



# MRV Metals Launch February 2016



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## COMPETENT PERSONS’ STATEMENTS

The information provide in this presentation relies upon that which has previously been released to the ASX under the relevant standards and requirements at the time of the referenced releases, which are clearly quoted within this document.

Future looking statements and comment upon the resources, reserves or exploration targets will be released by the company once a full technical review is undertaken and as such Moreton Resources makes no warranties as to the accuracy of the information released to the ASX by prior Companies.

**Moreton Resources is an Australian company seeking to enter the operating resources sector and as such, through its Board and Management structures offers well over 120 years of mining experience**

Safety is uncompromised in everything we do.

We respect the traditions and cultures of People including the unique relationship that traditional owners have with the land. Our focus is to work with the Indigenous People of the region and recognise this is an essential part of successful operations.

The Board and Management clearly take full responsibility for the company's history, and since the new direction via strong and proven leadership entering the company in late 2013, our current and future commitment to operating within proven industries is unwavering and we commit to not only own but resolve the historical issues.

Environmental issues, past, current and potential future, are all taken extremely seriously by Moreton Resources and as such we actively promote sustainable mining through contemporary, highly legislated frameworks, in proven and safe mineral extraction technologies.

## Core Values & Beliefs

- Commitment to safety, environment and communities
- Our people are our competitive advantage
- Continuing to create shareholder value
- Australian focused

At Moreton Resources we believe our people, our business associates, our communities and the environment are all critical and must be afforded the safest and healthiest conditions.

Building relationships based on trust and mutual advantage is the pinnacle of coexistence and is the basis for all of Moreton Resources considerations and activities.

Moreton Resources recognises the scenic, ecological and economic value of the areas in which we operate and we take our environmental responsibilities seriously both currently and in the future.



# *The Development of a Diversified Junior Resources Company is rapidly coming together*

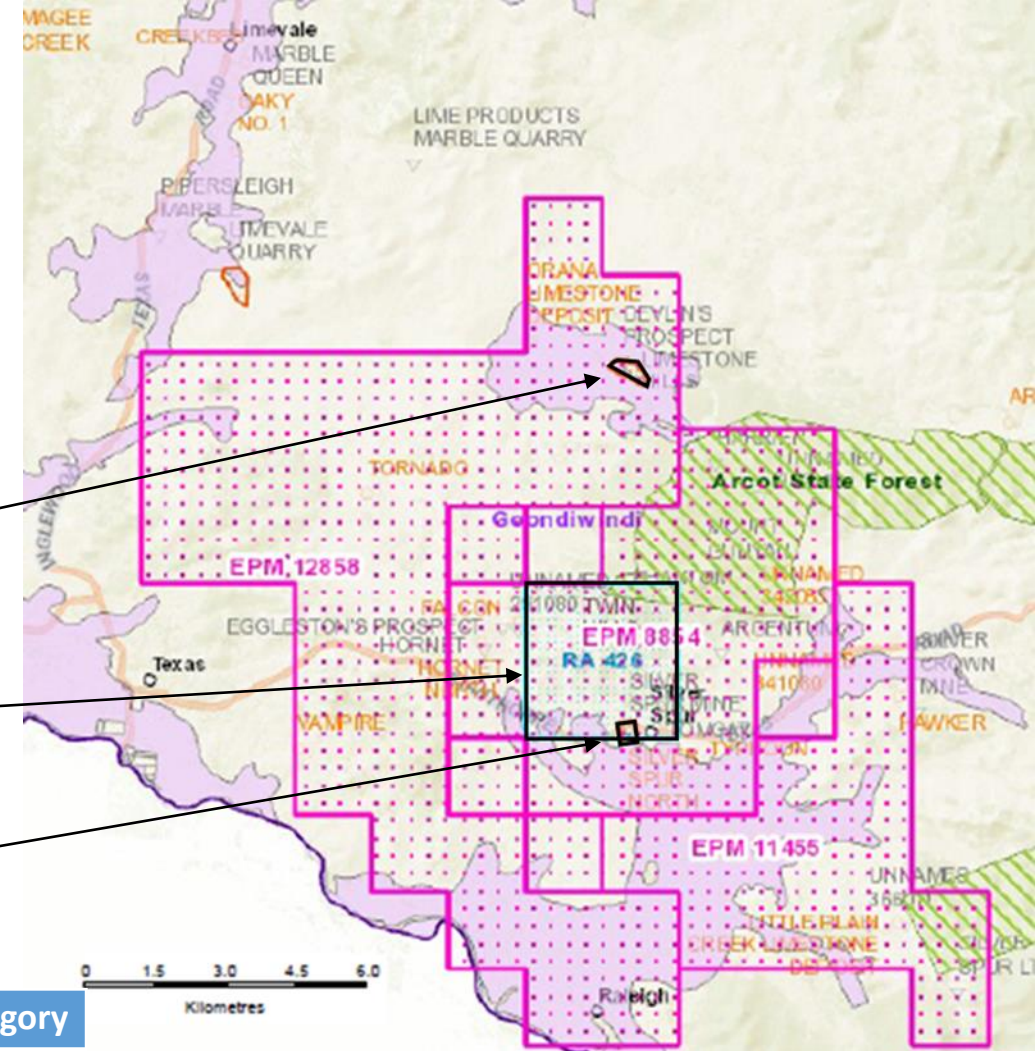


# ***Strategic Aquisition***

- ***Multiple Opportunities within one major package of tenements***
- ***Project Development ideal with infrastructure already proven***
- ***Financials are sound at bottom of market with upswing potential***
- ***Community Benefits – Prior and current mining region***
- ***Significant work done on this asset to identify potential***
- ***Potential to shore up two additional Mineral Resources with limited drilling***
- ***Opportunities present across entire lease with variety of base metals***

# Texas Silver EPM Acquisition

- Four granted exploration permits (EPM)
- Three require negotiation of extension
- Overlays (exclusions)
  - Small limestone mining lease (in NE)
  - Restricted Area RA426 covering Twin Hills and Silver Spur mines (central). Established in 2015 due to a \$8M outstanding environmental liability
  - Silver Spur mining lease expiring 30/6/2016 (mostly under RA426)



Source: Queensland State Government web service MinesOnlineMaps

| Tenement | Grant Date | Expiry Date | Minerals                 | Sub-blocks | Native Title Category |
|----------|------------|-------------|--------------------------|------------|-----------------------|
| EPM8854  | 8/7/1992   | 7/7/2016    | All minerals except coal | 17         | Pre-existing right    |
| EPM11455 | 1/4/1998   | 31/8/2018   | All minerals except coal | 14         | Pre 1996 grant        |
| EPM12858 | 10/8/2000  | 9 /8/2016   | All minerals except coal | 34         | Native tile excluded  |
| EPM18950 | 31/5/2011  | 3/5/2016    | All minerals except coal | 2          | Exclusive land        |



