenement



Copper gold targets

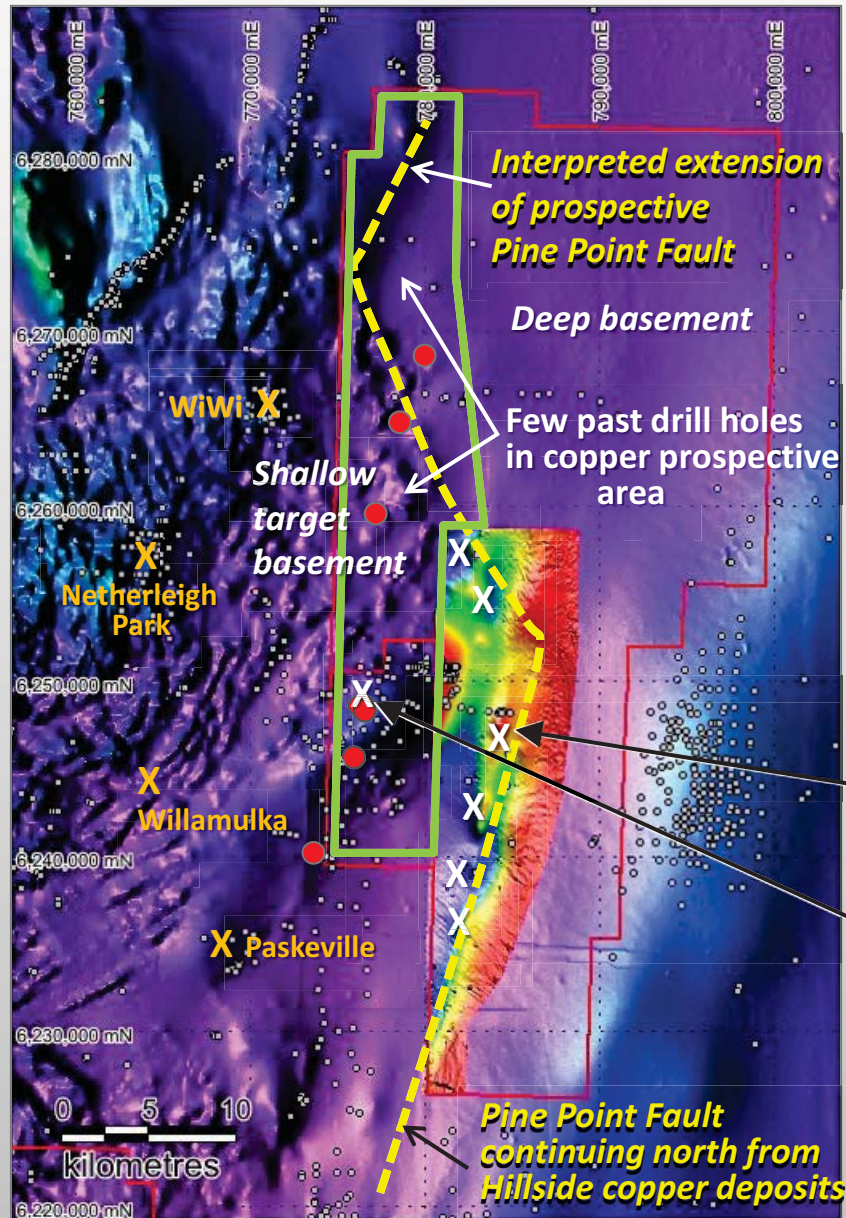
Yorke Peninsula



Bute/Ridgeback copper project, Yorke Peninsula


Under-explored area of the copper-rich Moonta-Hillside district

Exploration summary plan on magnetic image



 100% IVR tenure

Covers large area of shallow prospective basement under thin cover;

 Copper prospect

 Past drill hole


 Logged sulphides or haematite; or assayed copper

 IVR 2009 detailed airmag survey

 IVR target prior to new magnetic survey

Ridgeback magnetic & gravity targets –
Two holes drilled 2010 - establishing associated copper and shallow 130m depth

