

# SILVER CITY MINERALS LIMITED

ABN 68 130 933 309

ASX Code: SCI

## Silver City Minerals

***Annual General Meeting***  
***19 November 2015***

# SILVER CITY MINERALS SNAPSHOT

## **BROKEN HILL (Zn-Pb-Ag)**

### **Project Review and Prioritization**

- Razorback West
- Stephens Trig
- Balaclava

### **Focus and Plan**

EM, Geochemistry and IP Targets  
Evaluation of E2 Shoot  
Drilling completed, new EM targets

## **TAUPO, NZ (Au-Ag)**

- Geological mapping, rock chip sampling, mineralogical studies, LiDar acquired.
- Large poorly eroded geothermal system with anomalous geochemistry. recognised. **Potentially large gold-silver system.**
- Ongoing negotiations for long-term access prior to magnetic survey and drilling.

## **NEW PROJECTS**

- Search ongoing

# SILVER CITY MINERALS LIMITED

	<b>2013-2014</b>	<b>2014-2015</b>
Shares (million)	116	116
\$ in bank at AGM	\$3.0 million	\$1.6 million
Share Price at AGM	3.0 cents	2.4 cents
Market Cap	\$3.5 million	\$2.8 million
Area of Tenure (km <sup>2</sup> )	1300	1200
Admin Expenditure	\$749,000	\$639,000
Exploration Expenditure	\$2.03 million	\$1.28 million
Locations	Broken Hill, Sellheim, Taupo	Broken Hill, Taupo

