

# VENUS METALS CORPORATION LIMITED

## DIVERSIFIED METALS EXPLORATION

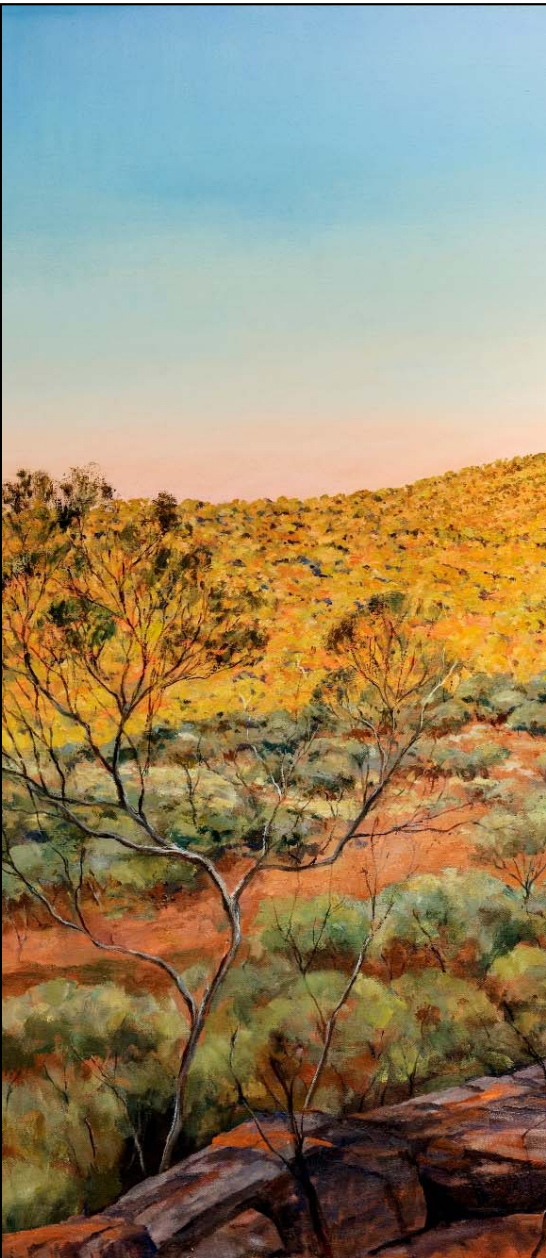
Matthew Hogan  
Managing Director  
September 2015



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# Venus Metals Corporation - Structure

**Venus Metals Corporation ('Venus')** is a diversified exploration company focused on a developing portfolio of volcanogenic massive sulphide ('VMS') base & precious metal projects in Western Australia.

Experienced Board & Management

**Terry Hogan** – Non-Executive Chairman

**Matthew Hogan** – Managing Director

**Kumar Arunachalam** – Executive Director

Specialist Technical Team

**Tim Putt** – VMS Systems

**Barry Fehlberg** – Exploration Advisor

**Lynn Widenbar** – Resource Modelling

ASX Code: VMC

Issued Capital: **56,867,123**

Options (Exp 30 Nov 16): **32,291,061**

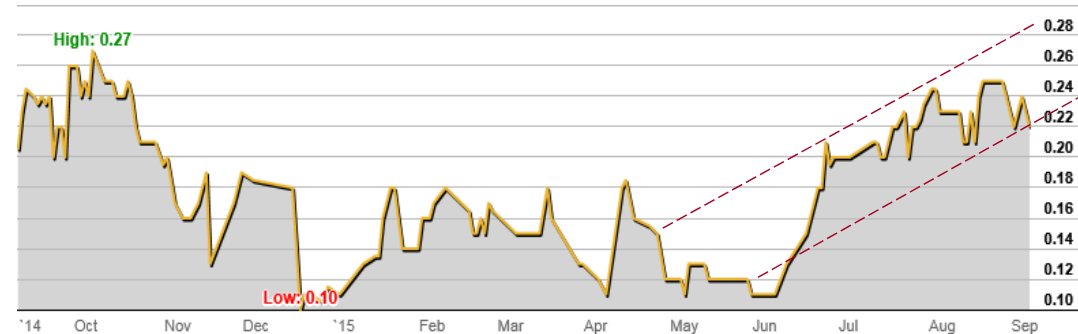
Share Price: **\$0.22**

Market Cap: **A\$12.5 Million**

Debt: **Nil**

Top 20 Shareholders: **57%**

Listed: **2007**



VMC - Share Price & Volumes (1 Year)

# Venus Metals Corporation – Key Projects



Venus Metals has assembled a portfolio of highly prospective base & precious metal VMS projects in two key terranes in Western Australia, namely:

