

## 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 and shareholder 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

ASX Code: SCI

Issued Shares: 116.3 million

Unlisted Options: 10.5 million

Market Cap: \$1.9 million

Cash: (end April 2015) \$2.4 million

Major Shareholders:

The Sentient Group: 17.74%

Variscan Group: 12.47%

Top 20: 55.95%

Share Price: High \$0.080

(12 months) Low \$0.011



### **Board of Directors**









#### **Bob Besley** Chairman

Geologist with over 40 years experience in mining and exploration. Founder and original Managing Director of CBH Resources Limited. Bob took that company from inception as a junior explorer to a large zinc, lead and silver producer with a peak market cap of \$600m. Currently Non-Exec Director KBL Mining Limited.

#### **Chris Torrey** Managing Director

Geologist with over 35 years experience in international mineral exploration. Senior management and consulting roles with Cyprus-Amax, ASX-listed Golden Cross Resources, US-listed Golden Minerals and Apex Silver. Past Chairman of Golden Cross Resources.

#### lan Plimer Non-Executive Director

Ian Plimer was the inaugural Professor of Mining Geology (University of Adelaide) and Emeritus Professor of Earth Sciences at The University of Melbourne. Ian is considered to be the world expert on the geology of the Broken Hill orebody on which he has worked and published extensively for almost 50 years.

#### **Greg Jones** Non-Executive Director

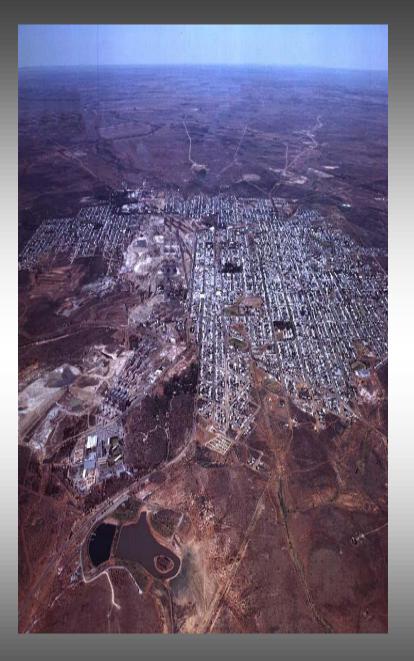
Greg is a geologist with 35 years exploration and mine operational experience. Senior management roles with Western Mining and Sino Gold. He currently holds directorships with ASX-listed companies; Moly Mines, Eastern Iron Limited and Thomson Resources. Greg is the Managing Director of Variscan Mines Limited.

#### lan Hume Non-Executive Director

lan was a founding partner of The Sentient Group, a private equity fund specialising in global investment in the resources sector. Long career of investing in international mining and telecommunications, primarily in North and South America, Russia and the Pacific Rim.

#### Yanina Barila Alternate Non-Executive Director

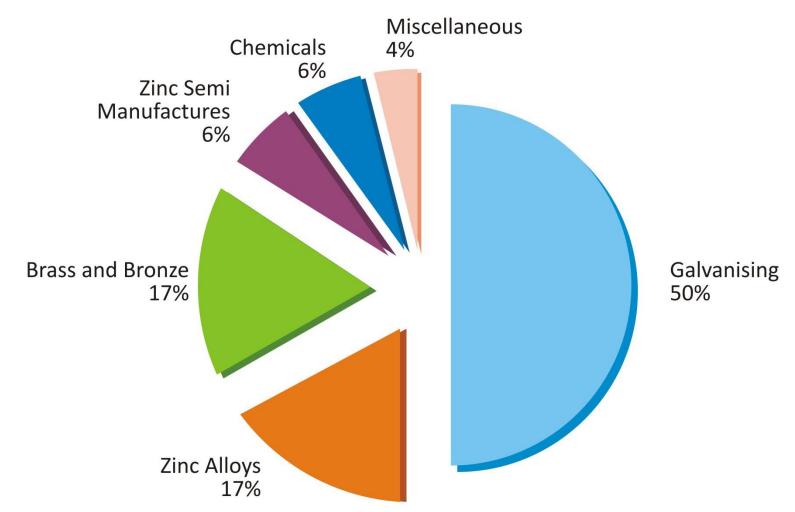
Yanina is an investment manager with The Sentient Group. Yanina brings international experience in the review and evaluation of mining and energy projects and her areas of expertise include financial modelling and equity research. She is a non-executive director of TSX-list Tinka Resources Limited.



