



High-grade Copper in the Cobar Superbasin

Rob Tyson
Managing Director
AGM Presentation

(Image: DDH1 Rig 17)

Peel Mining Limited (ASX:PEX)
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www.peelmining.com.au

Disclaimer & Competent Persons Statement

- **Disclaimer**

- *The views expressed here other than historical fact constitute forward-looking statements. Forward-looking statements are based upon estimates and assumptions considered reasonable by the Company, albeit subject to uncertainties and contingencies of unknown factors that may cause variation in such forward-looking statements beyond the Company's ability to control or predict. Nothing in this release should be construed as either an offer to sell or a solicitation of an offer to buy or sell shares in any jurisdiction.*

- **Competent Persons Statement**

- *The information in this report that relates to Exploration Results is based on information compiled by Mr Robert Tyson, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Tyson is Managing Director of Peel Mining Ltd. Mr Tyson 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 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' Mr Tyson consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.*
- *The information in this report that relates to mineral resource estimation for Apollo Hill is based on work completed by Mr Jonathon Abbott who is a full time employee of Hellman and Schofield Pty Ltd and a member of the Australasian Institute of Mining and Metallurgy. Hellman & Schofield was not required to review the quality or validity of the sampling data, as Peel Mining are accepting responsibility for these aspects of the estimates. Mr Abbott 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 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Abbott consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*
- *The information in this report relating to the Attunga resources is based on information compiled by Mr Murray Hutton, who is a Member of the Australian Institute of Geoscientists and is employed by Geos Mining. He has sufficient relevant experience to qualify as a Competent Person as defined in the 2004 edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves.' Mr Hutton consents to the inclusion in this report of this information in the form and context in which it appears.*



Capital and Corporate

- **Capital structure**

Fully paid shares: 132 million	Cash: ~\$5 million (+ ~\$1.5m via farm-in)
Options: 3 million	Top 20 investors: ~60%
Market cap (@ 29 cps): \$38 million	Directors' holding: ~20%

- **Business model**

- Identify and acquire undervalued/prospective mineral assets
- Add value through systematic exploration
- Monetise (through JV/sale/IPO) or take to production



Board and Technical Team

**Small leadership team with blend of technical and commercial backgrounds;
focus on maximising returns**

- **Board/Management**

- Rob Tyson (Managing Director)
- Simon Hadfield (Chairman)
- Graham Hardie (Non-exec Director)
- Ryan Woodhouse (Co. Secretary)

- **Technical team**

- Michael Oates (Chief Geologist)
- Steve Leggett (Operations Manager)
- David Vaarwerk (Database Geologist)
- Angus Hornabrook (Consulting Geologist)
- Bob Brown (Consulting Geologist)

- **Maximising PEX's discovery potential:**

- Low admin/corp costs at ~\$200K per quarter
- Small, efficient, skilled, technical/operations team
- High exploration success rate
- Focus on drill testing – only way to prove orebodies
- Maximising every dollar – money goes into the ground

