



# EMU NL Annual General Meeting

Big Targets in the  
Maricunga Gold Belt

Encouraging Results

Getting the job done

9 November 2017



## Investment proposition

EMU is an ASX listed company seeking to deliver tangible outcomes for investors from exploration.

This is achieved through:

Seeking substantive mineralised systems capable of forming commercially attractive ore deposits that can be developed or exploited using existing technologies;

Reducing risk by selecting operating environments with established mining law and mining industries;

Applying best practice exploration technologies;

thus allowing investors to benefit from the considerable depth of experience of the management team, with a track record exploration success leading to new mine developments.

We are active, completing meaningful programs of work.



## Agenda

### **Big targets in the Maricunga Gold Belt, Atacama Region, Chile**

*Why we are here and what we seek to find*

### **Encouraging results**

Initial exploration work

*Has been highly encouraging, high grades in the right rocks*

### **Getting the job done**

Field activities for 2017/18 have commenced

*Experienced geological team testing existing and new tenements*

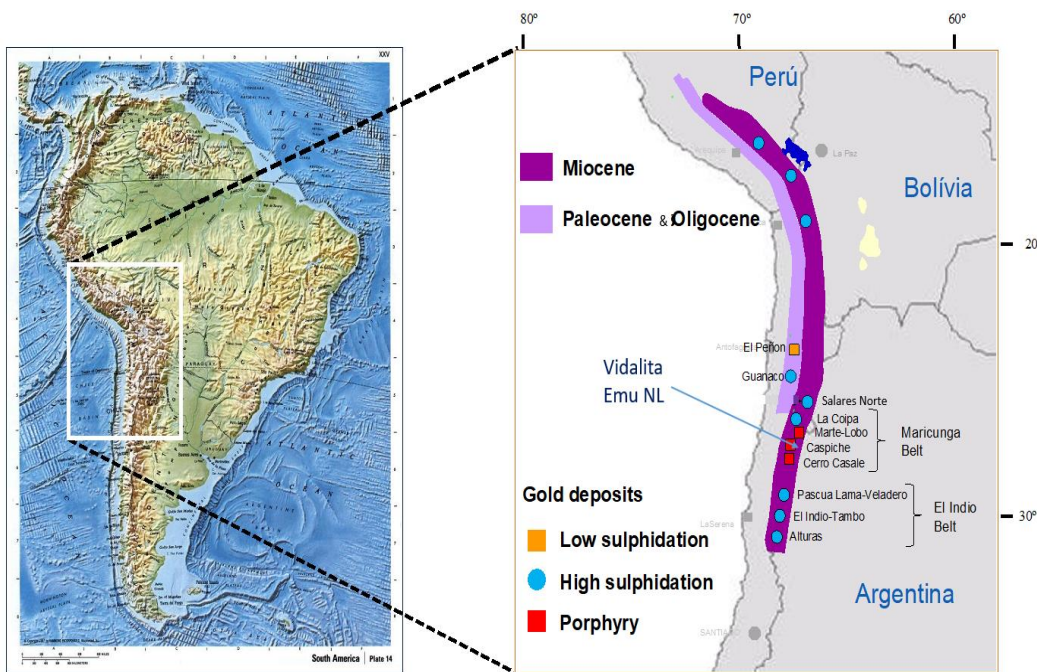
*Drill testing to follow*

# Big targets



Images of Barrick Pascua Lama operation and recent Alturas discovery, courtesy of Barrick, Toronto Geological discussion Group April 2016

# Maricunga Belt, Chile



**Selected the Maricunga Belt of Chile**

**Established mining region**

**Considerable precious metal endowment**

*with*

**Meaningful exploration potential**

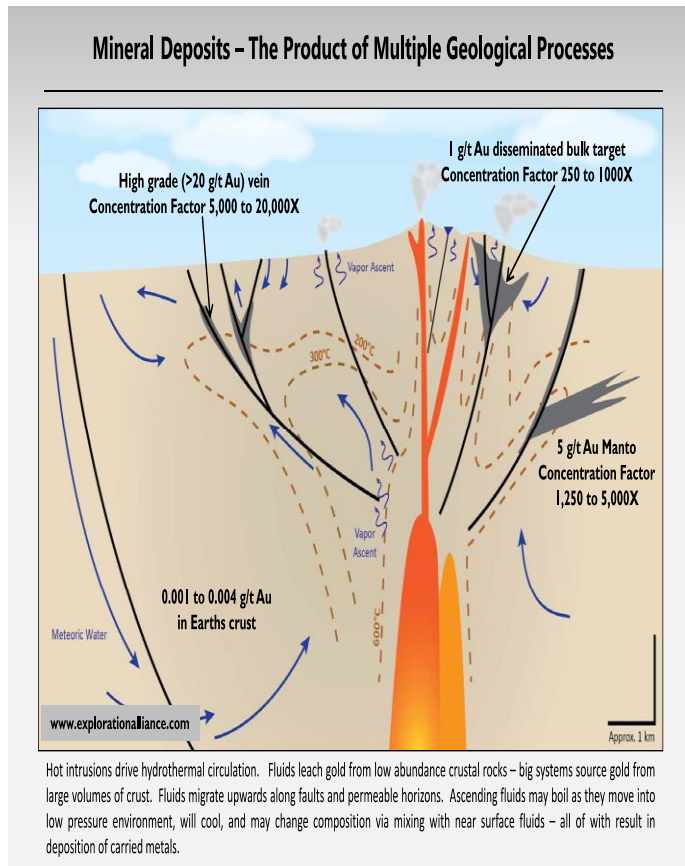
*As evidenced by*

**Recent substantial discoveries**

- **Salares Norte (3.3Moz gold, 42.1Moz silver) discovery 2011**
- **Alturas ( 5.5Moz gold ) discovery 2015**

