



**LATIN RESOURCES**  
**LIMITED**

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**Update Presentation**

July, 2014

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# Why Latin America – Mining Investment

- Latin America is the preferred destination for global exploration
- In 2012 ,25% of all global exploration dollars were spent in Latin America
- By 2020 there will be 6 countries in Latam that will capture 50% of global mining investments
- Chile - \$100 billion , Brazil - \$ 68b, Peru - \$56b , Colombia - \$22b , Mexico \$13b and Argentina - \$10b (a total of \$269 Billion )



# Latin Resources Limited (ASX Code: LRS)



Mineral exploration and development company  
with projects in Peru and Brazil



Over 5 years of exploration work and  
\$15m spent to date



Over 160,000 hectares of mining concessions in Peru and Brazil



Strong Management team

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Shareholding	Shares	Options
Total Shares *	310 million	57 million
Market Cap @0.05	\$15 million	October 2014 exercisable @20c

\* Post SPP and  
shortfall

Junefield Group  
major Shareholder  
with **18 %**

Top 30  
Shareholders  
represent **70%**  
of shareholding



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# Peru & Brazil - Project Portfolio & Strategy

## Guadalupito Iron & Mineral Sands

Iron, Andalusite  
Zircon, Rutile ,  
Ilmenite ,



Close to  
Port & Infrastructure

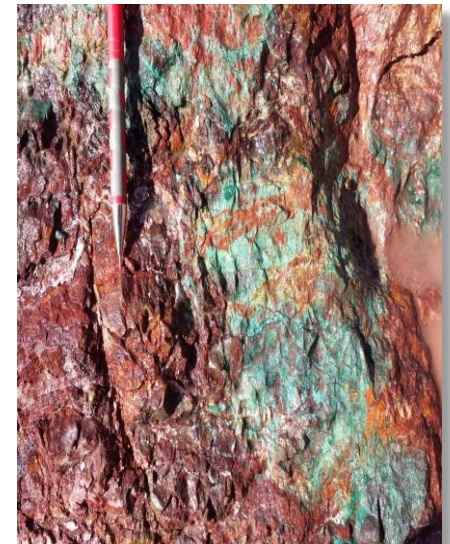
Fund & Drill Ilo Copper  
Projects

Develop projects to  
Produce in near term