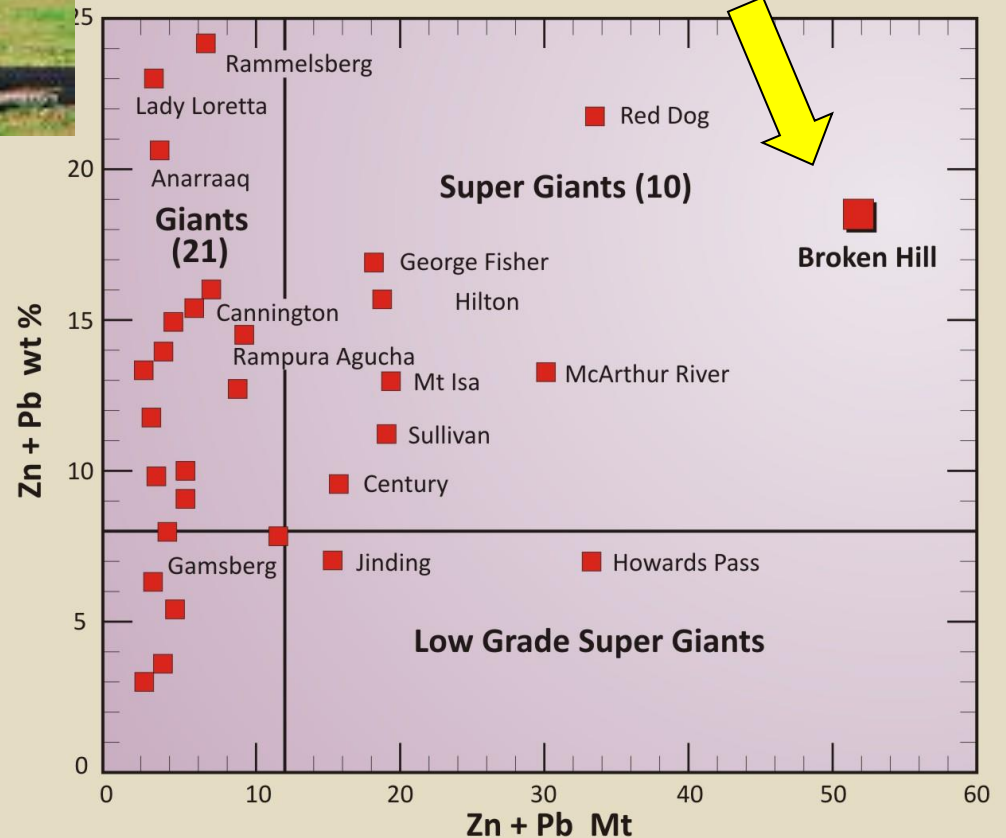
# SILVER CITY MINERALS PROJECTS



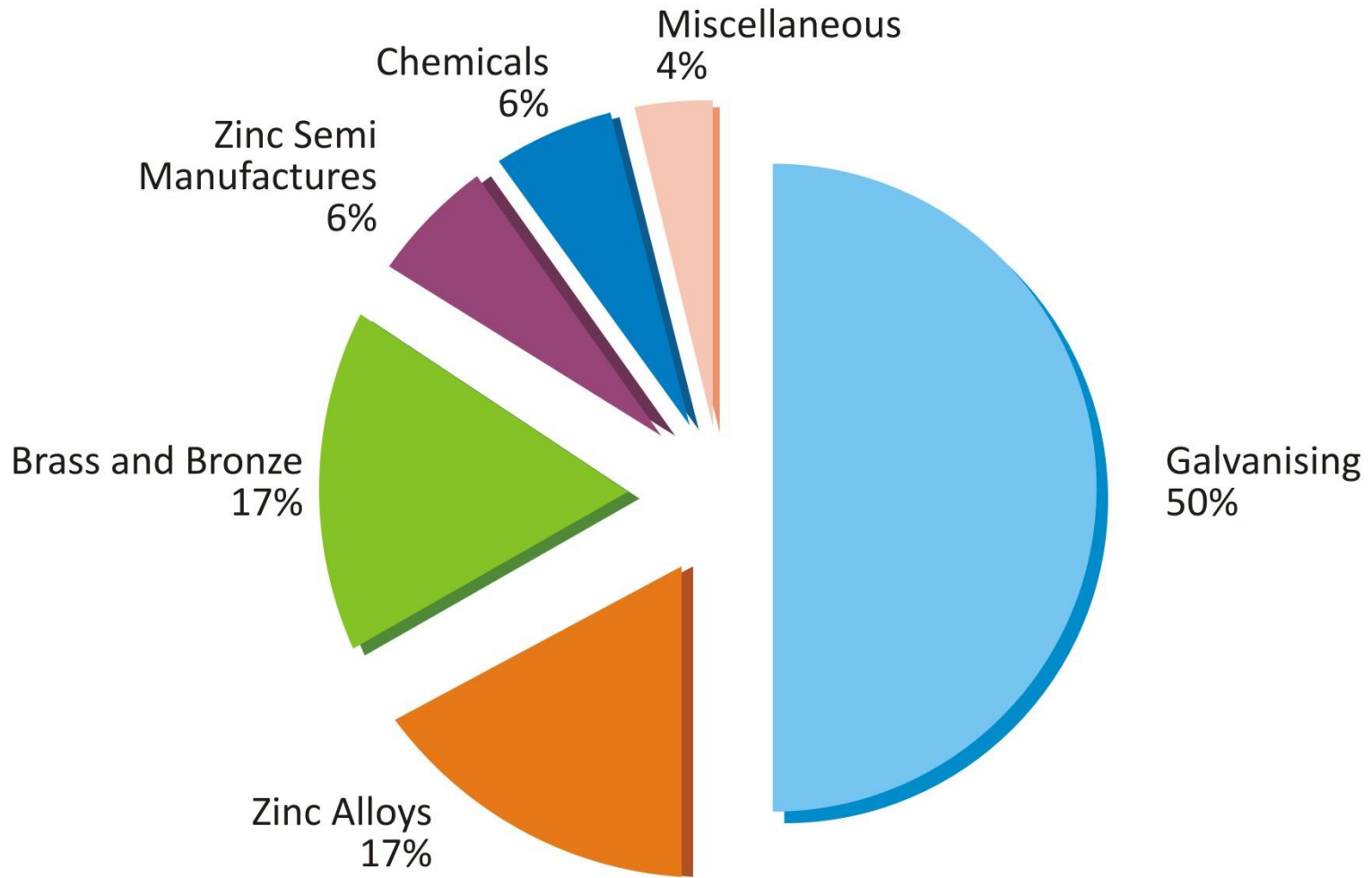


# Where does one look for + 1 Billion ounces Silver

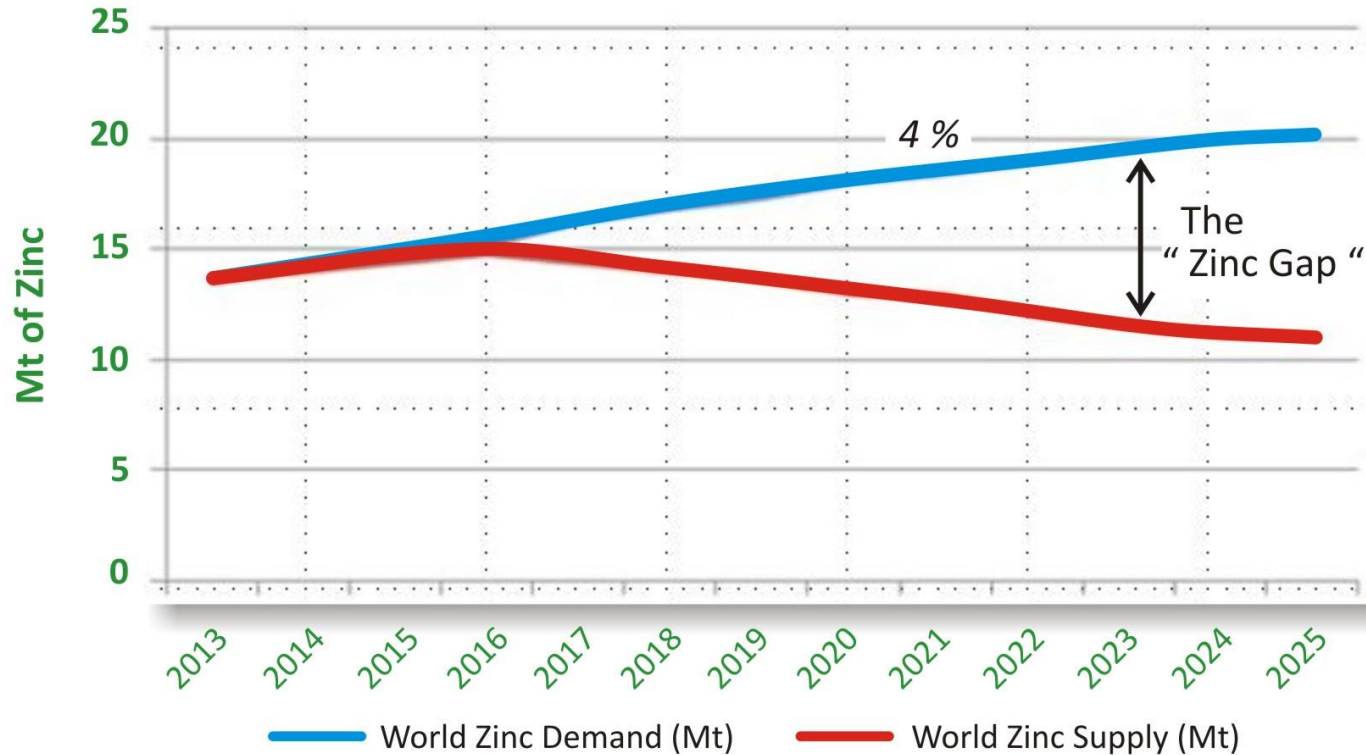
.....elephants



# Major Zinc End Uses



# Global Zinc Demand Supply Forecast (Mt)



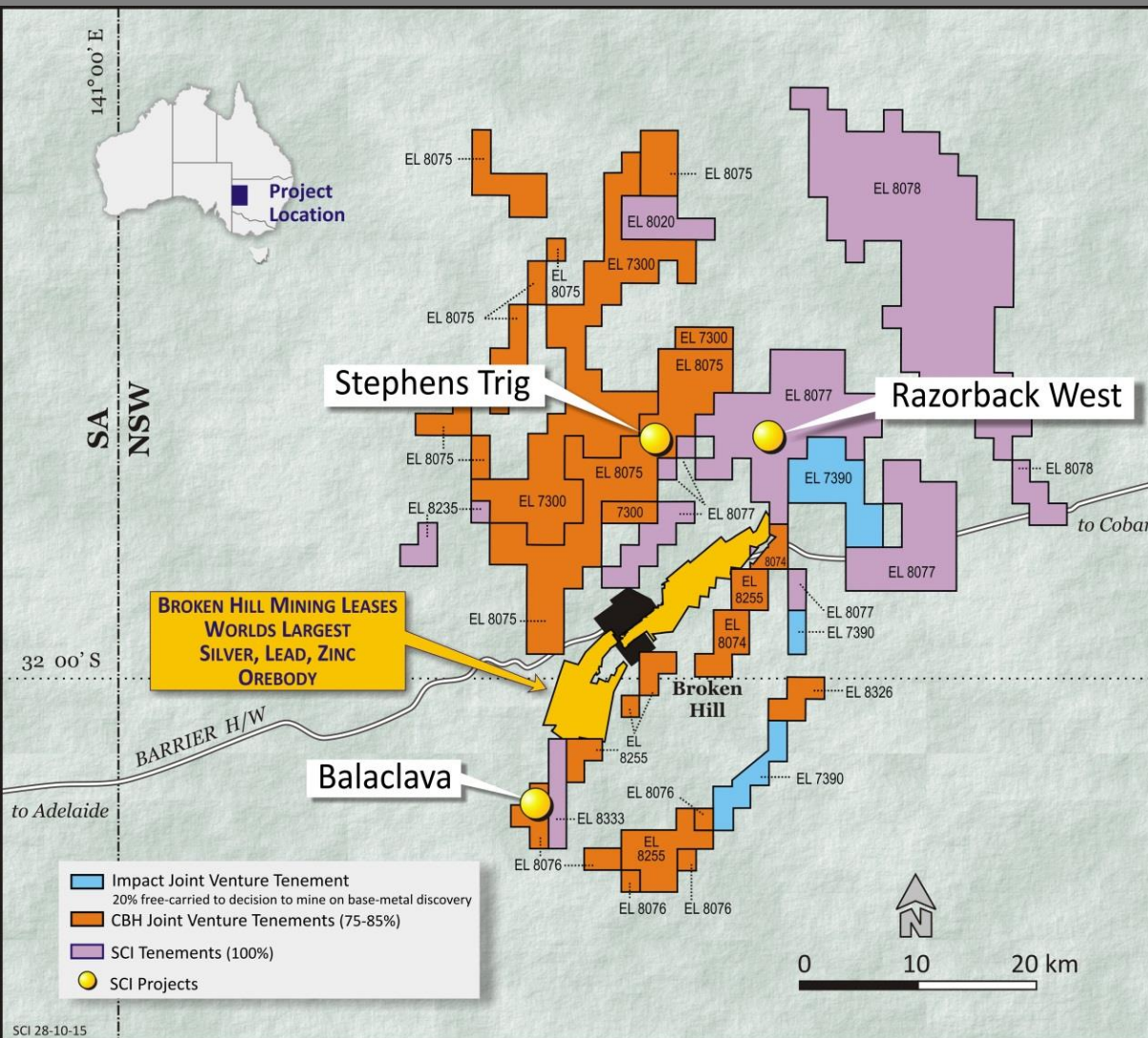
## Increasing Demand-Supply Gap forecast for Zinc

- Demand increasing
- Mines closing
- Limited new mine capacity to fill the gap

Source:  
HDR I Salva

**A new zinc discovery of typical high grade Broken Hill ore (+15% Zn+Pb) will fill a significant part of the shortfall**