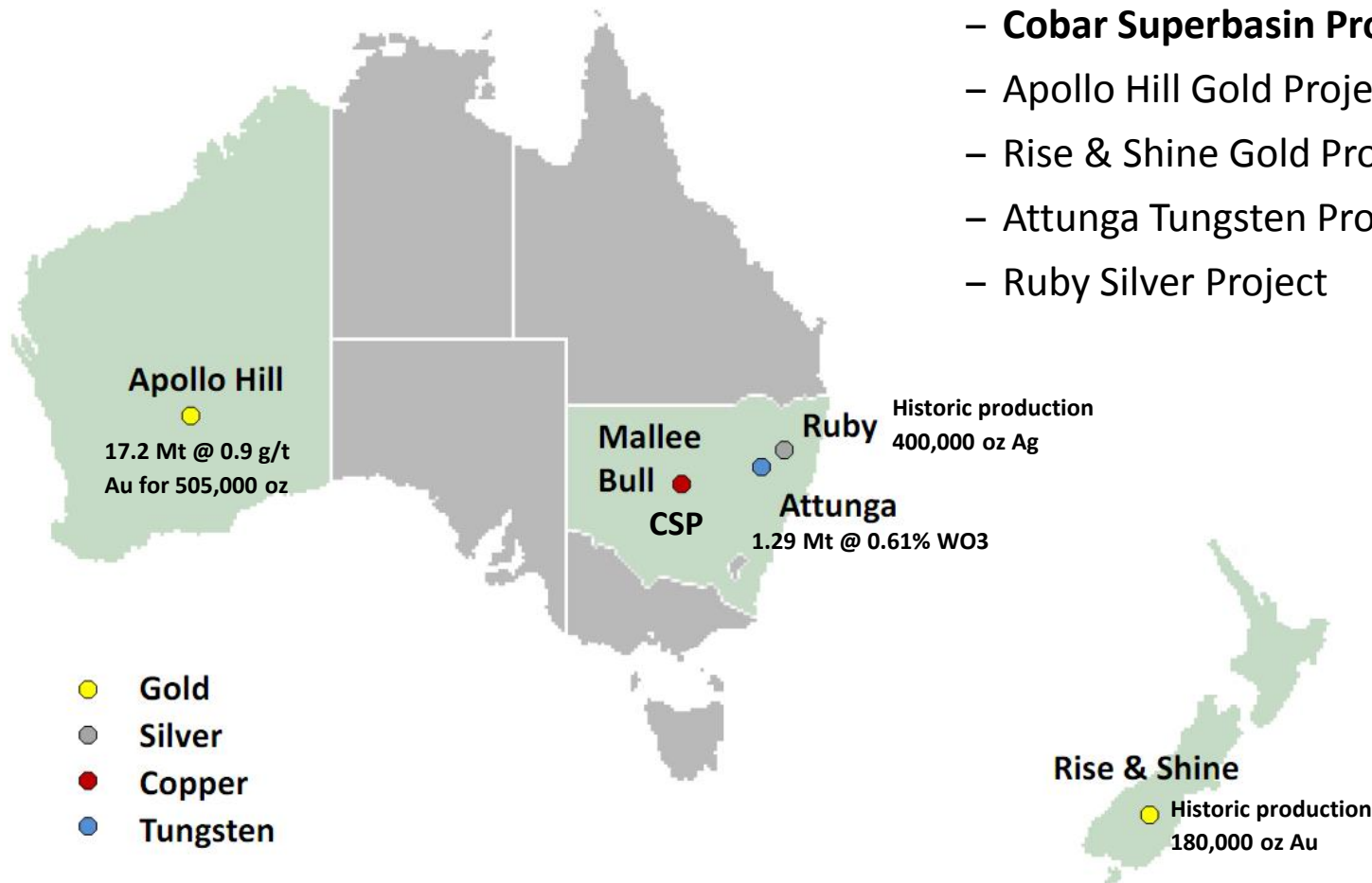


Project Summary

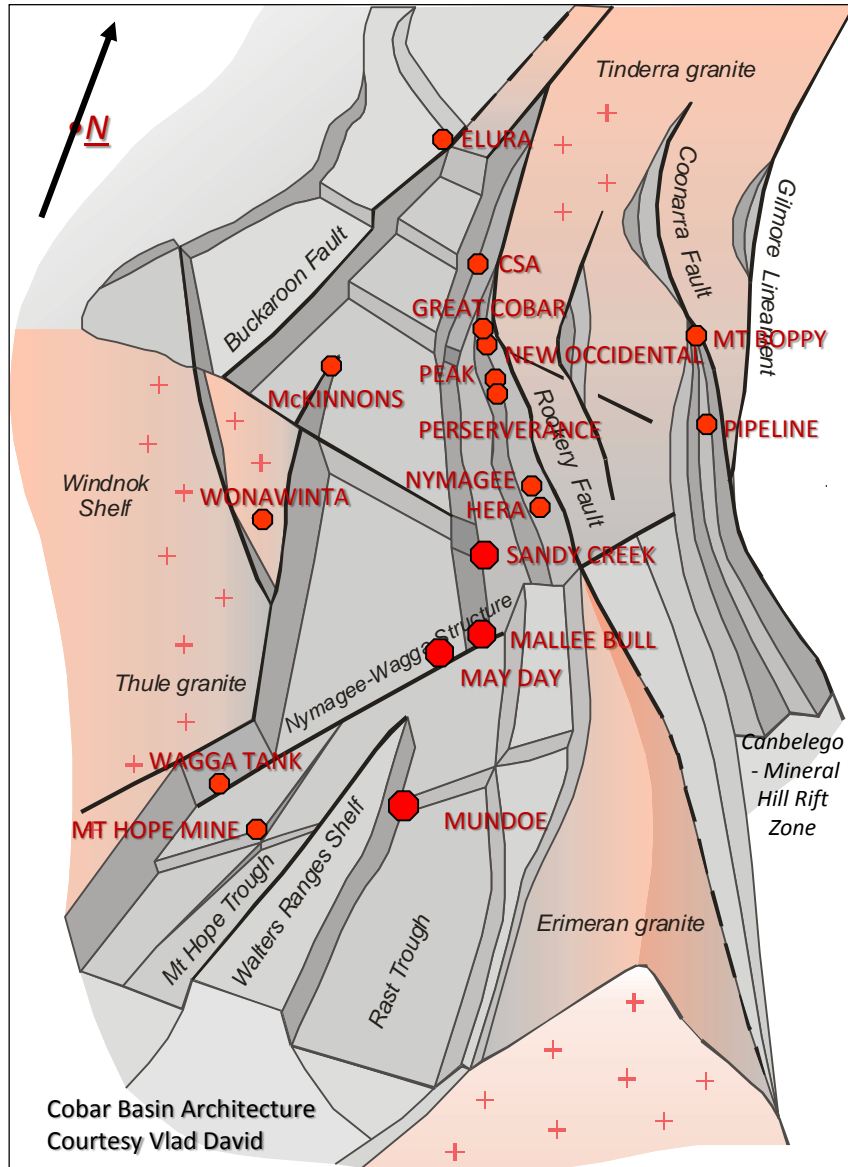
Growing base-precious metal
resources company

- **Key assets:**

- **Mallee Bull Copper-Polymetallic Discovery**
- **Cobar Superbasin Project (CSP)**
- Apollo Hill Gold Project
- Rise & Shine Gold Project
- Attunga Tungsten Project
- Ruby Silver Project

