



***EXPLORING FOR  
COPPER, GOLD AND SILVER  
IN CHILE AND ARGENTINA***

***By  
BRAD FARRELL AND WOLF MARTINICK***

**April 2014**

# COMPETENCY STATEMENT

The information in this report that relates to Exploration Results for the Timon Project is based on information compiled by Dr Brad Farrell, BSc Hons Eco Geol, MSc, PhD who is a Fellow of the Australasian Institute of Mining and Metallurgy, a Chartered Professional Geologist of that body, a Member of the Mineral Industry Consultants Association and the Consultants Society of the Australian Institute of Mining and Metallurgy. Dr Farrell 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 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Dr Farrell consents to the inclusion in the report of the foregoing matters based on his information in the form and context in which it appears. He is the Technical Director and a substantial shareholder of Oro Verde Limited.

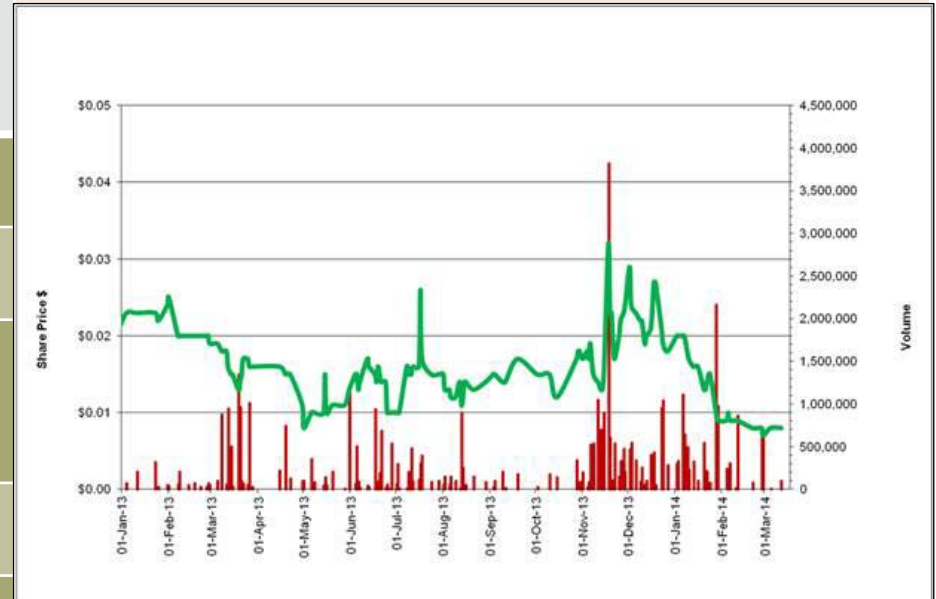
The information in this report that relates to Exploration Results for the Alma, Amazonas, Cerro Blanco, San Francisco and Amiches projects, was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported, and is based on information compiled Dr Brad Farrell, BSc Hons Eco Geol, MSc, PhD who is a Fellow of the Australasian Institute of Mining and Metallurgy, a Chartered Professional Geologist of that body, a Member of the Mineral Industry Consultants Association and the Consultants Society of the Australian Institute of Mining and Metallurgy. Dr Farrell 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”. Dr Farrell consents to the inclusion in the report of the foregoing matters based on his information in the form and context in which it appears. He is the Technical Director and a substantial shareholder of Oro Verde Limited.



# COMPANY SNAPSHOT

## Oro Verde Capital Structure (March 2014)

ASX Code:	OVL
Issued Shares:	194 m
Options:	24.3m at \$0.27 (Dec '14) 2.5m at \$0.20 (Jan '16) 5.3m at \$0.04 (Mar '16)
Market Cap:	\$1.94m (at 1.0c)
Cash:	\$0.8m (31 Dec, 2013)



## Experienced Board & Management

**Dr Wolf Martinick** - Executive Chairman

**Dr Brad Farrell** - Technical Director

**Mr David Ward** - Non Executive

**Mr Ross O'Dea** - Non-Executive

## Major Shareholders

**Wolf Martinick** 11.8%

**Brad Farrell** 10.7%

**Bernes Nominees PL** 10.1%

**Top 20** 53.7%



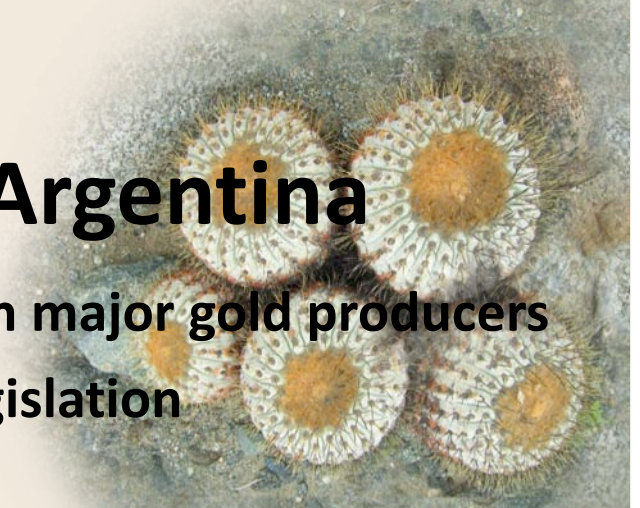
# ***Why Chile and San Juan in Argentina ?***

## **Chile**

- **Strong mining culture and expertise**
- **Excellent infrastructure and mining services**
- **Well established exploration and mining legislation**
- **Political and financial stability**
- **Exceptional mineral prospectivity; world's largest Cu and significant Au producer**

## **San Juan Province, Argentina**

- **Mining-friendly and highly-prospective with major gold producers**
- **Established mining culture, services and legislation**
- **Easy road access from OVL's office in Chile**



# ORO VERDE LIMITED'S PROJECTS

## CHILE: Cu + Au projects

**Timon** Large (2 x 4km) porphyry copper target on trend of other large deposits such as El Salvador and Escondida

**Alma** Large (2 x 3km) Cu + Au IOCG target within Atacama Fault Zone system

**Amazonas** Finalising acquisition of large porphyry Cu target expressed by buried magnetic anomaly.

### Other

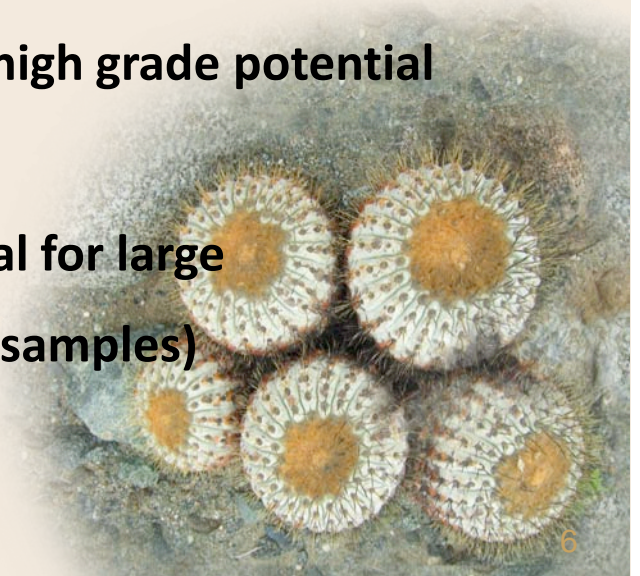
- Negotiating with a major mining company on further acquisitions
- San Juan Province, Argentina