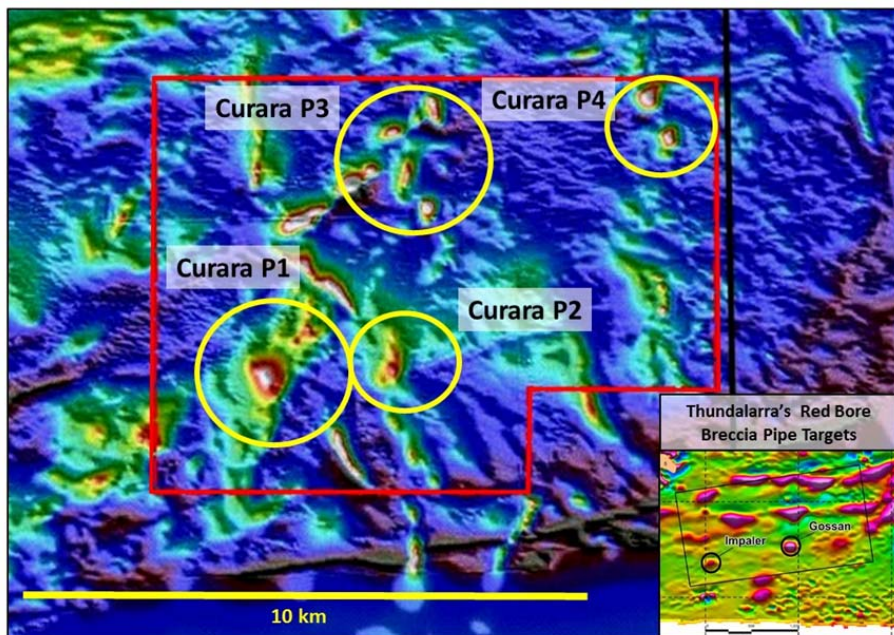
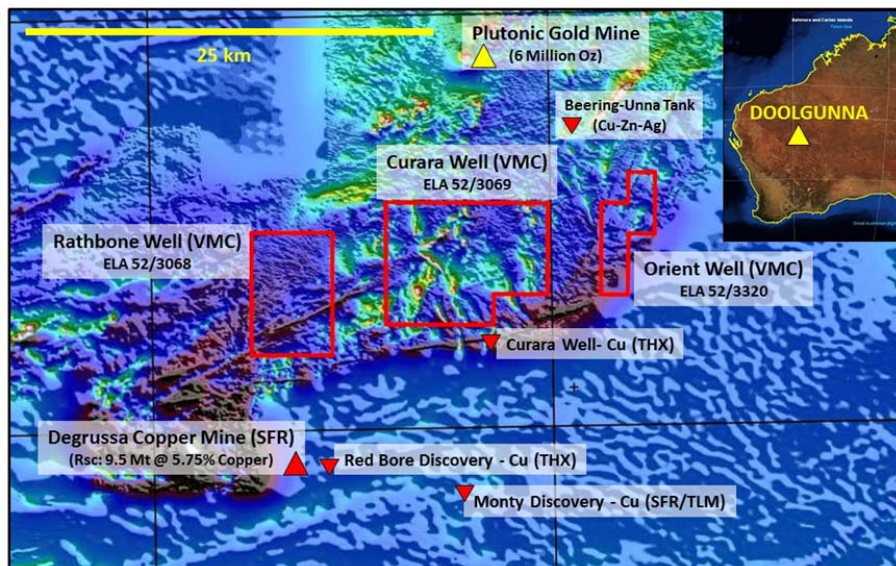
- The Doolgunna Region - the region hosts the Degrussa mine, as well as the Montys & Red Bore prospects.
- The Youanmi Region - the region hosts the Pincher Well, Manindi South, Shirley Bore & Ram Well VMS prospects.

Priority targets for the company include:

- Curara Well Copper- Gold - Doolgunna
- Manindi South Copper-Zinc Project – Youanmi
- Pincher Well Zinc-Copper Project – Youanmi
- Bell Chambers Gold-Copper Project - Sandstone
- This portfolio represents a ‘pipeline’ of projects ranging from advancing geophysical targets through to established JORC 2012 mineral resources.
- Projects are adjacent and close to mining and logistical infrastructure.



