



**SYNDICATED**  
METALS

ASX Code: SMD

*An Australian Copper Growth Company*



## New exploration push driving value and growth

Resources Rising Stars Investor Luncheon – 26 June 2015

Andrew Munckton, Managing Director



# The New Australian Copper Growth Project



Captured Opportunity and Recapitalised Company	✓
Rationalised Ownership of Tenure and Projects	✓
Introduced Strategic Partner and Major Shareholder - CopperChem	✓
Barbara Drilling Success and Resource Upgrade	✓
Barbara Feasibility Study and Decision to Mine	Q3
Regional Exploration – Mt Remarkable	Ongoing
Regional Exploration – Southern Hub	Ongoing
Multi-pronged exploration campaign underway to grow North Queensland copper inventory with new phase of drilling commencing in early July...	

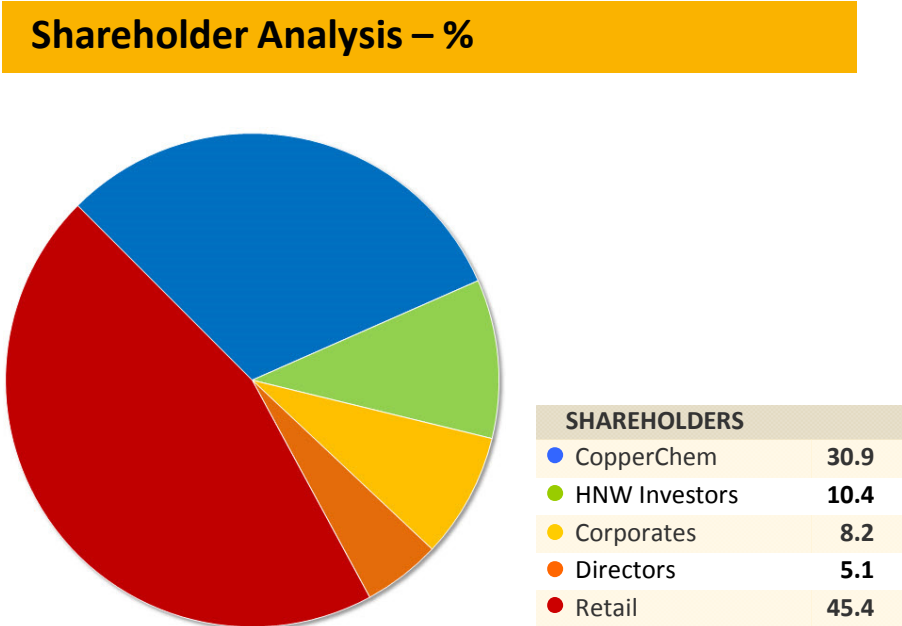




# Corporate Snapshot

🚩 An emerging North Queensland copper company with strong backing

Ordinary Shares	374.2M
Unlisted Options @ 6.4c – 24.6c	11.8M
Performance Rights	19.1M
Share Price @ 23 <sup>rd</sup> June 2015	2.3c
Market Capitalisation	\$8.6M
Cash 31 <sup>st</sup> May 2015	\$1.9M
Top 20 shareholders	55%
CopperChem Ltd	30.9%
Ottomin Group	4.4%
Korea Zinc	3.6%
Directors	5.1%



Board of Directors – An Experienced and Focused Team	
Peter Langworthy – Chairman	Ex-Jubilee, WMC
Andrew Munckton – Managing Director	Ex-Gindalbie Metals, Goldfields LTD
David Morgan – Non-Exec Director	Ex-Sundance Resources, Equigold NL
Rob Cooper – Non-Exec Director	CEO – CopperChem Ltd / Exco Resources



# Investment Proposition



## Barbara Copper Project

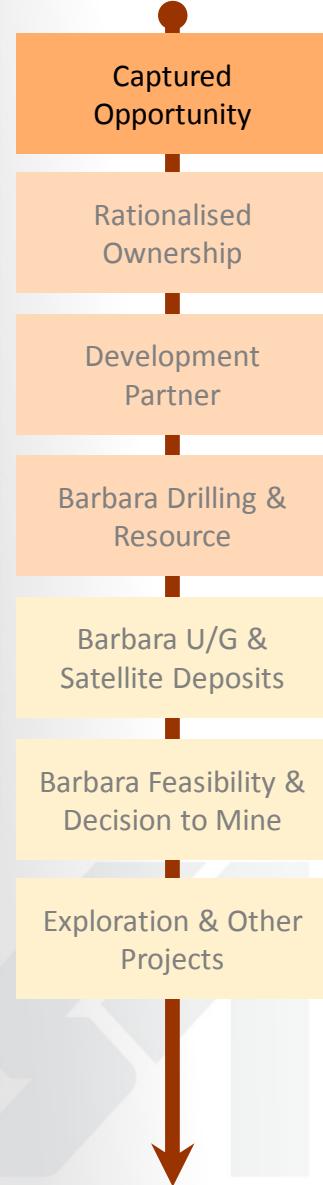
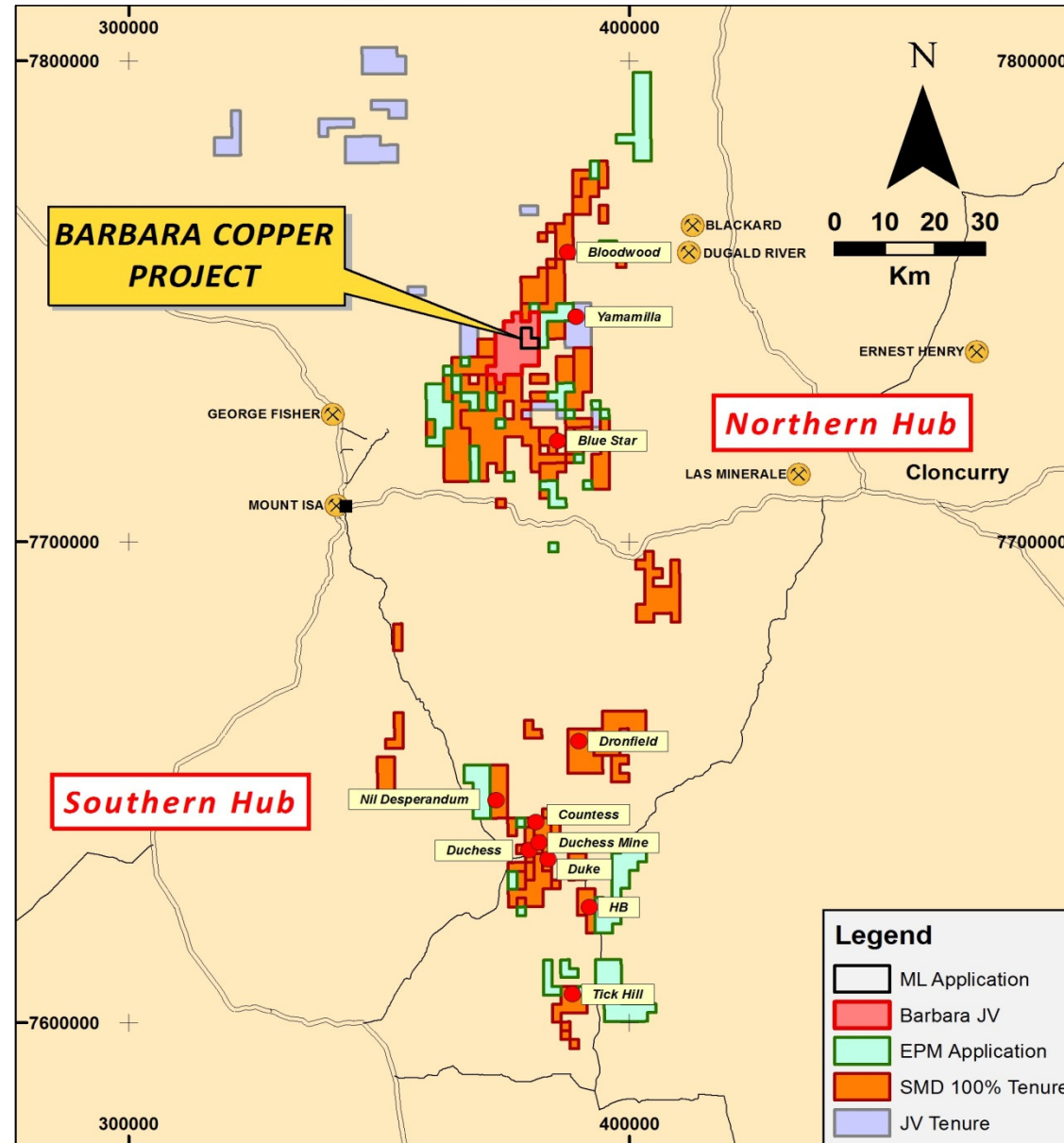
- 5-7 year mine life target
  - 2 year Barbara Open Pit
  - 2-3 year Barbara Underground
  - 1-2 year Satellites
- Strong margins from Offsite processing study (2 year Open Pit only)
- Potential cost savings and production increases with increased resources
- Compelling logic for On-site processing

## Complimentary North Hub projects

- 100% owned projects within trucking distance
- Excellent exploration and growth upside