# ***ORO VERDE Limited's PROJECTS***

## **San Juan Province, Argentina: Cu + Au + Ag projects** (acquisition subject to DD and two payments of \$100,000)

- ***Cerro Blanco:*** “Copper Hill” huge, partly drilled porphyry Cu target; drilling recorded up to 1.12% Cu (1.78% Cu Equivalent)
- ***San Francisco:***
  - Substantial epithermal Au reef structure with high grade potential
  - Numerous other targets
- ***Amiches:*** Hydrothermal breccias with potential for large Au deposit (18.9 g/t Au + 389g/t Ag in bulk rock samples)



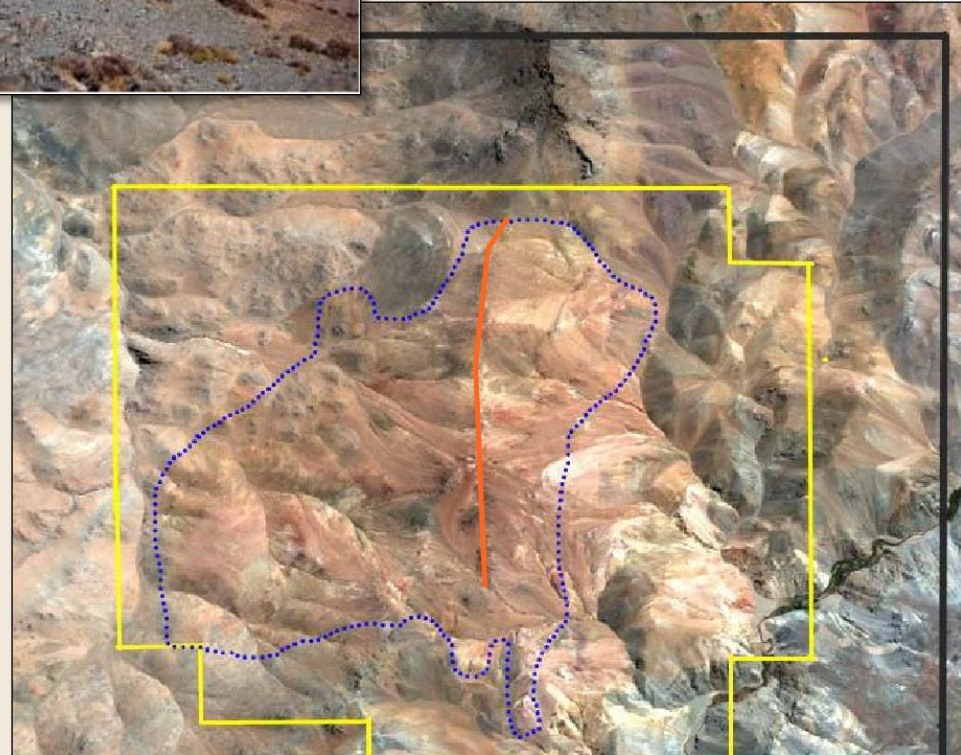


# ***TIMON PROJECT***



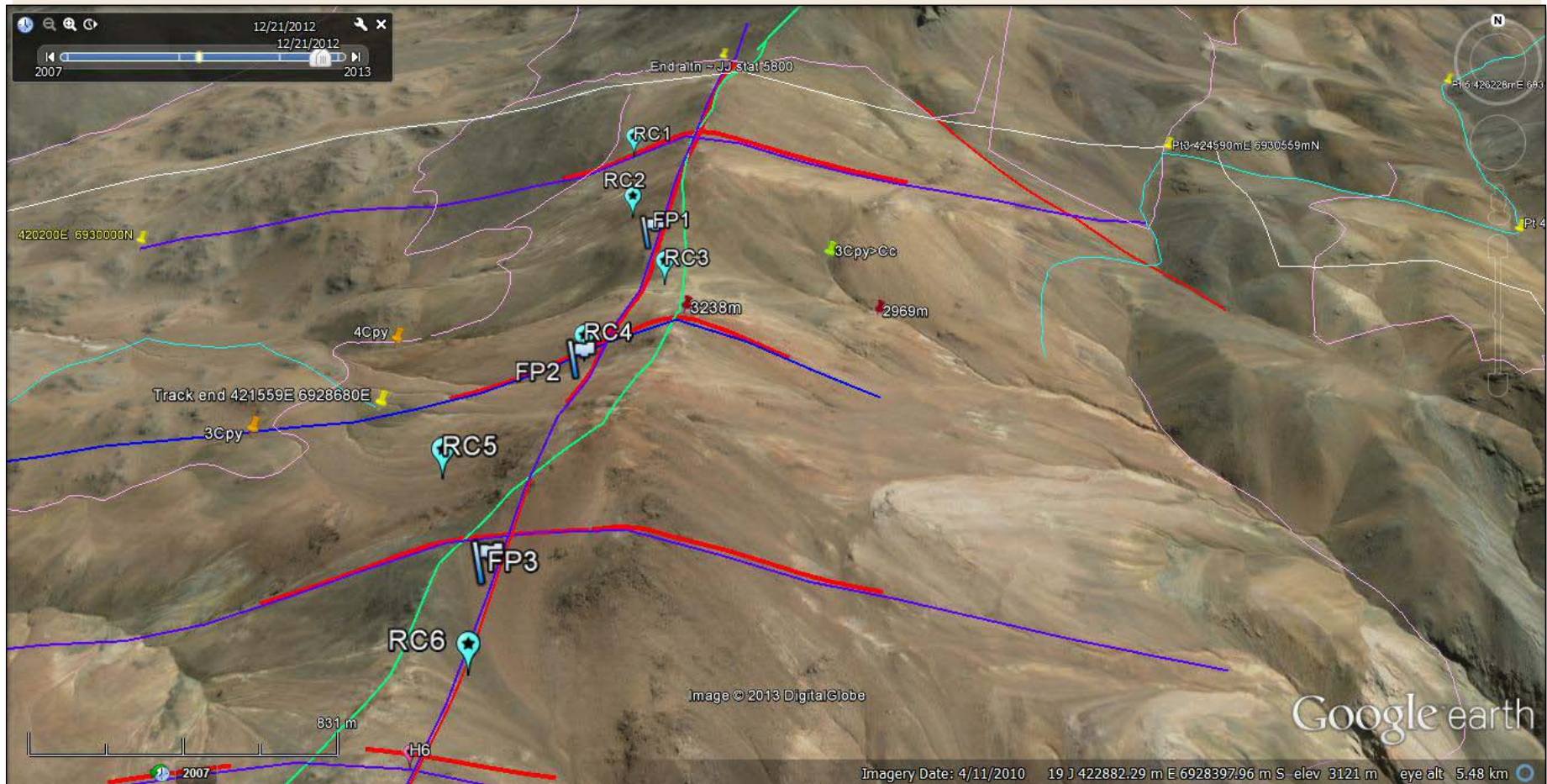
**View of Timon ridge  
following north-south  
outline of ridge in  
plan below**