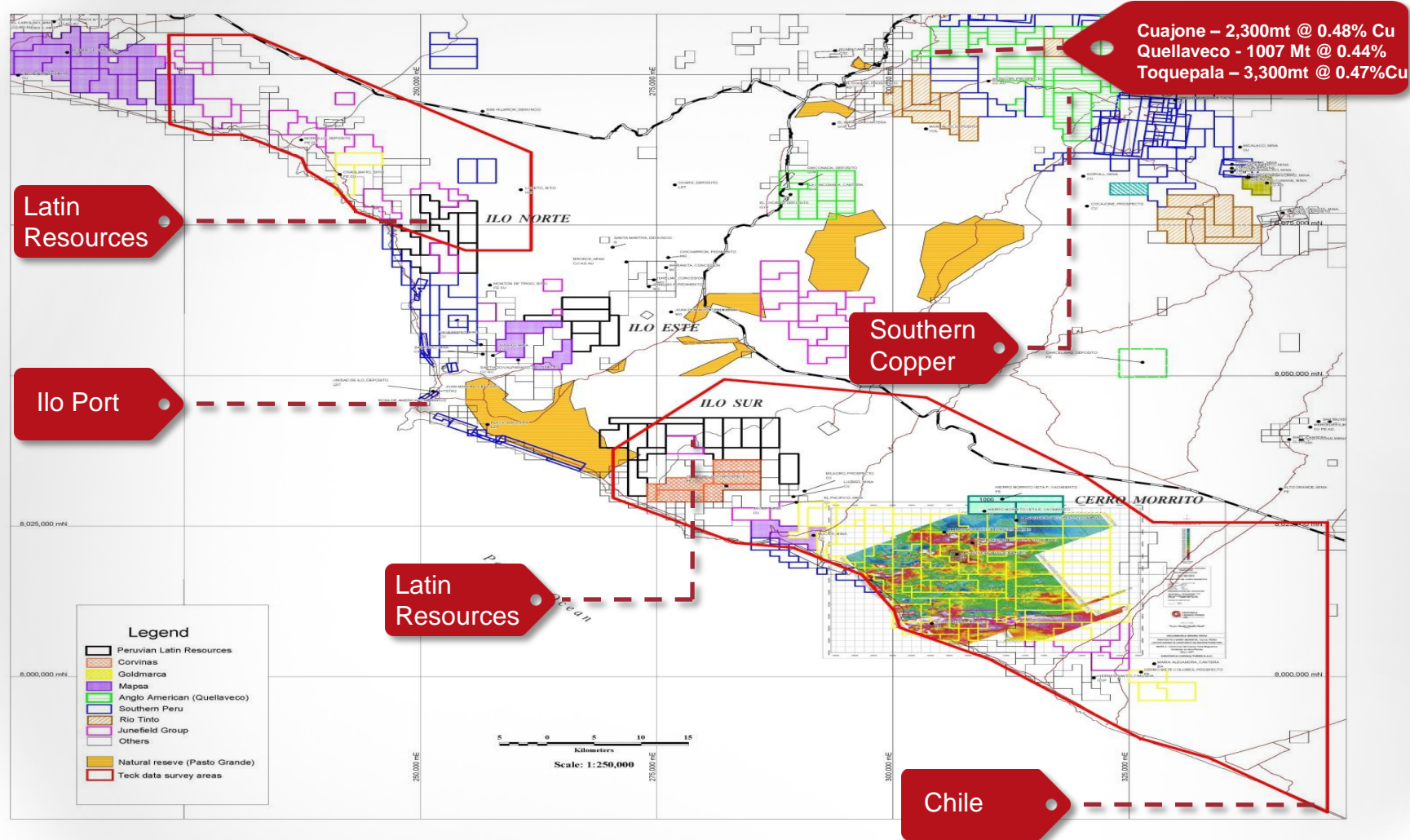
Find JV partner for  
Guadalupito

## Ilo Copper Projects - Peru

## Iron Ore Project - Brazil

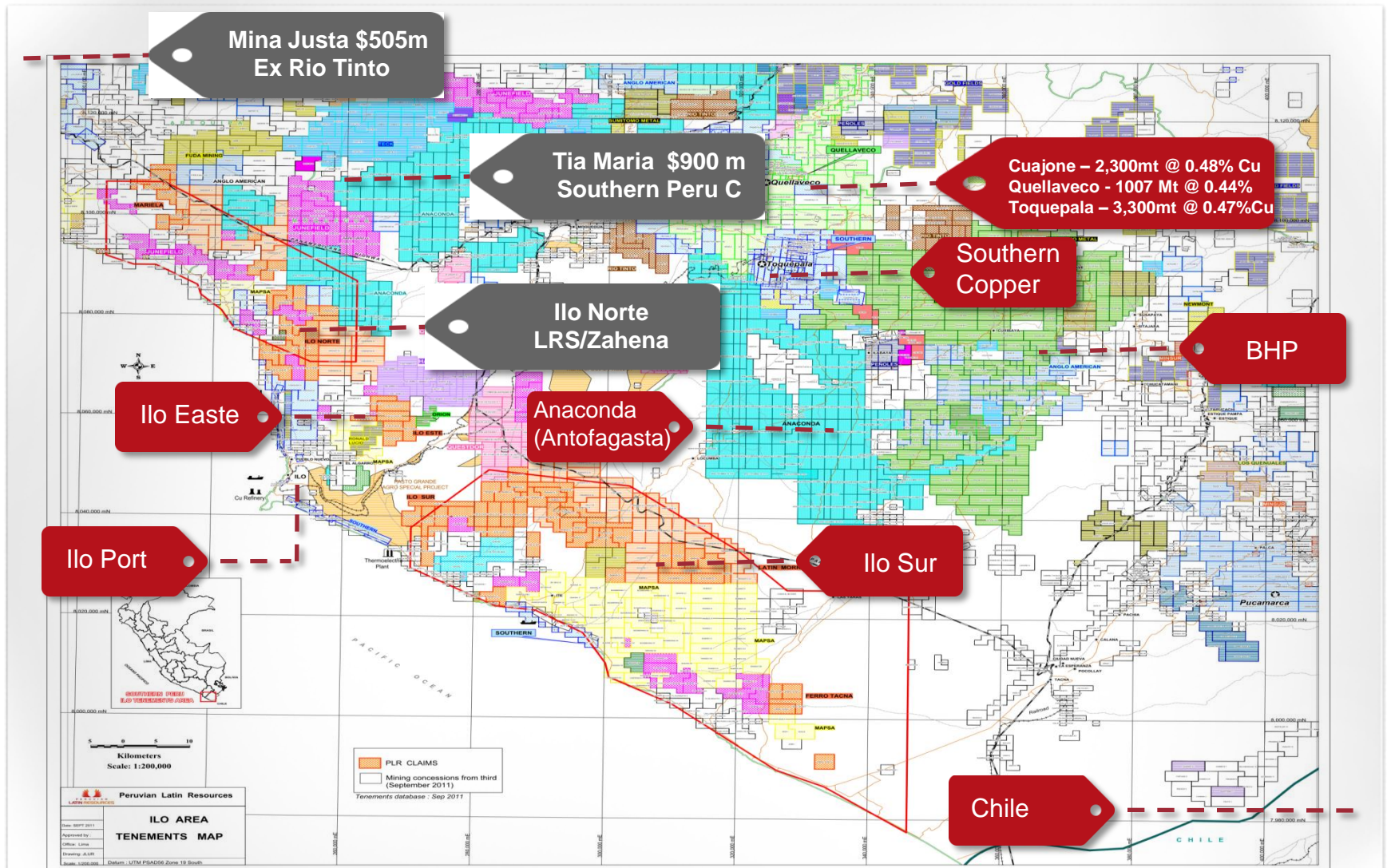


# Ilo District 2008





# Ilo 2013 – Southern Peru host over 125 Billion pounds of contained copper in published reserves and resources

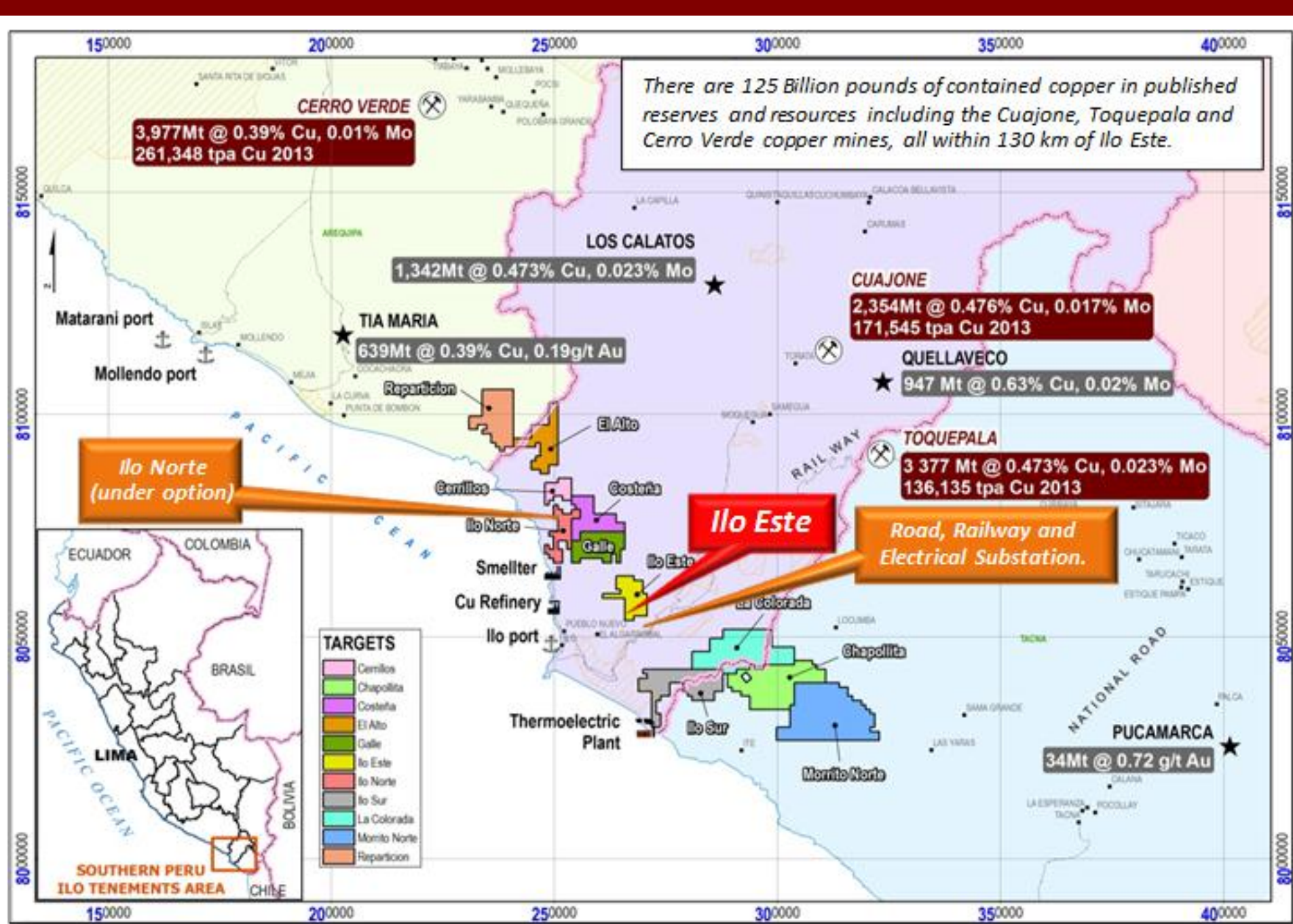


# Latin Resources Concessions – 130,000 Hectares

- 10 new target areas located in the Iron Oxide Copper Gold (IOCG) & Porphyry district of the Ilo region of southern Peru
- Excellent infrastructure – roads, power, ports
- Copper deposits in the region;  
Porphyry & Cu-Au IOCG  
Tia Maria 640mt @0.39% Cu  
Cuajone 2300mt @0.48% Cu  
Toquepala 3300mt@0.47% Cu  
Quellaveco 1007mt@0.44%Cu  
Mina Justa 413mt @0.79%Cu