Modified from Goldfields presentation, AME Roundup, Vancouver 2017

## We are looking for large gold -silver deposits



Exploration in the Maricunga and El Indio Belts have identified large precious metal (gold-silver) deposits in high sulphidation epithermal systems

- They have distinct alteration patterns, frequently with an un-mineralised “cap”
- There is often limited outcrop, though evidence can be found from detailed mapping of available exposures
- They can be silver-rich
- Geochemical surveys have been used with some success, setting drill targets

Source- Exploration Alliance presentation



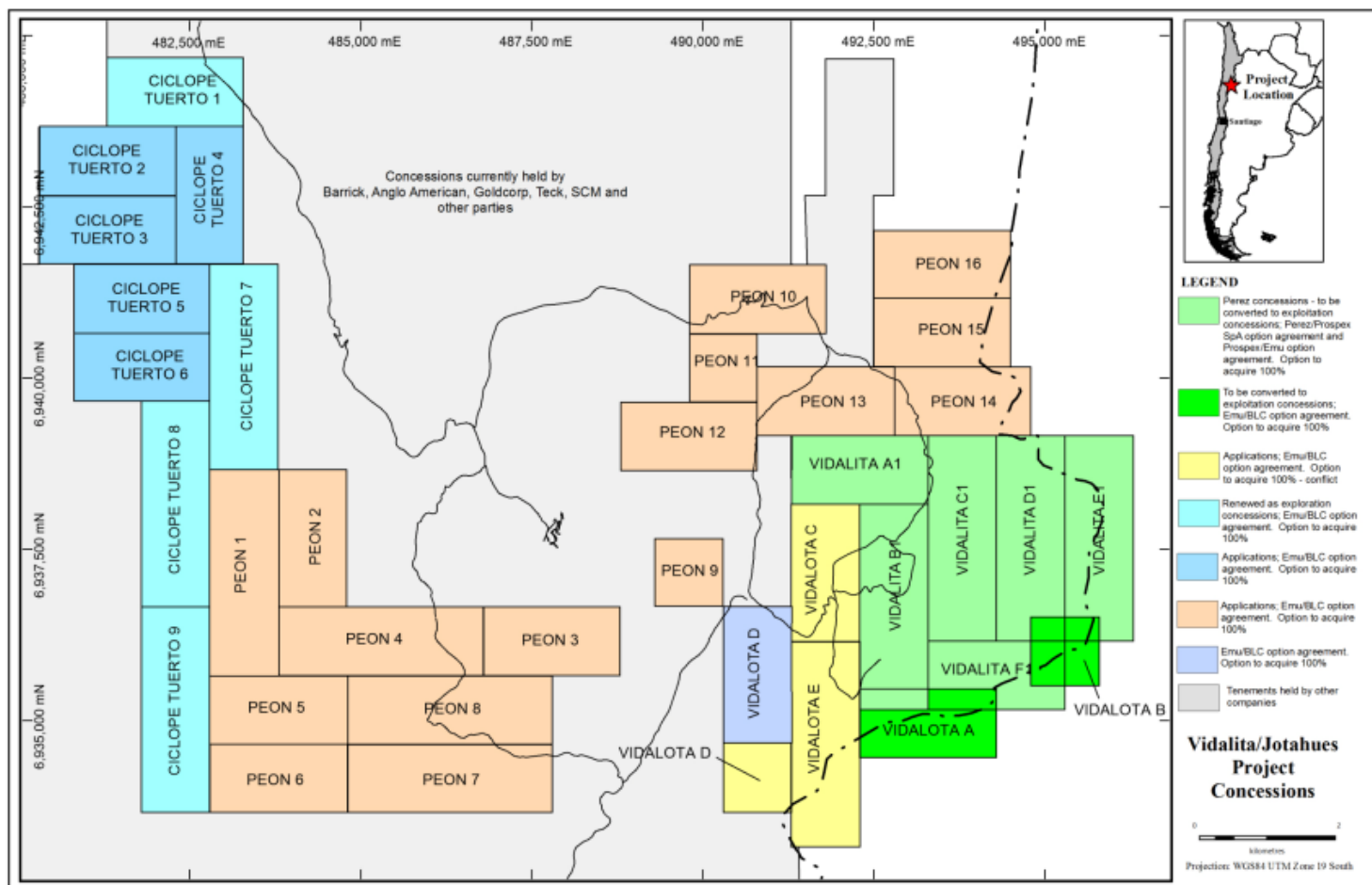
## Project details

- The Vidalita- Jotahues prospect area occurs ~120km east of the city of Copiapo in the Atacama Region of Northern Chile
- Soil sampling by Emu NL defined a target area of dimensions > 4 X 2km, which remains open owing to the extent of the current sampling data
- In the last field campaign we drilled three diamond drill holes which confirmed the geological environment, showing the surface geochemistry to have a local source
- We have added to our tenement holdings, seeking prospective ground
- We have built a team of experienced geoscientists