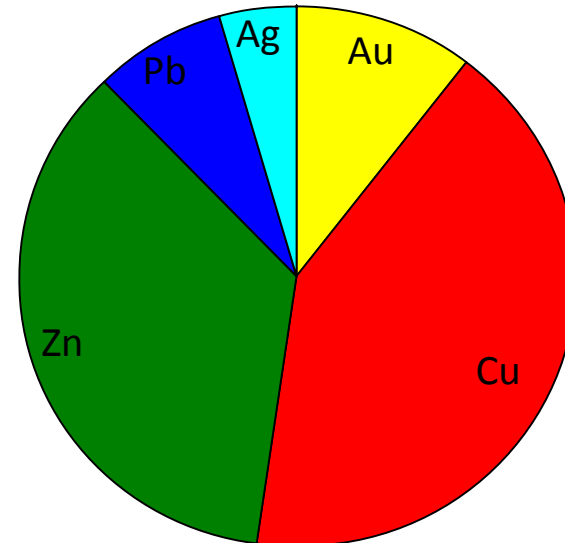


Cobar Superbasin is high-grade worldclass mineral province

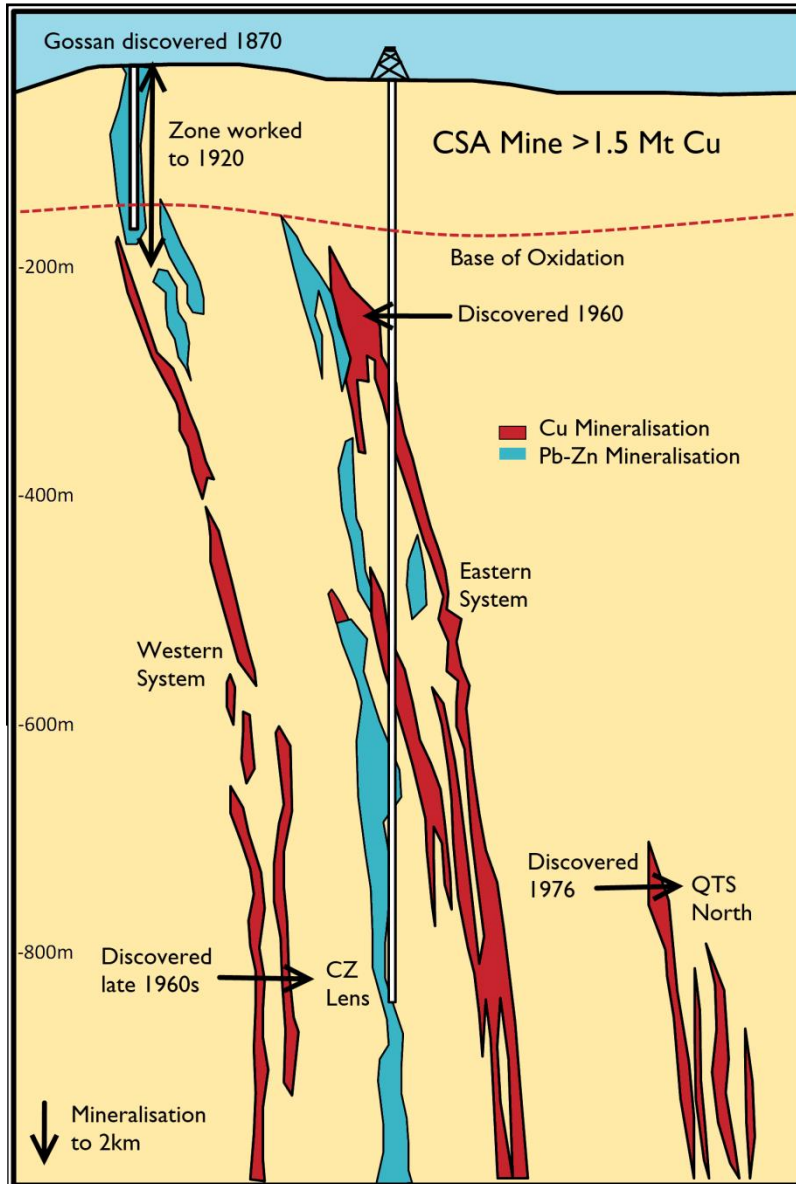


• Cobar Superbasin pre-mining metal inventory:

- >2.2 Mt Cu = US\$18b
- >7 Moz Au = US\$12b
- >4.7 Mt Zn = US\$9.5b
- >2.8 Mt Pb = US\$5.5b
- >145 Moz Ag = US\$4.5b
- Total = US\$50b



“Cobar-style” Deposits vs Mallee Bull Discovery



Cobar-style attribute

Polymetallic (Cu-Ag-Au-Pb-Zn)

Proximity to major structures
(growth/transfer faults)

Shear-hosted

Strongly leached near surface

Chlorite and silica alteration

Facies and rock competency contrasts

Moderate to high strain zone

Short strike length (<200m)

Narrow widths (5-20m)

Vertical continuity (>400m)

Clustered/stacked lenses

Mallee Bull

✓

✓

✓

✓

✓

✓

✓

✓

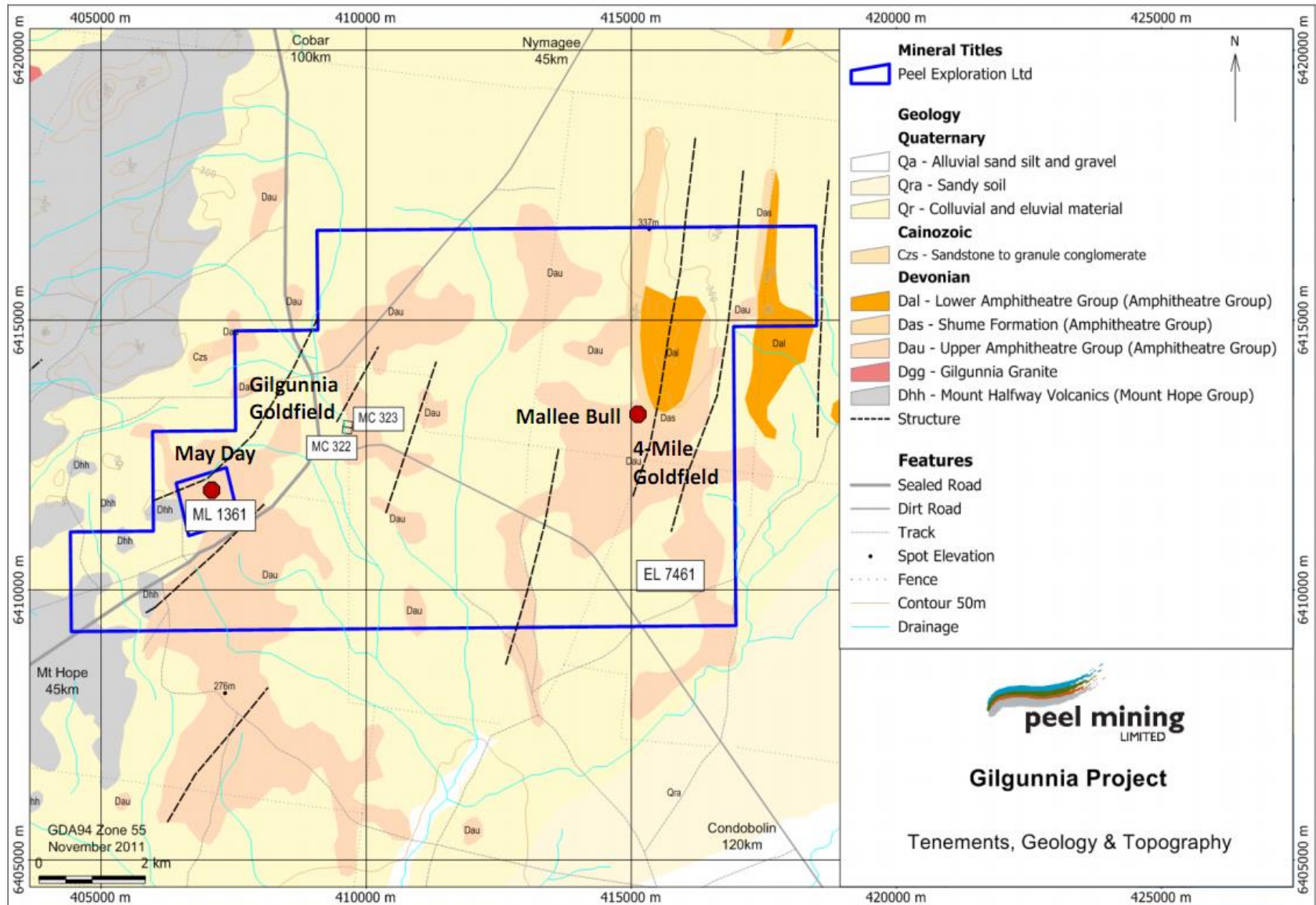
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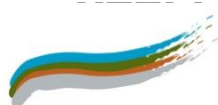
Mallee Bull Project