# Doolgunna – Curara Well Copper-Gold Project



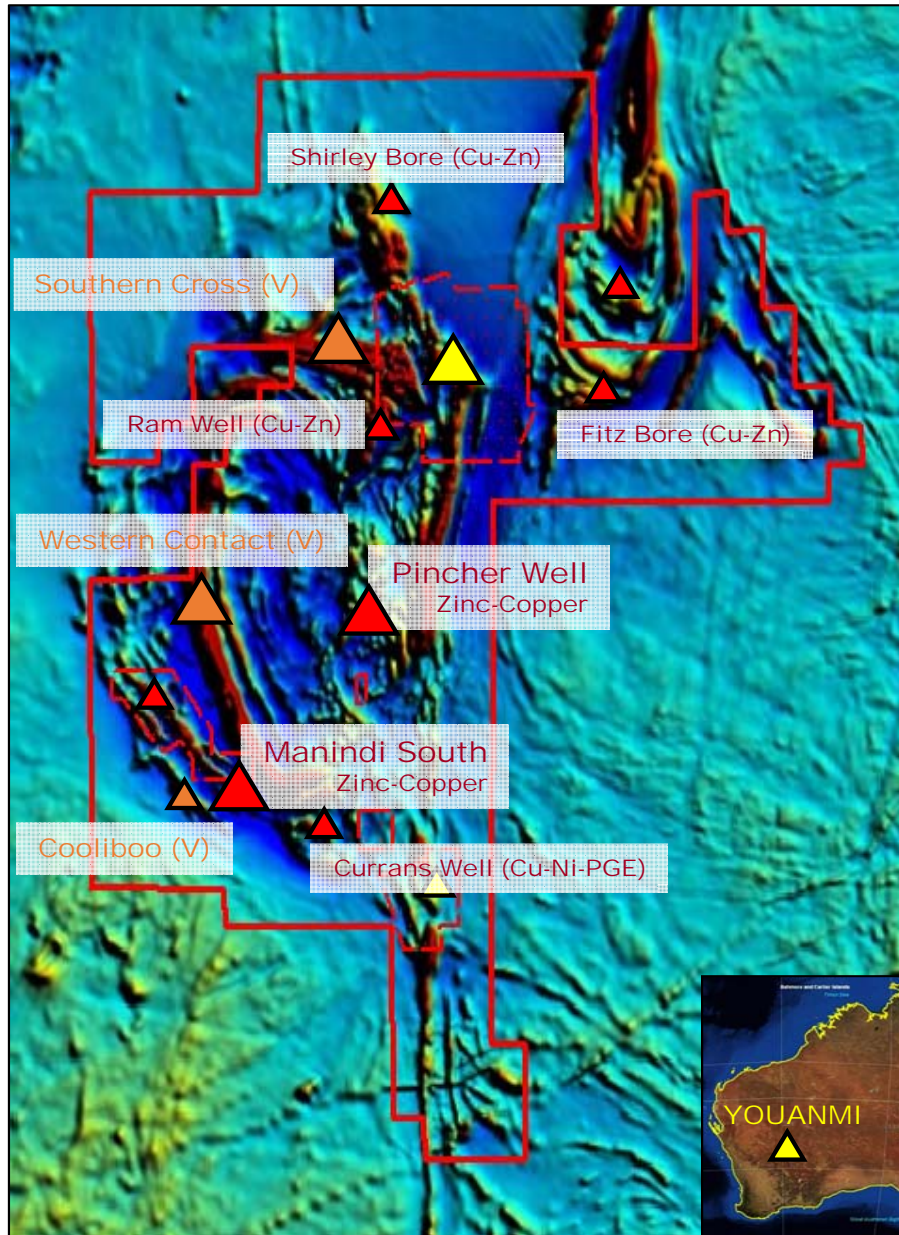
The Curara Well Copper project (ELA 52/3069) is one of three tenements pegged 10 km to the NE of Sandfire's high-grade Degrussa copper mine.

Curara Well highlights include:

- Recent discoveries in the region include Monty (Sandfire/Talisman Joint Venture) and Red Bore (Thundelarra).
- 'Red Bore-Style' breccia pipe targets in geophysics, similar Thundelarra's high-grade discovery at Red Bore adjacent to Degrussa.
- Breccia pipes occur singularly or as clusters with preserved volcanic lithologies below over-thrust granite sheets.
- Brecciated lithologies observed in outcrop as well as anomalous copper in surface geochemistry.
- Airborne EM has been commissioned to further validate geophysical targets for drill testing.
- Tenement applications moving to grant through heritage negotiations.