# SILVER CITY MINERALS BROKEN HILL



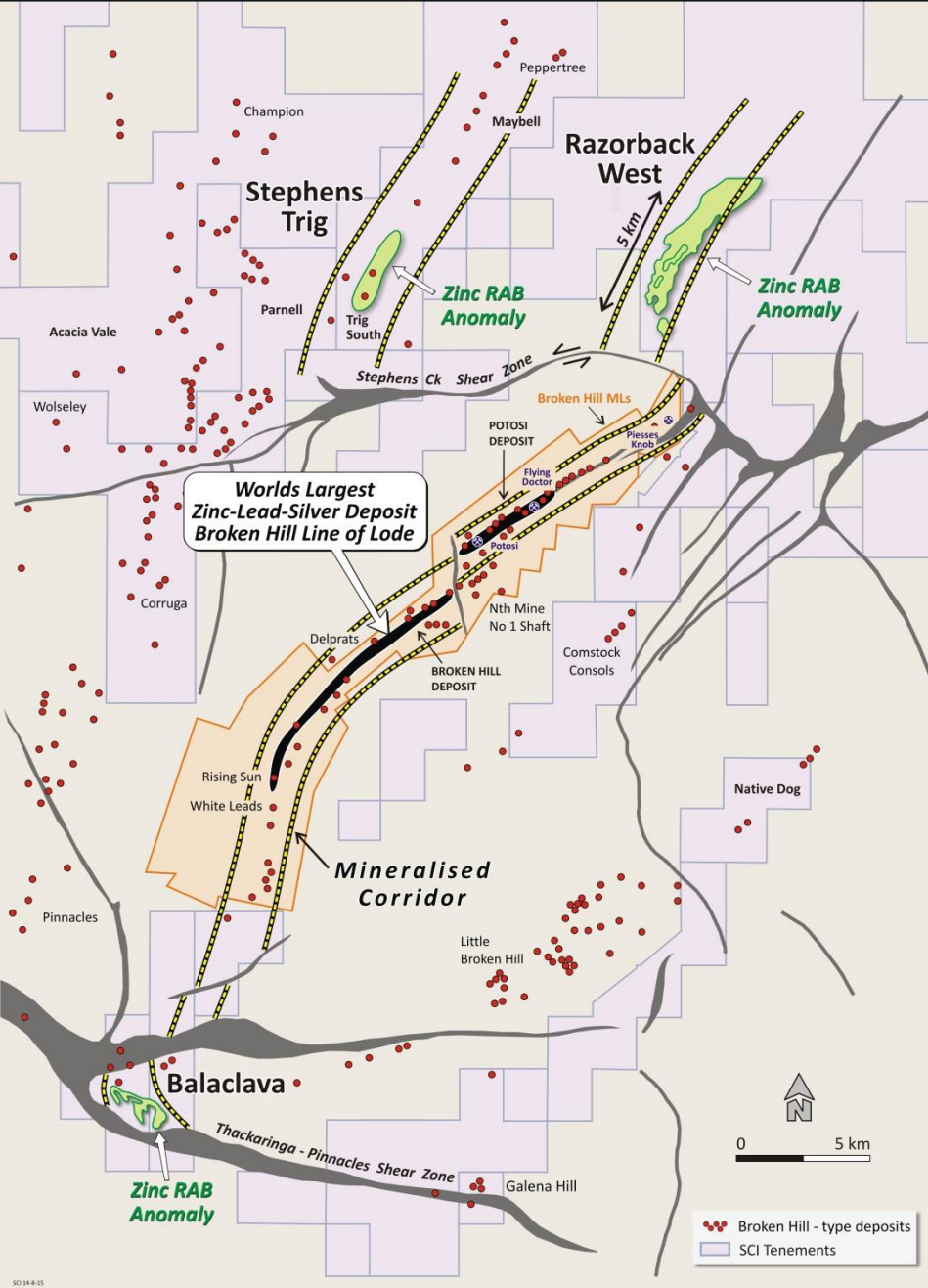
- Strong tenure position
- Belt of prospective rocks and major mineralised structures throughout the tenure
- Partnerships with CBH Resources and Impact Minerals



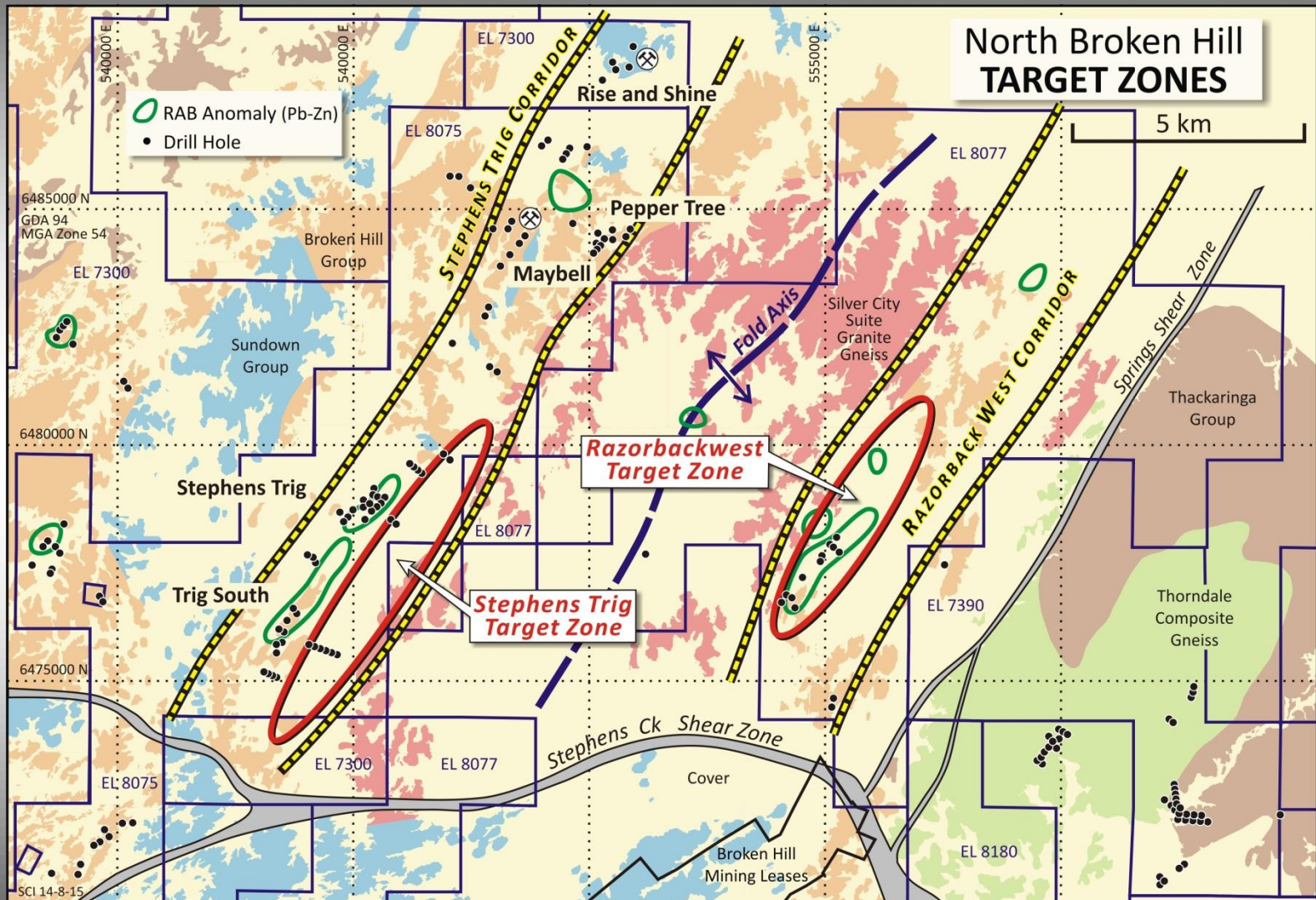
# SILVER CITY MINERALS BROKEN HILL

Evaluation work this year focussed attention on three main areas

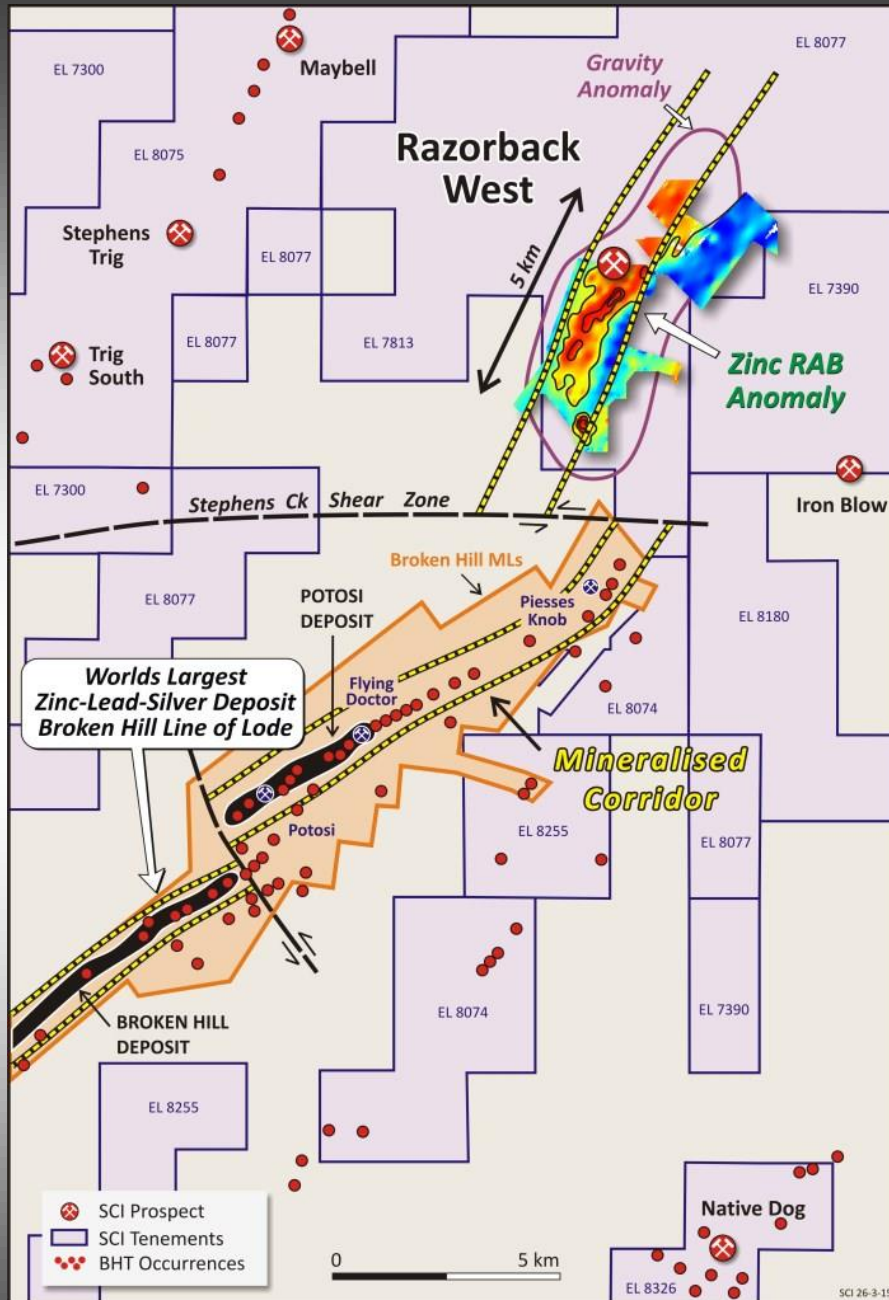
- Razorback West
- Stephens Trig
- Balaclava