# Ilo Este – Geochem, Mapping

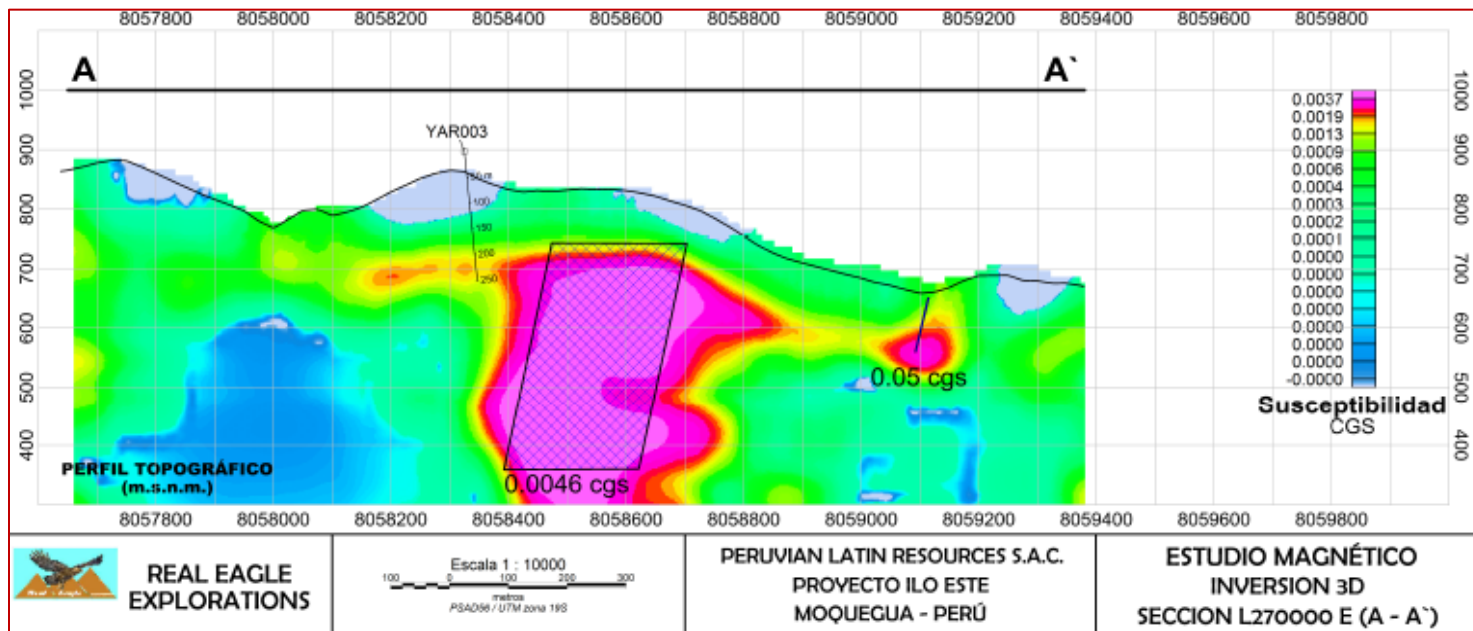
- Highly anomalous copper (+Au/Mo) in soils and rock chips over at least 3 km<sup>2</sup>.
- Geological and alteration mapping defines two ESE trending intrusive belts, each over 1 km in length, 0.5 km in width, and both hosting typical Cu-Au porphyry alteration and mineralisation.
- The Northern of the two intrusive belts was only partially drill tested by Rio Tinto in 2000, with 12 RC holes between 80 and 200m maximum depth.
- The Southern belt has not been drill tested and includes rock types more favourable for hosting higher grade copper mineralisation, representing a significant drill target.



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# Ilo Este - Geophysics

- Ground magnetics gave a 800m x 200m magnetic high within the Northern intrusive belt, modelled to be around 250 m deep, and thus *untested* by Rio Tinto's drilling.