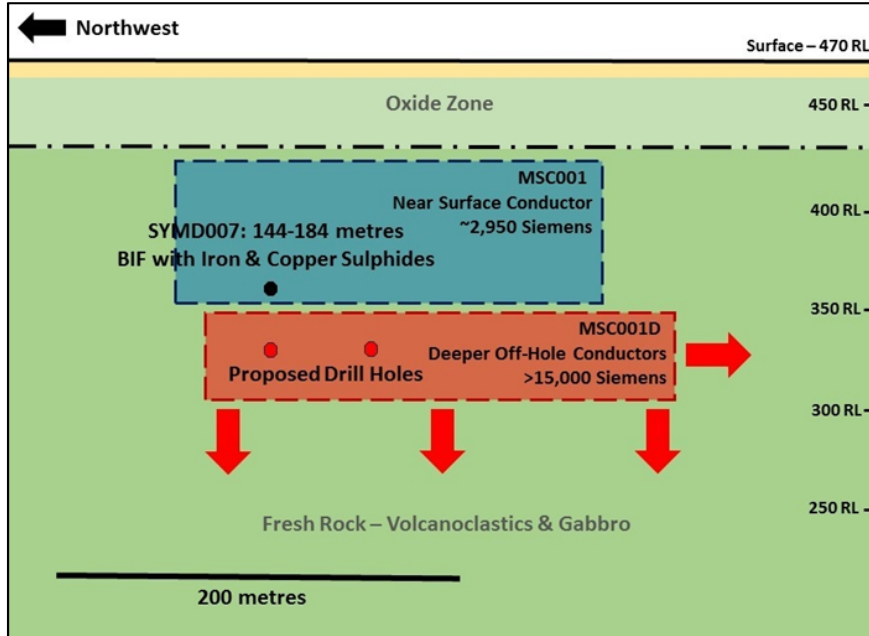
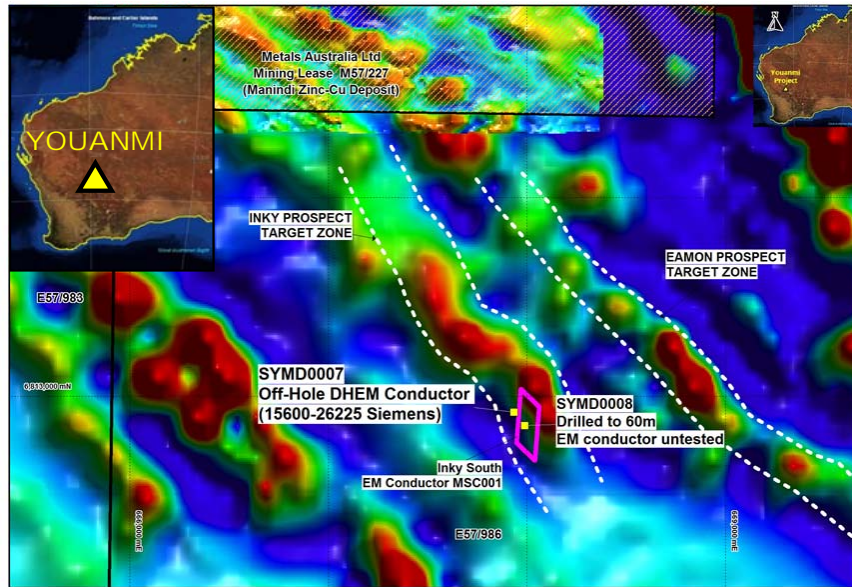
# Youanmi – A Strategic Ground Holding



The Youanmi greenstone belt is located 475 km NE of Perth in Western Australia.

- The belt hosts a number of gold mines as well as deposits in commodities as diverse as zinc and vanadium.
- Venus has assembled a strategic tenement holding covering more than 860 km<sup>2</sup> of the belt.
- The Youanmi belt has subject to limited exploration since the 1990s with most work up until that time biased towards gold.
- Priority targets include:
  - Manindi South Copper-Zinc Prospect
  - Pincher Well Zinc-Copper Prospect
  - Cooliboo Vanadium Prospect
- A number of prospects at Youanmi host significant resources or exploration targets\*.