# Texas Silver EPM Geology

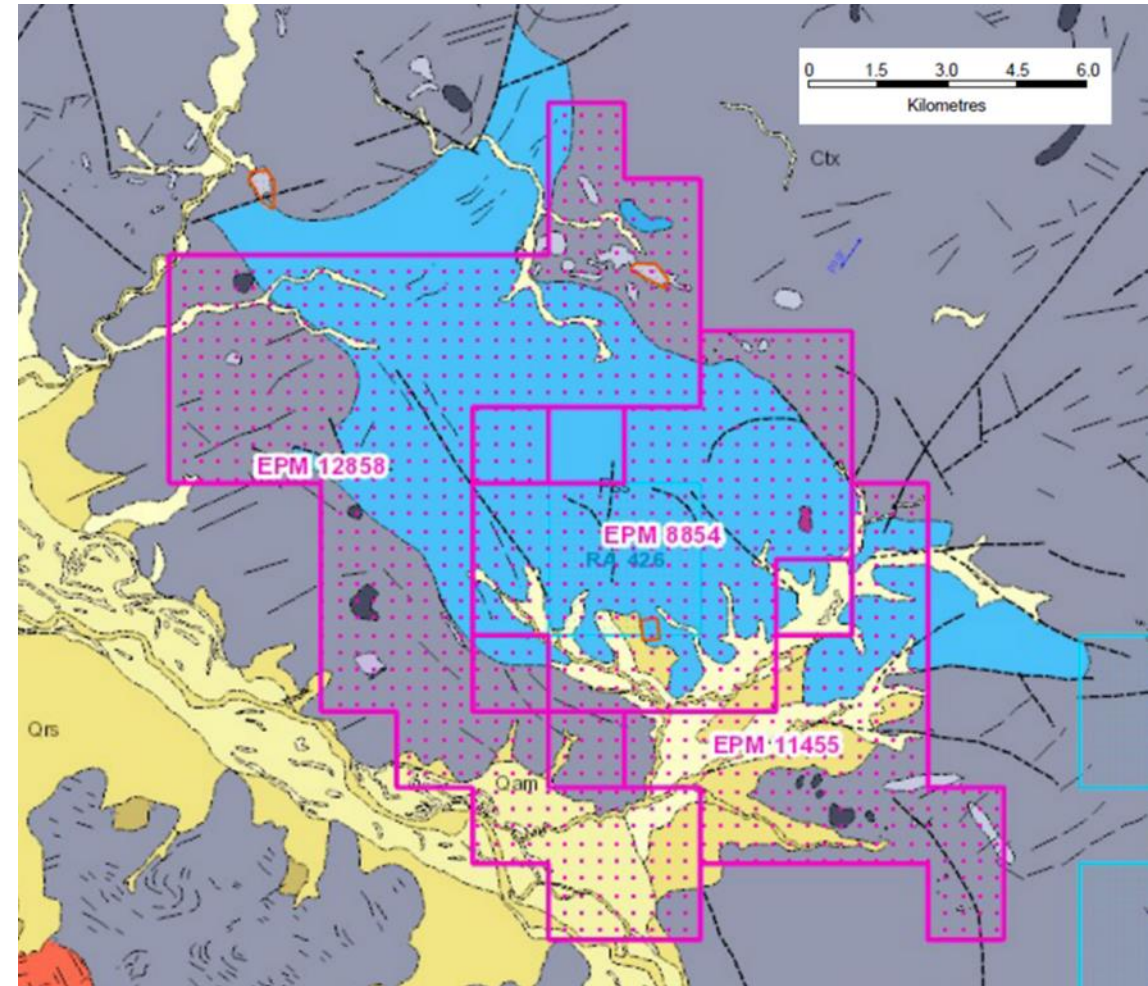
Permits cover prospective Silver Spur Beds in blue which host -

- A number of mining operations in 1890s
- Silver Spur mine produced 100 kt at 800 g/t Ag, 25% Zn and 13% Pb
- Twin Hills silver mine that produced 1.4 Moz recoverable silver from 2008 to 2014
- My Gunyan silver Mineral Resource

Prospective for mineralisation styles

Prospective for mineralisation styles

- Silver rich epithermal
- Base metals including copper and zinc-lead



Source: Queensland State Government web service MinesOnlineMaps

# **Texas Silver RA462** *(Not within Acquisition Agreement)*

Restricted area RA462 contains

- Silver Spur deposit
  - 100 000 t at 800 g/t Ag, 25% Zn and 13% Pb (Alcyone, 18/10/2012 reported under JORC 2004)
  - 1997 Mineral Resource estimate no longer valid as Macmin and Alcyone have added more drilling
- Silver Spur north prospect
- Twin Hills Mineral Resource of (Alcyone 31/1/2014 reported under JORC 2004)
  - Measured            1.7 Mt 77 g/t Ag
  - Indicated            5.7 Mt 44 g/t Ag
  - Inferred            0.9 Mt 53 g/t Ag
  - Total                0.8 Mt 52 g/t Ag
  - Does not exclude last ~6 months of production
  - 26.5 g/t Ag cut-off



# Mt Gunyan Mineral Resource

Within EPM8854, no previous mining

- Mineral Resource of (Alcyone 31/1/2014 reported under JORC 2004)

- Measured 0.7 Mt 56 g/t Ag
- Indicated 2.9 Mt 55 g/t Ag
- Inferred 0.3 Mt 48 g/t Ag
- Total 3.9 Mt 55 g/t Ag, 7.0 Moz in-situ
- 30 g/t Ag cut-off

- 2012 scoping study in-pit Mineral Resource (Alcyone 1/10/2012 reported under JORC 2004)

- Measured 0.7 Mt 52 g/t Ag
- Indicated 1.7 Mt 58 g/t Ag
- Inferred 0.03 Mt 54 g/t Ag
- Total 2.4 Mt 56 g/t Ag, 2.6 Moz recovered (4.4 Moz in-situ)
- Assuming 60% metallurgical recovery and \$30/oz silver metal price

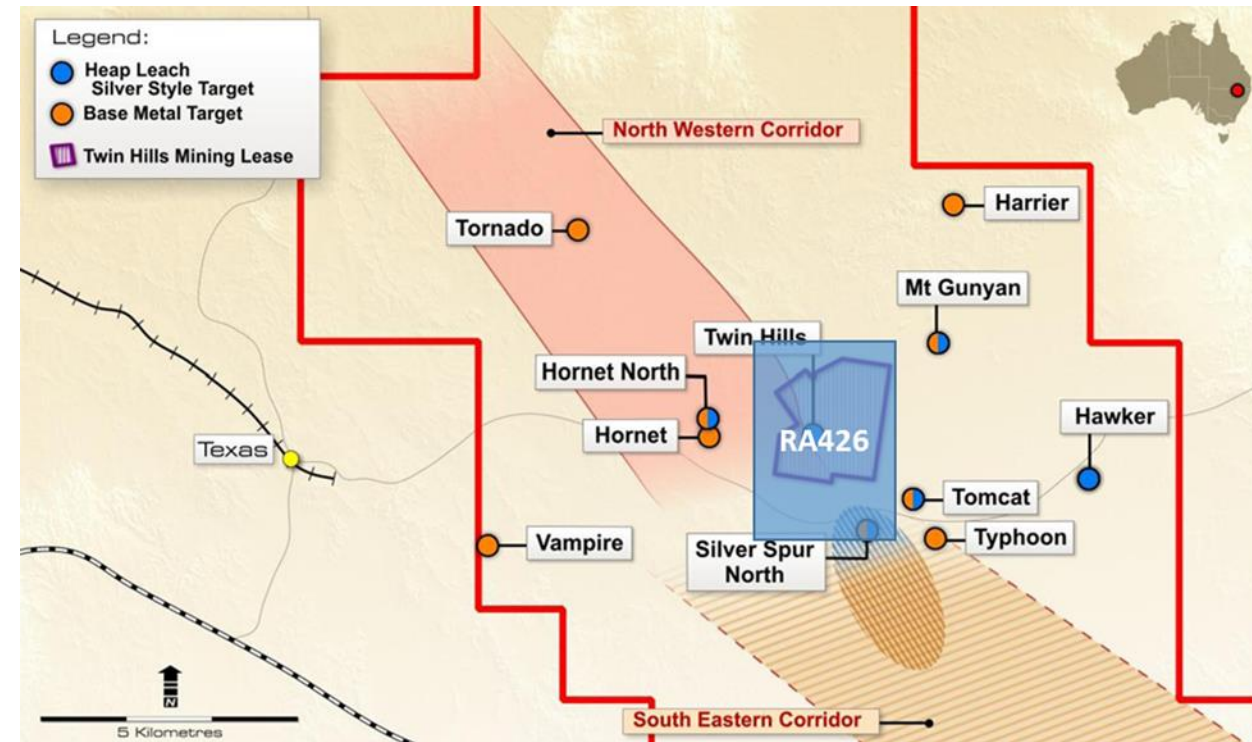
• These resources will transfer to MRV Metals, with desk top review required