# Project details

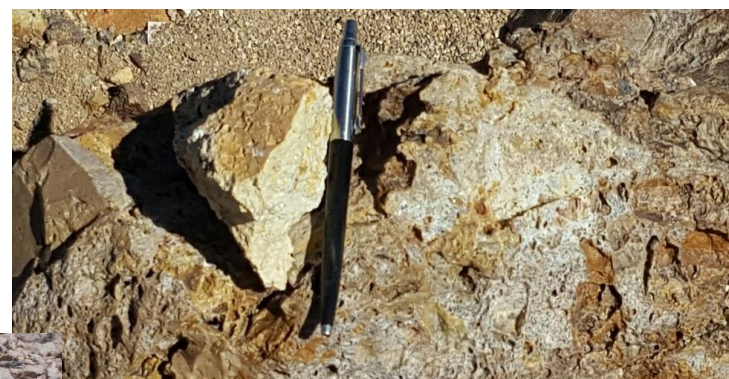
We have substantially expanded our tenement position

The area is dominated by major mining companies





## Encouraging Results

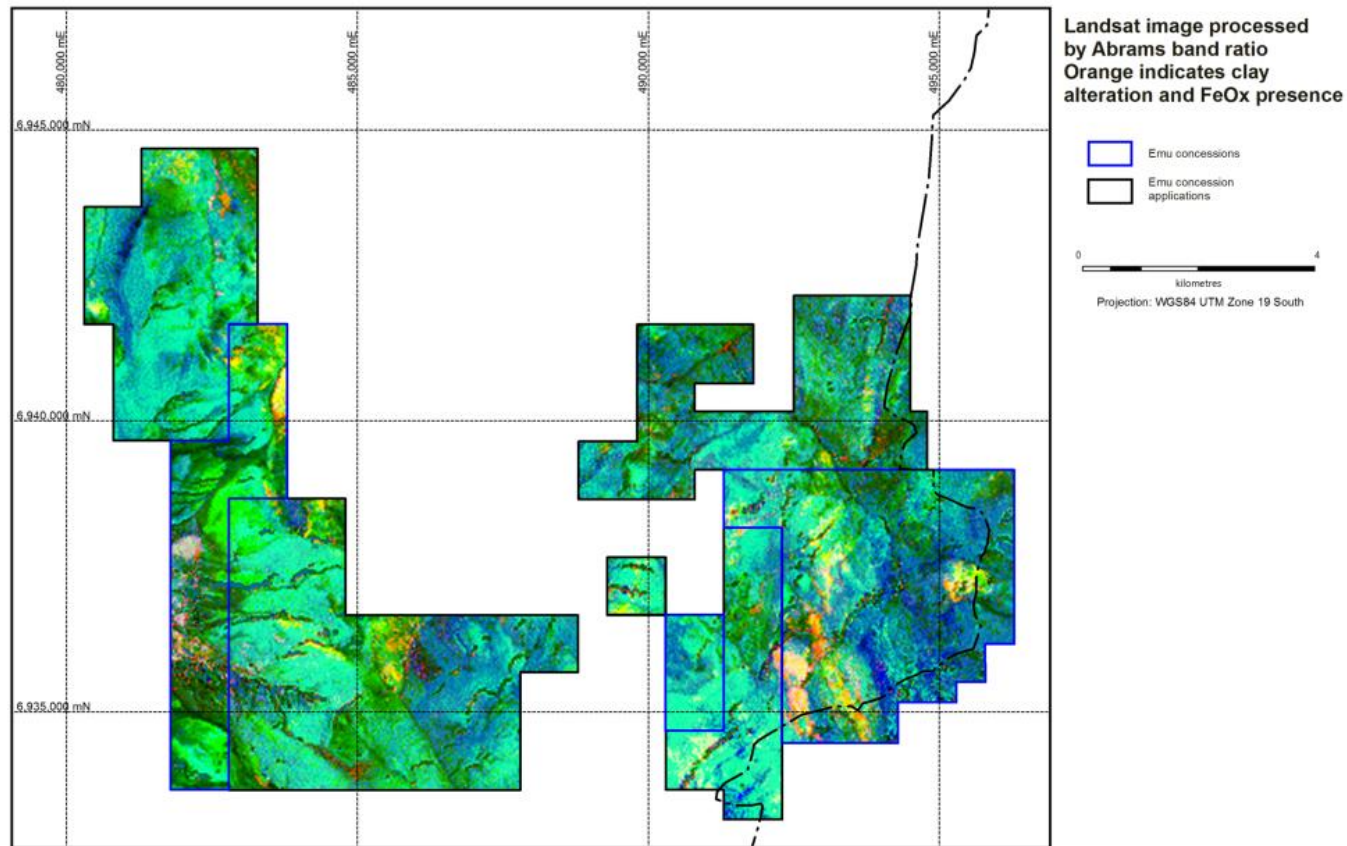


# Encouraging Results

## Alteration mapping

Landsat imagery is used to identify alteration systems.

This information helps target new concessions and set programs for field investigation.