# Youanmi – Manindi South Copper-Zinc Project

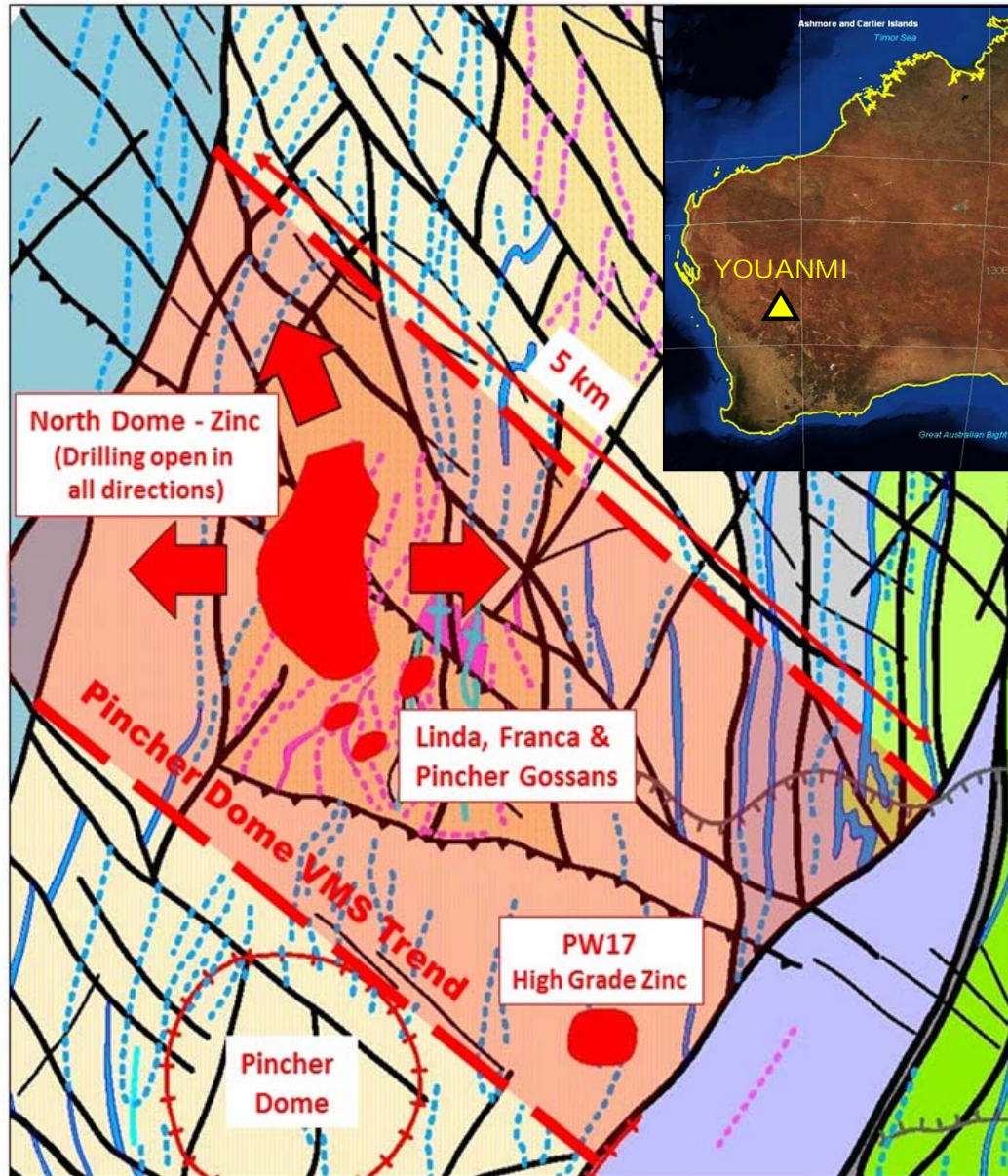


The Manindi South project (E 57/983 & 986) located 12 km to the west of Youanmi gold mine. The Inky & Eamon Cu-Zn prospects lie along strike from the Manindi VMS Zn-Cu deposits (not assets of VMC).

- Inky and Eamon prospects lie within the 15 km long Manindi VMS base metal trend,
- Trend hosts typical VMS exhalative style targets, with multiple sulphide lodes.
- Previous drilling (SYMD007) at Inky South intersected 40 metres of semi to massive iron and copper sulphides, deeper conductors remain untested.
- Strong (15,600-26,225 Siemens) off-hole conductors detected in DHEM below SYMD007 (indicative of copper & iron sulphides).
- RC/ Diamond drilling planned for Inky South – POWs lodged with WA DMP.



# Youanmi - Pincher Well Zinc-Copper Project



The Pincher Well project (ELA 57/1019) is located 15 km to the SW of the Youanmi gold mine.

- VMS hosted base metal mineralisation was discovered at Pincher by WMC/BHP in the 1980s; little exploration has been undertaken since that time.

- BHP described the Pincher area as:

*“As a geological environment favourable for the occurrence of large ore bodies, Pincher Well is outstanding. Indeed, it could be argued that Pincher is more favourable in that respect than either Golden Grove or Teutonic Bore.....”* – N. White, BHP Exploration, 1983

- Substantial ‘Exploration Target’\* at North Dome:

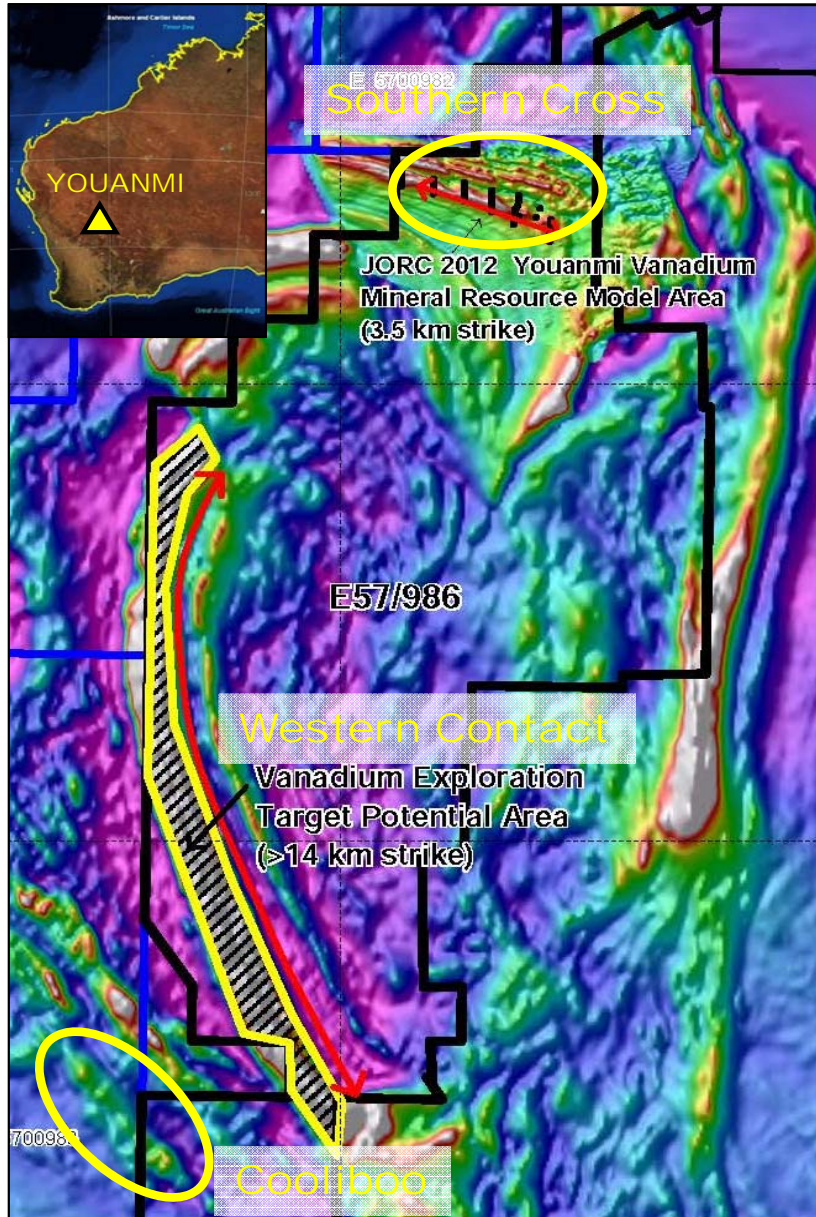
15-25 Million Tonnes @ 2-5% Zinc,  
hosting high-grade lodes of >10% Zinc

- Program of geophysics, including IP, and 3D modelling planned.
- Various options being considered to accelerate exploration program.

\* Refer to statements on pages 13 & 14 in regard to JORC and ‘Exploration Targets’.



# Youanmi Vanadium Project



The Youanmi Vanadium project covers more than 30 km of prospective stratigraphy, with the original 'Southern Cross' resource only 8 km to the east of the Youanmi gold mine.

- The JORG 2012 Inferred Resource at Southern Cross is:

167.7 Million Tonnes @ 0.41%  $V_2O_5$  / 7.52%  $TiO_2$  / 24.6% Fe (at a 0.25%  $V_2O_5$  cut-off)

- Midas Engineering Group (formerly 'METS') have delivered a preliminary report in regard to potential processing options for the deposit.
- The Western Contact (>14 km of strike) has an 'Exploration Target'\* of:

550-650 Million Tonnes @ 0.35-0.45%  $V_2O_5$

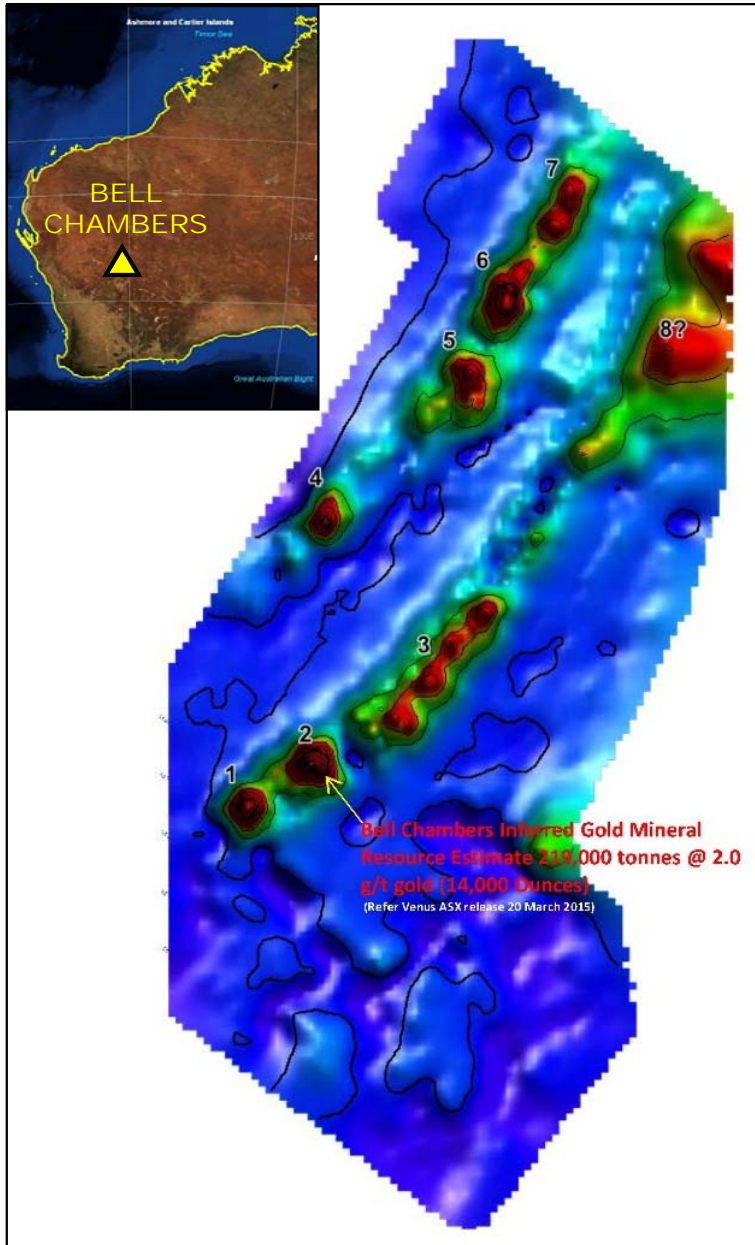
- Surface sampling of the 'Cooliboo' prospect (>5 km of strike) has returned outstanding results, including:

0.96%  $V_2O_5$  / 10.4%  $TiO_2$  / 53.2% Fe

- Various strategies are being considered to advance the project.

\*Refer to statements on pages 13 & 14 in regard to JORG and 'Exploration Targets'.

# Sandstone – Bell Chambers Gold-Copper Project



The Bell Chambers project (E 57/984) is located 23 km SW of Sandstone. Exploration to date has delineated a shallow JORC 2012 resource and recent airborne VTEM survey has defined an extensive mineralised trend hosting a numerous targets requiring further exploration.

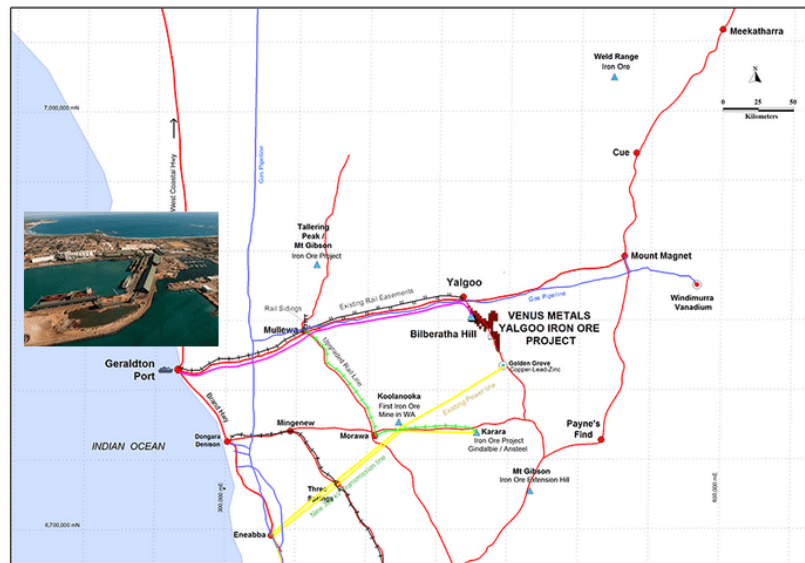
- JORC 2012 Inferred Mineral Resource:

219,000 tonnes @ 2.0 gpt Gold (14,000 Ounces)

- Mineralisation is sulphide rich below the oxide zone and has a strong EM response.
- Recent airborne EM over the project has defined a further 7 significant EM targets outside the original resource area.
- Models (see left) show bedrock targets along two major conductive trends covering more than 10 km of strike.
- EM targets are near surface and extend over a minimum of several hundred metres in strike and continue at depth.
- Venus is presently modelling the EM and historical drilling data to provide targets with the aim of increasing the resource base and further discoveries along strike and at depth.