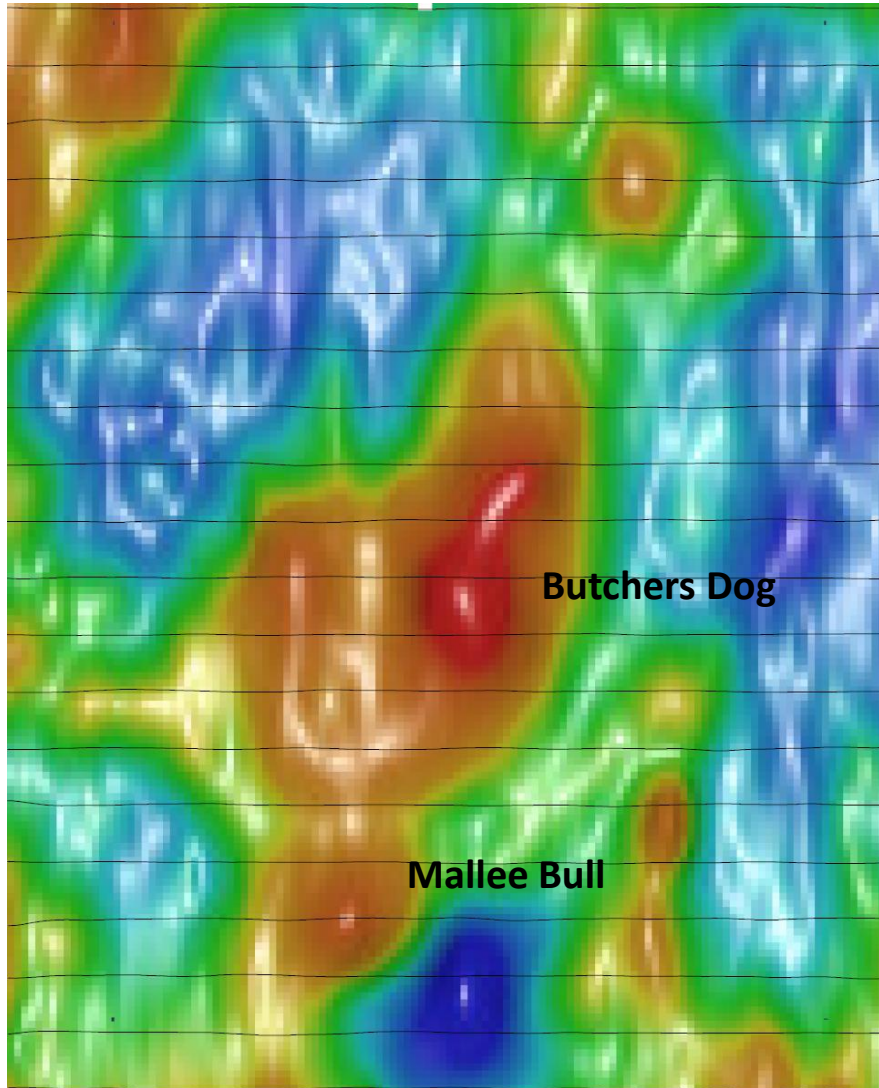
Stage 3 of CBH Resources Farm-in now underway