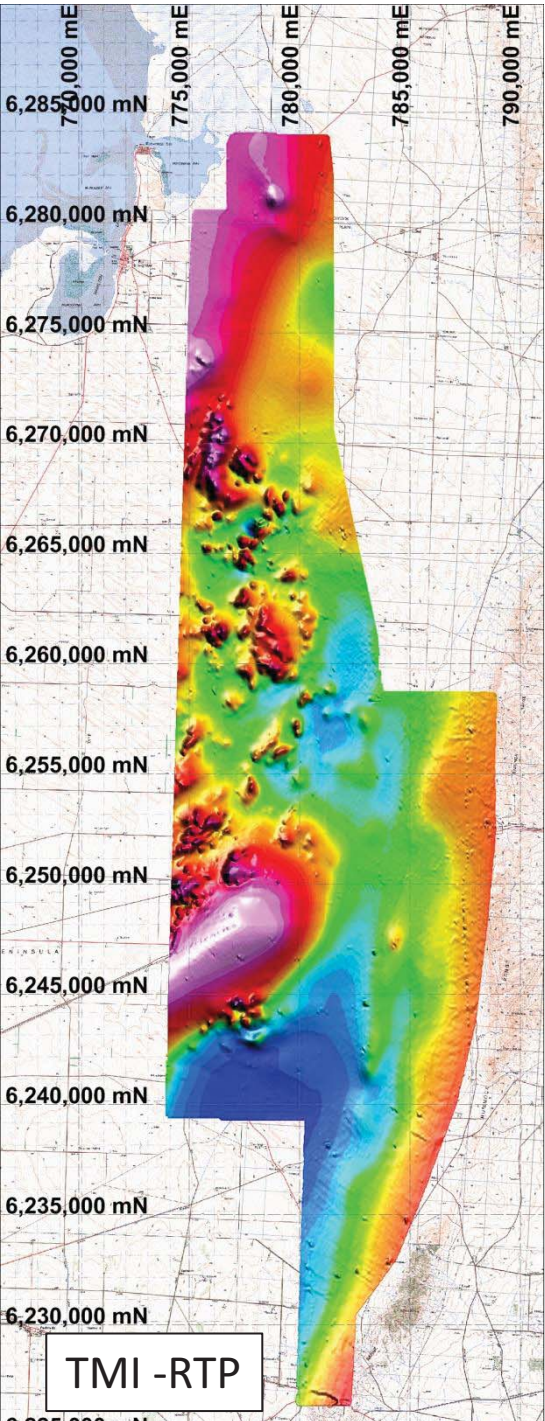
Bute copper target –
First scout drilling 2012 – shows Cu anomalism in thin cover

 Recent new IVR airmag survey to add coverage over poorly drilled prospective extensions to surrounding copper deposits & prospects