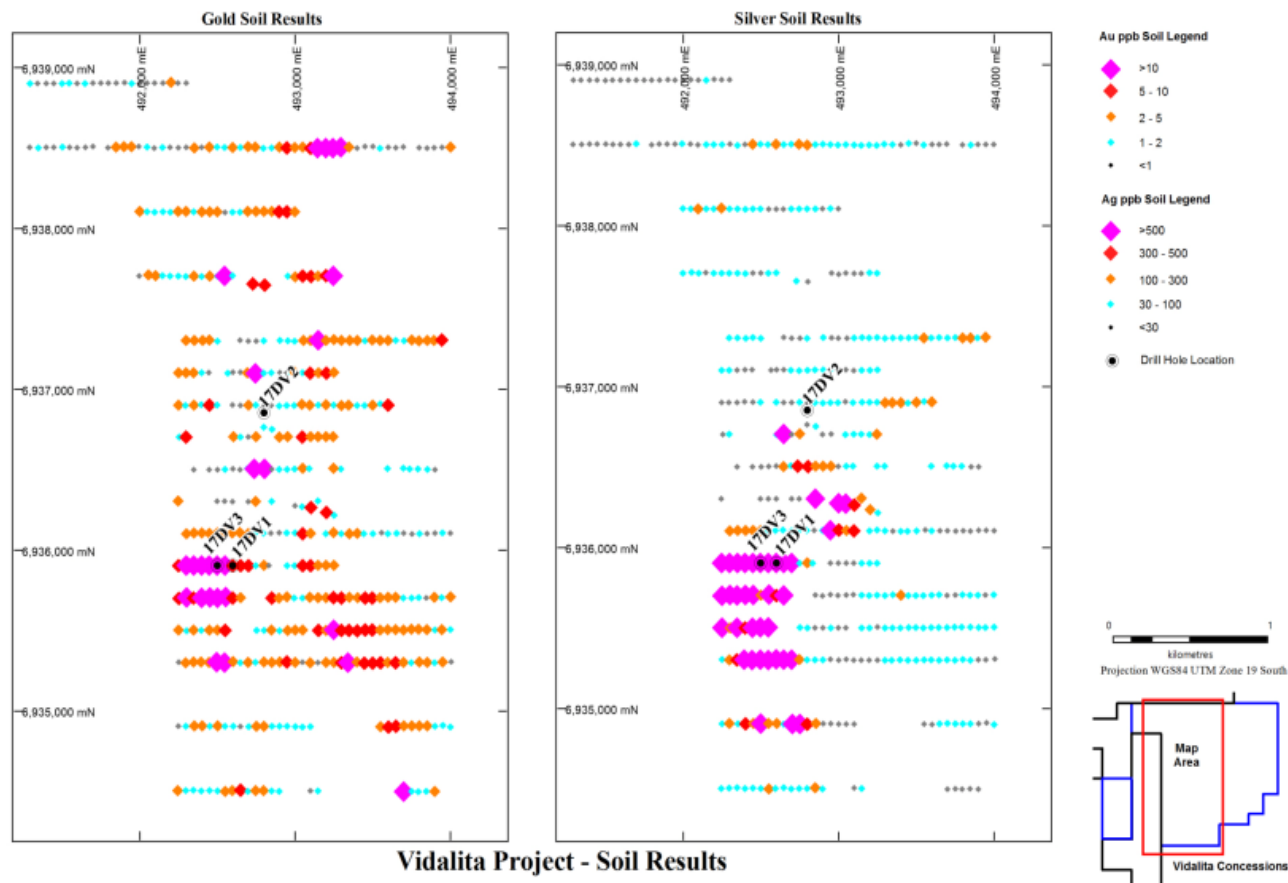


# Encouraging Results

## Surface geochemistry

Results of the soil sampling program from the last field season defined an extensive surface geochemical anomaly measuring > 4km x 2km

The anomaly was defined by gold and silver- as well as trace elements that are typically associated with these types of deposits

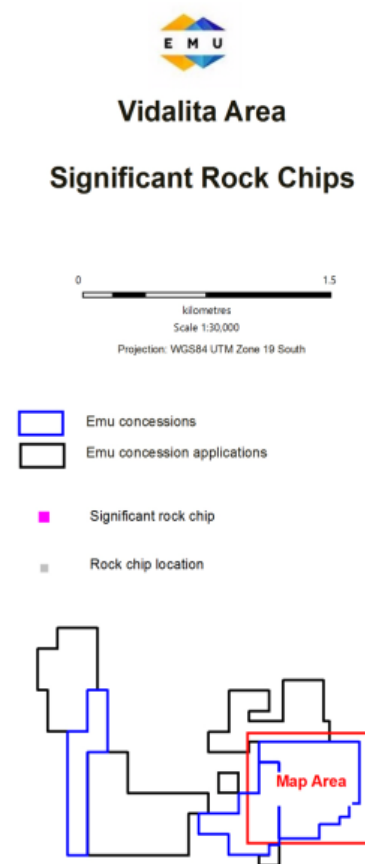
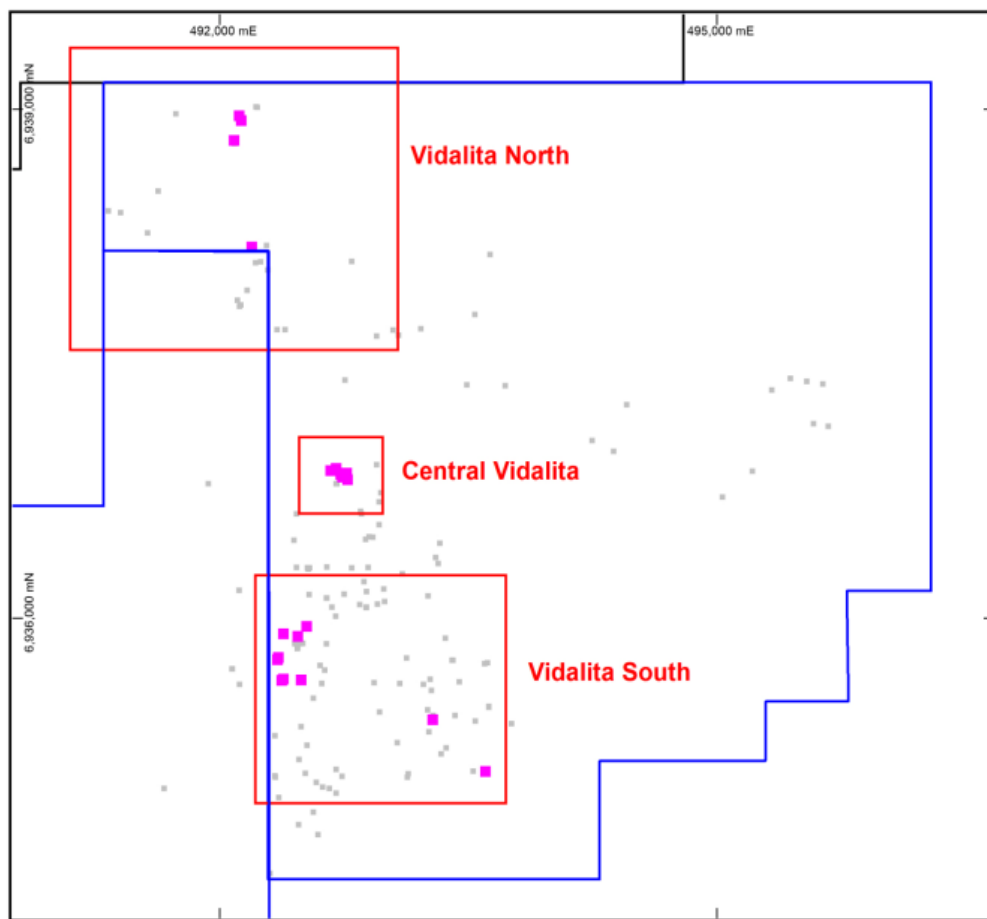