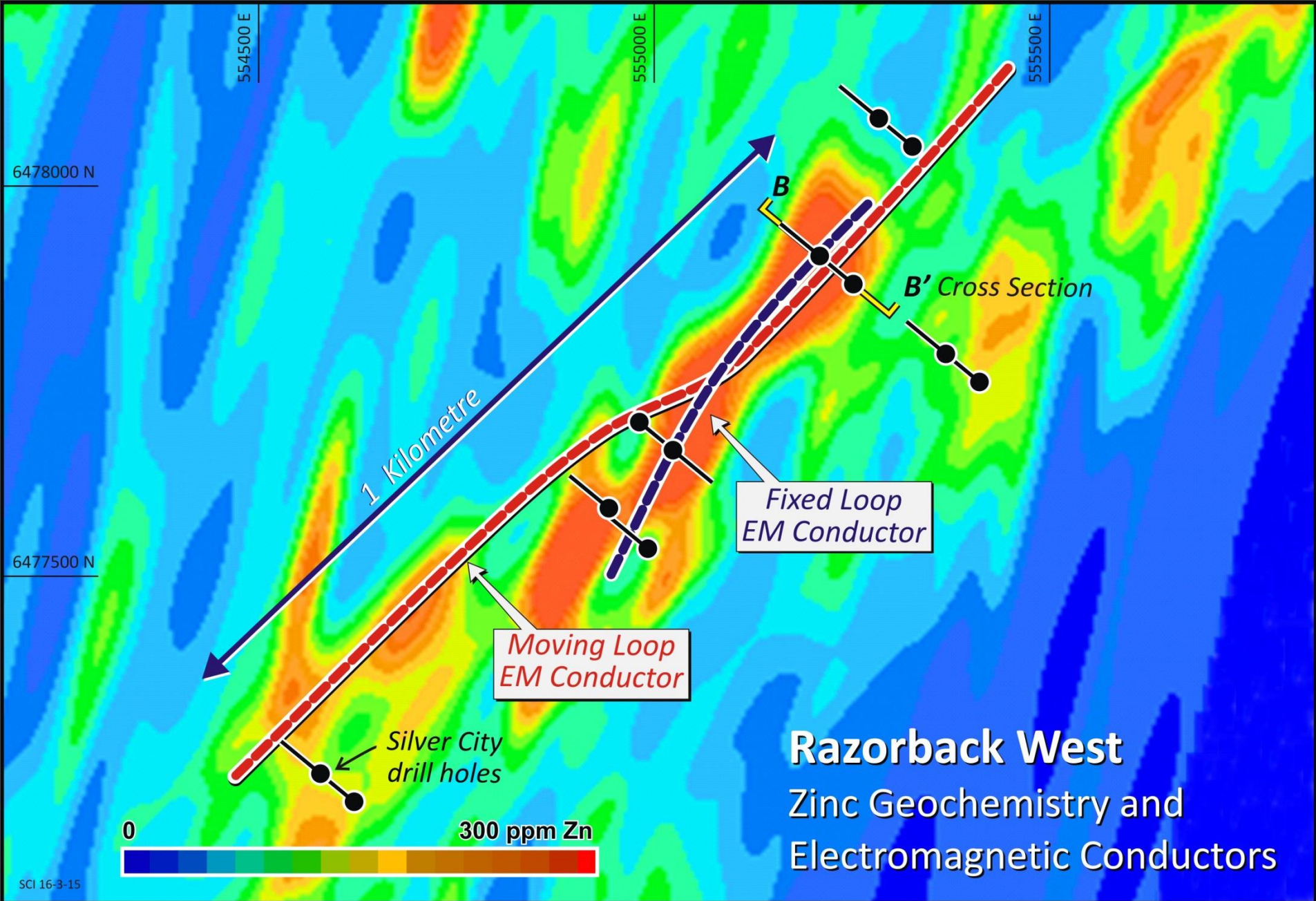
# SILVER CITY MINERALS BROKEN HILL



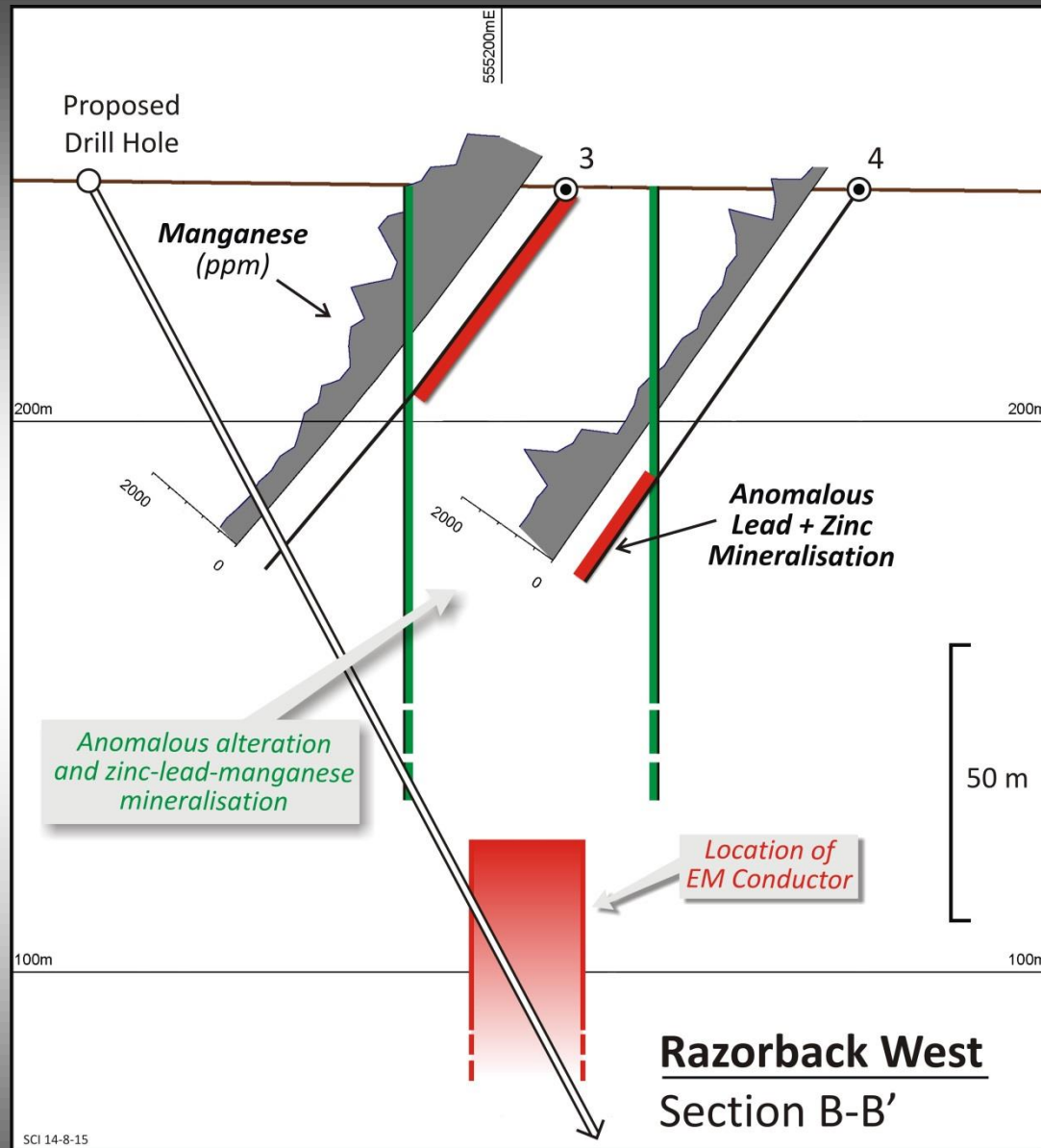
# Razorback West



- Fault offset, northern extension of the Broken Hill mine corridor
- Same geology as Broken Hill under veneer of alluvial cover
- Large untested geochemical and geophysical anomalies