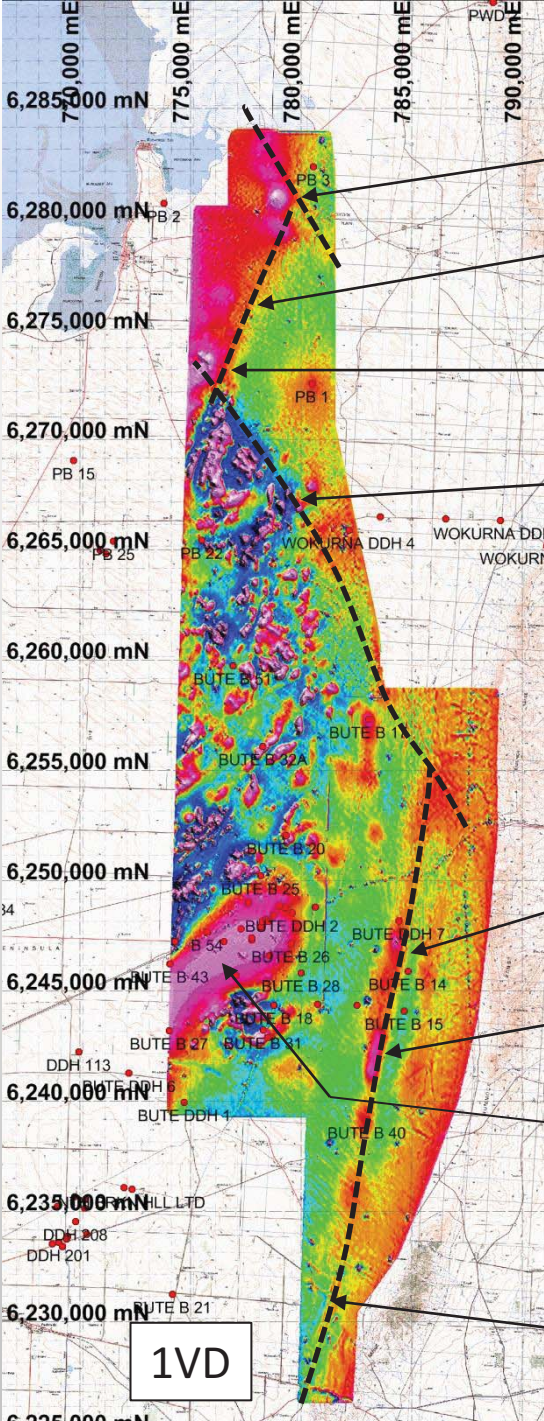


IVR 25

New magnetic survey



TMI -RTP



1VD

Roundabout IOCG target

Catophagi Structure = Torrens Hinge Zone

Spyall IOCG target

Northwest structures: Moonta Corridor trend
Additional Hillside-style targets

Ridgeback Hillside-style magnetic & gravity targets

North Ridgeback – partially drilled 2010: Hillside structure confirmed; trace copper in alteration; 130m cover thickness

South Ridgeback – priority target: yet to be drilled

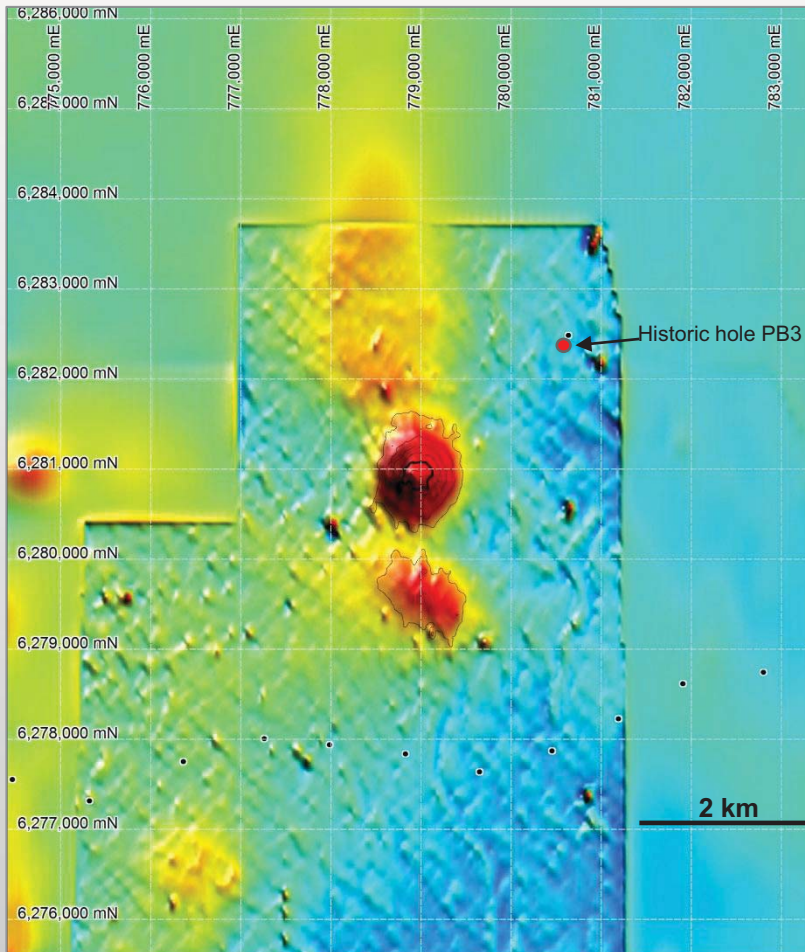
Bute magnetic anomaly - modelled as 1.5km depth to top; abundant historic drilling over top was too shallow to test