# Silver Exploration Targets

## Alcyone silver Exploration Targets (updated 2013)

| Location                         | Target | Tonnes  |           | Mean Ag (g/t) |     |
|----------------------------------|--------|---------|-----------|---------------|-----|
|                                  | Ag Moz | Min     | Max       | Min           | Max |
| <b>Mt Gunyan</b>                 |        |         |           |               |     |
| Deeps                            | 0.7    | 250 000 | 500 000   | 50            | 70  |
| South East                       | 0.6    | 250 000 | 500 000   | 40            | 60  |
| South West                       | 0.6    | 250 000 | 500 000   | 40            | 60  |
| <b>Western Tectonic Corridor</b> |        |         |           |               |     |
| Tornado                          | 0.8    | 250 000 | 750 000   | 40            | 60  |
| Hornet                           | 1.2    | 500 000 | 1 000 000 | 40            | 60  |
| Falcon                           | 0.8    | 250 000 | 750 000   | 40            | 60  |
| un-named 1                       | 0.8    | 250 000 | 750 000   | 40            | 60  |
| un-named 2                       | 0.8    | 250 000 | 750 000   | 40            | 60  |
| <b>Individual Targets</b>        |        |         |           |               |     |
| Tom Cat                          | 1.6    | 750 000 | 1 250 000 | 40            | 60  |
| Phantom/Triangle                 | 0.7    | 250 000 | 500 000   | 50            | 70  |
| Hawker                           | 1.3    | 500 000 | 1 000 000 | 40            | 70  |

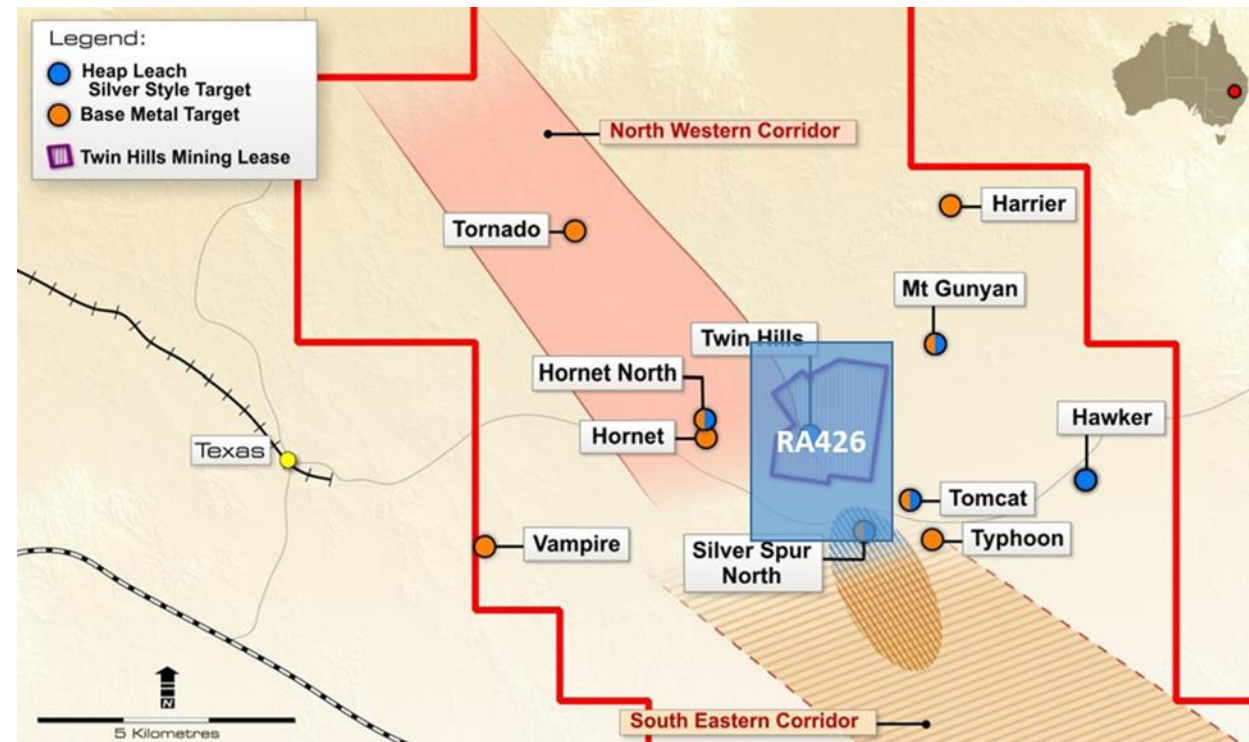


Alcyone (14/11/2013) reported under JORC 2004  
 Excludes Exploration Targets assumed inside RA426

# Base Metals Exploration Targets

Base metal Exploration Targets not updated by Alcyone expect for  
Hornet Copper (Alcyone, 1/10/2012, reported under JORC 2004)