- **Studies suggest presence of large Cu “porphyry” system**
- **Completed 1st phase drilling of 5 holes; results subject to peer review by a major.**
- **Remains a compelling target**
- **Near to established infrastructure**



# TIMON PROJECT

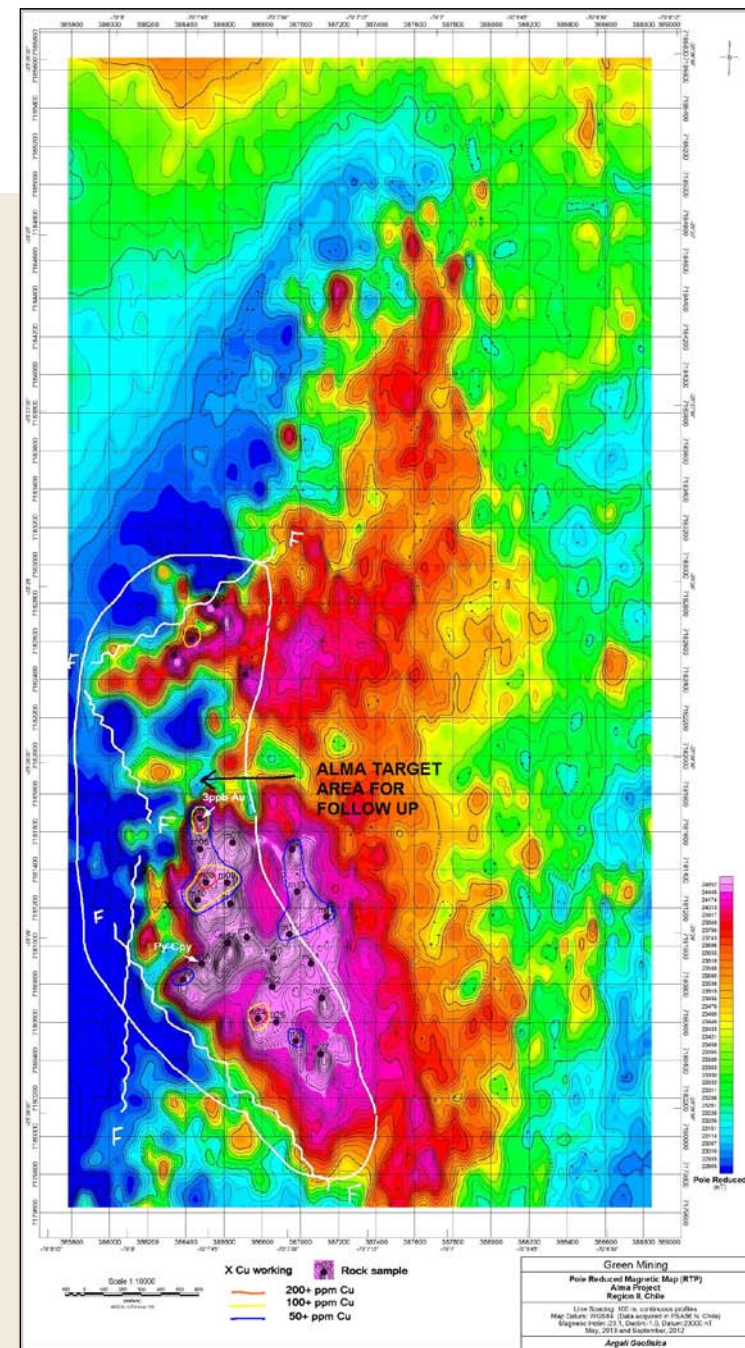
View looking north showing IP lines and drill sites





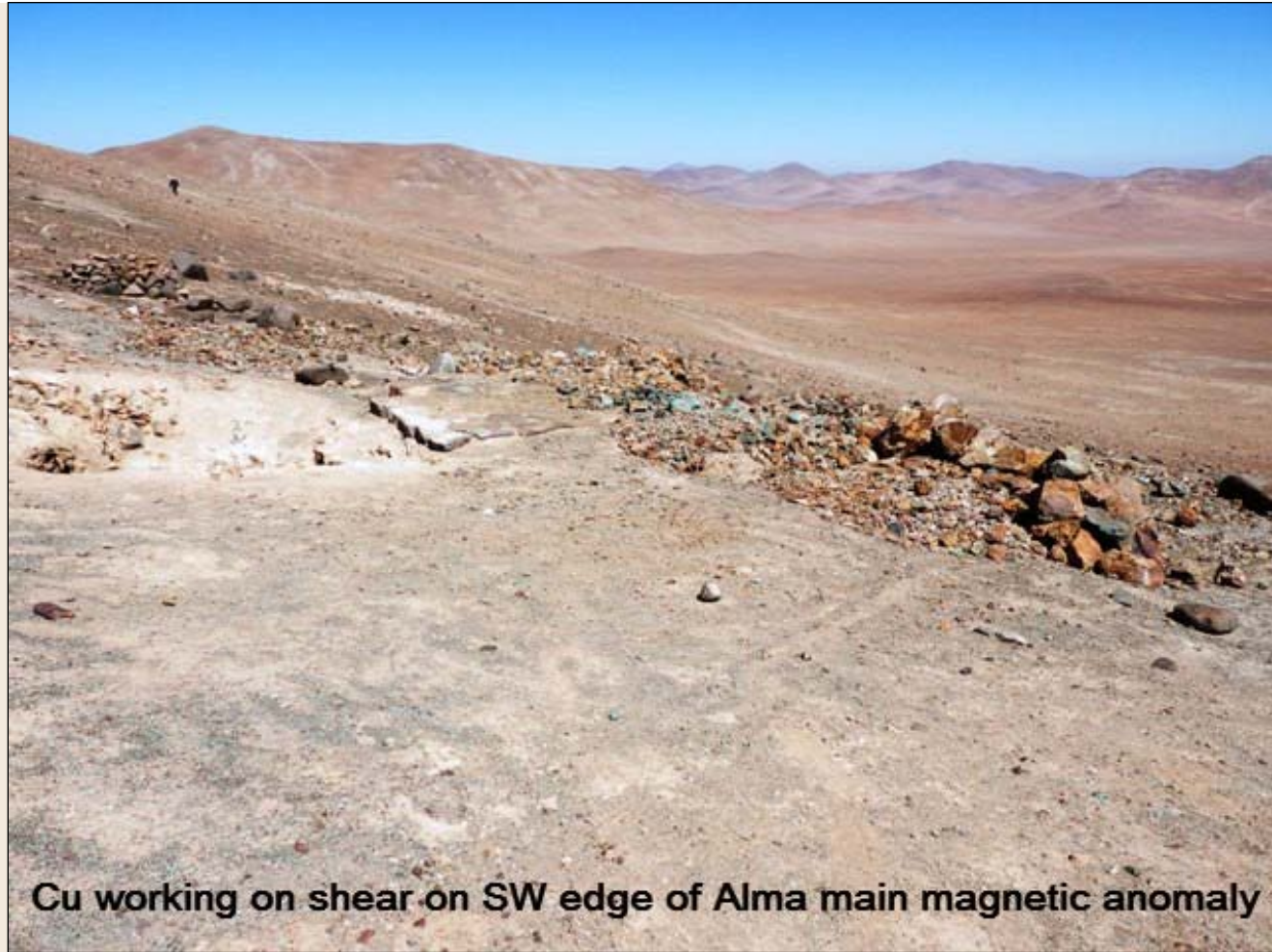
# ALMA Cu + Au IOCG target

- Magnetic anomaly outlines 2 X 3km Cu + Au IOCG target within Atacama Fault Zone system
- Surface sampling identifies numerous areas of interest
- Geophysics (IP) proposed for Q2, 2014
- Followed by First Phase drilling