Hillside trend = Torrens Hinge Zone



IVR 26

Roundabout IOCG target – a high priority airborne magnetic target with a number of supporting IOCG attributes:



Gravity survey points (black dots) are insufficient to assess associated gravity signature - Detailed surveying is proposed

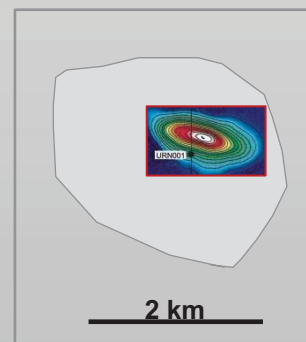
Favourable structural location

Well defined anomaly of similar size to Prominent Hill

Modelled pipe shape of 800m diameter with 280m depth to top

Adjacent diffuse magnetic signatures are potential copper mineralised haematite zones

Nearby 1980 drilling intersected encouraging geology (haematitic brecciated basement 8km to SE in PB1; haematitic cover sediments in 3km to NE in PB3)



Prominent Hill comparison:
Ground magnetic signature & outline of gravity signature

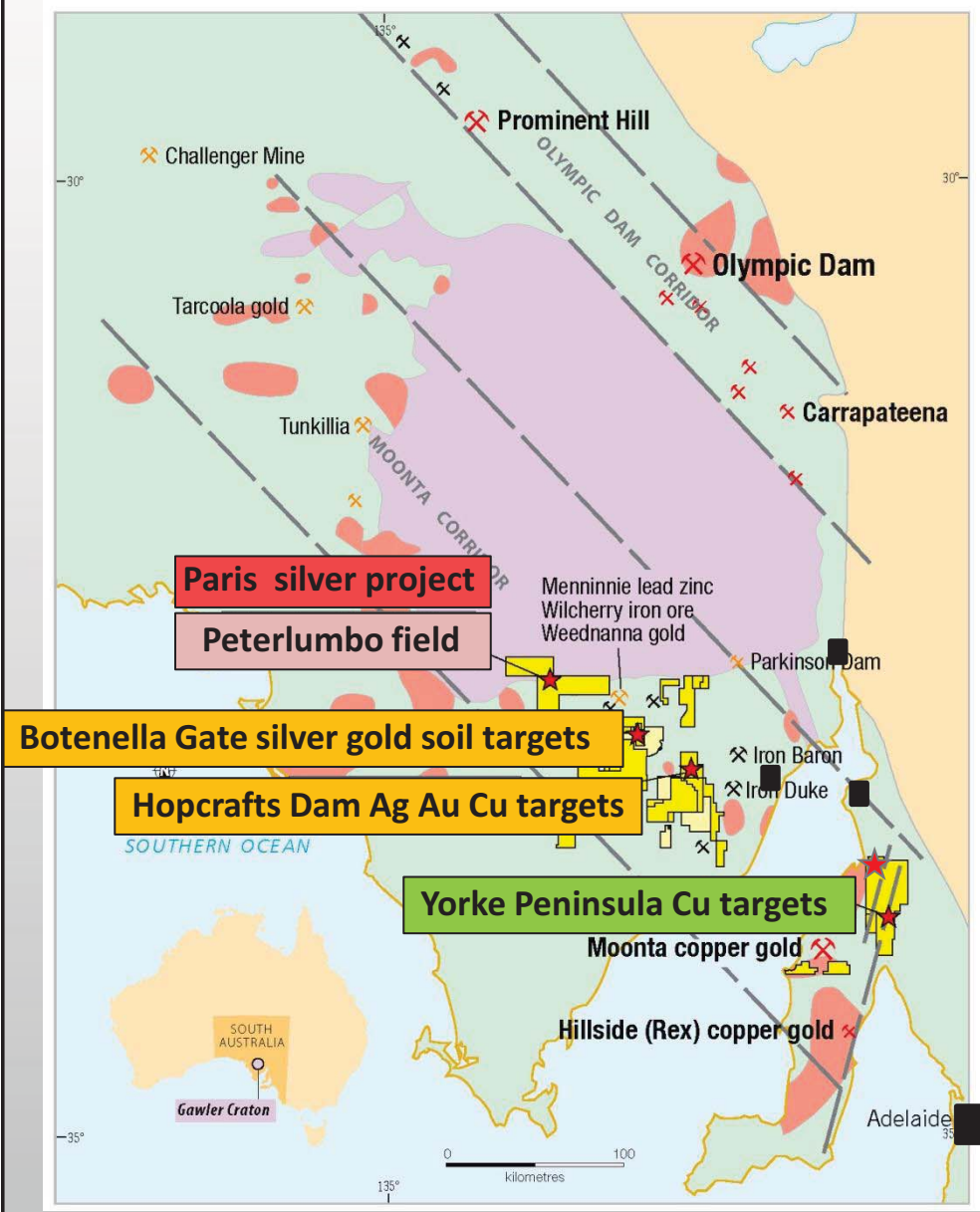
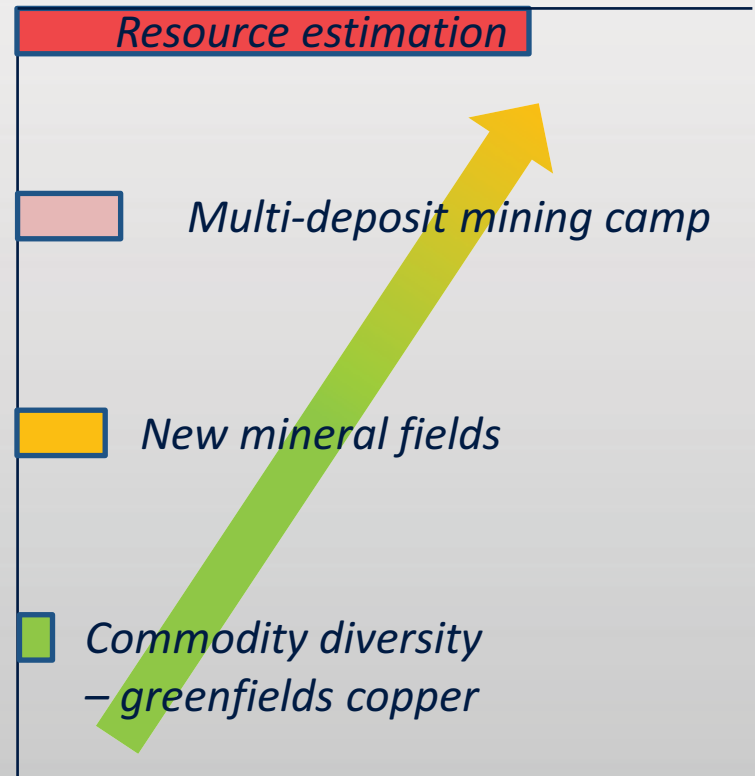