## Standalone South Hub projects

- High-grade copper-gold deposits
- Excellent exploration and growth upside





# Development Partner – Catalyst for Near-Term Production

## Barbara 50/50 JV with CopperChem Ltd:

### Project catalyst:

- Immediate development pathway for high-grade Barbara deposit

### CopperChem an experienced operator with:

- Processing plant and capacity
- Mining equipment and team
- Large, supportive parent company

### Major driver of value:

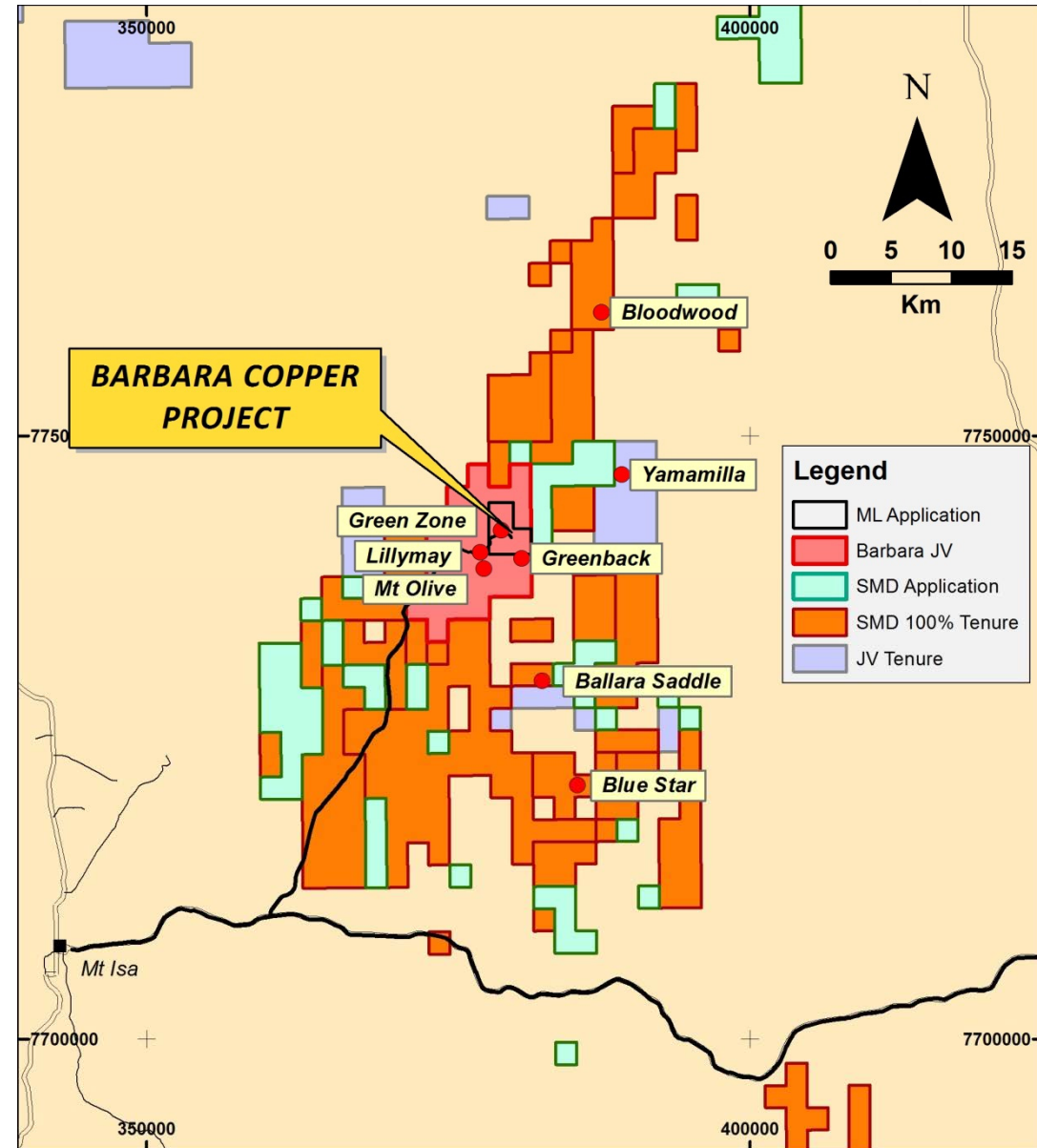
- Minimises equity dilution
- Reduces capital investment risk
- Established operating costs

### Reduced risks of:

- Project execution
- Product specifications and sales

### Other benefits:

- Co-funding of near mine exploration



Captured Opportunity

Rationalised Ownership

Development Partner

Barbara Drilling & Resource

Barbara U/G & Satellite Deposits

Barbara Feasibility & Decision to Mine

Exploration & Other Projects

# Barbara Feasibility Study



Resource drill-out



De-watering



Mineral Resource update



Mine design



Haul road design



Infrastructure layout



## Feasibility Study:

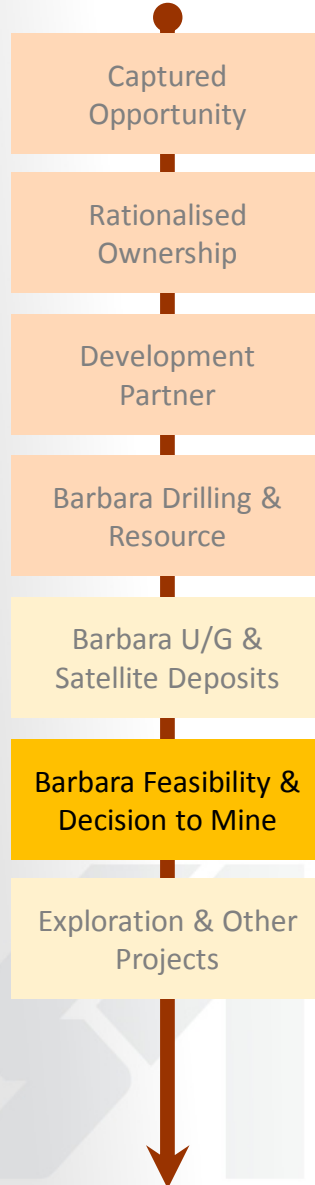
- *CopperChem funding to Decision to Mine*
- *Contract Mining*
- *Off-site processing assessment complete*
- *On-site processing now under review*

## Approvals and Permits

- *Native title, Pastoral leaseholder*
- *EIS complete, MLA submitted*

## Scope and Timeline

- *On-site processing review by Q3, 2015*
- *2 year LOM in Open Pit*
  - *Potential for UG extension*
  - *JV-owned satellites*
  - *Increased power, water and tailings*
- *Process ore to concentrate at site*
- *Sell to local customers*





# Barbara Copper Project – Extending the Mine Life



## Off-site processing

- 2-year open pit mining – dig and deliver ore
- High grade 2.0% Cu – strong margin
- Transport, TC/RC and selling costs were at cyclical high
- <60% conversion of Resources to Reserves

## Logic for on-site processing at Barbara:

- Significant saving on trucking costs
- Barbara OP – increase resources by 7Kt Cu
- Barbara UG – Exploration Target 2.5-4.0Mt @ 1.5-2.5% Cu\*
- Barbara Satellites – Exploration Target of 0.4-0.8Mt @ 2.0-3.0% Cu\*

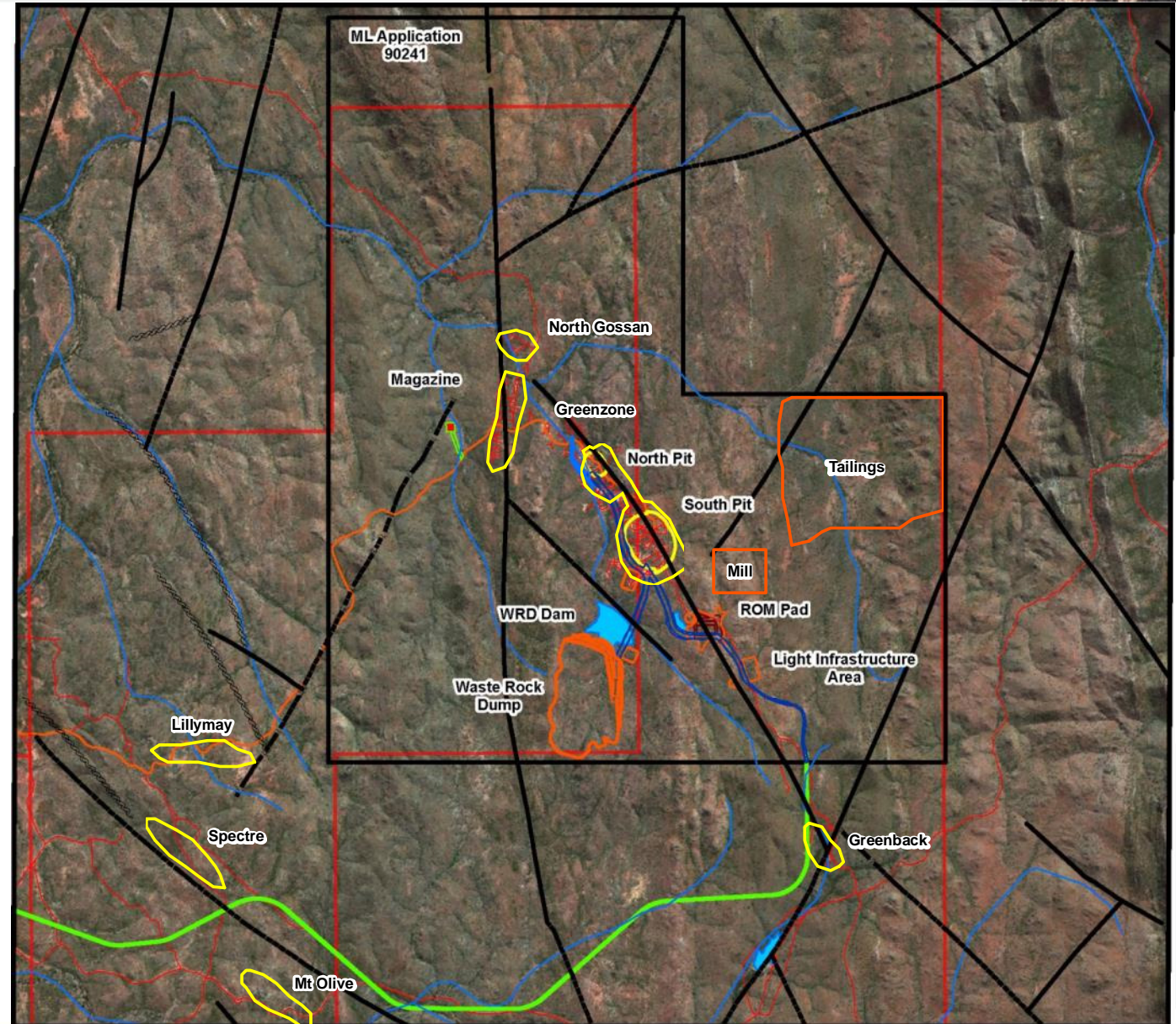
## Additional drivers of value:

- Higher grade cons with reduced transport cost
- Nearby SMD projects able to be considered
- CopperChem has under-utilised equipment

## Onsite processing study

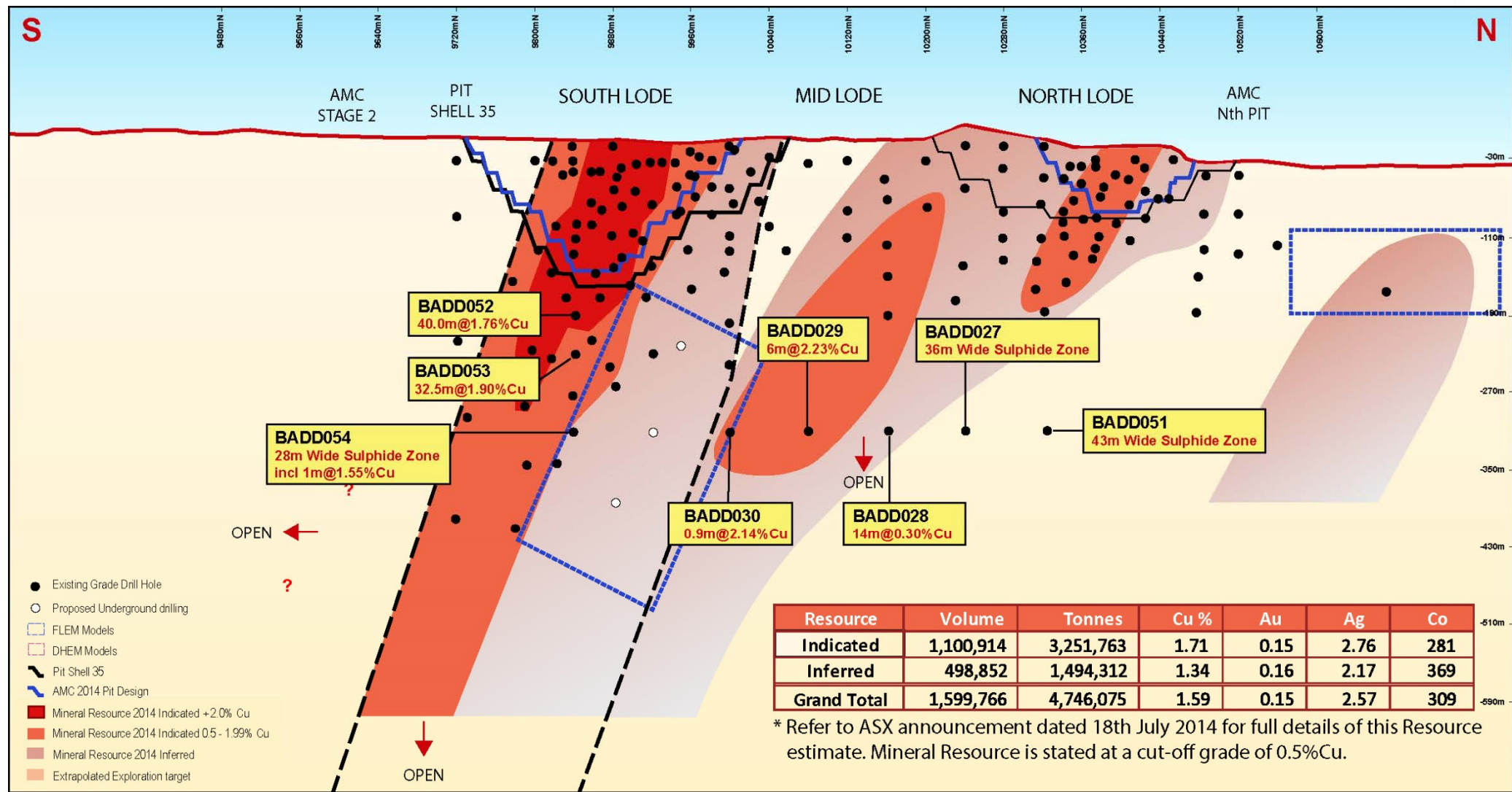
- Examining processing of 450,000tpa for 5 to 7 years

\* Refer to ASX Announcement dated 27<sup>th</sup> June 2014. Exploration Targets should not be misunderstood or misconstrued as an estimate of Mineral Resources or Ore Reserves. The potential quantity and quality of material discussed as Exploration Targets is conceptual in nature since there has been insufficient work completed to define them as Mineral Resources or Ore Reserves. It is uncertain if further exploration work will result in the determination of a Mineral Resource or Ore Reserve.





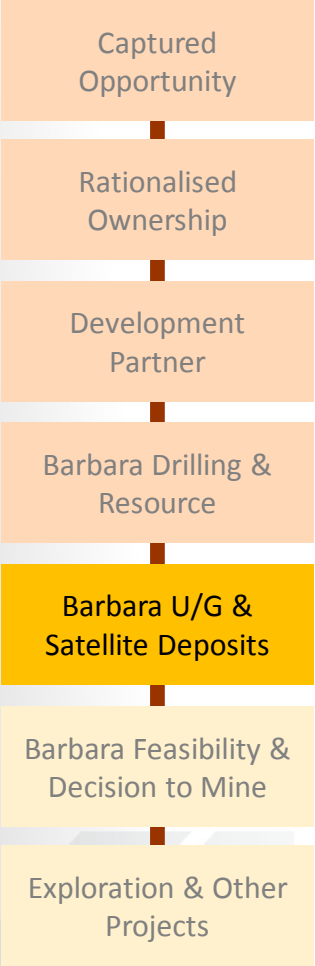
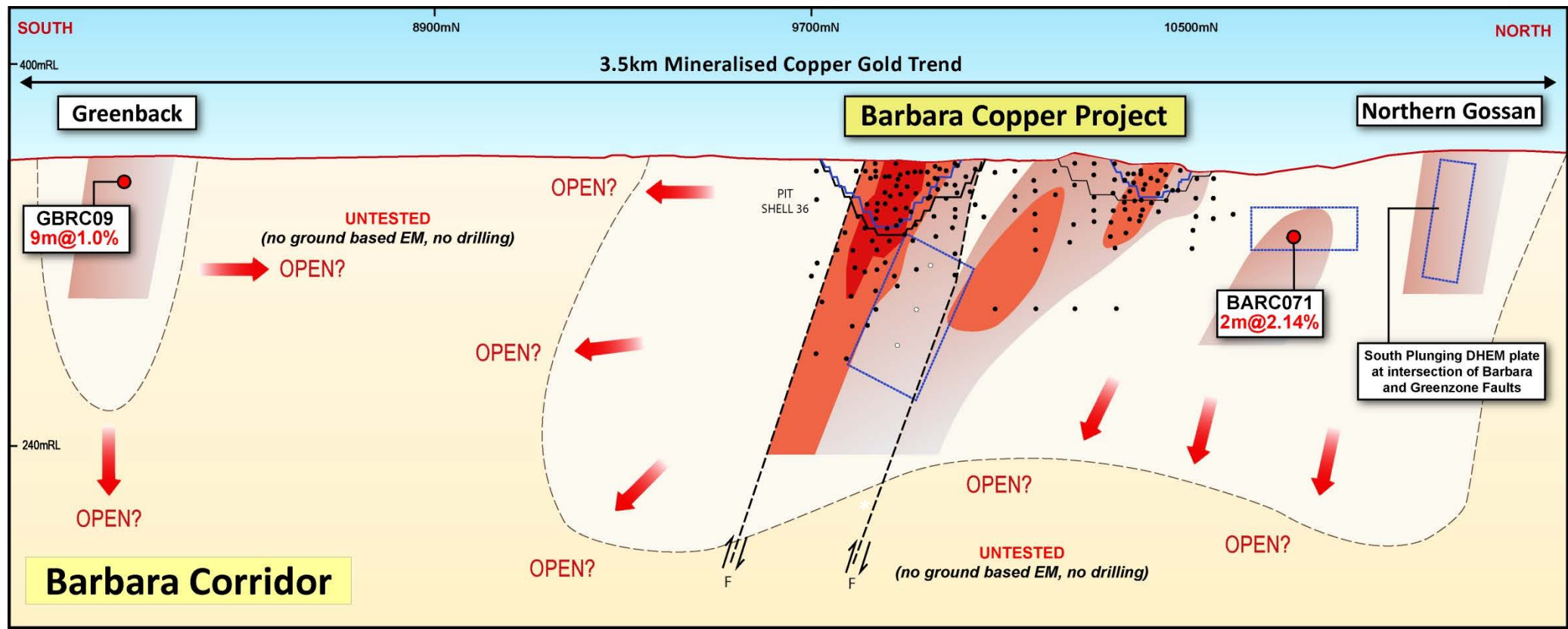
# Barbara Copper Project – Emerging copper-gold system!