# ***ALMA Cu + Au IOCG target***

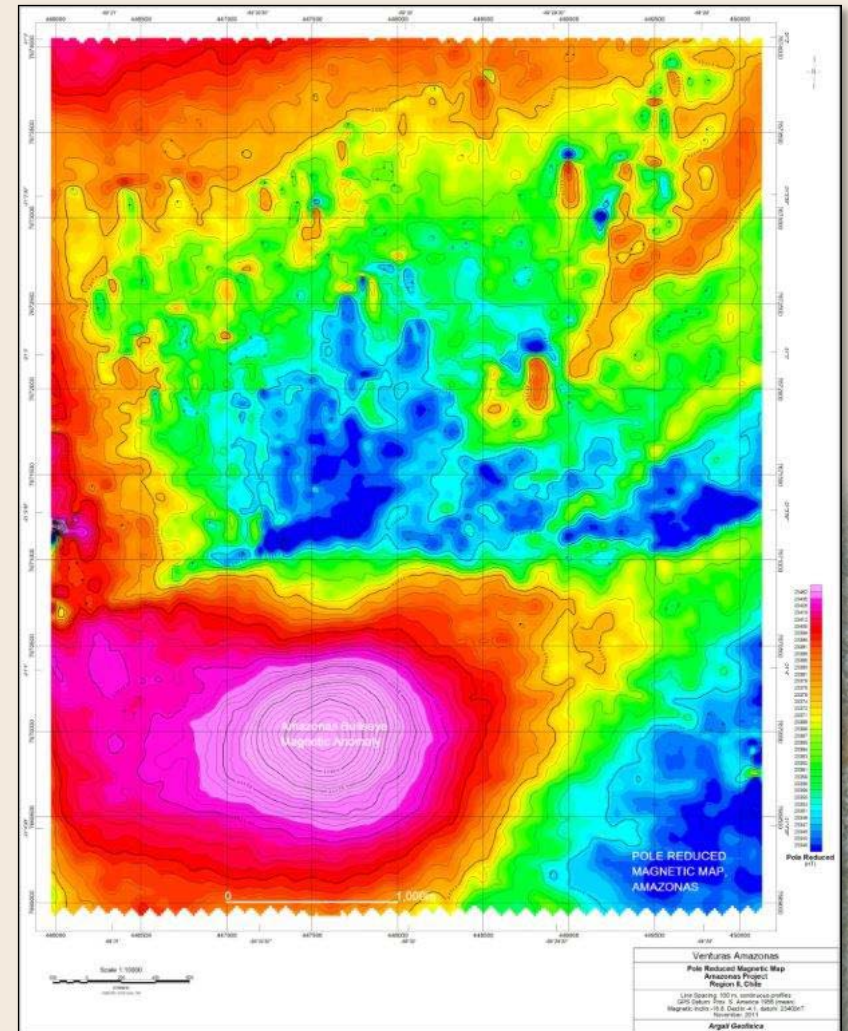
- Regional gravel road and bitumen h'way to port of Taltal
- Easy access within tenement
- Historic Cu workings





# AMAZONAS, a “forgotten” porphyry Cu target

- Lower Cretaceous Porphyry Cu target in 1 x 1.2km undrilled Bulls-eye Magnetic Anomaly under 80 - 100m alluvial cover.
- Similar to other nearby, on trend porphyry Cu deposits in Coastal belt being developed by:
  - Antofagasta Minerals' Antacoya deposit 642mt @ 0.35% Cu
  - Pucobre-Codelco JV Tovaku deposit 500mt @ 0.30% Cu