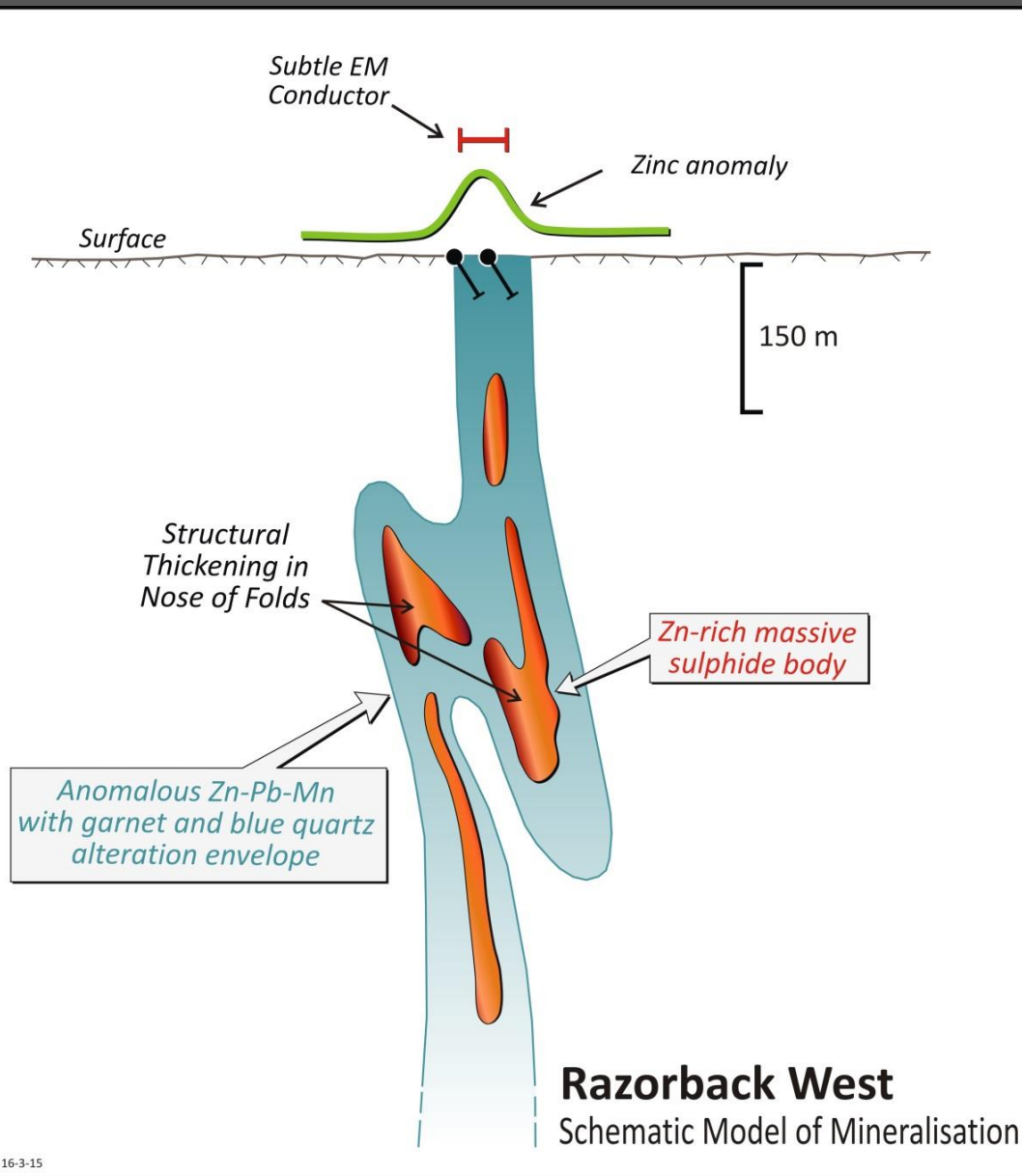


# Razorback West



- Existing holes host elevated zinc, lead and manganese
- EM conductor lies beneath zones of geochemically anomalous rock
- EM interpreted to be 120 metres below surface

# Razorback West



Conceptual cross-section through Razorback West shows

- A surface zinc anomaly in shallow RAB drilling
- Anomalous zinc in shallow reverse circulation drill holes
- The location of an electromagnetic conductor in relation to the zinc anomalism
- A conceptual, zinc-rich massive sulphide body at 120 – 150 metres below the surface; the geophysics suggests this depth
- SCl drill holes intersected the anomalous envelope, but not deep enough to test EM anomaly