Underground Exploration Commences July 2015

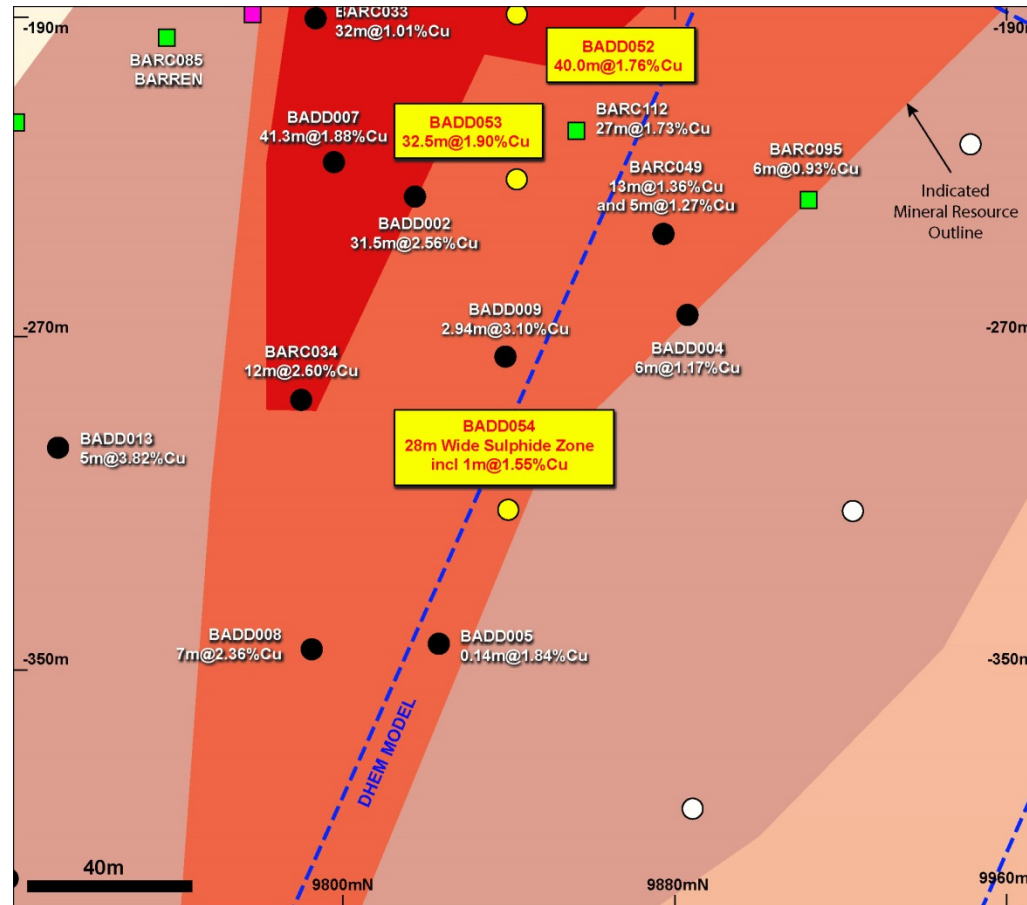


# Barbara Copper Project – Targeting Large-Scale Mineralised Corridors



# Barbara Underground – Targeting Additional Resources

- ✚ Three holes drilled into the heart of South Lode Underground
- ✚ Two excellent results:
  - BADD052: 40.0m @ 1.76% Cu including 9.0m @ 4.03% Cu
  - BADD053: 32.5m @ 1.90% Cu including 14.0m @ 2.73% Cu
- ✚ Extends and deepens high-grade mineralisation – 200m below OP
- ✚ Further drilling planned targeting strong DHEM conductor north of high grade mineralisation
- ✚ Exploration Target 2.5 to 4.0Mt @ 1.5 to 2.5% Cu\*



✚ Continuous lode 200m below current open pit design

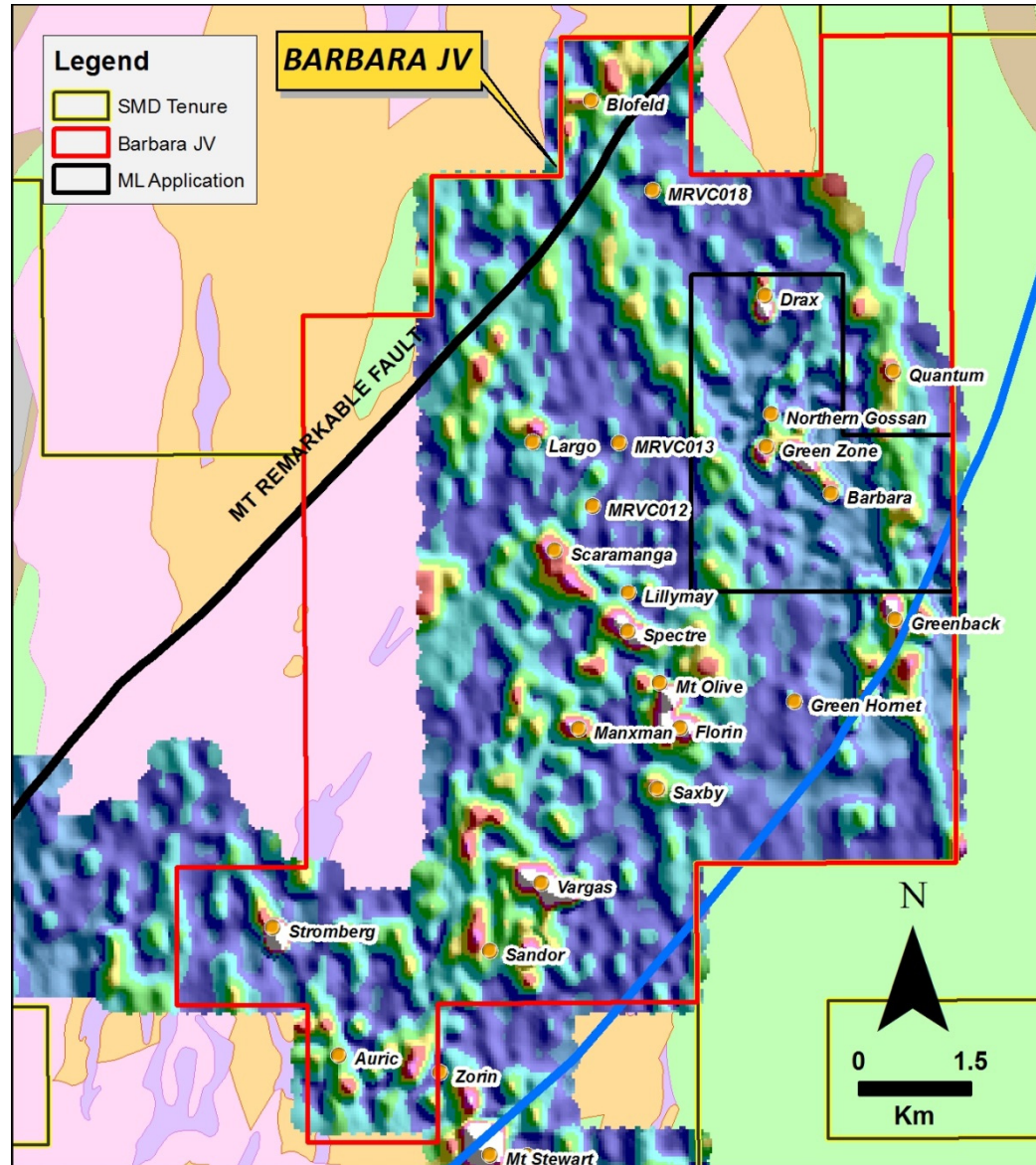


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# Barbara Copper Project – Exploration

- 100km<sup>2</sup> tenure – funded 50% by SMD
- Resource increase prospects:
  - *Barbara Trend*
    - *Barbara Underground*
    - *Green Zone, Greenback and Northern Gossan*
  - *Scaramanga Trend*
    - *Lillymay Extension*
    - *Scaramanga, Spectre, Florin, etc*
- Exploration prospects:
  - *Southern area*
    - *Vargas, Sandor, Stromberg*
  - *Northern Area*
    - *Drax, Blofeld*
- High grade vein-style in IOCG province:
  - *Multiple mineralised trends*
  - *Excellent resource growth*