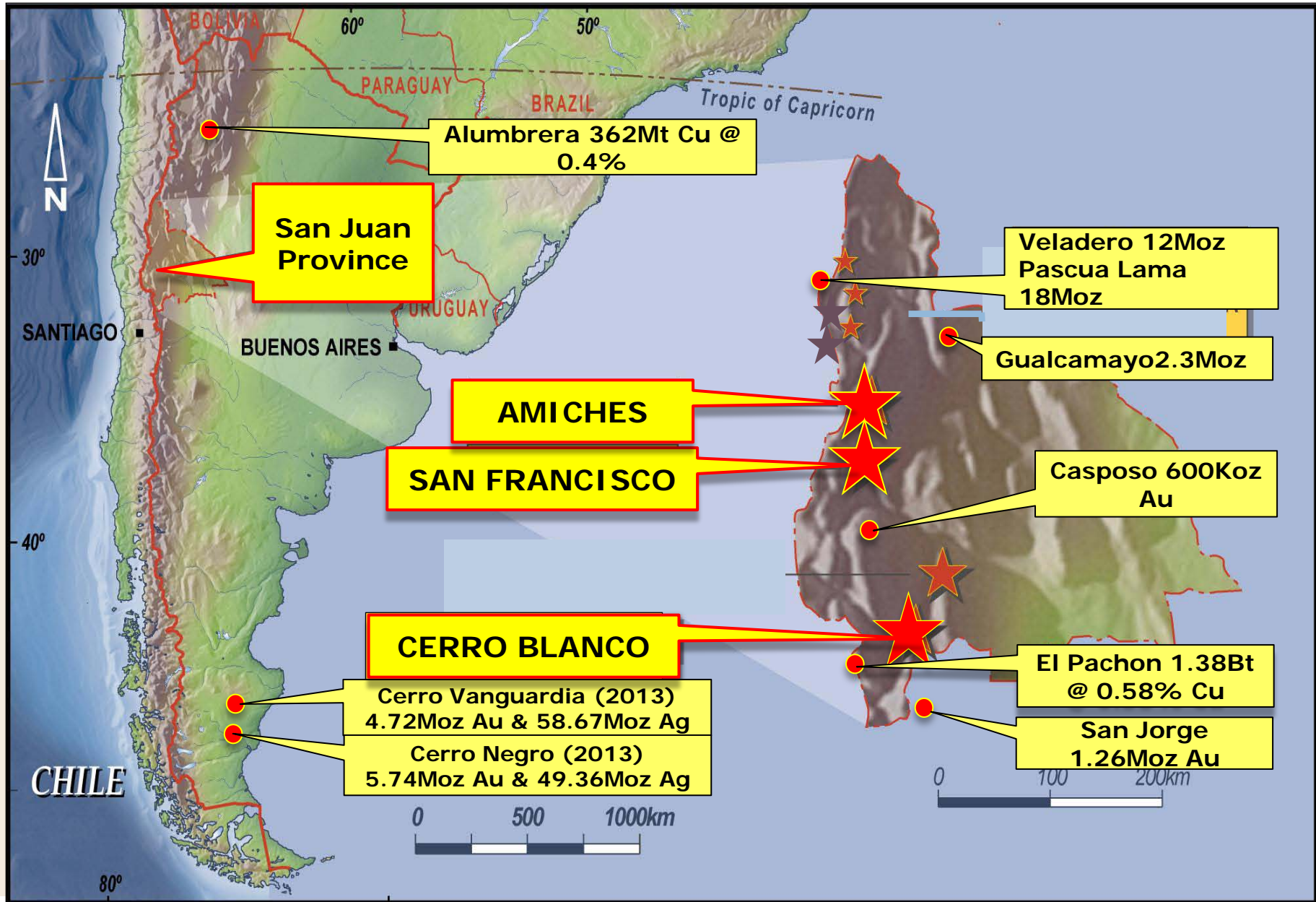


# ***AMAZONAS, a “forgotten” porphyry Cu target***

- Great location with bitumen highway to port city of Iquique
- Near to infrastructure, including power lines
- “Forgotten” anomaly identified during regional aero-magnetic survey
- “Easy” terrain



# San Juan projects and other major projects





# Cerro Blanco Cu-Au-Mo Project





# Cerro Blanco's "Copper Hill"

## A classical Cu-Au-Mo porphyry model in section

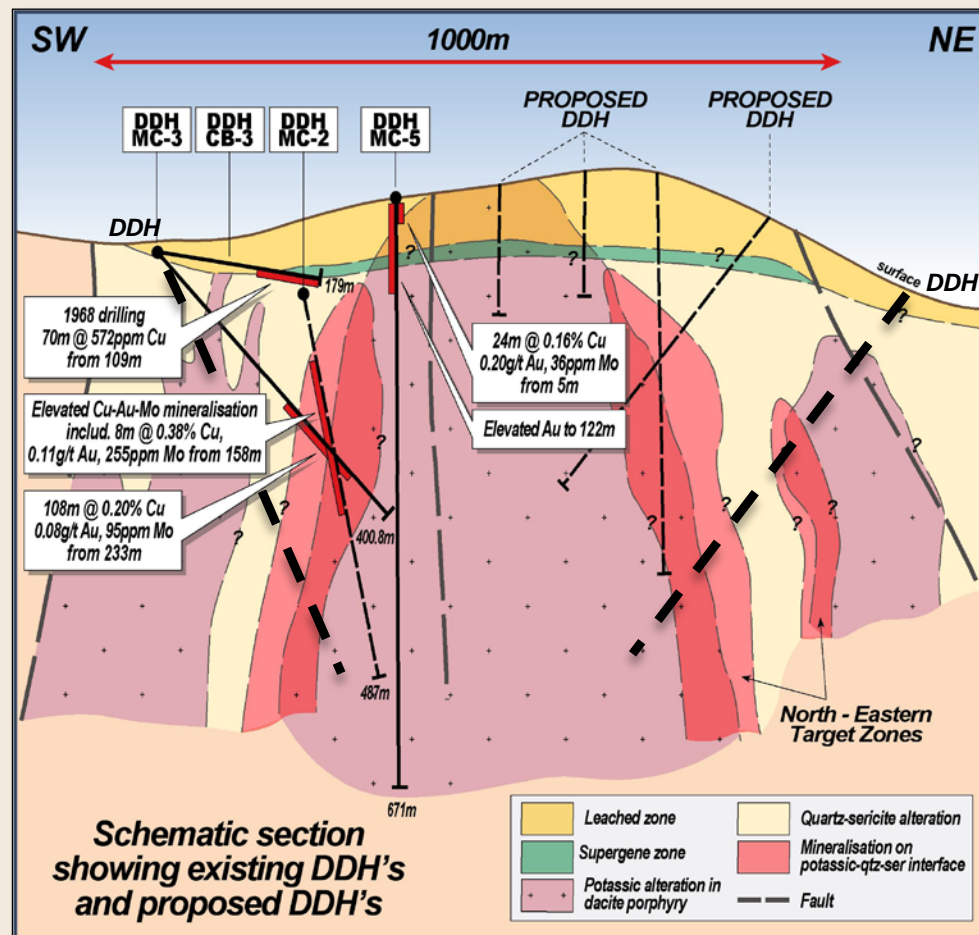
### INDEPENDENT EXPERT CONFIRMS SIGNIFICANCE OF COPPER HILL Cu-Au- Mo PORPHYRY DISCOVERY

*"The Copper Hill porphyry Cu-Au-Mo deposit shares the characteristics of other well-known, large-scale Andean porphyry copper-style deposits..."*

*"The Copper Hill mineralised porphyry system has a diameter of 1.2km in surface outcrop, and has potential for mineralization to depths exceeding 1,000m..."*

*"From ... studies undertaken, only a minor portion of the main mineralized body is known, principally on the western edge of Copper Hill..."*

*"...potentially higher-grade central and eastern zones remain to be tested."*



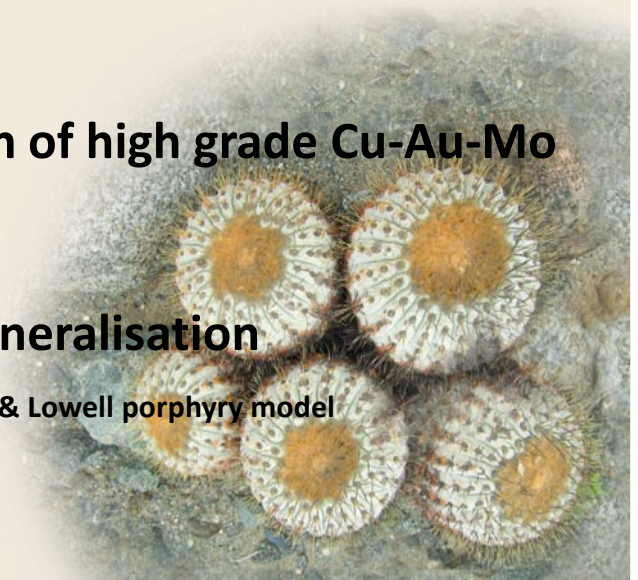
Based on "Guilbert and Lowell" porphyry model

\*Quotes from Independent Expert's Copper Hill NI 43-101 Technical Report

# Cerro Blanco's “Copper Hill” Summary

- Drilling intersects a classic Andean porphyry Cu-Au-Mo deposit \*
- Au content higher than normally seen in similar Chilean Cu deposits
- Potential for higher Cu grades and large tonnages, to 1000m depth
- A multi-phase Tertiary dacitic porphyry intrusive into older regional volcanics.
- Alteration and mineralisation styles assist location of high grade Cu-Au-Mo zones.
- Regional NW to NNW major structures control mineralisation