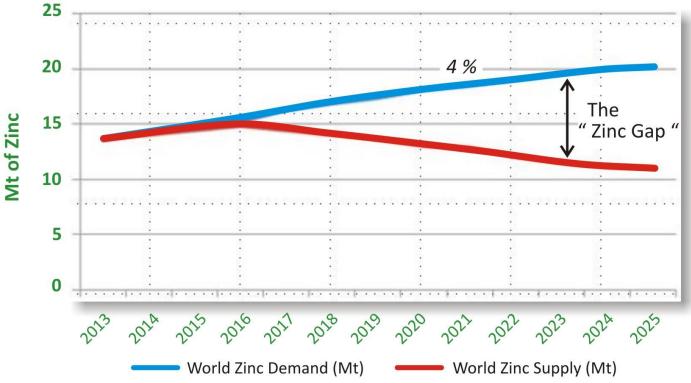
# So why Invest in Silver City Minerals?

- Two key projects immediately north and south of world's largest Zinc-Lead-Silver deposit.
- Projected shortfall in Zinc supply.
- Zinc-lead sulphide targets and proximity to two sulphide treatment mills with +1mtpa excess capacity.
- Secure and under-explored tenure.
- New targets identified
- Excellent infrastructure









#### **Increasing Demand-Supply Gap forecast for Zinc**

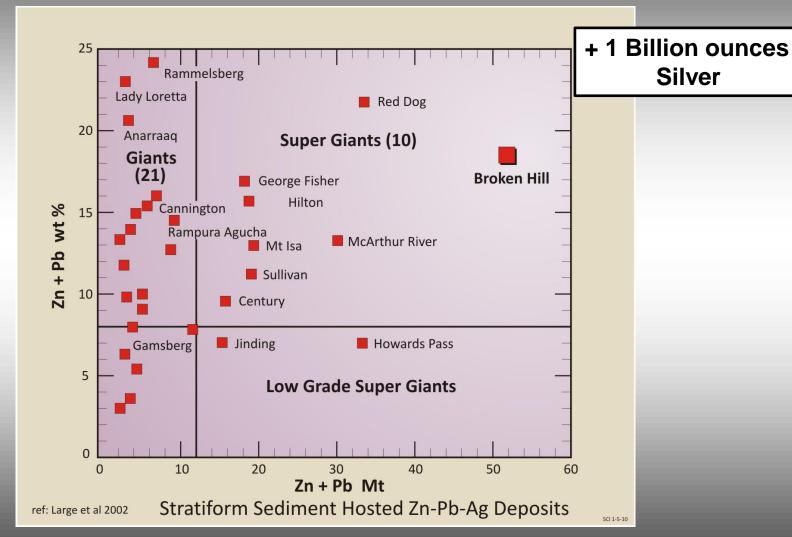
- > Demand increasing
- Mines closing
- Limited new mine capacity to fill the gap