- **Key Terms of Farm-in**

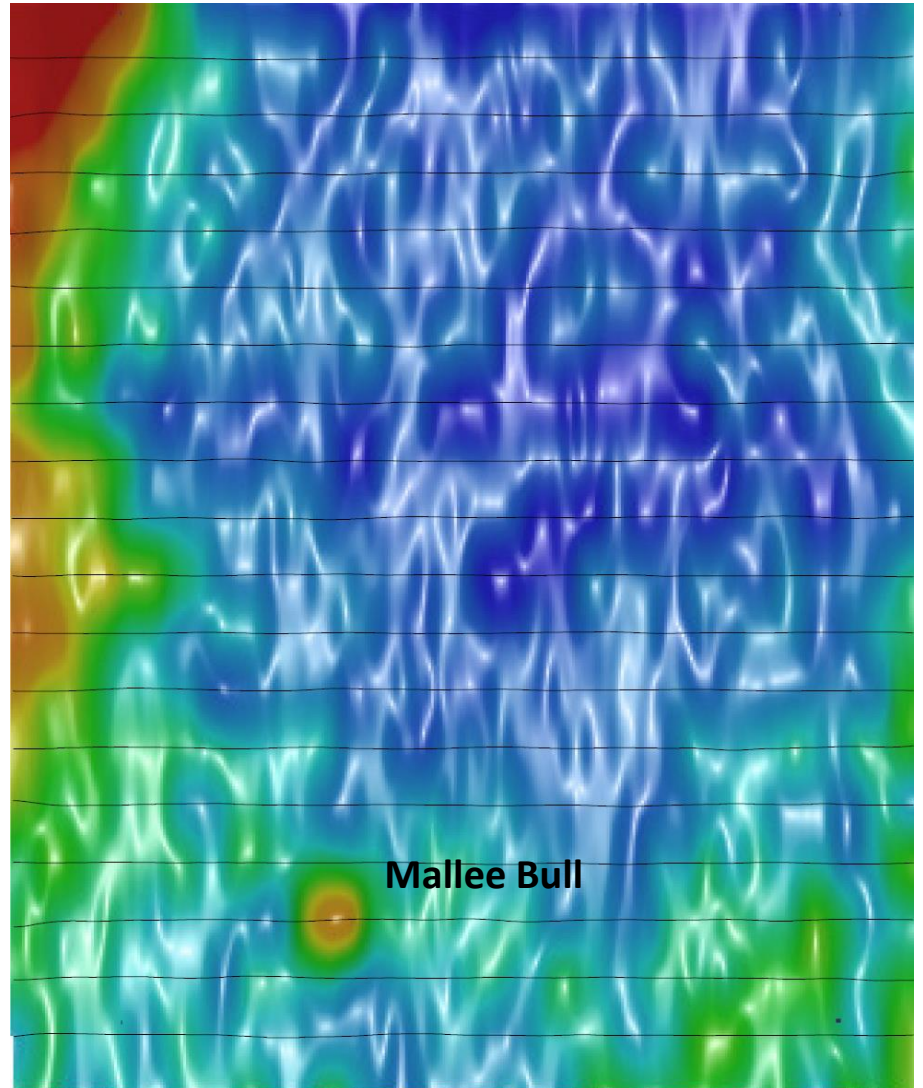
- Agreement covers EL7461 and ML1361 including Mallee Bull
- Peel remains operator
- Stage 1 saw CBH earn 15% interest by payment of \$1m to Peel as contribution to past expenditure (received July 2012) and by contributing \$1.5m to exploration (complete)
- Stage 2 saw CBH earn 30% interest by contributing a further \$2.5m to exploration (complete June 2013)
- **Stage 3 sees CBH increase to 50% interest by contributing a further \$3.33m to exploration within a further 12 month period (underway)**
- CBH may elect to form a joint venture at the end of any stage; parties can then elect to contribute on pro-rata basis or be diluted according to an industry-standard formula
- No pre-emptive rights, rights to offtake, or casting votes
- Planning now underway for 50:50 JV (expected end March 2014)



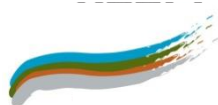
Coincident Geophysical Anomalies – December 2010



Total Magnetic Intensity



VTEM – Late Time



Mallee Bull Discovery & Phase 1 (completed Mar 2012)

Phase 1 drilling confirms Mallee Bull as a Cobar-style discovery

- Phase 1 RC/diamond drill programme testing to 300m below surface from discovery – Feb 2012
- Better drill results include:

10m @ 9.01% Pb, 11.00% Zn, 41 g/t Ag, 0.77 g/t Au 6.65m @ 3.10% Cu, 34 g/t Ag, 0.93 g/t Au

9.3m @ 1.20% Cu, 19 g/t Ag, 0.14 g/t Au

10m @ 1.70% Cu, 46 g/t Ag, 0.27 g/t Au

5m @ 2.40% Cu, 28 g/t Ag, 0.60 g/t Au

7m @ 2.32% Cu, 14 g/t Ag, 0.15 g/t Au

7m @ 1.31% Cu, 19 g/t Ag, 0.56 g/t Au

6m @ 2.01% Cu, 64 g/t Ag, 0.43 g/t Au

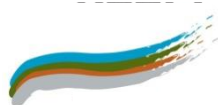
11m @ 2.71% Cu, 36 g/t Ag, 0.26 g/t Au

10m @ 2.66% Cu, 41 g/t Ag, 0.51 g/t Au

5m @ 2.14% Cu, 41 g/t Ag, 1.29 g/t Au

10m @ 2.22% Cu, 33 g/t Ag, 0.44 g/t Au

- Cobar-style discovery confirmed
- Mineralisation open in multiple directions, including down-dip
- 12-month option to purchase part of Wirchilleba Station covering Mallee Bull footprint



Mallee Bull Phase 2 (completed December 2012)

Phase 2 drilling confirms Mallee Bull as major copper discovery

- Phase 2 diamond drill programme (Stage 1 CBH Farm-in Agreement) testing >400m below surface from Jul 2012 – Nov 2012

- Better drill results include:

41m @ 1.71% Cu, 33 g/t Ag, 1.84 g/t Au

10m @ 1.12% Cu, 47 g/t Ag, 0.95 g/t Au

14m @ 1.92% Cu, 56 g/t Ag, 0.30 g/t Au

42m @ 1.01% Cu, 23 g/t Ag, 0.91 g/t Au

31m @ 1.61% Cu, 13 g/t Ag, 0.17 g/t Au

35m @ 0.65% Cu, 54 g/t Ag, 1.16 g/t Au, 3.42% Pb, 1.51% Zn

21m @ 1.48% Cu, 24 g/t Ag, 0.25 g/t Au

31m @ 2.65% Cu, 51 g/t Ag, 0.18 g/t Au

12m @ 1.58% Cu, 39 g/t Ag, 0.14 g/t Au

22m @ 3.62% Cu, 38 g/t Ag, 0.09 g/t Au

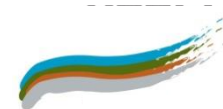
7m @ 1.09% Cu, 29 g/t Ag, 1.74 g/t Au

13m @ 1.91% Cu, 31 g/t Ag, 0.12 g/t Au

8m @ 1.23% Cu, 12 g/t Ag, 0.09 g/t Au

69m @ 3.48% Cu, 34 g/t Ag, 0.14 g/t Au

- Strike of mineralisation = ~120m
- Shallowest intercept = ~40m below surface
- Deepest intercept = ~600m below surface
- Mineralisation open in multiple directions, including down-dip/plunge