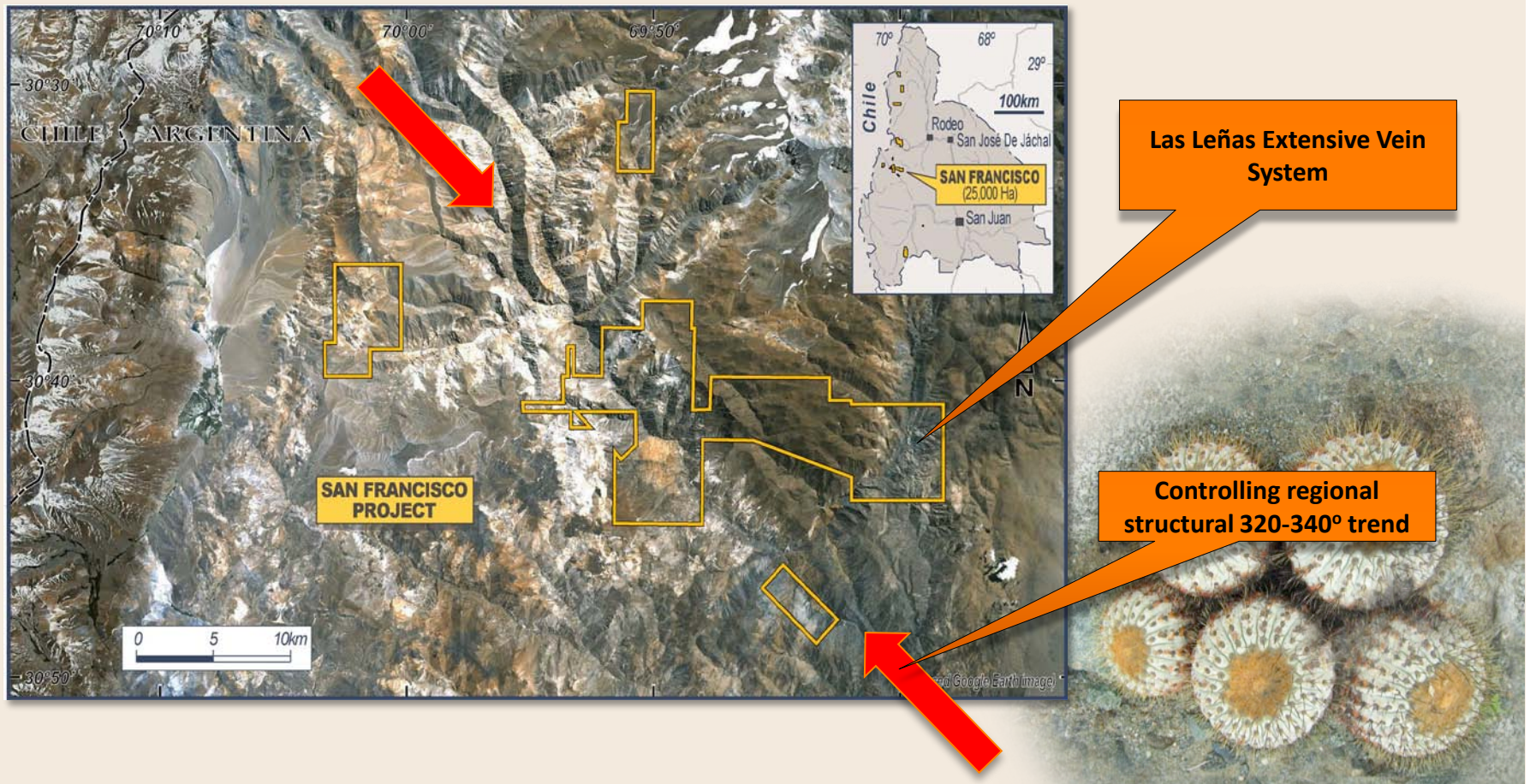
\* From Alvarez' Independent NI\_43-101-style report to AVK - refers to classic Guilbert & Lowell porphyry model





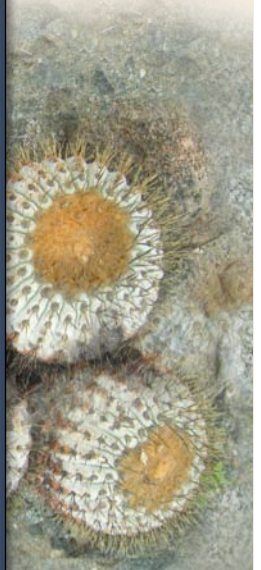
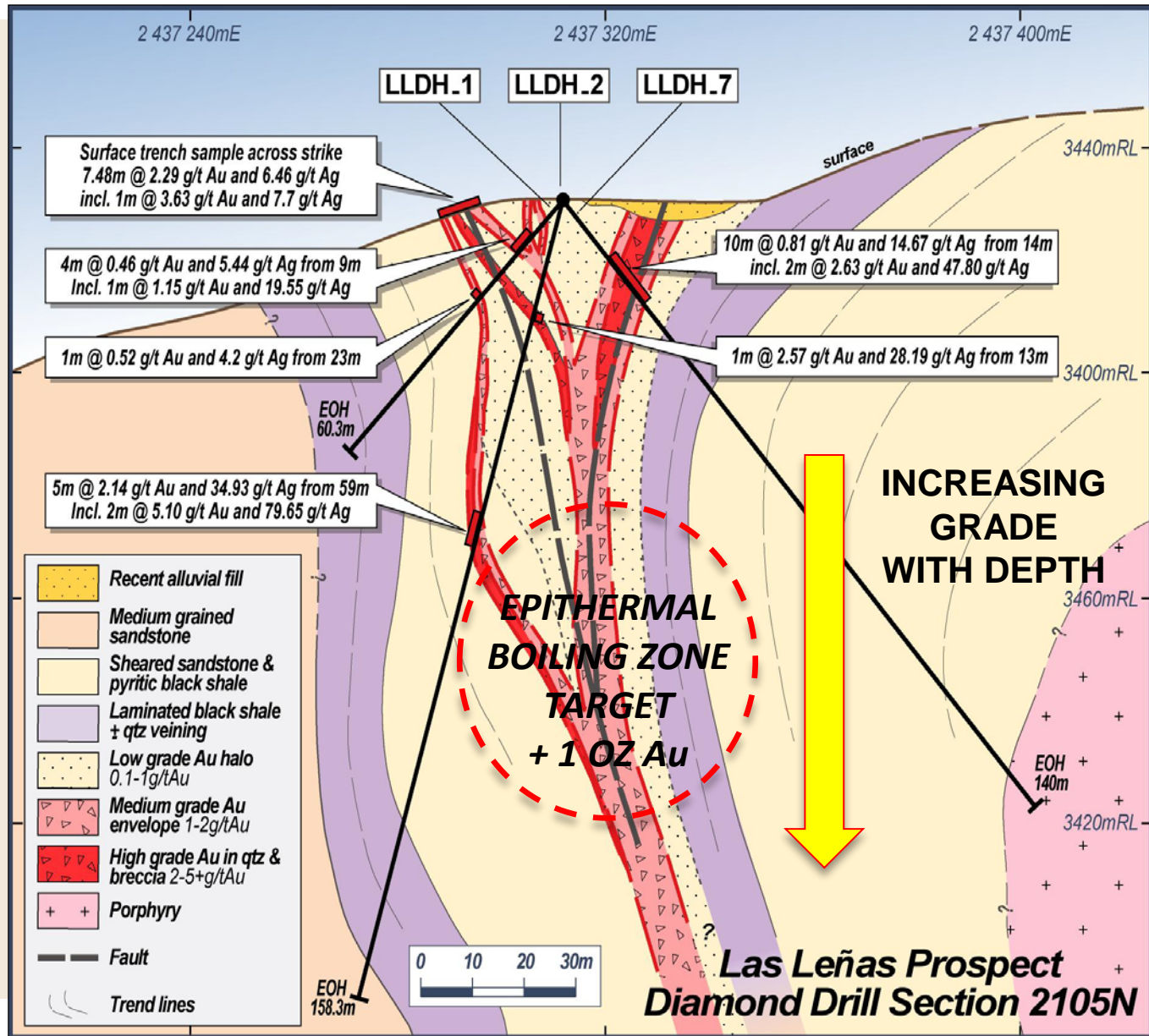
# San Francisco Project