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



## So where does one look for ...?

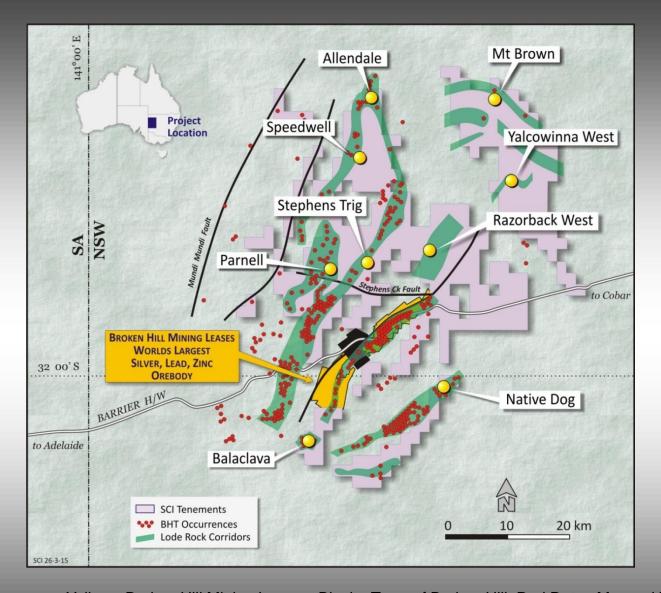




#### **BROKEN HILL MINE**

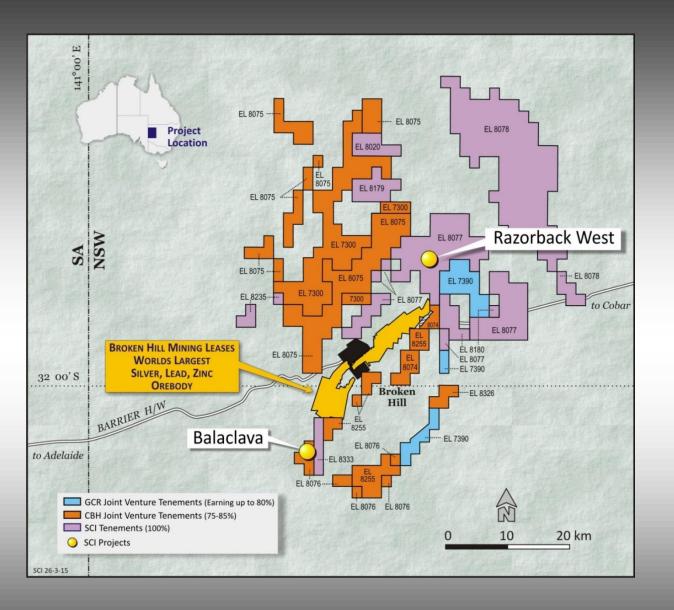
- >Continuously mined for over 130 years to present day
- Largest and richest lead-zinc-silver deposit in the world.
- >300 million tonnes averaging >15% combined lead and zinc and 100-300g/t silver, over 150MT at +20%.
- >Historical importance for Australia: A Global Company Maker
- ➤ Birthplace of BHP and RioTinto
- >First use of flotation process for separation and collection of sulphides
- >Birthplace of modern occupational health and safety
- >Took Australia from and agricultural economy into the industrial age.

## EXPLORATION BY SILVER CITY MINERALS IS DONE IN THE SHADOW OF THE SUPERGIANT



- Belt of prospective rocks throughout the tenure
- "Lode" rocks, mineral occurrences and old workings.
- 50% of tenure lies under shallow cover

Yellow= Broken Hill Mining Leases, Black= Town of Broken Hill, Red Dots= Mapped locations of Broken Hill-type mineralisation, Green= Belts of prospective Broken Hill Group rocks and White Labels=SCI projects



## **Key Projects**

## Razorback West (100% SCI)

Northern extension of the Broken Hill Line-of-Lode mine sequence.

Balaclava (75% SCI, 25% CBH)
Southern extension

.....both offset from Broken Hill by faults

#### EL 8077 Gravity Maybell EL 7300 Anomaly Razorback EL 8075 West Stephens 🔕 Trig EL 8077 EL 7390 EL 8077 EL 7813 • South Zinc RAB **Anomaly** EL 7300 Stephens Ck | Shear Zone Iron Blow Broken Hill MLs **POTOSI** EL 8077 EL 8180 DEPOSIT **Worlds Largest** Zinc-Lead-Silver Deposit EL 8074 Broken Hill Line of Lode Mineralised Corridor EL 8255 EL 8077 EL 7390 EL 8074 DEPOSIT EL 8255 **Native Dog** SCI Prospect SCI Tenements 5 km

### 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 **EL 8077** 100% SCI EM Conductor EL 7390 JV with GCR 1000 m **Drill Targets** RAB/Auger Lead (ppm) IP Chargeability (mV/V) SCI Drill Holes