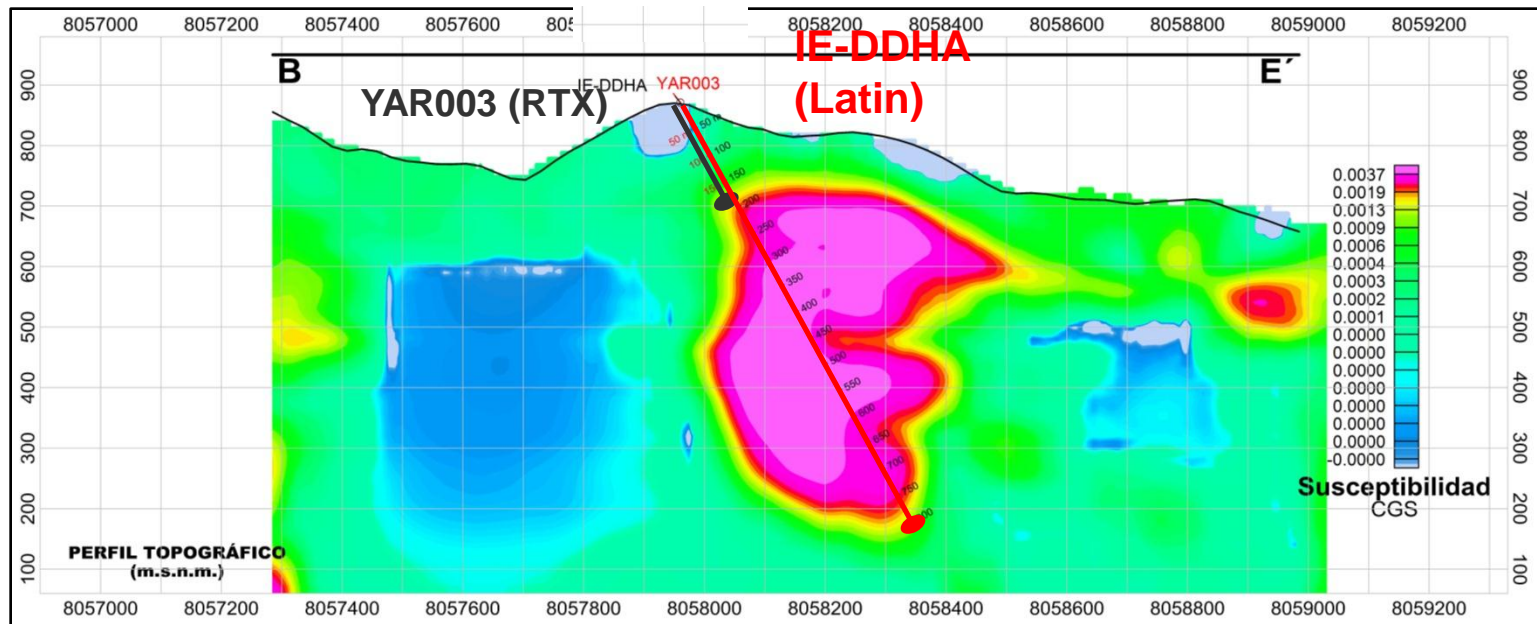


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# Ilo Este - Geophysics

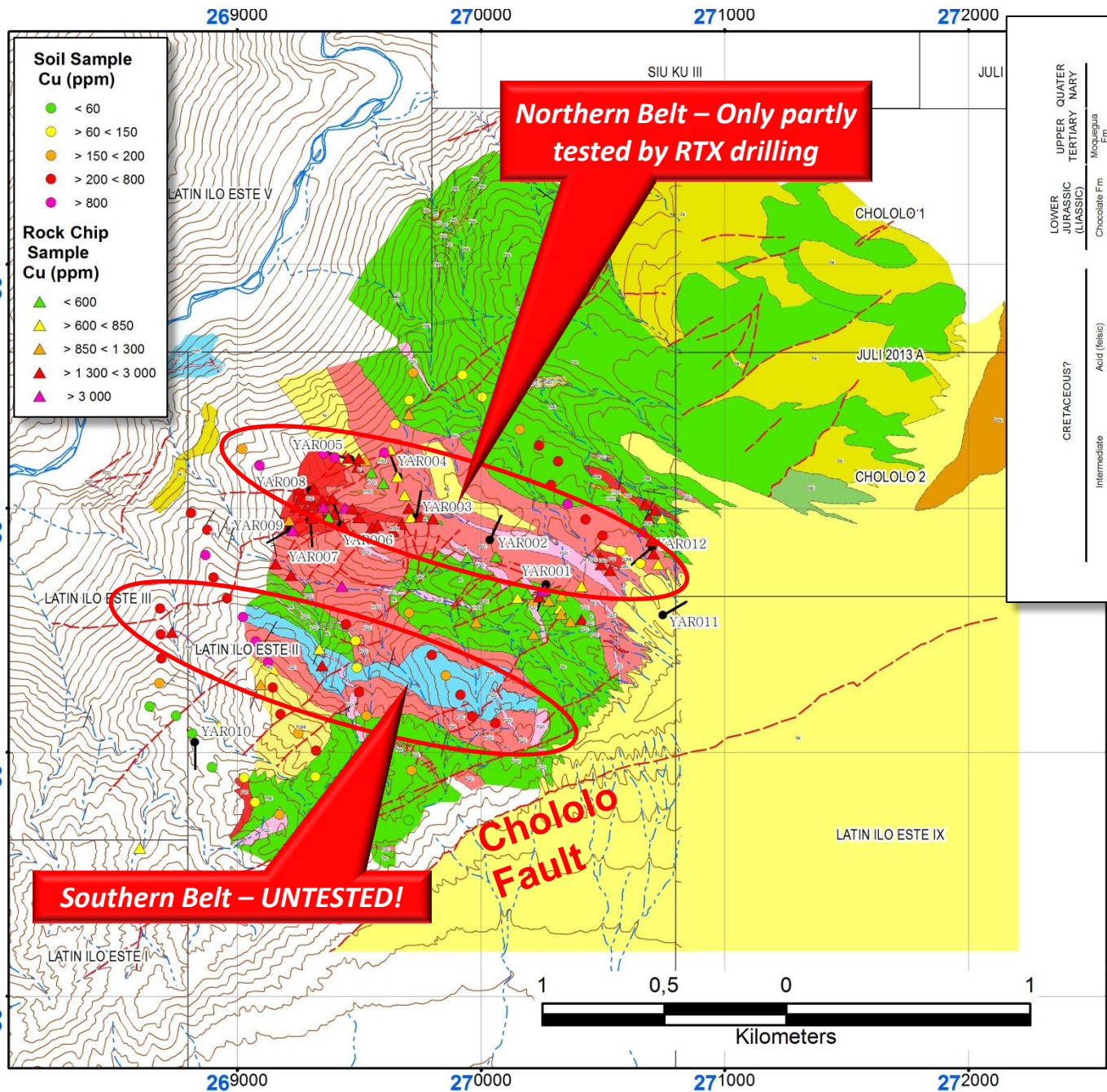
- Mag high could represent a magnetite - intense potassic altered intrusive phase with potentially higher grade copper mineralisation thus representing a significant drill target.