Forward Program

Genuine pipeline of quality targets
with prioritised growth objectives

\$15m program for FY12/13

— Budget allocation —>



Summary

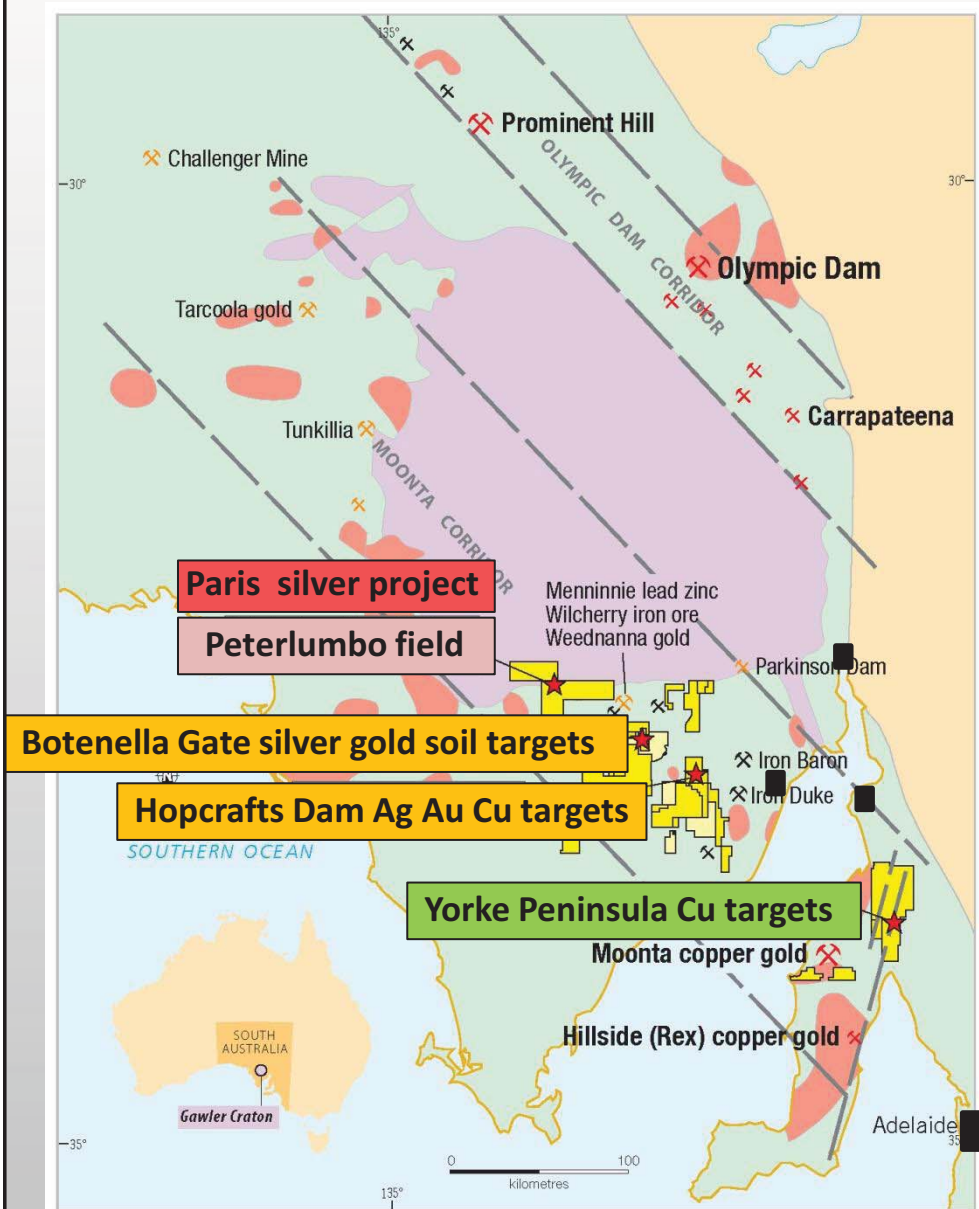
IVR is a successful explorer with significant growth opportunities

Using strengths to create stepchanges as an exploration leader in the southern Gawler Craton

Potential to become a silver producer on Eyre Peninsula at a time of positive silver market

Aiming to use first mover advantages to make more discoveries

Well funded to progress aggressive exploration on a genuine pipeline of quality targets





Five pillars for IVR's growth

- 1) Likely quality silver deposit
 - potential high grade and shallow
- 2) “Brownfields” expansion potential
 - clustered targets in possible multi-deposit mining camp & new fields
- 3) Favourable locations with infrastructure advantages
- 4) Proven management
- 5) Well funded





Competent Person Statement



The information in this presentation that relates to Exploration Results and Mineral Resources is based on information compiled by John Anderson (BSc(Hons)Geol) who is a member of the Australasian Institute of Mining and Metallurgy and is bound by and follows the Institute's codes and recommended practices. Mr Anderson is a full-time employee of Investigator Resources Limited. He has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activities being undertaken to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Anderson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.