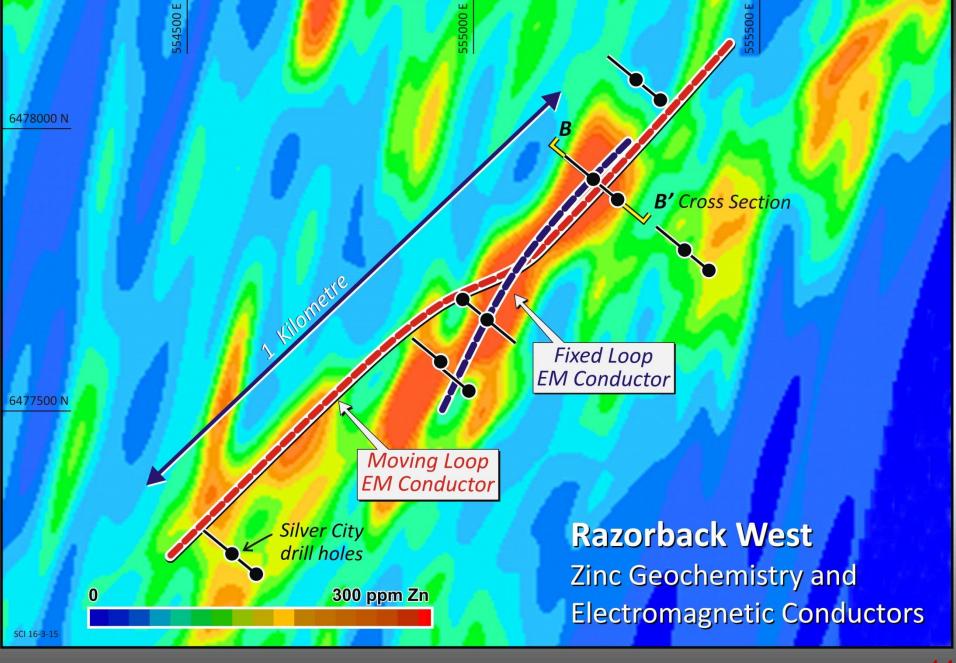
### Razorback West

## Seven new drill targets based on:

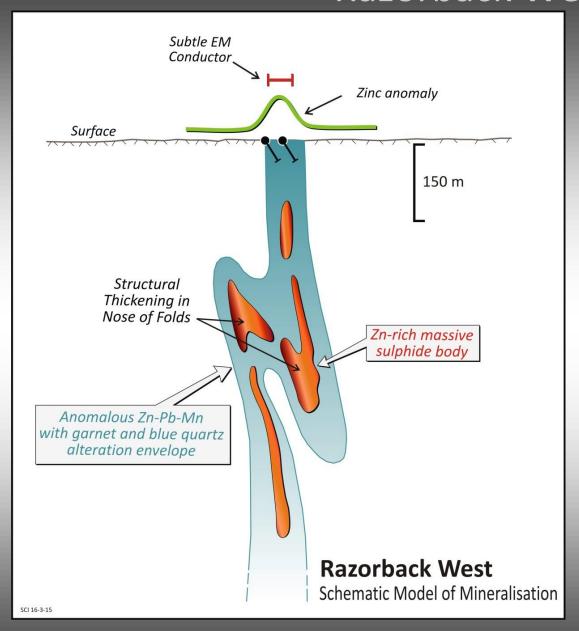
- induced polarisation
- electromagnetics
- geochemical sampling

#### Notes:

- IP Chargeability maps the distribution of sulphide minerals in the rock. Hot colours are areas of greatest concentration
- 2. Contours in black show the distribution of anomalous lead in shallow RAB drilling
- Black line shows the location of the electromagnetic conductor, where sufficient sulphide is present to conduct electricity. On the next slide this is strongly coincident with peak zinc values.
- 4. Black Dots are the location of SCI drillholes from first phase of drilling.
- 5. Red Crosses are new drill targets.



### Razorback West

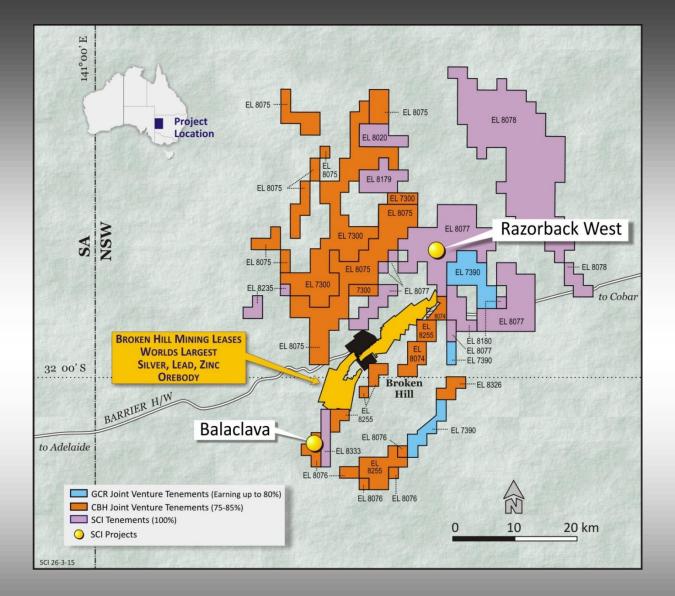


## Conceptual cross-section through Razorback West shows

- 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
- SCI drill holes intersected the anomalous envelope, but not deep enough to test EM anomaly