Captured Opportunity

Rationalised Ownership

Development Partner

Barbara Drilling & Resource

Barbara U/G & Satellite Deposits

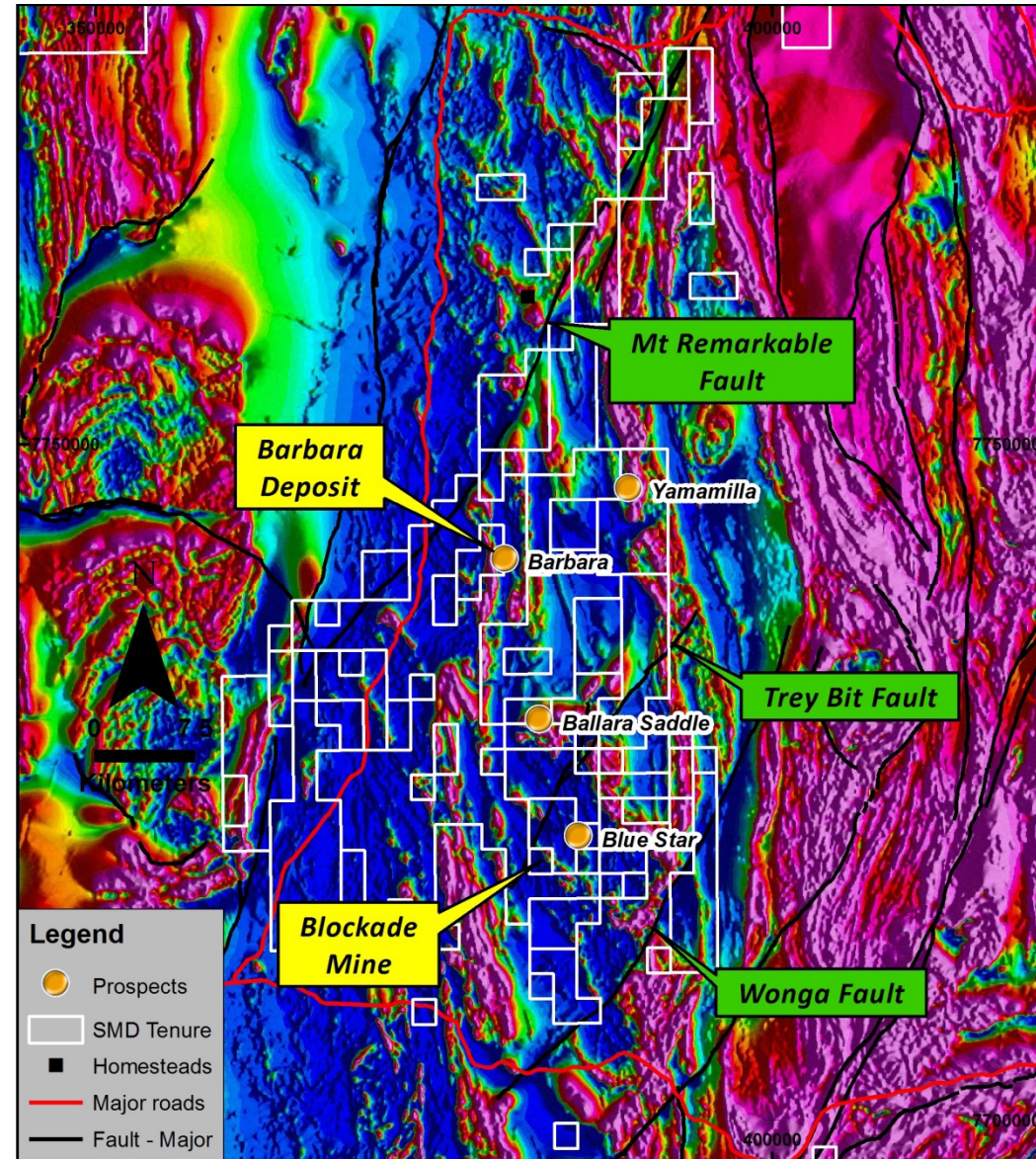
Barbara Feasibility & Decision to Mine

Exploration & Other Projects



# SMD Exploration – Northern Hub

- ✚ 1,000km<sup>2</sup> area adjacent to Remarkable, Wonga and Trey Bit Faults
- ✚ Extensive copper mineralisation
  - Numerous high-grade vein-style targets defined by old workings
- ✚ Exciting exploration prospects:
  - Blue Star (Barbara analogy)
    - 9m @ 6.1% Cu from 85m
    - Open along strike - 1.9km copper-in-soil anomaly
  - Ballara Saddle (IOCG style)
    - No drilling undertaken to date
    - 15m @ 6.6% Cu channel sample
    - 1500m x 300m copper-in-soil anomaly
- ✚ Exploration program 2015:
  - Targeting discovery of high grade vein/IOCG deposits
  - Extensive soil sampling program
  - VTEM survey and RC drilling
- ✚ Complementary to Barbara



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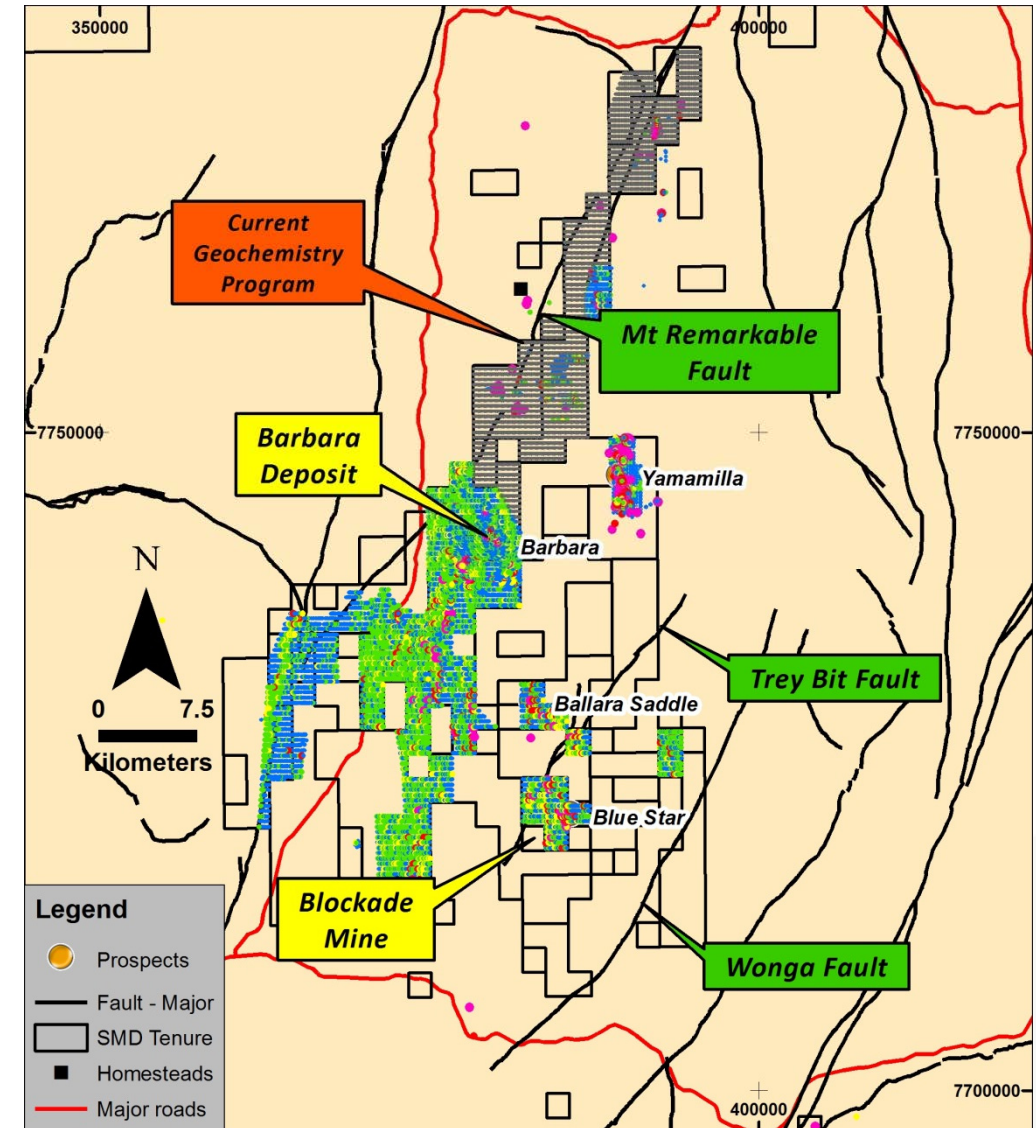
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Exploration & Other Projects