# Yalgoo Iron Ore Project (50% VMC)



The Yalgoo Iron Ore project is located adjacent to existing infrastructure, including roads and rail, approximately 200 km to the east of the port of Geraldton.

- Exploration to date has outlined a substantial body of magnetite mineralisation.
- Access to infrastructure including roads, rail, gas, power and port.
- The JORC 2012 Mineral Resource for the project is as follows:

Indicated: 311,200,000 tonnes @ 30.7% Iron

Inferred: 387,000,000 tonnes @ 28.2% Iron

Total: 698,200,000 tonnes @ 29.3% Iron

- 5 year exemption on expenditure recently granted by WA DMP.

# Active Exploration Program 2015-16



Venus Metals has assembled an outstanding portfolio of base and specialty metals projects in Western Australia. The work program for the 2015-16 may include:

## Curara Well Copper-Gold (Doolgunna)

- Airborne EM (contracted) and data review to define targets for drilling.

## Manindi South Copper-Zinc (Youanmi)

- POW approved to drill high-strength DHEM sulphide target.
- Regional RAB drilling to define stratigraphy & bedrock geochem.

## Pincher Well Zinc-Copper (Youanmi)

- Program of geophysics, including IP, and structural modelling.
- Various options being considered to accelerate exploration program.

## Bell Chambers Gold-Copper (Sandstone)

- Modelling of EM & historical drilling data with the aim of increasing resources and target new anomalies.

## Youanmi Vanadium

- Various strategies are being considered to advance the Southern Cross JORC resource.
- Evaluation & sampling of high-grade outcrop at Cooliboo to be undertaken.



# Venus Metals Corporation – Resources & Targets

PROJECT	LOCATION	JORC STATUS	COMMODITY	SIZE (Tonnes)	GRADE	CUT OFF GRADE
Pincher Well	Youanmi	Expl. Target*	Zinc	15–25 Million	2-5% Zn	Not Applicable
Bell Chambers	Sandstone	Inferred	Gold	219,000	2.0 gpt Au	1.0 gpt Au
Southern Cross	Youanmi	Inferred	Vanadium	167.7 Million	0.41% V <sub>2</sub> O <sub>5</sub>	0.25% V <sub>2</sub> O <sub>5</sub>
Western Margin	Youanmi	Expl. Target*	Vanadium	550-650 Million	0.35-0.45% V <sub>2</sub> O <sub>5</sub>	Not Applicable
Yalgoo Iron Ore	Yalgoo	Indicated	Iron Ore	311.2 Million	30.7% Fe	20% Fe
Yalgoo Iron Ore	Yalgoo	Inferred	Iron Ore	387.0 Million	28.2% Fe	20% Fe

\* 'Exploration Target' indicates that the potential quantity and grade is conceptual in nature, that there has been insufficient exploration to estimate a Mineral Resource and that it is uncertain if further exploration will result in the estimation of a Mineral Resource. The current drilling density is insufficient to classify the mineralisation as a 'Mineral Resource' under the 2012 JORC guidelines.



# Competent Persons Declaration



**The information in this report that relates to Exploration Targets, Exploration Results, Target Potential and Mineral Resources is based on information compiled by:**

*Mr Timothy Putt, Specialist Consulting Geologist, who is a Member of the Australian Institute of Geoscientists. Mr Putt has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Putt consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

*Mr Widenbar, who is a Member of the Australasian Institute of Mining and Metallurgy, is a full time employee of Widenbar and Associates and produced the Mineral Resource Estimate based on data and geological information supplied by Venus Metals. Mr Widenbar has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Widenbar consents to the inclusion in this report of the matters based on his information in the form and context that the information appears.*

## **Exploration Targets**

*The term 'Exploration Target' should not be misunderstood or misconstrued as an estimate of Mineral Resources and Reserves as defined by the JORC Code (2012), and therefore the terms have not been used in this context.*

*The potential quantity and grade of the 'Exploration Target' is conceptual in nature, that there has been insufficient exploration to estimate a Mineral Resource and that it is uncertain if further exploration will result in the estimation of a Mineral Resource. The current drilling density is insufficient to classify the mineralisation as a 'Mineral Resource' under the 2012 JORC guidelines.*