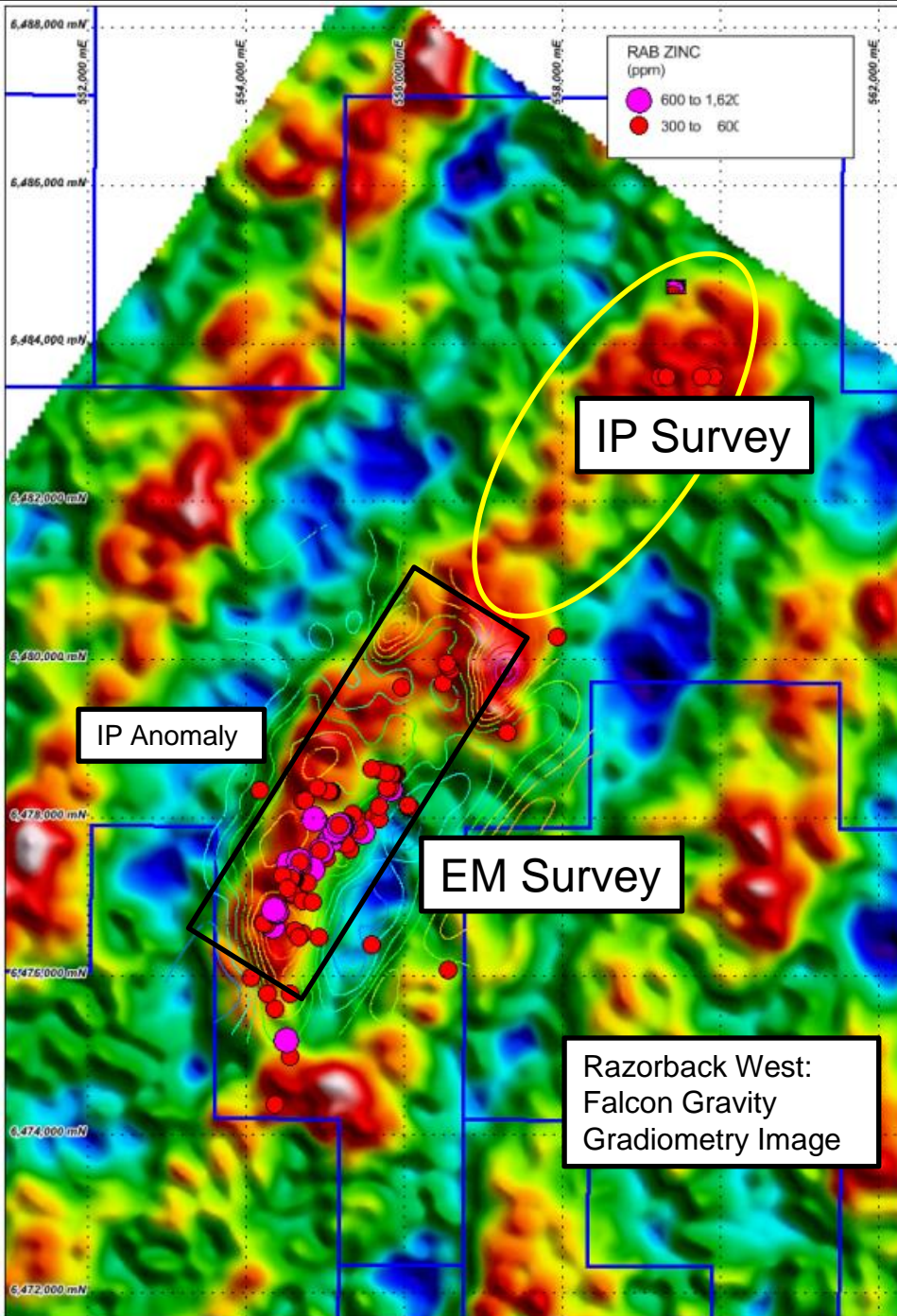
## Conclusion

- Deeper drilling required

# RAZORBACK WEST

## Work Program

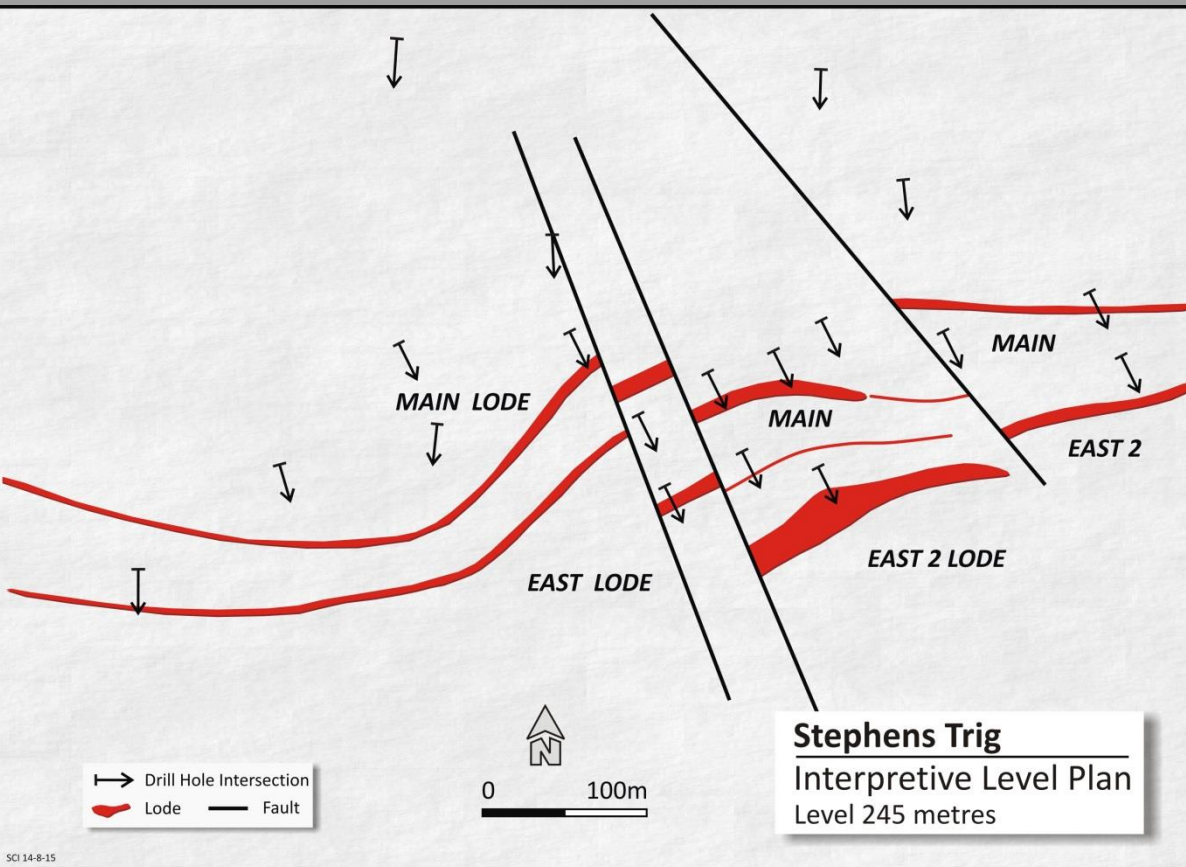
- Target massive sulphides under cover
- Further RAB geochemistry
- IP survey to NE
- Drilling (application for assistance under NSW government New Frontiers Cooperative Drilling)





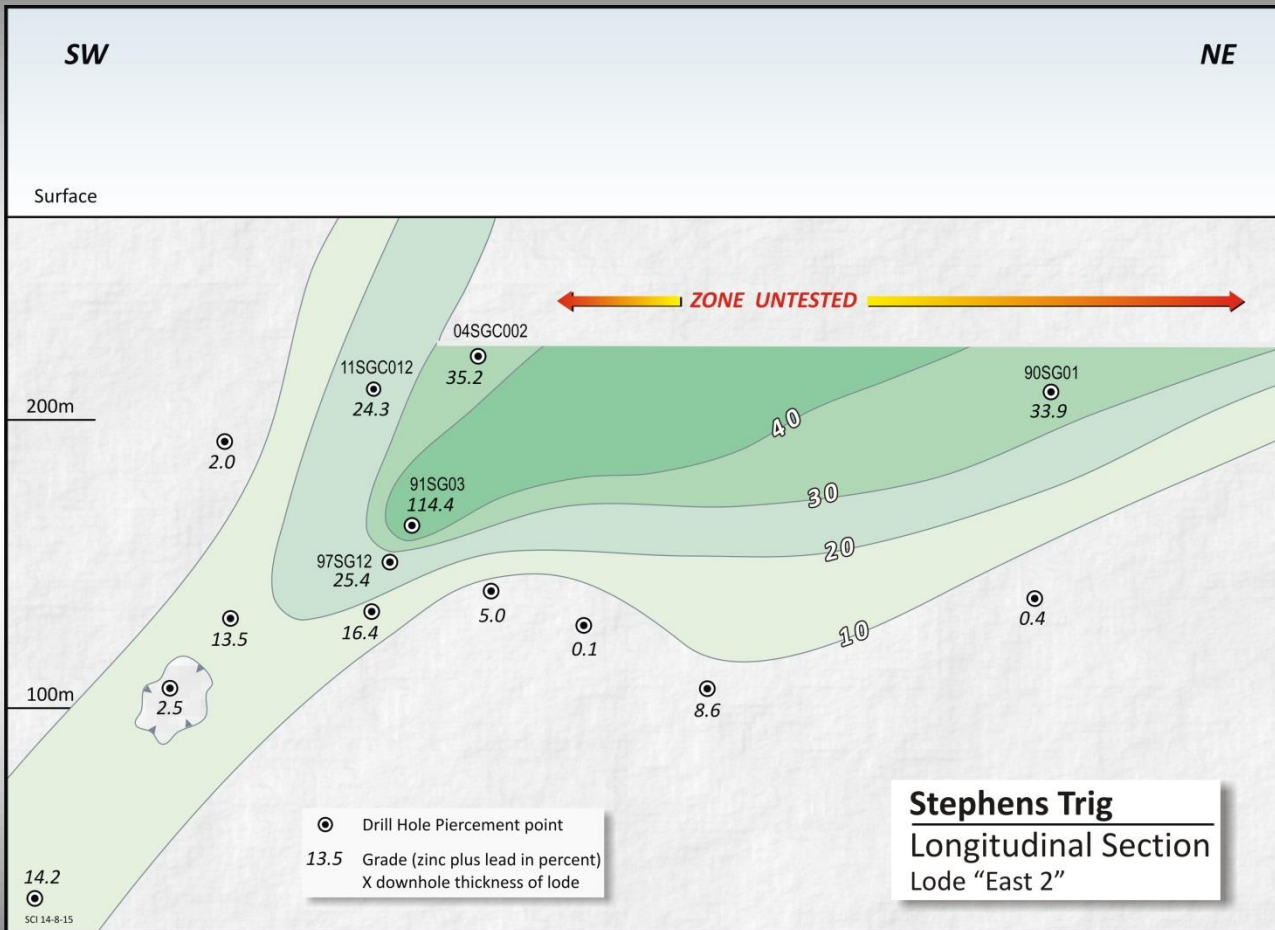


# Stephens Trig



- Series of stacked sulphide lenses extending over 1 kilometre in strike
- SCI has undertaken 3D modelling of sulphide zones and stratigraphy
- Specifically interested in E2 Lode as potential open pit ore