# SMD Exploration – Soil Geochemistry

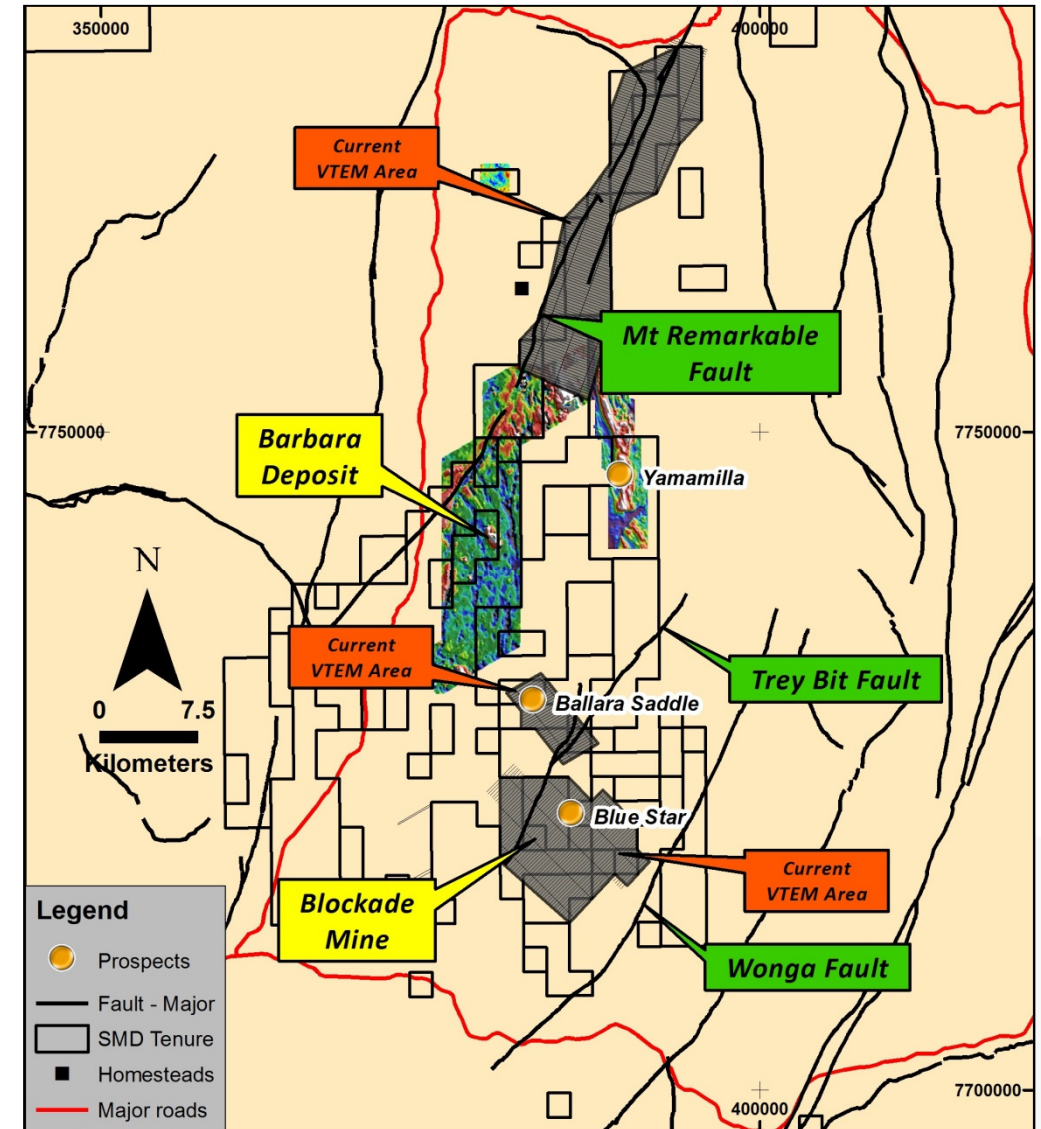
- Minimal soil geochemistry completed prior to 2012
- Main dataset was QLD geological survey stream-sediment data – significant limitations for high-grade, small footprint deposits
- Traditional exploration was drilling under old workings
- Syndicated's soil geochemistry program:
  - 2013 - Covered Barbara JV, Yamamilla
  - 2014 – Barbara South, Blue Star, Ballara Saddle
  - 2015 - Mt Remarkable Fault, Yamamilla Extn
- Numerous new prospects identified
- Structural controls on high-grade copper mineralisation established
- Key assemblages characterised



# SMD Exploration – Geophysics



- High quality magnetics available
- Limited use of airborne EM or IP
- Syndicated VTEM programs:
  - 2010 program identified Barbara and satellite deposits
  - 2015 program to cover:
    - *Blue Star, Ballara Saddle, Mt Remarkable Fault*
    - *Integrate with soil geochem and magnetics*
- Prioritise based on integrated soils, VTEM, magnetics, prospect mapping
- Follow up with drilling
- Target:
  - IOCG deposits
  - High-grade feeder sulphide system
  - Associated with major fault structures
  - IOCG alteration around intrusions and faults





# SMD Exploration – Blue Star

## Blue Star

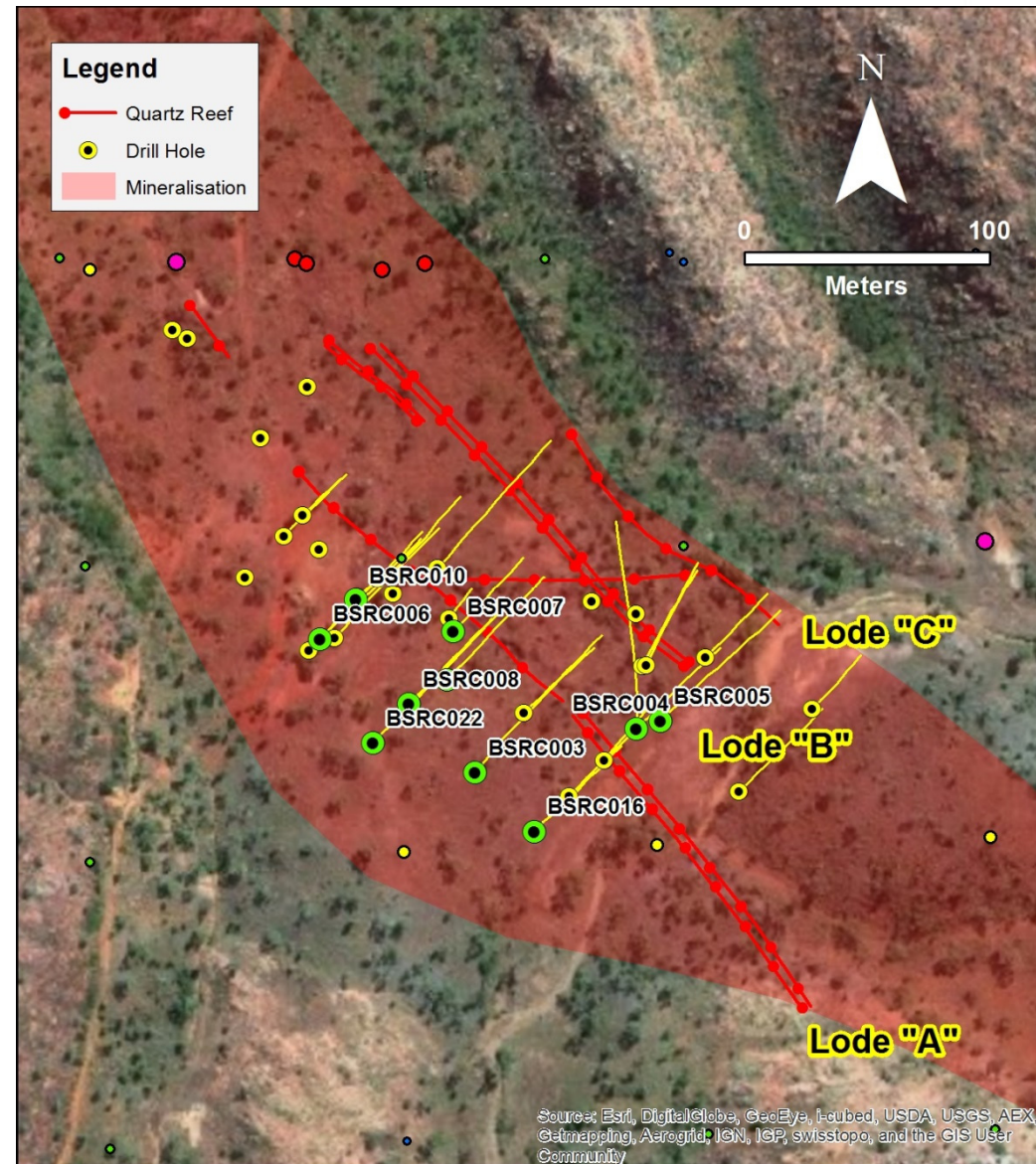
- 22 RC holes to 160m
- Drilled 1990-2012

## Lode "A"

- BSRC002 – 8m @ 1.21% Cu from 58m
- BSRC003 – 4m @ 2.12% Cu from 103m
- BSRC007 – 5m @ 1.86% Cu from 35m
- BSRC008 – 9m @ 6.12% Cu from 85m
- BSRC016 – 2m @ 1.77% Cu from 72m
- BSRC022 – 2m @ 2.45% Cu from 155m

## 2014/15 Exploration

- High-grade vein system in altered biotite schist
- Characterise with soil geochemistry
- Fly VTEM to identify buried conductors
- Extend RC drilling north and south
- RC drill four other targets within soil anomaly