# Encouraging Results

Rock chips

We have identified and sampled gold and silver-bearing rocks across the Vidalita and Jotahues tenements

Equivalence  
 at London close 9/11/17  
 USD pricing  
 75g/t silver  $\approx$  1g/t gold  
 150g/t silver  $\approx$  2 g/t gold



## Encouraging Results

Rock chips – Vidalita north area

Individual samples of rocks in this area show better grades of

0.20 g/t Au + 21.2 g/t Ag

4.28 g/t Au + 66.3 g/t Ag

8.98 g/t Au + 159 g/t Ag

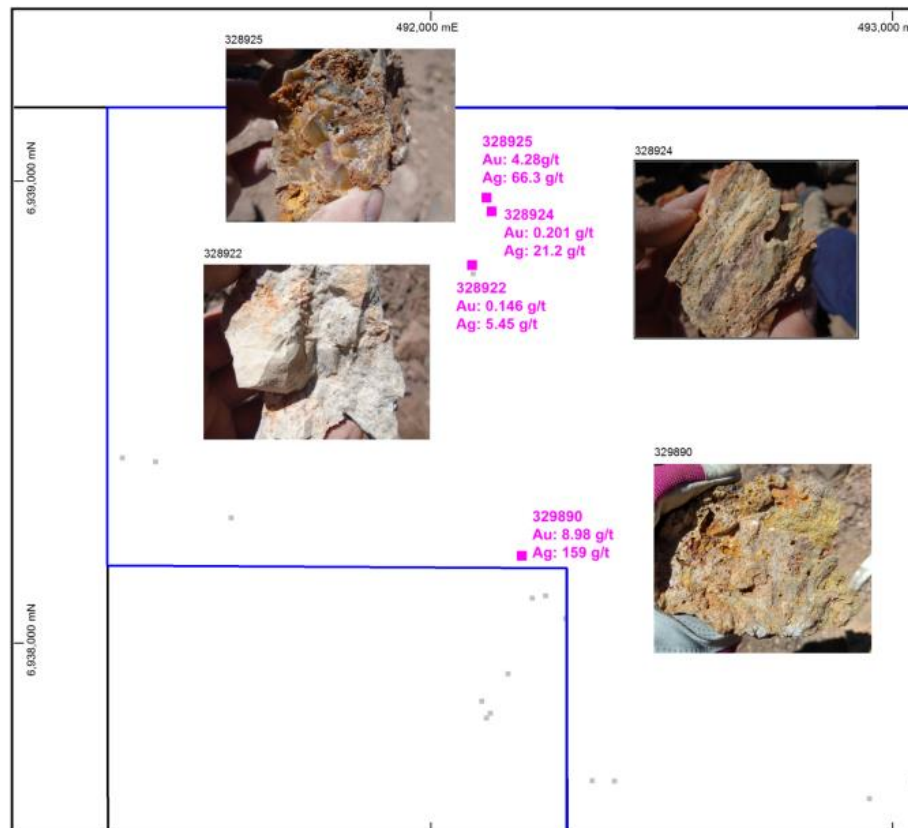
From silicified, iron-rich, oxidized rocks. Silver occurs in significant amounts

Equivalence

At spot USD pricing

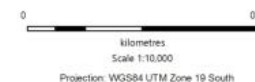
75g/t silver  $\approx$  1g/t gold







150g/t silver  $\approx$  2 g/t gold

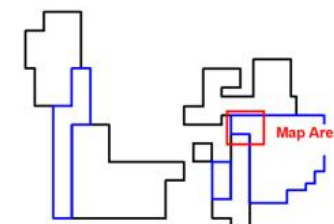


Vidalita North Area

Significant Rock Chips



-  Emu concessions
-  Emu concession applications
-  Sample
-  Au g/t
-  Ag g/t
-  Rock chip location