#### Conclusion

Deeper drilling required



## **Key Projects**

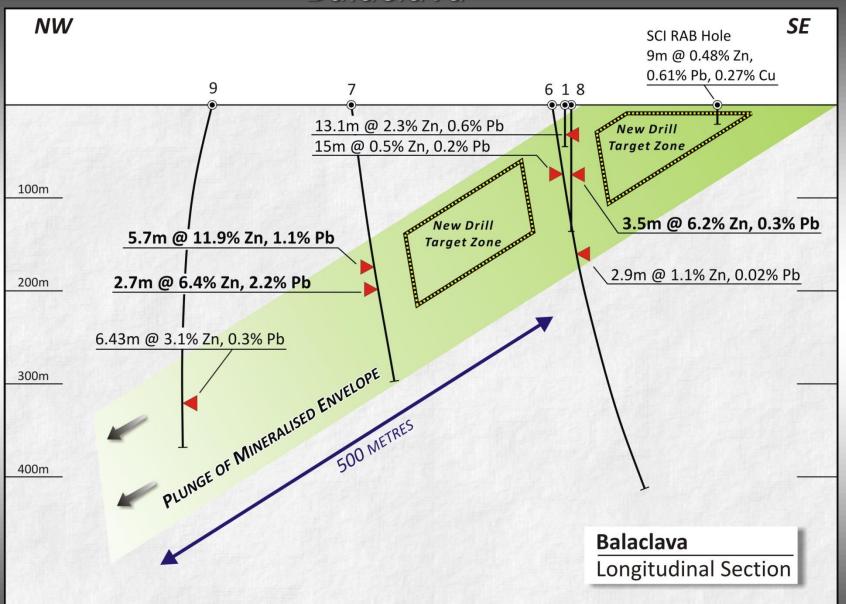
## Razorback West (100% SCI)

Northern extension of the Broken Hill Line-of-Lode mine sequence.

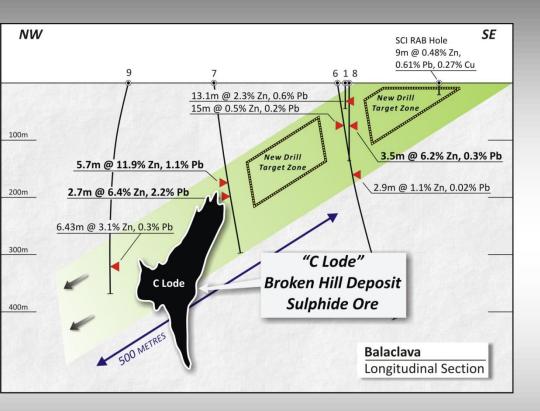
Balaclava (75% SCI, 25% CBH)
Southern extension

.....both offset from Broken Hill by faults

## Balaclava



### Balaclava



Unlike Razorback West, Balaclava has been tested by deeper drilling:

- The longitudinal section shows significant zinc and lead intersections hosted in a northwest plunging shoot.
- The drill hole spacing exceeds 200 metres. This diagram shows a cross-section of an important ore shoot at Broken Hill (the "C-Lode") could easily be present next to and be partly intersected in hole 7.
- The up-plunge extensions of this shoot remain to be tested.
- A shallow proof-of-concept hole drilled by Silver City Minerals intersected a gossan (oxidized sulphides) and returned 9 metres of zinc-lead-copper mineralisation.



## Why Invest in SCI?

- Project Location
- > An Option on Zinc Price
- Potential for Discovery

Where does one look for elephants?

In elephant country!

Come and visit us at: Booth 26

## SILVER CITY MINERALS LIMITED

ABN 68 130 933 309





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

www.silvercityminerals.com.au