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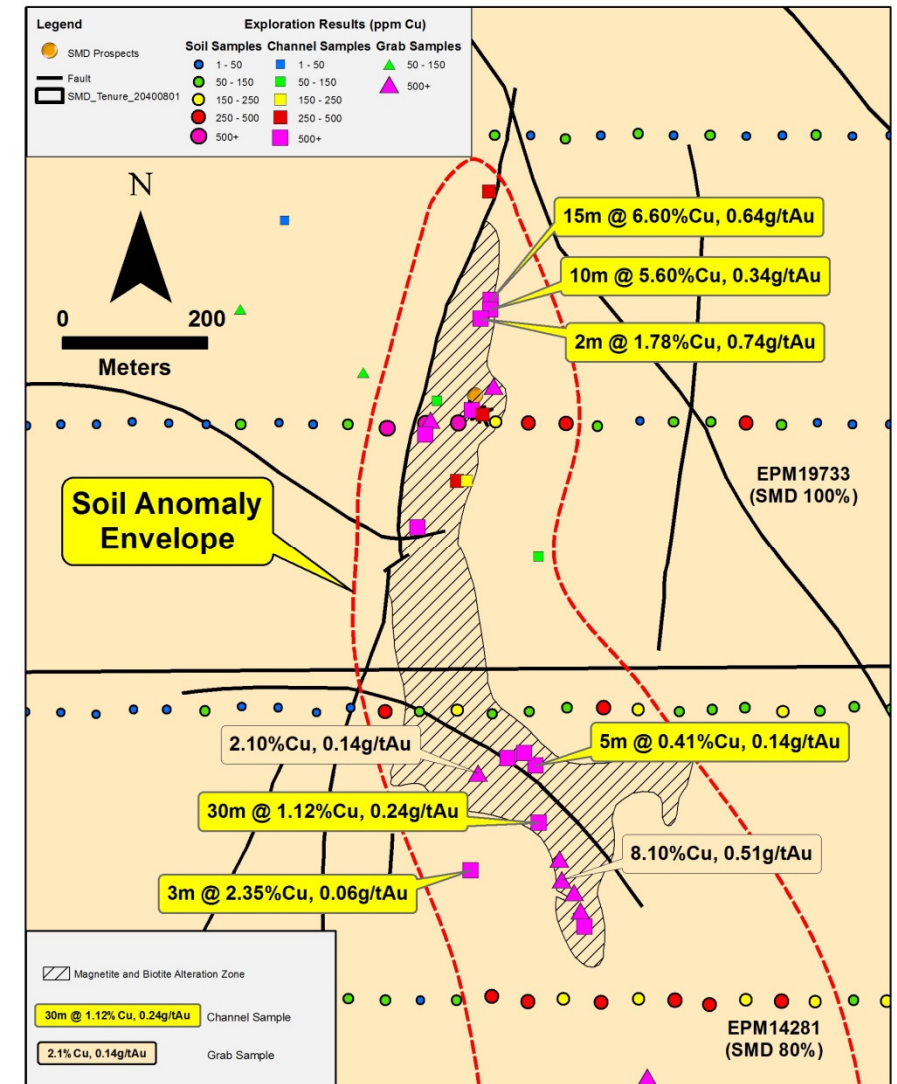
Barbara U/G & Satellite Deposits

Barbara Feasibility & Decision to Mine

Exploration & Other Projects

# SMD Exploration – Ballara Saddle

- Explored by Cyprus Gold until 1995 with a gold-only focus
- Historical exploration:
  - Extensive rock chip and channel sampling including:
    - 15m @ 6.6% Cu and 0.64g/t Au
    - 10m @ 5.6% Cu and 0.35g/t Au
  - Large alteration zone mapped
    - Two high grade areas with IOCG characteristics
- SMD Exploration
  - Extensive copper-in-soil anomaly
    - 1500m x 300m anomaly surrounding alteration zone
  - Structural mapping
- Planned works
  - Airborne VTEM survey to be completed Q3 2015
  - RC drilling to follow up possible VTEM, soil and alteration anomalies

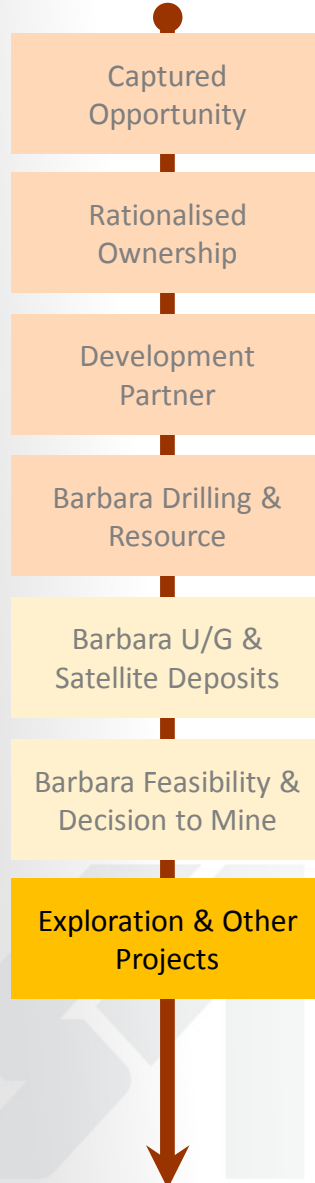
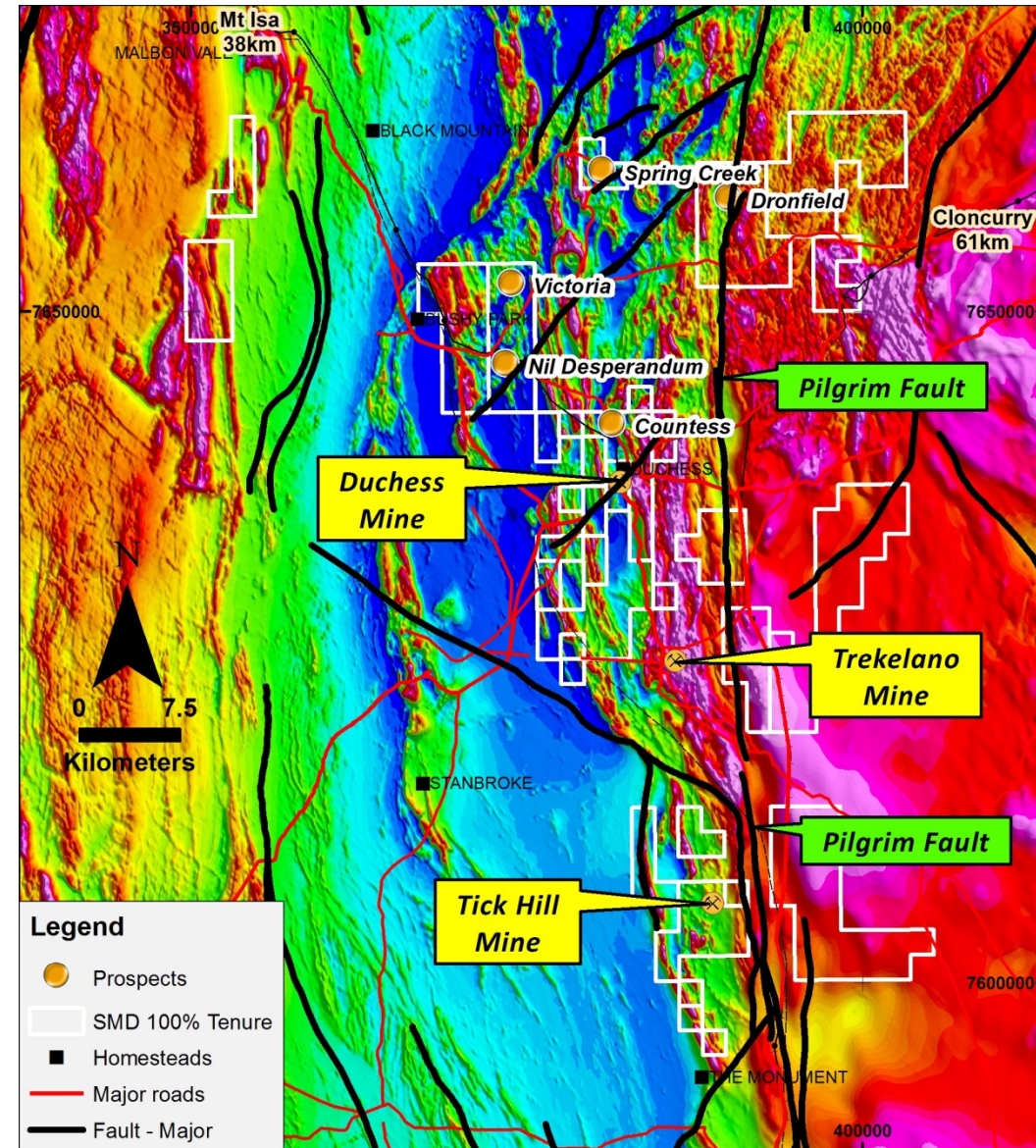