Mallee Bull Phase 3 (completed June 2013)

Phase 3 drilling confirms Mallee Bull as high grade copper discovery

- **Mallee Bull Phase 3**

- Stage 2 of farm-in (Phase 3) saw CBH fund \$2.5m on further exploration for further 15% interest commenced early February 2013, completed June 2013
- Exploration programme comprises multiple intercept deep directional diamond drilling returning further high-grade copper results to ~700m below surface including:

53m @ 4.08% Cu, 42 g/t Ag, 0.22 g/t Au

21m @ 2.22% Cu, 40 g/t Ag, 0.11 g/t Au

84m @ 4.42% Cu, 38 g/t Ag, 0.14 g/t Au

32m @ 3.62% Cu, 46 g/t Ag, 0.21 g/t Au

10m @ 4.54% Cu, 31 g/t Ag, 0.13 g/t Au

- Purchase of part of Wirchilleba Station containing Mallee Bull
- QEM Scan mineralogical study yields encouraging early warning results, confirming stringer copper dominated by medium-coarse grained chalcopyrite with good liberation characteristics



Mallee Bull Phase 4 (underway)

Phase 4 to test for additional mineralisation, examine development options

- **Mallee Bull Phase 4**

- Stage 3 of farm-in (Phase 4) sees CBH fund a further \$3.33m on exploration for an additional 20% interest commenced July 2013
- Exploration has comprised:
 - Multiple geophysical surveys including DHEM, MMR, MT/AMT, gravity
 - RAB and diamond drilling targeting Butchers Dog, Mallee Bull, 4-Mile Goldfields
 - Development options concept work
- Drilling to date has shown widespread and broad scale alteration and anomalous geochemistry up to 1km away from Mallee Bull indicative of large hydrothermal system
- Follow-up exploration drilling (supplementary to Mallee Bull) planned
- Resource definition drilling at Mallee Bull to commence shortly
- MBDD017 (metallurgical/deep DHEM) drillhole underway
- Metallurgical testwork shows that bulk of Mallee Bull mineralisation (footwall/stringer lode) yielded excellent flotation results with concentrates of ~25% Cu at a recovery of between 90-95%; further testwork planned
- Settlement of purchase of Wirchilleba Station

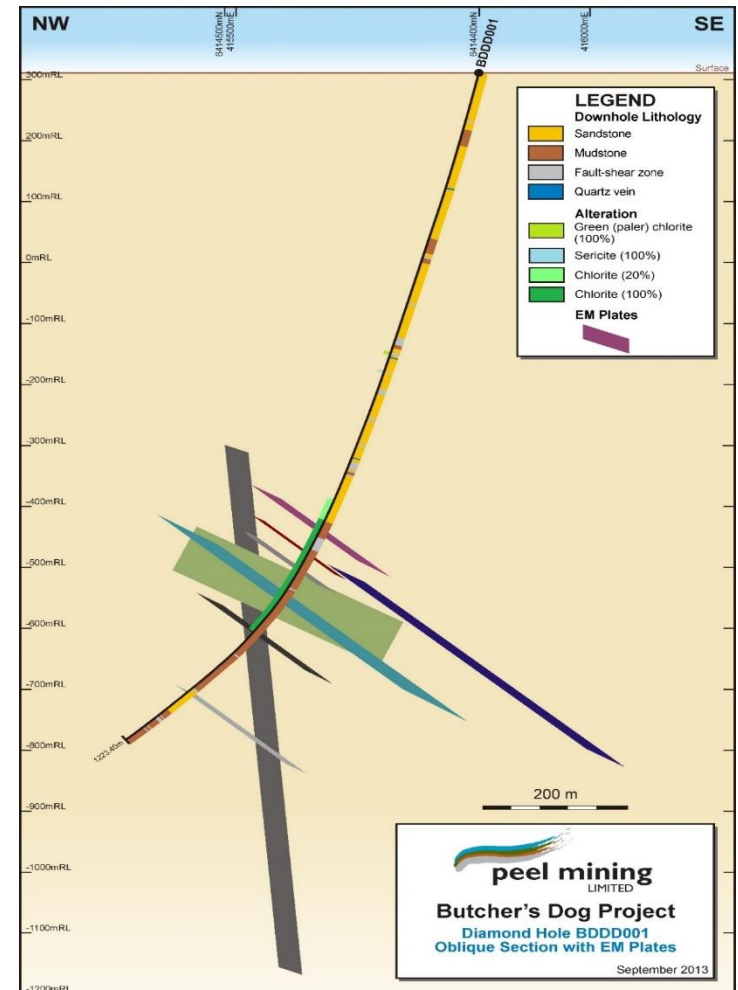


Mallee Bull Phase 4 (underway)