## Encouraging Results

Rock chips – Vidalita central area

Individual samples of rocks in this area show better grades of

1.57 g/t Au + 35.7 g/t Ag

5.54 g/t Au + 89.7 g/t Ag

14.5 g/t Au + 177 g/t Ag

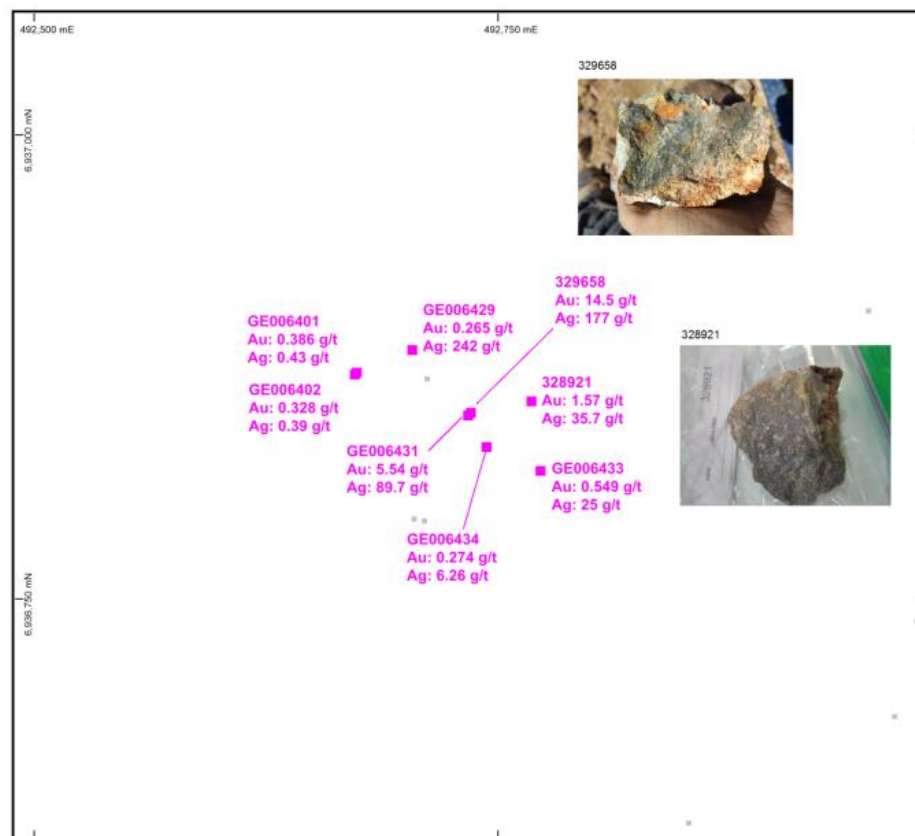
From silicified, iron-rich, oxidized rocks. Silver occurs in significant amounts

Equivalence

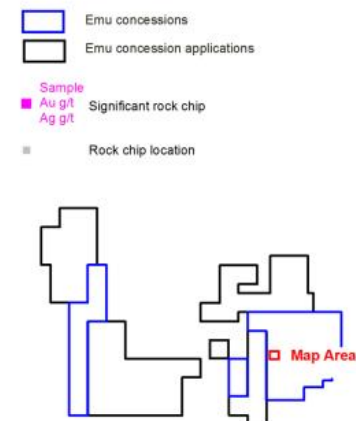
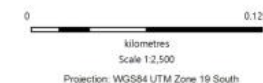
At spot USD pricing