# SMD Exploration – Southern Hub





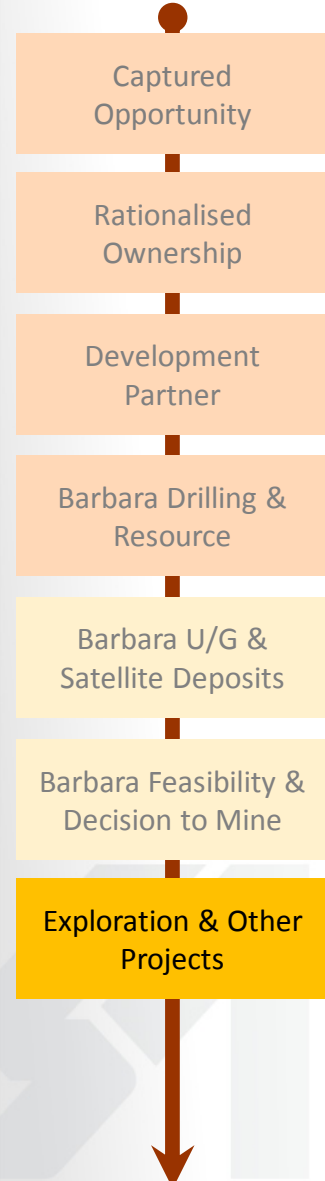
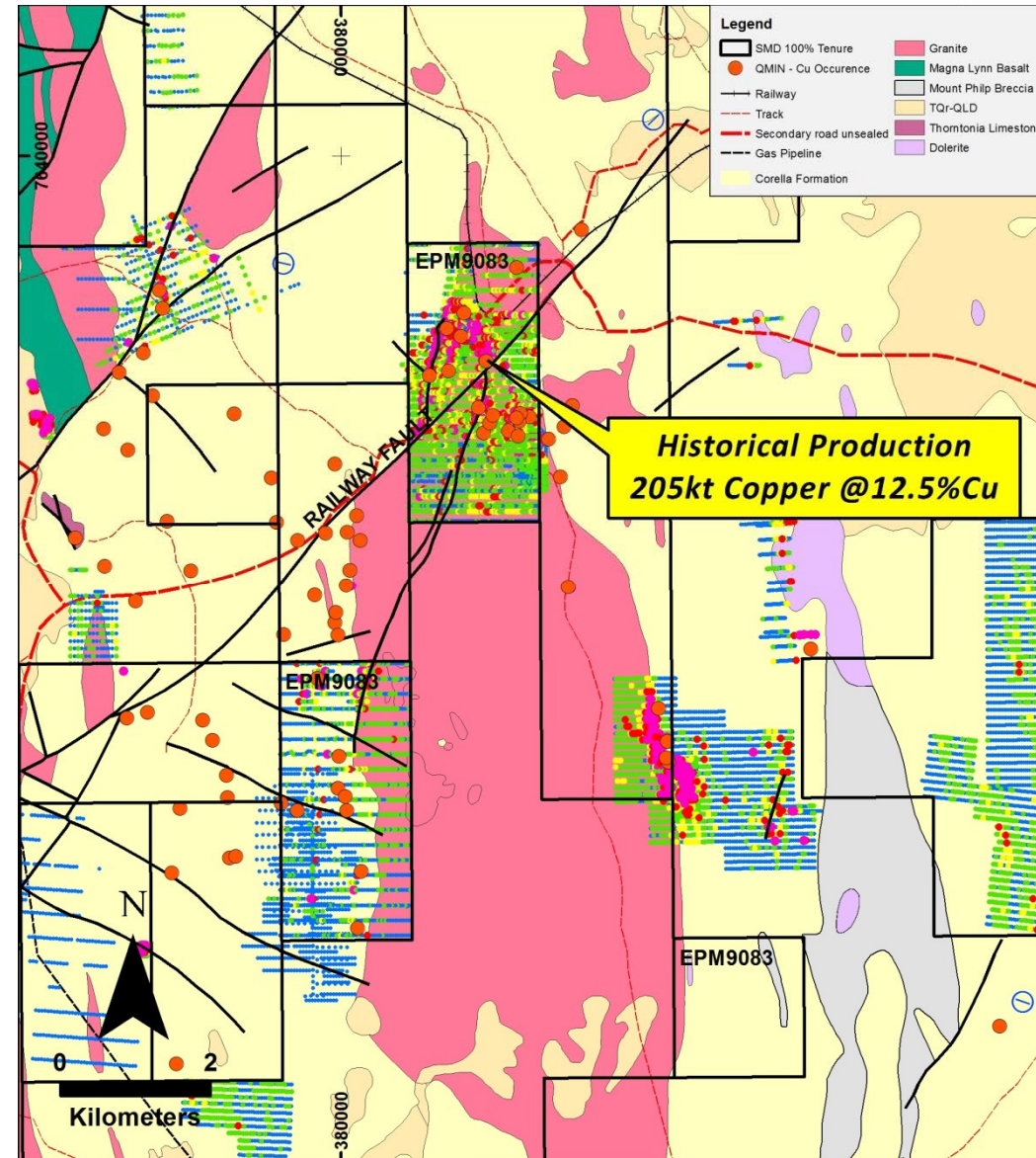
- ✦ 466km<sup>2</sup> area adjacent to Pilgrim, Revenue and Duchess Faults
- ✦ High-grade Cu/Au district
  - *Duchess (12.5% Cu), Tick Hill (22g/t Au), Trekelano (2.5% Cu and 0.3g/t Au)*
  - *Vein style Cu/Au in NE-SW structural settings*
- ✦ High-grade, walk up drill targets in historical data sets:
  - *SMD generated*
  - *Recently acquired*
- ✦ IOCG Exploration Targets:
  - *Large scale, under cover adjacent to the Pilgrim Fault*
  - *Geophysical and soil geochemical signatures*
  - *Alteration and historical workings in exposures*
- ✦ Exploration program 2015:
  - *RC drilling, soil sampling and geophysics*
- ✦ Targeting large-scale IOCG discovery with attendant high grade vein systems





# SMD Exploration – Duchess area

-  Adjacent to Railway Fault and intersecting Mt Erle granite
-  Extremely high-grade Cu-Au district
  - Consolidated ownership with recent acquisition from Straits Resources
-  High-grade, walk up drill targets
  - Ivanhoe, Duchess, Napoleon and numerous others along granite and fault contacts
  - Numerous historical drill intersections
  - Historical high-grade underground mines
  - Exploration Target: 2.2-3.0Mt @ 1.2-1.8% Cu\*
-  IOCG exploration targets:
  - Large-scale Mt Erle granite intrusion
  - Crosscutting NE faults
  - Geophysical and soil geochemical signatures
  - Alteration and historical workings in exposures
-  Exploration program 2015:
  - Soil sampling and geophysics
-  Targeting large-scale IOCG discovery and smaller high-grade vein style Cu-Au



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## Barbara Copper Project

- CopperChem - funding to Decision to Mine
- Off-site processing evaluated –attractive 2 year operation. Onsite processing under review
- Expand Mineral Resources at Barbara Underground and Satellites
- Build 5-7 year operational mining inventory

## Mt Remarkable

- Complete 2015 soils program
- Complete 2015 VTEM program
- Define drilling targets with integrated soils, VTEM and mapping programs
- Define high grade targets at Blue Star, Ballara Saddle, Yamamilla
- Pipeline of exploration targets at Mt Remarkable

## Southern Hub

- Complete Mt Erle soils, geophysics and mapping
- Prioritise targets in IOCG spectrum
- Initial RC drilling
- Grow ground position



# Why Invest in Syndicated?



- ❏ Copper developer: management with history of taking projects from exploration to production
- ❏ Outstanding project partner with desire to grow production through Barbara Copper Project
- ❏ Well funded: \$1.9 million cash currently and funding through to Decision to Mine at Barbara
- ❏ Barbara Studies nearing completion
  - *Mine design complete, approvals advancing*
  - *Stand alone project - 2 year Open Pit*
  - *Potential for step change with Onsite processing*
- ❏ Resource expansion potential
  - *U/G at Barbara*
  - *High-grade satellite deposits*
  - *Targeting 5-7 year mine life*
- ❏ Outstanding regional exploration targets
  - *Pipeline of projects and targets near Barbara*
  - *Southern Hub earlier stage exploration*
  - *High grade/high value vein style Cu, IOCG*
  - *Australia's premier copper province*







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- The information in this presentation that relates to Mineral Resources is based on information compiled by Mr Jim Whitelock and Mr Michael Martin. Both Mr Whitelock and Mr Martin are Members of The Australasian Institute of Geoscientists (AIG) and both has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are 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 (the "JORC Code"). Mr Whitelock is a full-time employee of Exco Resources Limited a 100% owned subsidiary of CopperChem Limited and Mr Martin is a full time employee of Syndicated Metals Limited. Both Mr Whitelock and Mr Martin consent to the inclusion in the report of the Mineral Resources in the form and context in which they appear.
- The information in this presentation that relates to Exploration Targets and Exploration Results is based on information compiled by Mr Andrew Munckton who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM) and who has sufficient experience 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 (the "JORC Code"). Mr Munckton is a full-time employee of Syndicated Metals Limited and consents to the inclusion in the report of the Exploration Targets and Exploration Results in the form and context in which they appear.

## Exploration Targets

- This presentation comments on and discusses Syndicated Metals Limited's exploration in terms of target size and type. The information relating to Exploration Targets should not be misunderstood or misconstrued as an estimate of Mineral Resources or Ore Reserves. The potential quantity and quality of material discussed as Exploration Targets is conceptual in nature since there has been insufficient work completed to define them as Mineral Resources or Ore Reserves. It is uncertain if further exploration work will result in the determination of a Mineral Resource or Ore Reserve.



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## New exploration push driving value and growth

Resources Rising Stars Investor Luncheon – 26 June 2015

Andrew Munckton, Managing Director