- 0.5 to 1.5 Mt grading 1 % to 2% Cu

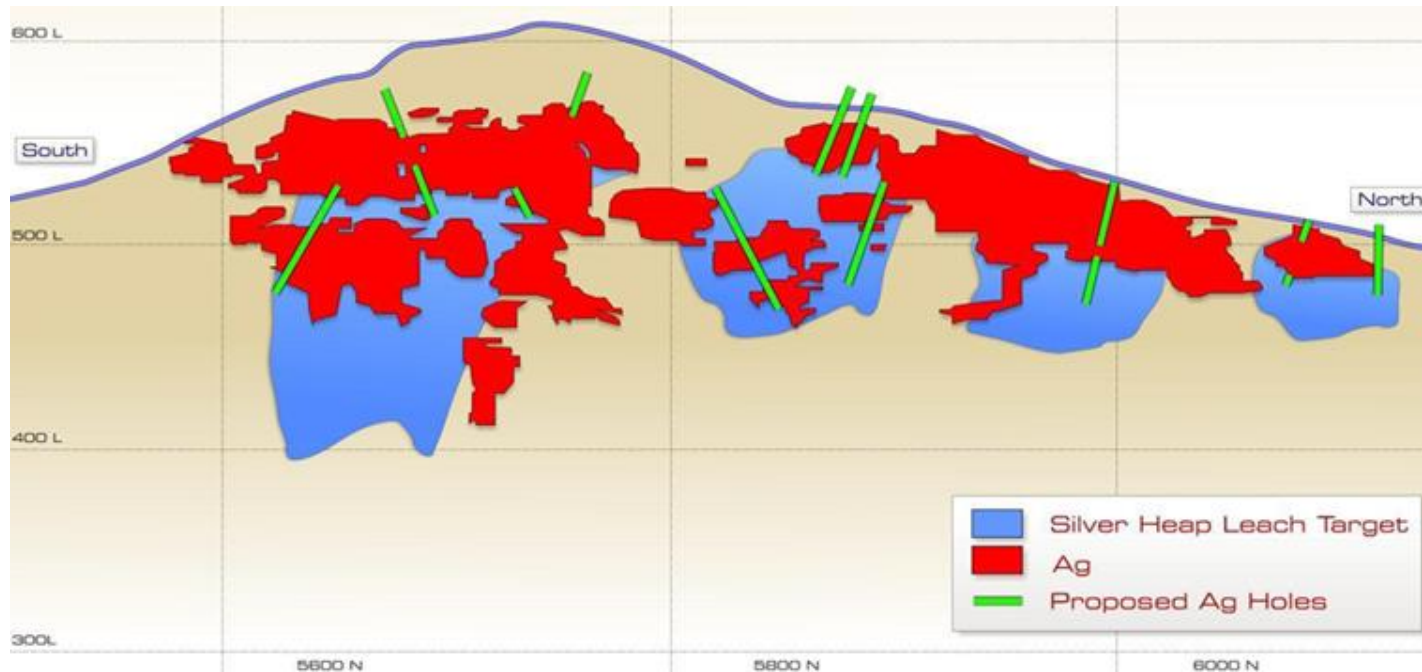




# Mt Gunyan potential

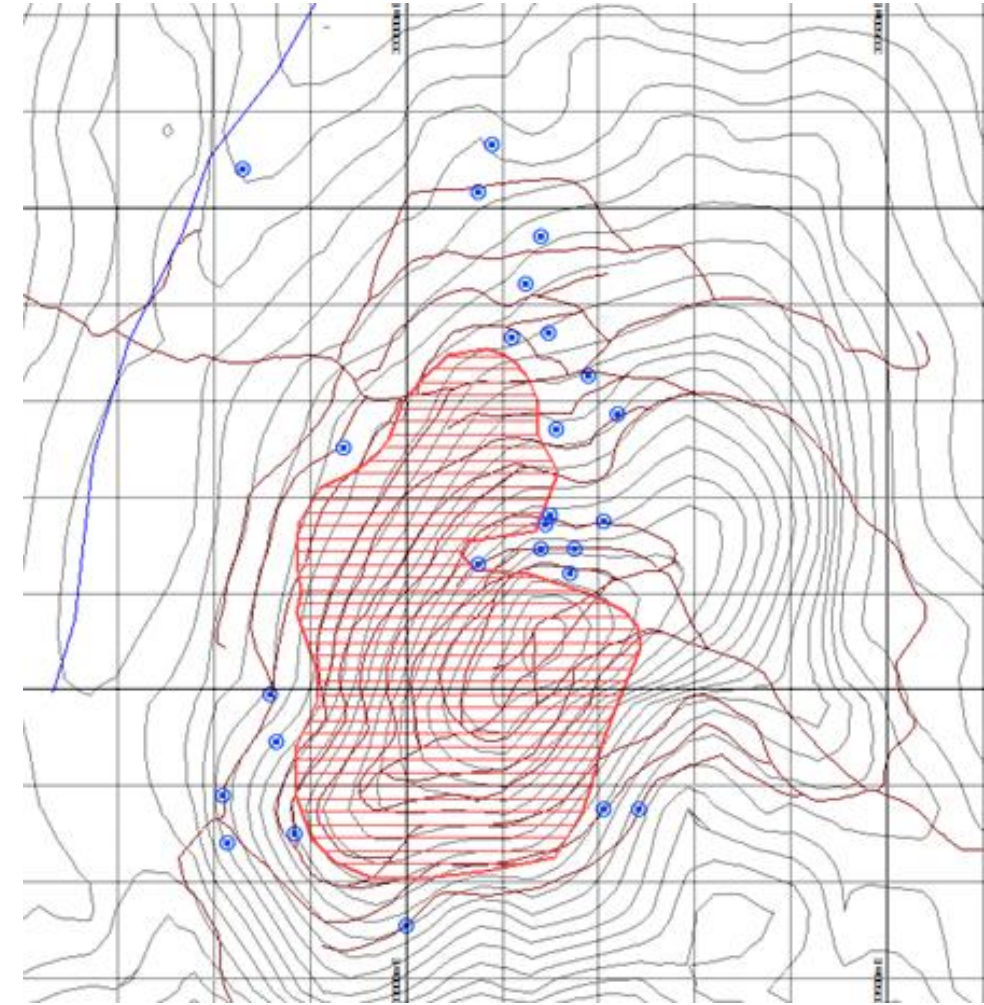
- Last drilling in 2010
- Planned extension drilling not commenced (Alcyone, 28/8/2013)
- Potential high grade zinc zones (Alcyone, 22/10/2010)
- Gold general low grade around 0.08 g/t Au but Mt Gunyan displays some higher grade zones

N-S Section Planned Drilling and Target Zones



Planned Drill Collars (blue)