- Widespread gold anomalism as epithermal gold veins in extensive alteration systems
- Drilled Las Leñas gold target in May 2013 with favourable results





# LAS LEÑAS VALLEY, DIAMOND DRILLING



# San Francisco - LAS LEÑAS VALLEY

*Mineralisation - as recently announced to ASX*

- Up to **2.38g/t Au** in initial rock-chip sampling
- **36m @ 1.23g/t Au** continuous sample run in follow-up chip sampling

Further trench sampling yields:

- **1m @ 3.63g/t Au + 7.7g/t Ag** with visible gold in hand-specimen
- **7.48m @ 2.29g/t Au + 6.46g/t Ag** in a continuous, full width, across-strike sample run
- **14.6m @ 2.65g/t Au + 7.10g/t Ag** in a continuous, along-strike composited sample run

Drilling completed mid-May 2013 to follow up trench results, refer following section:

- **5m @ 2.14g/t Au + 35g/t Ag, incl 2m @ 5.1g/t Au + 79g/t Ag (Au equivalent of 6.4g/t Au\*)**
- **Open at depth**

\* *using Au:Ag of 60:1 based on metal prices of \$1350 for gold & \$22.50 for silver*





# ***San Francisco - LAS LEÑAS VALLEY***



**Las Leñas epithermal vein system, looking north**



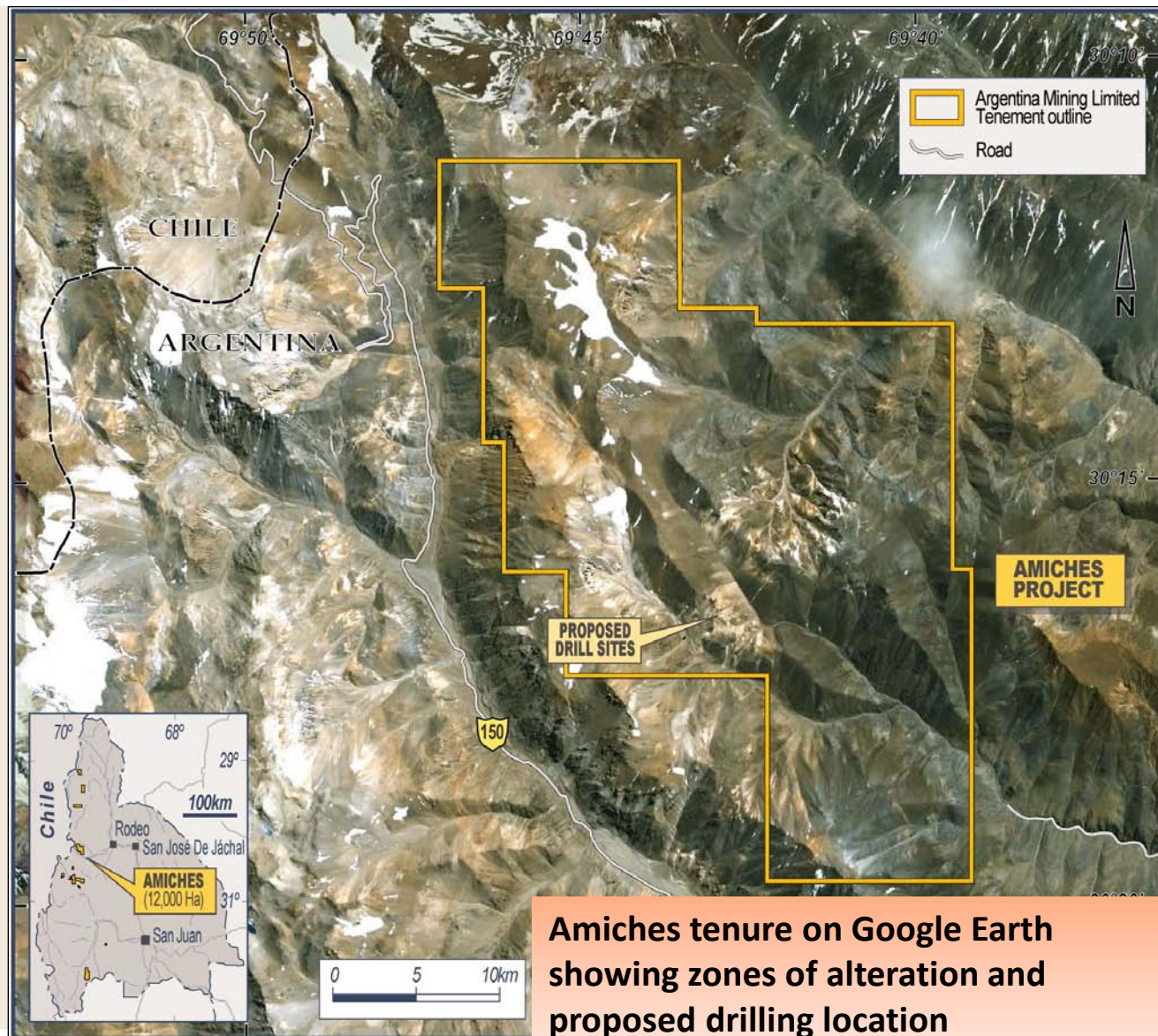
**Main vein**



# *Amiches*

## *Au-Ag epithermal system*

- Encouraging high-grade rock-chip results
- Good access
- Field reconnaissance undertaken late 2012 field-season, initially with mapping and low-density stream sampling