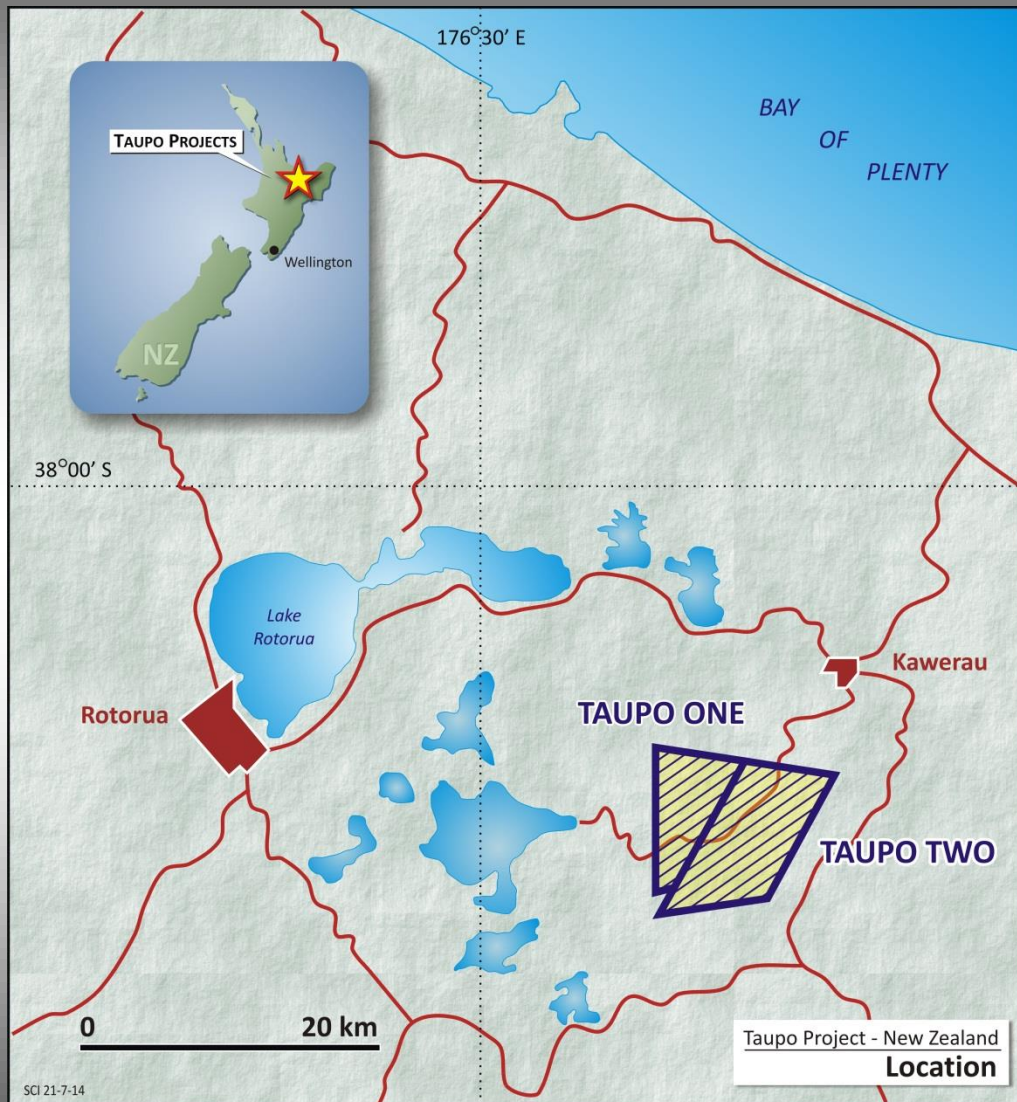
# Stephens Trig E2 Lode



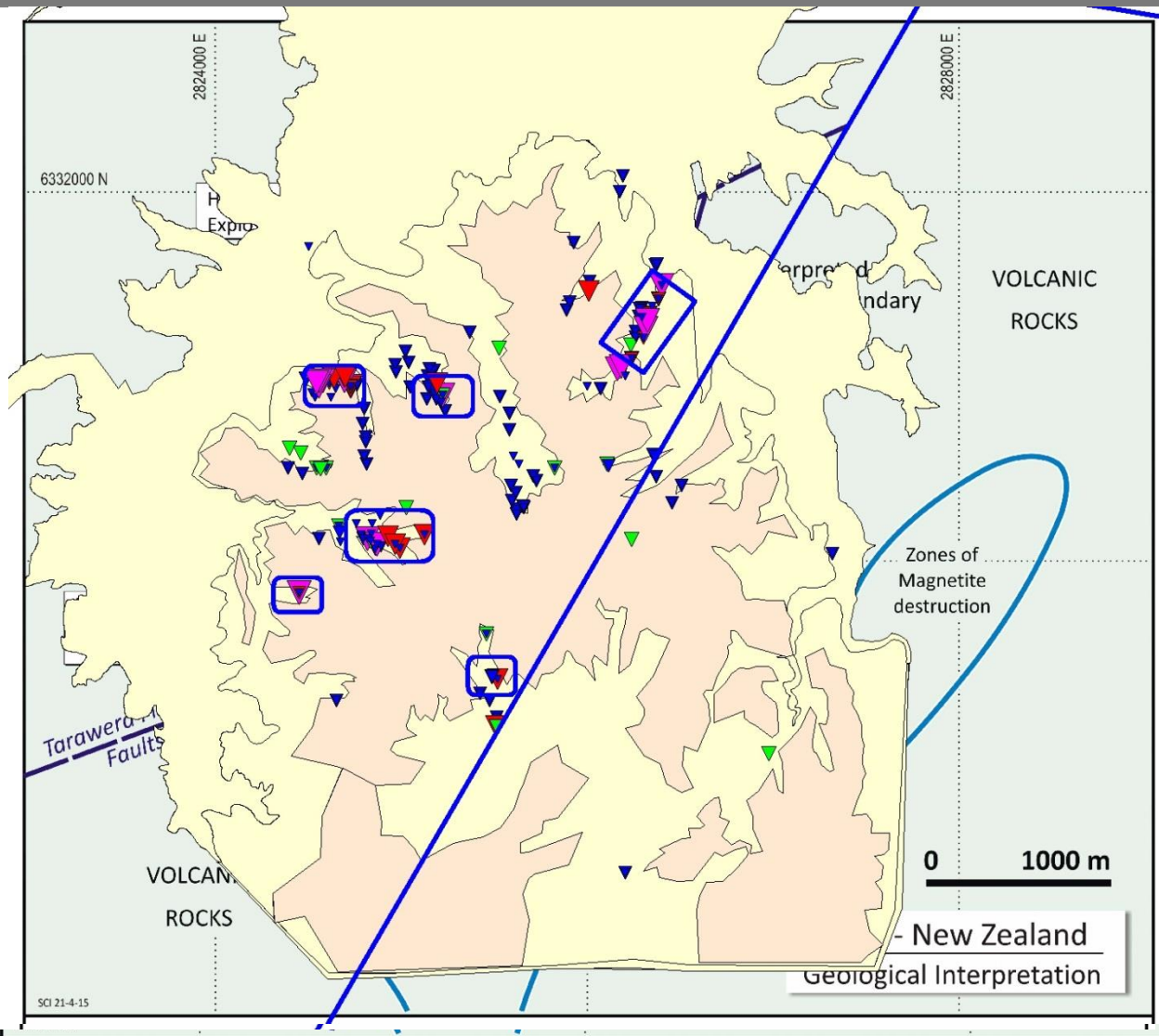
- Up-plunge extensions are untested in zone of potential open pit
- Economic modelling currently ongoing to assess minimum ore-body size and grade required
- Joint Venture with CBH Resources with existing mill only 20 km to south