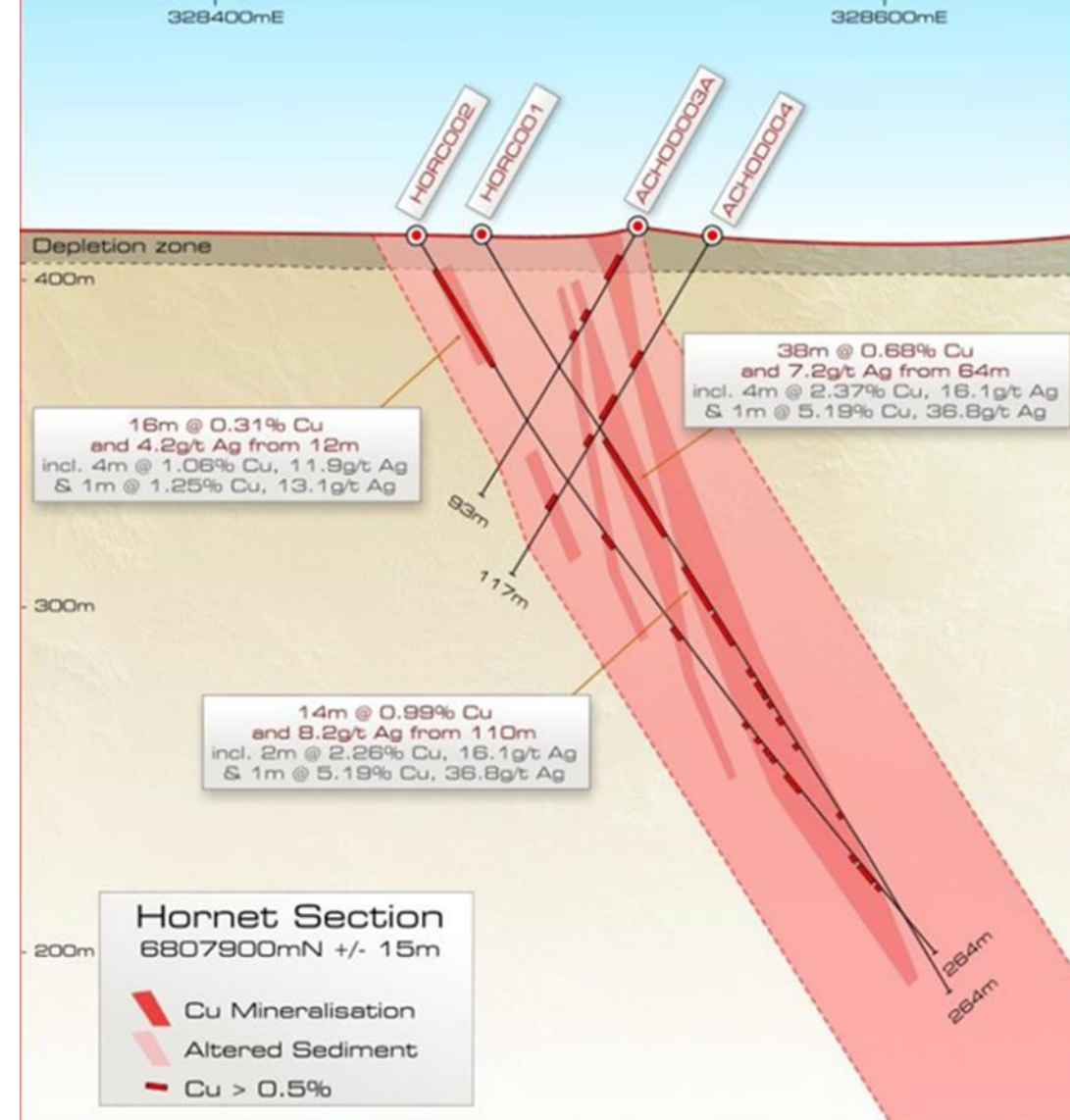
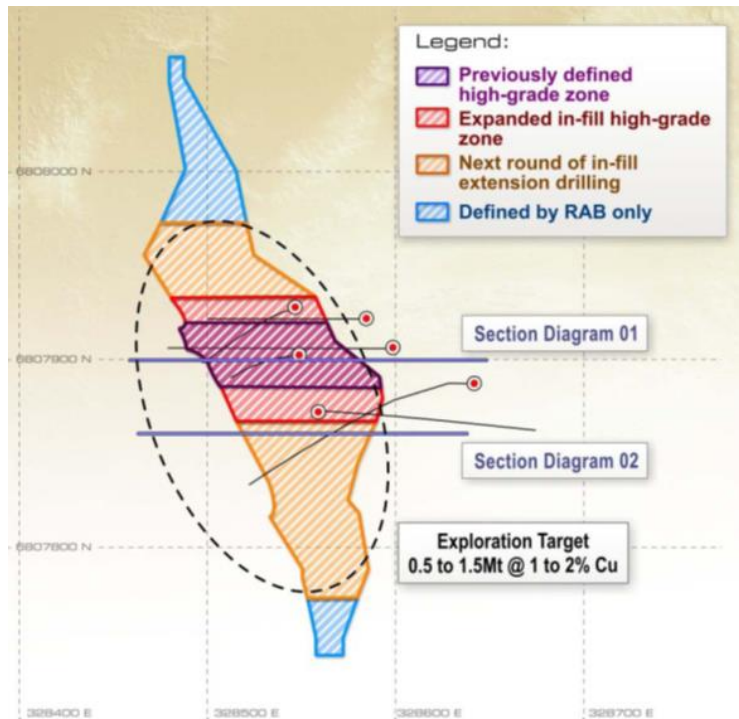
Mineral Resource extent (red)



# Hornet copper prospect

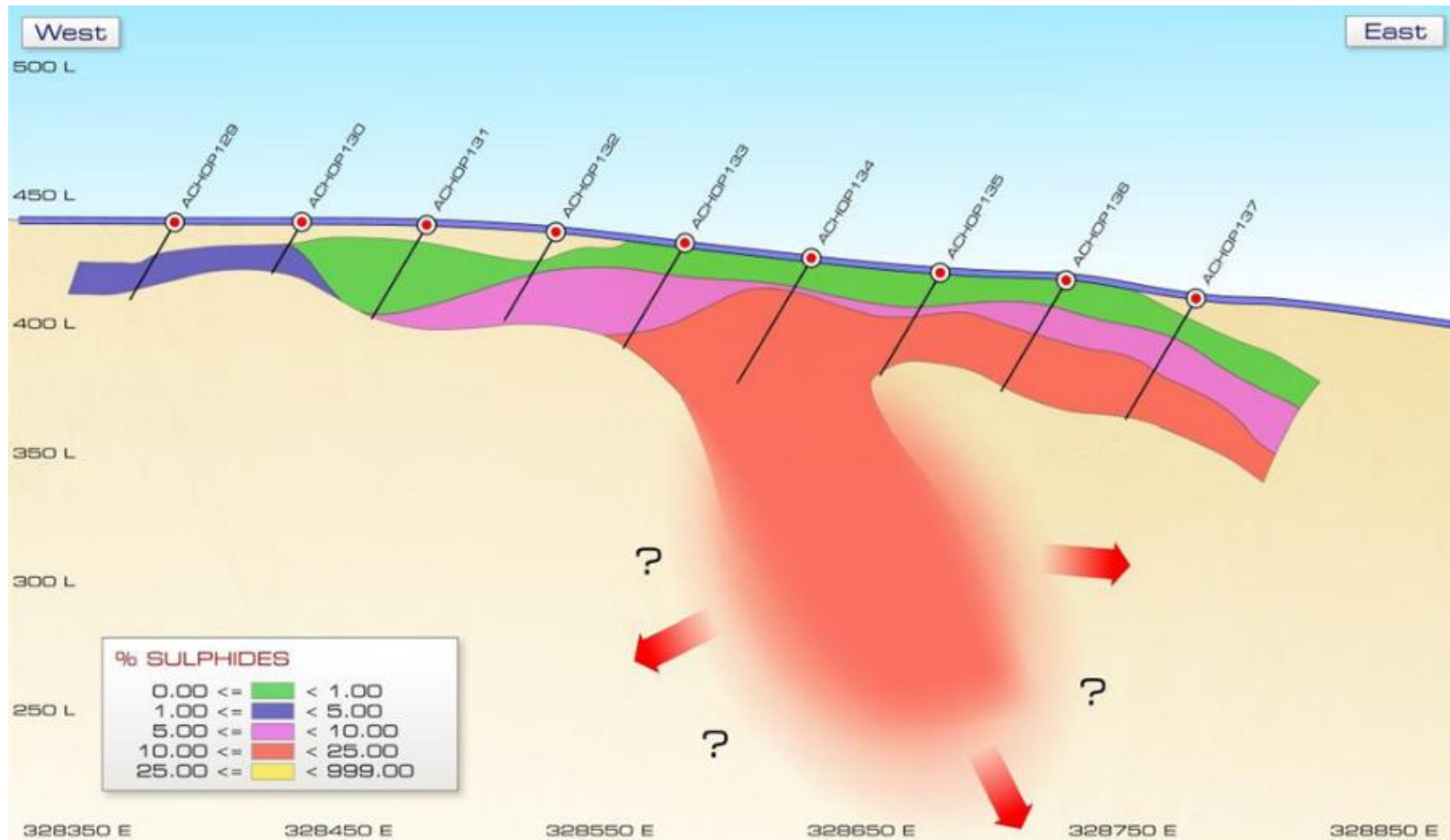
Most advanced drilling project after Mt Gunyan

- Regional RAB drilling
- 7 diamond holes in 2010 (Alcyone, 2/11/2010 & 27/10/2011)
- 9 RC holes in 2012 (Alcyone, 24/1/2012, 31/10/2012)
  - HORC009 10 m @ 1.24% Cu from 154 m
  - HORC005 6 m @ 1.75% Cu from 120 m