75g/t silver  $\approx$  1g/t gold

150g/t silver  $\approx$  2 g/t gold



### Vidalita Central Area Significant Rock Chips



## Encouraging Results

Rock chips – Vidalita south area

Individual rocks in this area show better grades of

3.08 g/t Au + 50.2 g/t Ag

5.24 g/t Au + 14.4 g/t Ag

5.71 g/t Au + 17.8 g/t Ag

32.9 g/t Au + 25.3 g/t Ag

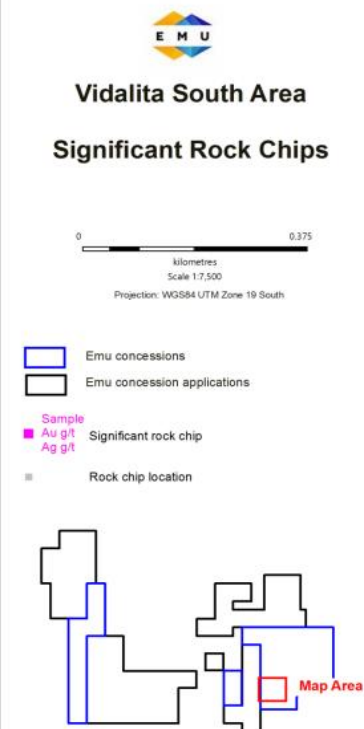
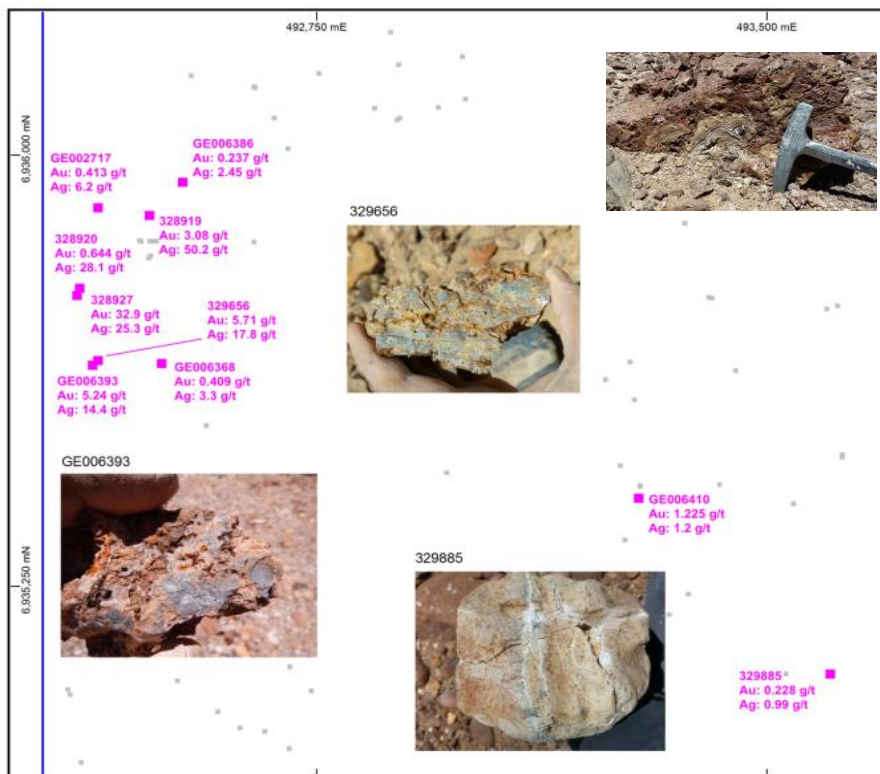
From silicified, iron-rich, oxidized rocks with traces of pyrite.

Equivalence

At spot USD pricing

75g/t silver  $\approx$  1g/t gold

150g/t silver  $\approx$  2 g/t gold

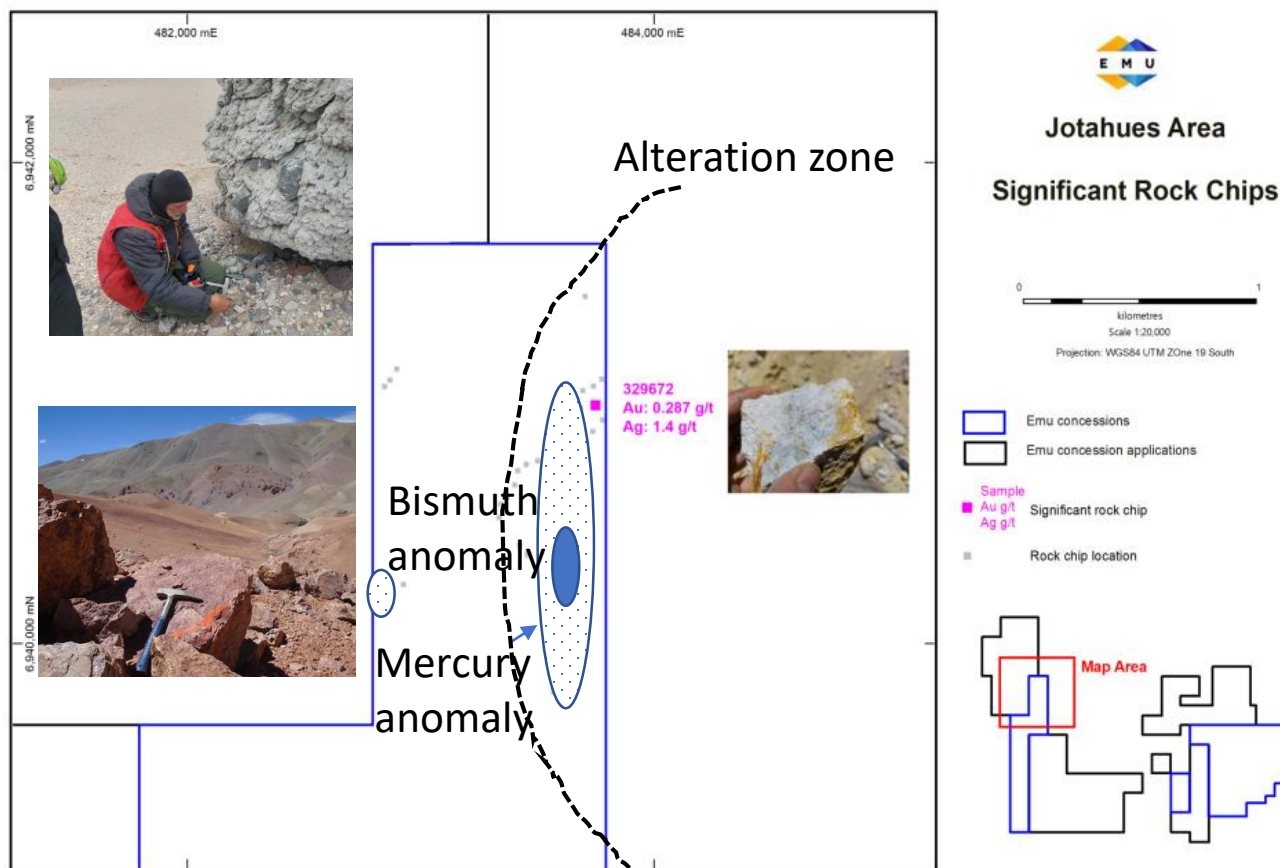


## Encouraging Results

### Rock chips – Jotahues

We are currently following up earlier mapping of silicified, iron-rich, oxidized rocks

The area sits on the margin of a large alteration zone with distinct mercury and bismuth anomalies. Both elements are indicators of the style of mineralization sought.