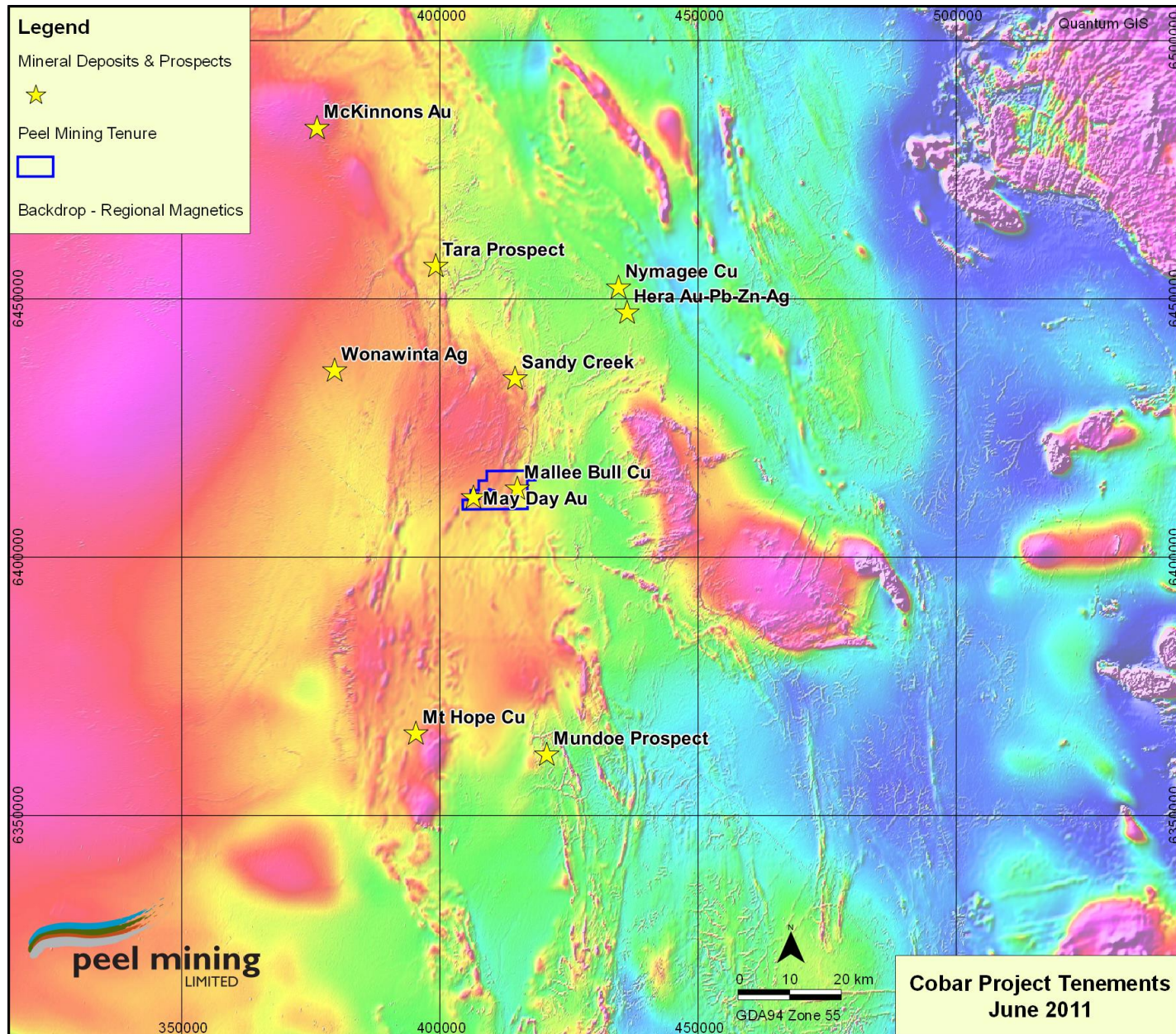
Butchers Dog coincident anomalies remain unresolved

- **BDDD001**

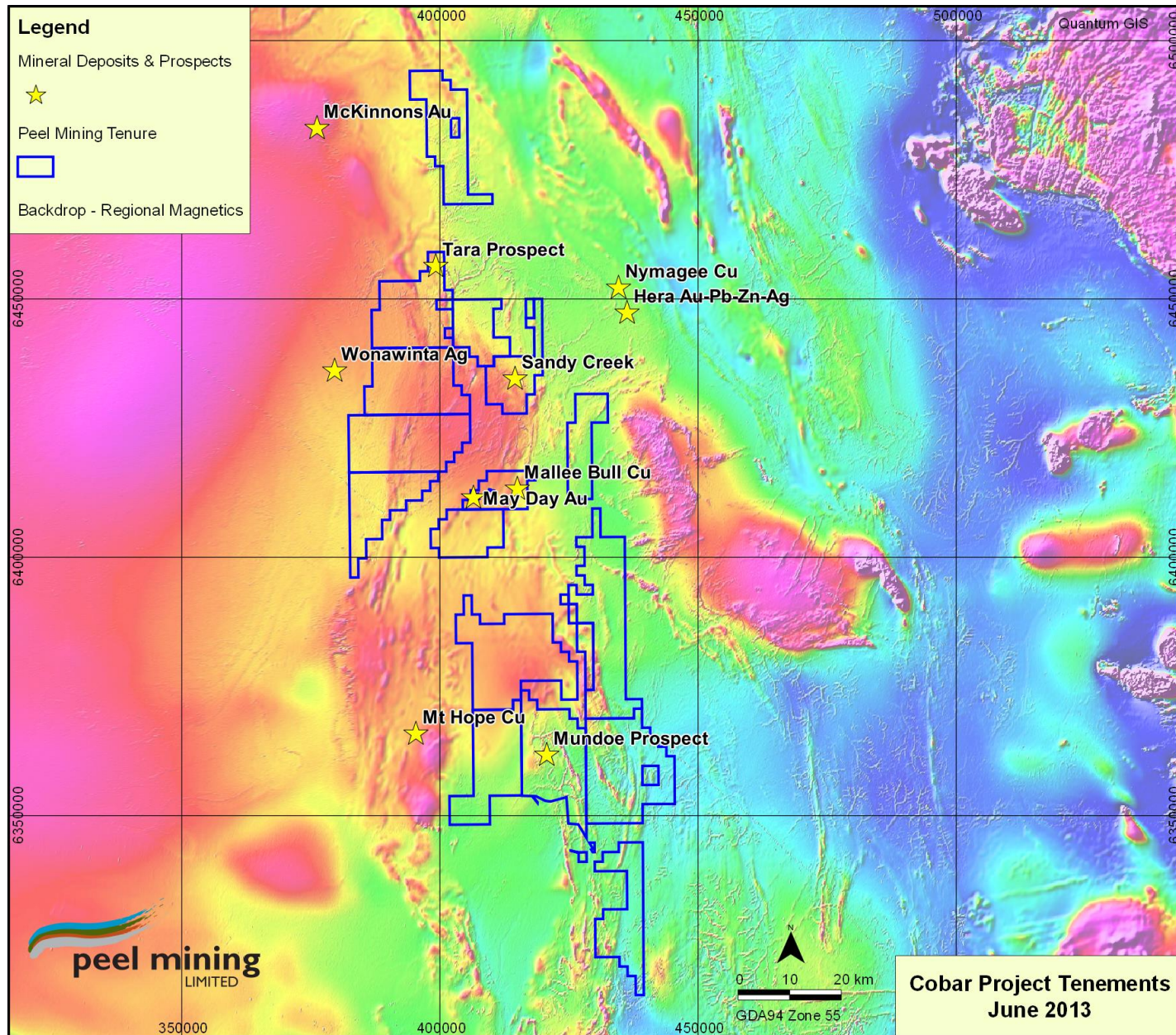
- Designed to test coincident strong DHEM conductor and magnetic anomalies
- Intercepted a broad zone of disseminated and veinlet pyrrhotite mineralisation coincident with variable chlorite alteration and minor chalk/galena and sphalerite at ~800m downhole
- Anomalous precious and base metal geochemistry in mineralised/altered zones with peak values up to 0.54% Cu, 25 g/t Ag, 1.32 g/t Au, 0.51% Pb, 1.92% Zn in individual metres
- DHEM results show initial target intercepted and coincident with pyrrhotite
- DHEM identifies very strong (~170 ms time constant) offhole conductor
- Disseminated pyrrhotite alteration halos can be associated with Cobar-style deposits
- Follow-up drilling planned for new year