# Hornet North prospect

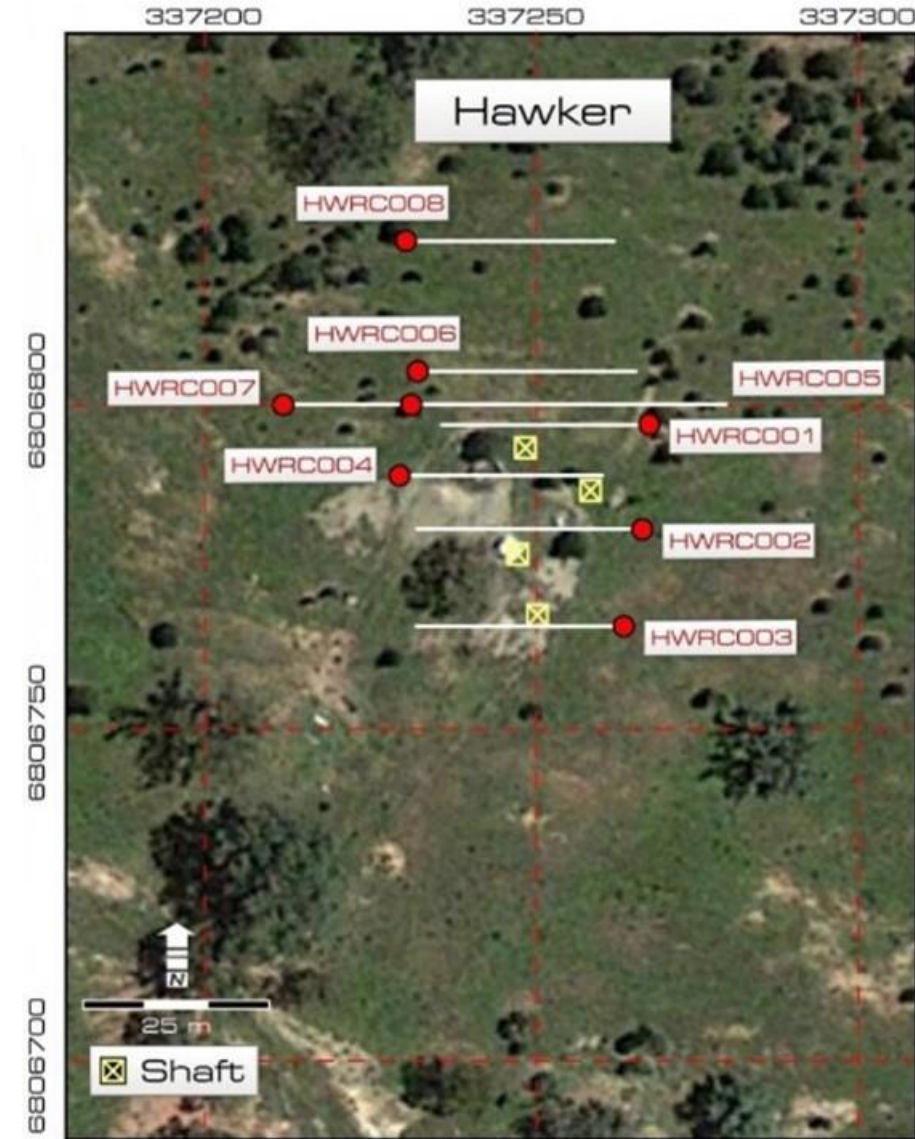
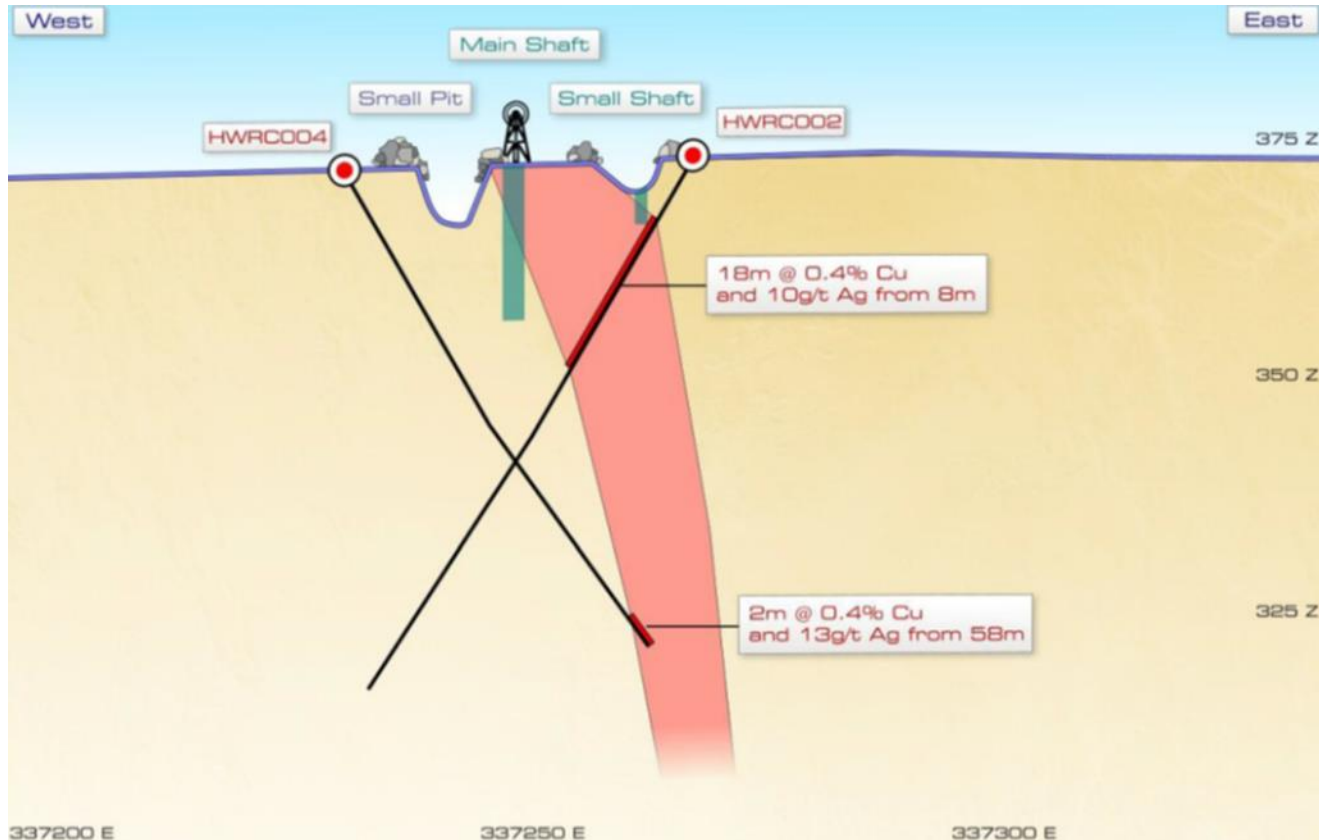
- RAB drilling report sulphides up to 25% and up to 1% Zn (Alcyone, 26/4/2012)