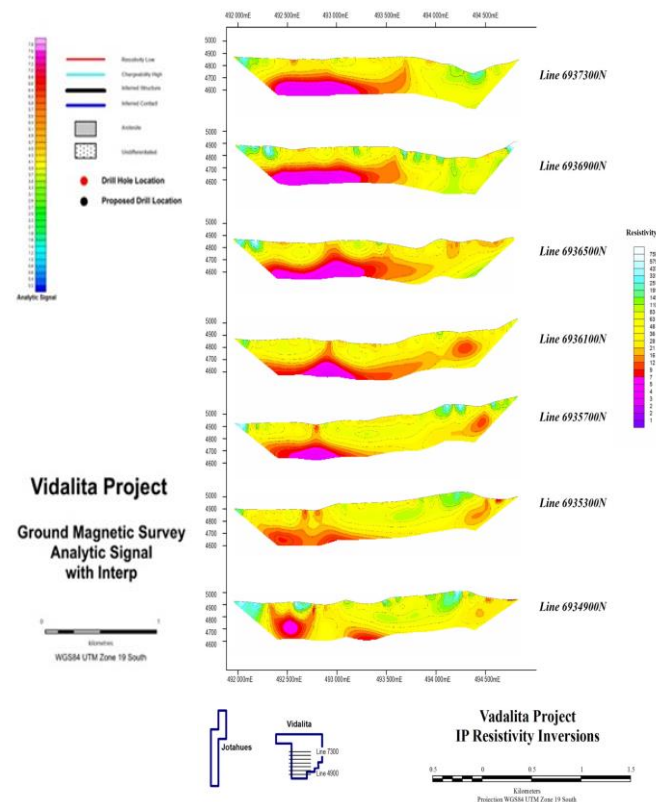
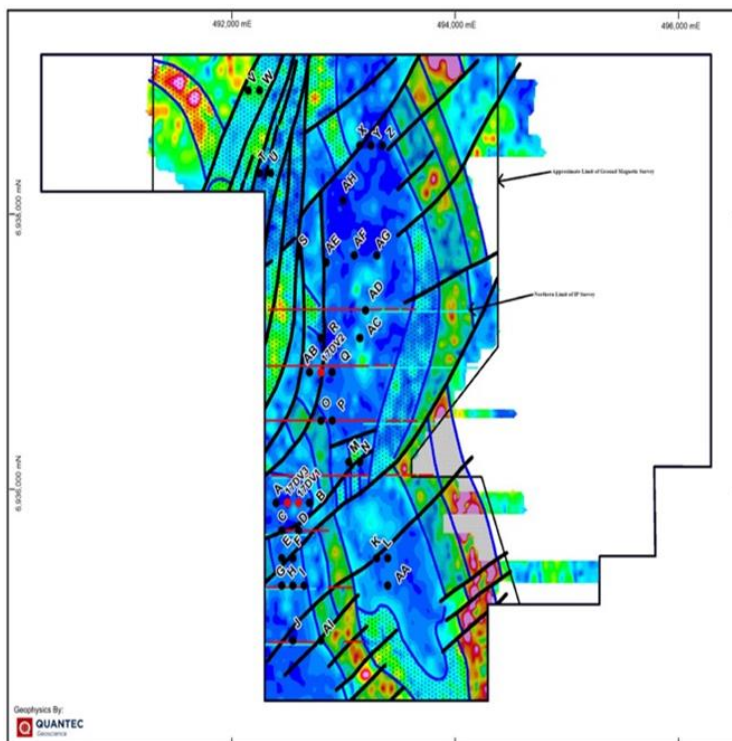




# Encouraging Results

A promising structural setting

...and a distinct and extensive geophysical anomaly





## What comes next?

Results from the sampling at Jotahues

Completion of the first pass soil sampling program over the Vidalita project

Commence the drill testing of the anomalies and targets

Additional sampling at Jotahues and follow up drilling if justified

Prospecting of regional properties under application once they are granted

## Getting the job done





## Getting the job done

We have assembled an experienced team of geoscientists

Our field team was deployed 31 October to follow up the anomalous talus samples and the pyritiferous gold and silver bearing rocks in the north of the Jotahues tenement area

A high priority is to complete the extensive geochemical survey coverage over the Vidalita tenements to define the extent of the anomaly, map and sample available exposures

Planning and site preparation is well underway for the forthcoming drilling program



## Key message

Substantive exploration program of geochemical sampling, mapping and drilling to test a large target in a highly prospective region

The results to date are consistent with the style of mineralisation sought

We have planned a 6-10,000 metre air core drill program and up to 2,000 metres of core drilling. By using a different drilling method, we aim to benefit from a more productive program.

We get things done



## ASX:EMU

**Ordinary fully paid shares** 65.91M  
**Contributing shares** 36.58M\*  
\*paid to 3c, 3c to pay; no call before 31/12/18

**Market Cap November 2017** \$14M  
**Cash 31/9/17** ~ \$2.3m

Relatively small issued share capital

Tightly held stock with Top 20 holding  
~59% of ordinary shares



# Legal Disclaimer

## Forward-Looking Statements

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## Competent Person's Statement – Exploration Results

The information in this report that relates to Exploration Results is based on information compiled by Mr. Greg Steemson who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr. Steemson is the managing director of EMU NL and has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Steemson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Thank you

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