Cobar Project – June 2011



Cobar Project – June 2013

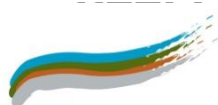


Cobar Superbasin Project (CSP) – 100% PEX

Large, highly prospective land package underwritten by Mallee Bull Farm-in

- **100%-owned and highly prospective**

- 14 ELs covering more than 3,062 km²
- Largest exploration landholding in the South Cobar Superbasin
- Leveraging off Mallee Bull discovery and exploration presence/infrastructure
- Largely underexplored/underdrilled
- Preliminary tenure review completed December 2012
- Major geochem (portable XRF) programme underway
- Multiple walk-up targets including Sandy Creek, Mundoe, Bedooba, Tara, Gilgunnia South prospects
- RC drilling at Mundoe completed 2012 – significant drill results returned over 600m strike and open
- Multiple new (previously unknown) prospects identified: several with coincident geophysical and geochemical anomalies
- Exploration continuing with aim of ranking targets prior to drill testing



Sandy Creek: the next Mallee Bull?

- **Sandy Creek key facts**

- 20 km along strike and north of Mallee Bull
- Stratigraphic equivalent to Mallee Bull in high strain structural environment
- Coincident magnetic, strong electromagnetic and IP anomalies
- Historic drilling tested edges of DHEM conductor plate model only with SCDD02 (Pasminco) yielding encouraging results:
 - 1.4m at 12.7% Zn, 5.7% Pb, 45g/t Ag from 199.7m
 - 3.0m at 2.0% Zn, 1.2% Pb from 426m
 - 10.2m at 1.6% Cu, 7.4% Pb, 68g/t Ag from 521.8m (incl. 3.3m at 1.5% Cu, 18.0% Pb, 122g/t Ag from 523.7m) – approx. coincident with conductor plate model
- PSCDD001 completed by Peel in August 2013 targeting strong offhole DHEM anomaly intersects several broad zones of mineralisation/alteration Including:
 - 25m at 0.9% Zn, 0.4% Pb, 4 g/t Ag from 237m
 - 19m at 0.3% Zn, 2.6% Pb 16 g/t Ag from 493m (incl. 4m at 0.5% Cu, 9.6% Pb, 1.1% Zn, 48g/t Ag from 493m) – approx. coincident with conductor plate model
- Geological logging of PSCDD001 shows strong, broad alteration indicative of significant hydrothermal system
- Wirlong and Redshaft copper workings never drilled with oxide copper at surface



Investment Highlights

1

Cobar Basin = worldclass mineral province

2

Mallee Bull = high grade copper discovery

3

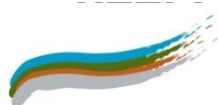
Strong partnership through CBH Resources Farm-in

4

Large strategic landholding with exciting prospects

5

Small team, high success rate, money goes into the ground



Notes

1. *Information regarding drilling/assaying data*
2. *Drilling was completed as HQ or NQ diamond core.*
3. *Sample recoveries were considered adequate for all samples.*
4. *Drillcore has been logged in detail based on lithology, mineralisation, and alteration.*
5. *Samples for analysis were collected by sawing core in half.*
6. *Samples were submitted as 1m or 4m composite half-core intervals.*
7. *Samples were analysed at ALS Chemex utilising methods: Au-AA25 for Au (fire assay); ME-ICP41, ME-ICP61 or ME MS61 for multi-element including Ag, Cu, Pb, Zn; Ag-OG46 for >100 g/t Ag; Cu-OG46 for >1% Cu; Pb-OG46 for >1% Pb; and Zn-OG46 for >1% Zn.*
8. *Drillhole collars were surveyed by DGPS (GDA94) and downhole gyroscopic surveys were run continuously.*

** Copper Equivalent Calculation Explanation:*

- *The copper equivalent (CuEq) calculation represents the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage. These results are exploration results only and no allowance is made for recovery losses that may occur should mining eventually result, nor metallurgical flowsheet considerations. The copper equivalent calculation is intended as an indicative value only. No metallurgical testwork has been completed to date however it is the Company's opinion that all the elements included in the copper equivalent calculation have a reasonable potential to be recovered.*
- *Copper equivalent conversion factors and long-term price assumptions used follow:*
Massive Sulphide Zone Copper Equivalent Formula (CuEq) = (Cu (ppm) x 0.0075 + Ag (ppm) x 0.96 + Au (ppm) x 50.00 + Co (ppm) x 0.025)/0.0075;
- *Stringer/Breccia Sulphide Zone Copper Equivalent Formula (CuEq) = (Cu (ppm) x 0.0075 + Ag (ppm) x 0.96 + Au (ppm) x 50.00)/0.0075;*
- *Price Assumptions - Cu (US\$7,500/t), Ag (US\$30/oz), Au (US\$1,500/oz), Co (US\$25,000/t).*
- *Pb and Zn have not been used in copper equivalent calculation.*





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