# Taupo New Zealand

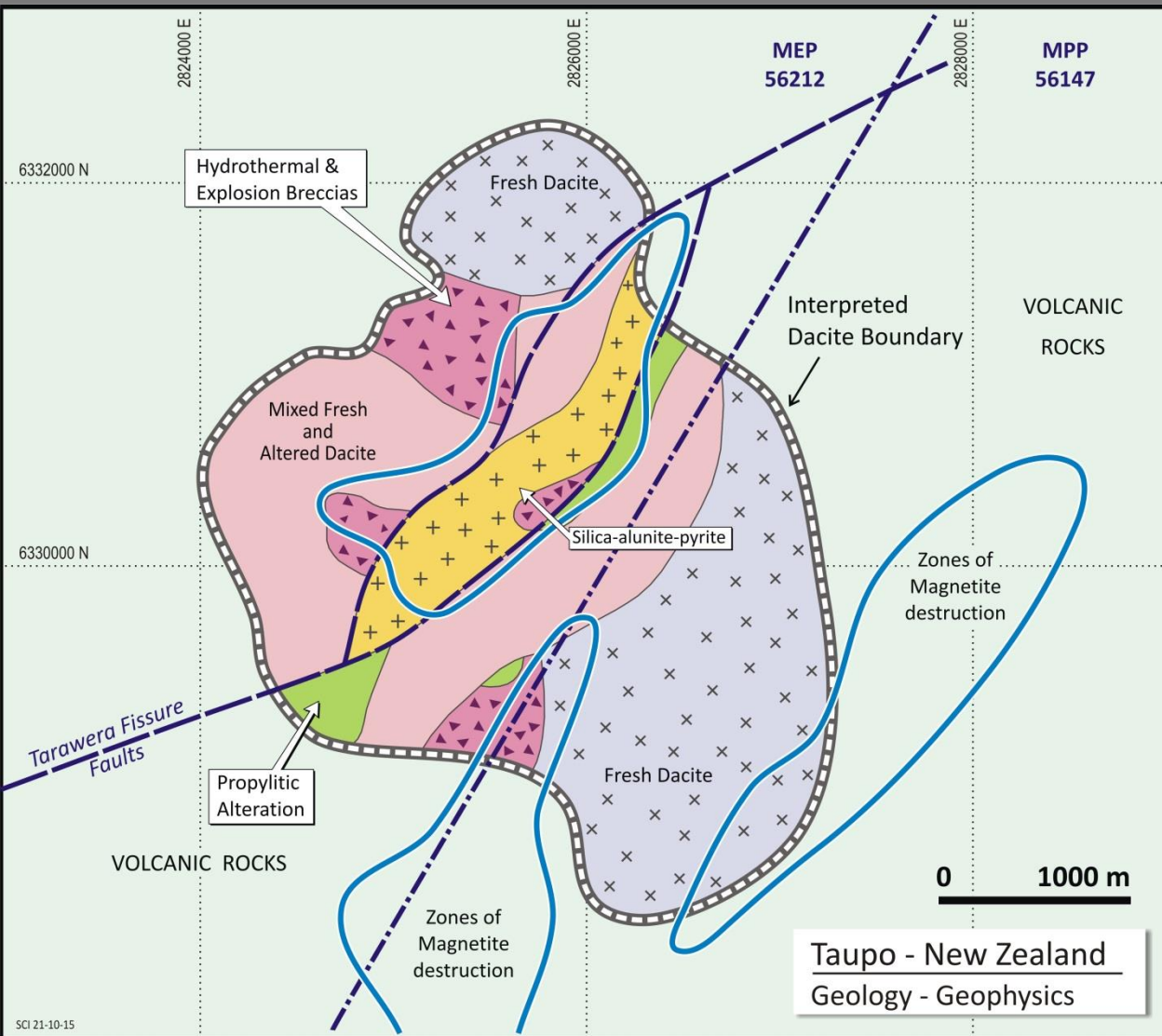


# Goldmine Hill Project



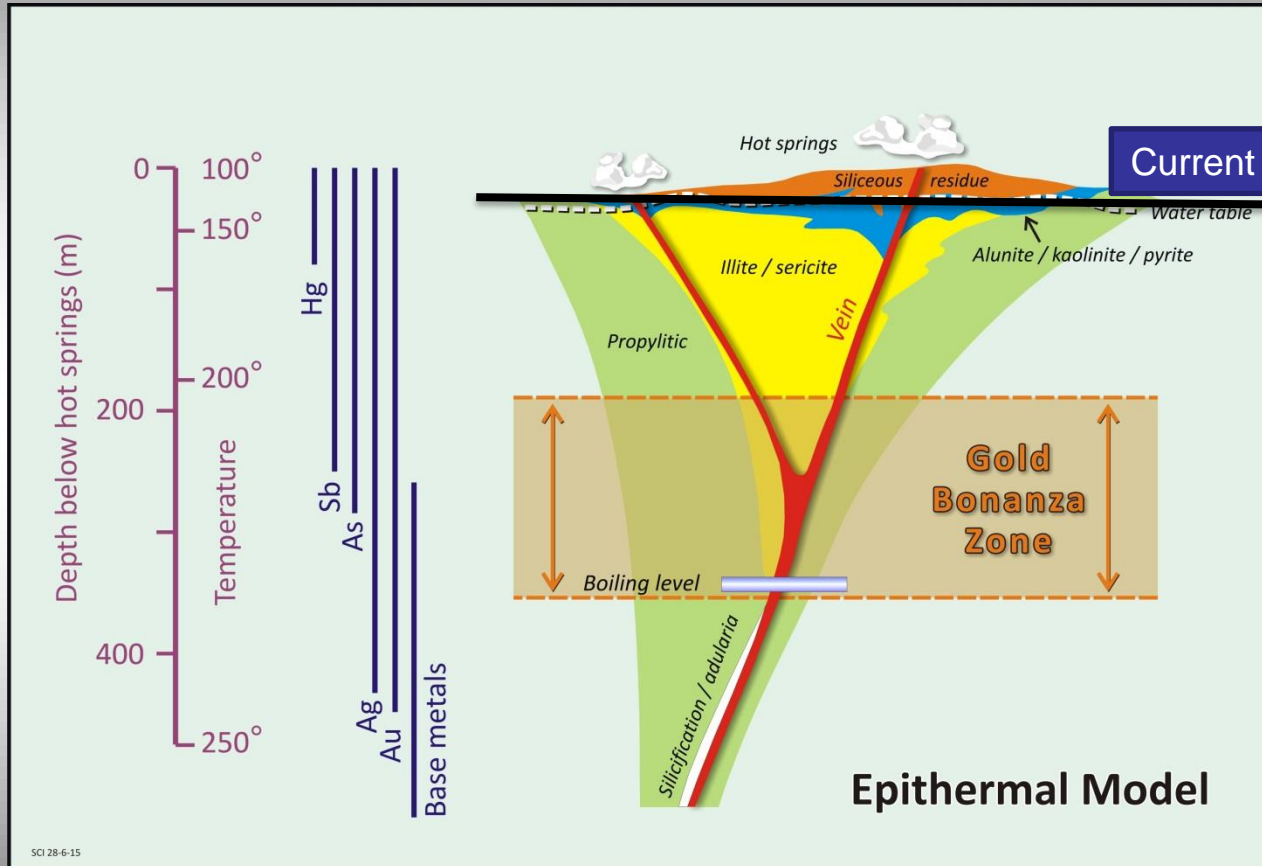
- Outcrop extremely poor. Covered by young volcanic ash, scree and alluvium
- Areas of anomalous gold-arsenic-antimony-tungsten-thallium shown in blue boxes

# Goldmine Hill Project



➤ Interpretive geology based on limited outcrop data

# EPITHERMAL GOLD MODEL



Rocks and geochemistry tell us we are in the upper levels of a poorly eroded, young geothermal system. Gold in this model forms 200m below current surface.

# SILVER CITY MINERALS CONCLUSIONS

## **BROKEN HILL, NSW**

- Large focused land tenure position
- Potential for high grade giant basemetal and silver-rich orebodies
- Focus on Razorback , Stephens Trig and Balaclava
- New round of drilling in planning stage (Razorback and Stephens Trig)

## **TAUPO, NEW ZEALAND**

- Geological mapping and first pass completed
- Magnetic survey and drilling required

## **NEW PROJECTS**

- Search ongoing



# Important Disclaimer

This material contains certain forecasts and forward-looking information, including information about possible or assumed future performance, exploration results, resources or potential growth of Silver City Minerals Limited (SCI), industry growth or other trend projections. Such forecasts and information are not a guarantee of future performance and involve unknown risks and uncertainties, as well as other factors, many of which are beyond the control of Silver City Minerals Limited. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements, depending on a variety of factors. Nothing in this material should be construed as the solicitation of an offer to buy or sell SCI securities.

## Competent Person

Information in this document that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Christopher Torrey, who is the Managing Director and full-time employee to of Silver City Minerals Limited, and a Member of the Australian Institute of Geoscientists. Mr Torrey has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Torrey consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

# SILVER CITY MINERALS LIMITED

ABN 68 130 933 309



**ASX Code: SCI**

Level 1, 80 Chandos Street  
St Leonards  
NSW 2065  
Australia  
+61 2 94371737

[www.silvercityminerals.com.au](http://www.silvercityminerals.com.au)