**Amiches tenure on Google Earth showing zones of alteration and proposed drilling location**



# Amiches

## Au-Ag epithermal system

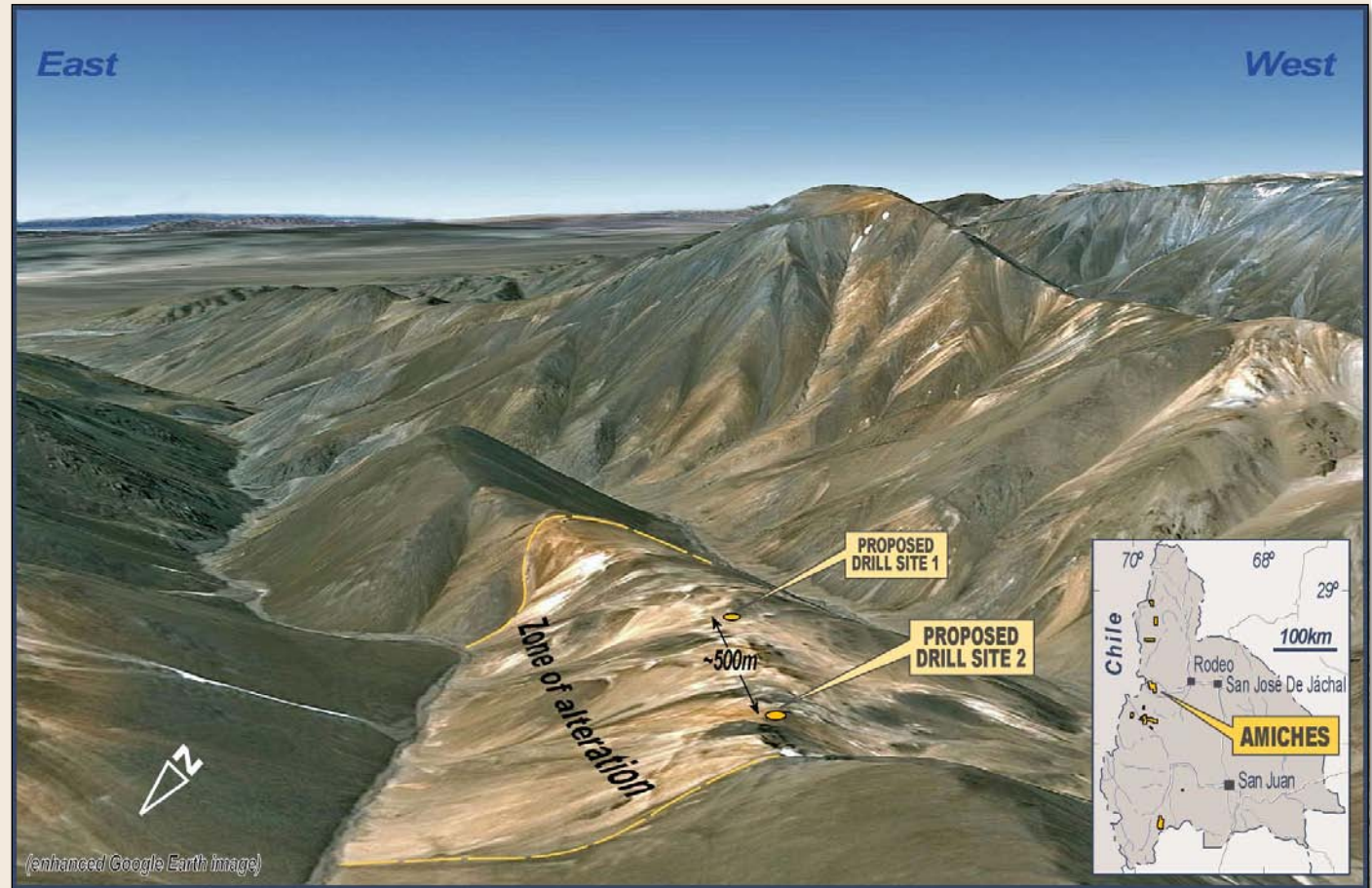
*Oblique Google Earth view to southeast at Amiches showing planned drilling at the Pirquen Ridge target*

Rock-chip results  
from dacitic  
hydrothermal  
breccia outcrop:

- 1m @ 18.91g/t  
Au + 389.51g/t Ag
- 2m @ 12.44g/t  
Au & >200g/t Ag

Other Au + Ag in  
g/t results:

- 2m @ 3.93 + 95.2
- 2m @ 2.79 + 49.1
- 2m @ 2.78 + 56.3
- 2m @ 2.69 + 56.3





# ***Forward Program – and News Flow 2014***

## **Timon**

- Complete peer review; Phase-2 drilling

## **Alma**

- IP lines and Phase-1 drilling

## **Amazonas**

- Complete acquisition; Phase-1 drilling

## **Cerro Blanco**

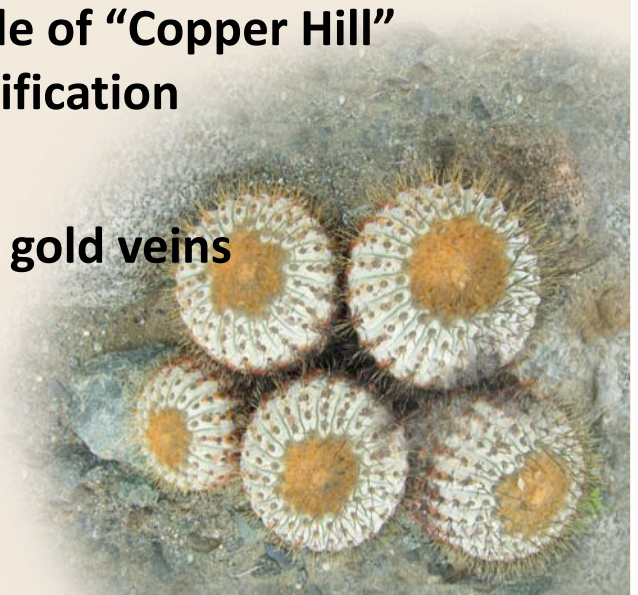
- Drill priority high-grade Cu-Au targets on east side of “Copper Hill”
- Review drill data to establish possible JORC classification

## **San Francisco**

- Detailed ground geophysics to define high-grade gold veins
- Drilling high-grade “boiling zone” at Las Leñas

## **Amiches**

- Sample and drill high grade gold veins



# *The Opportunity*

- **CHILE and SAN JUAN** - Excellent mineral prospectivity; mining friendly
- **LOCAL COMPANY** - Chilean office, local management , network and exploration team
- **PROSPECTIVITY** - Exciting Cu + Au + Ag grades and targets
- **SEVERAL PROJECTS READY FOR FOLLOW-UP DRILLING**
- **LOW SHARE PRICE GIVES EXCELLENT LEVERAGE**
- **EXPERIENCED AND SUCCESSFUL EXPLORATION TEAM**





# *Corporate Information*

Level 1, 30 Richardson Street  
West Perth WA 6005  
Telephone: +61 8 9481 2555  
Fax: +61 8 9485 1290



ASX: OVL

## ***Muchas Gracias***

[www.oroverde.com.au](http://www.oroverde.com.au)