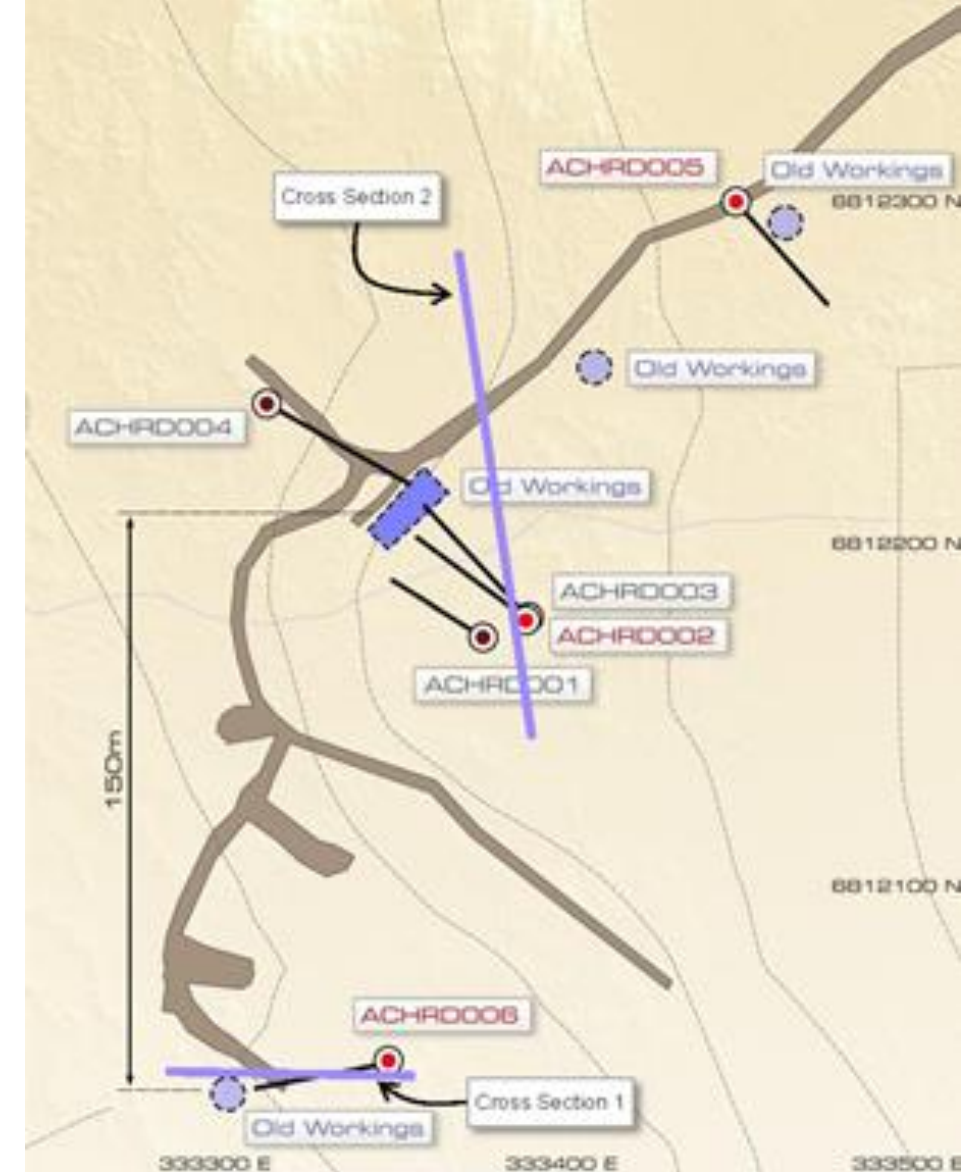
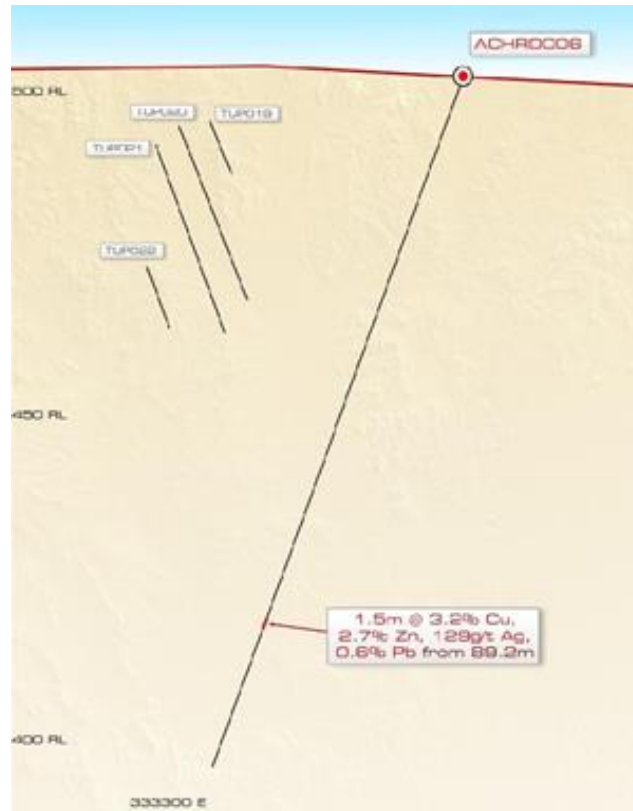
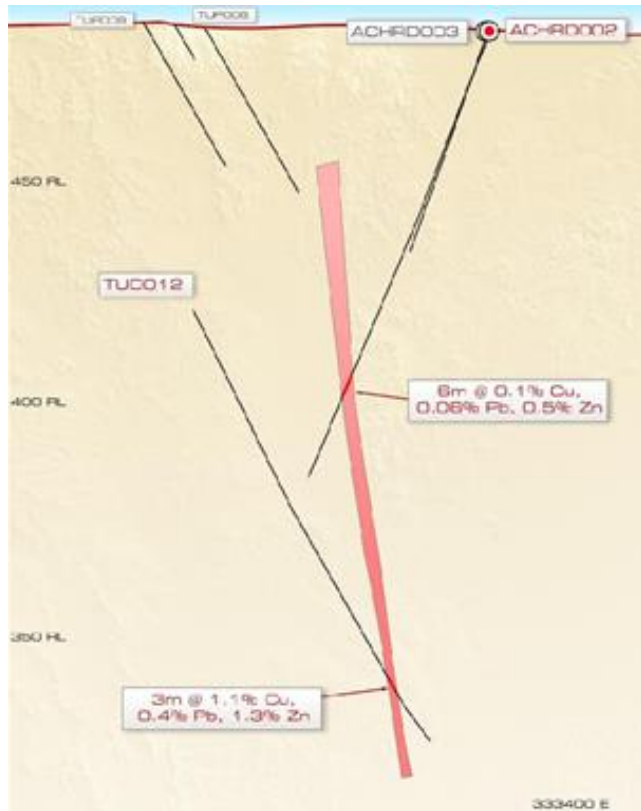
# Hawker copper prospect

- Anomalous silver and copper soils results and old workings
- An 8 hole RC program in 2012 (558 m)
- Peak 1 m sample assays of 100 g/t Ag and 3.5% Cu
- HWRC002 18 m @ 0.4% Cu (Alcyone 26/4/2012)



# Harrier polymetallic prospect

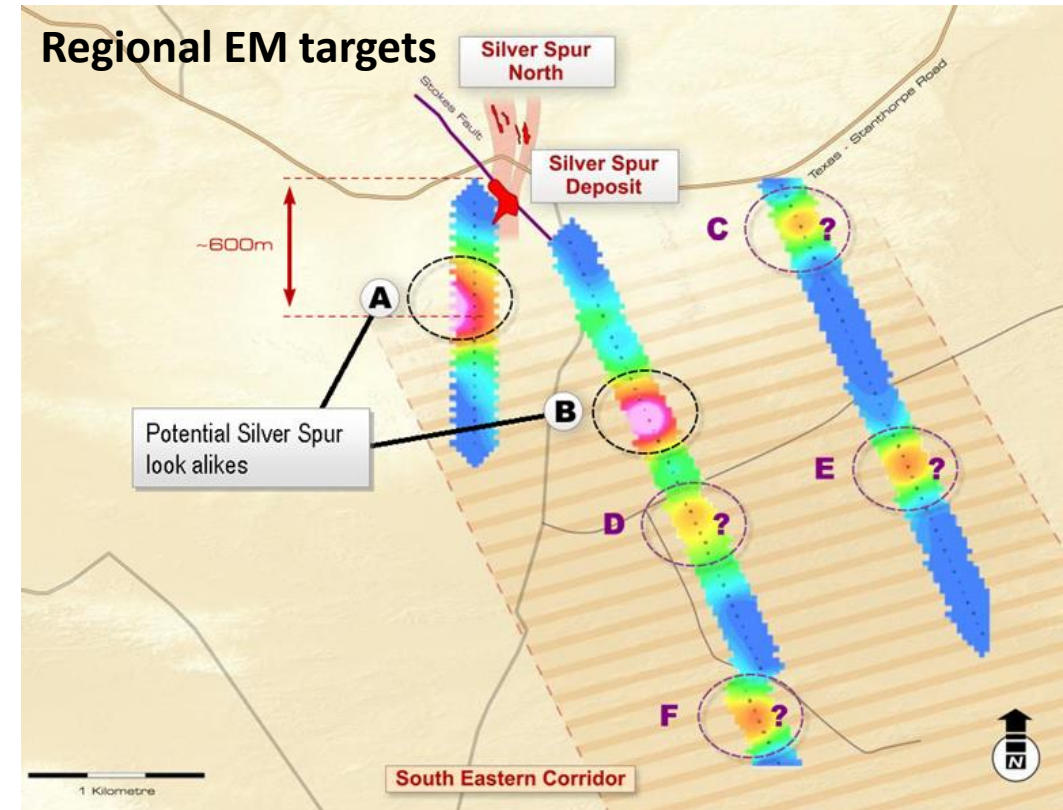
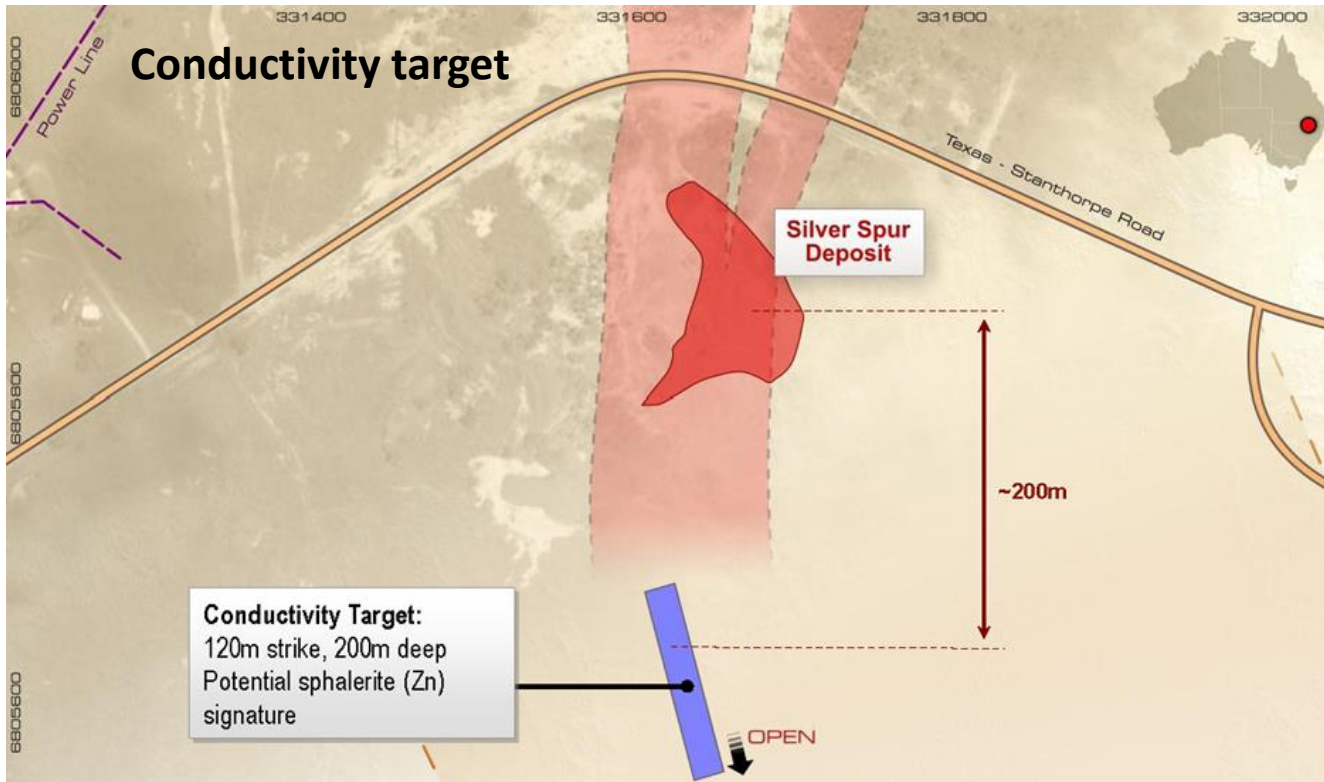
- Production of 81 tonnes at 11% Cu mined from 1920 to 1922
- 2004 drilling included (Macmin, 30/9/2004)
  - TUD2 5 m @ 6.0% Cu, 3.4% Zn and 328 g/t Ag from 93 m
- 9 drill holes in 2010 including (Alcyone 22/10/2010)
  - ACHR006 1.5 m @ 3.2% Cu, 2.7% Zn and 129 g/t Ag from 89 m





# Silver Spur south

- Silver Spur mine inside RA426
- Southern geophysical anomalies (Alcyone, 26/4/2012) not yet explored





# ***Mt Gunyan SE (silver)***

- Silver anomaly with similar signature and geochemistry as Mt Gunyan
- 11 RC holes in 2013 (Alcyone, 29/10/2013)
- 84 m of the 1067 m drilled registering >30 g/t Ag with hand held XRF
- Selective assay examples:
  - MTGE004            6 m @ 53 g/t Ag from 20 m
  - MTGE010            10 m @ 47 g/t Ag from 44 m

# ***Other Prospects***

- **Flacon**

- North-south line of soil and rock anomalies
- With chips samples up to 184 g/t Ag, 2.5 % Cu, 3.4% Zn, 13.7% Pb (Alcyone, 26/4/2012)
- 6 RC holes with hand held XRF with Zn grades up to 3% Zn (Alcyone, 31/7/2013)

- **Vampire**

- 75 ppm Cu soil anomaly
- 19 RAB holes with sulphides evident, no reported assays (Alcyone, 18/10/2012).

- **Tornado**

- Anomalous Ag and Zn surface samples
- 4 diamond drill holes in 2010 but no significant intersections (Alcyone, 27/10/2011).

**Thank You.**