- 4 x 800 m hole program to test the first of several targets in 60-80 days.







#### Soil Sample Cu (ppm)

- < 60
- > 60 < 150
- > 150 < 200
- > 200 < 800
- > 800

#### Rock Chip Sample Cu (ppm)

- ▲ < 600
- ▲ > 600 < 850
- ▲ > 850 < 1 300
- ▲ > 1 300 < 3 000
- ▲ > 3 000

#### LEGEND LITHOSTRATIGRAPHY

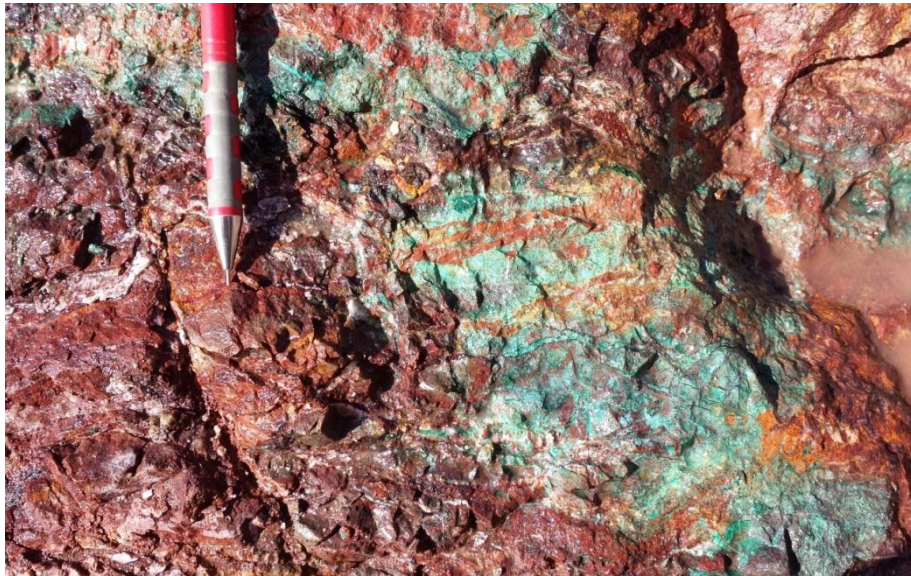
UPPER QUATERNARY	Cong	Sandstones, conglomerates, rare coals. Poorly consolidated.
TERTIARY	Mq	Boulders, conglomerates. Common granite clasts. Poorly consolidated.
LOWER JURASSIC (LIASSIC)	Cho	Chocolate Fm (undivided). Andesites, andesitic tuffs, sandstones, siltstones.
	Sst	Sandstone, siltstone, minor mudstone.
	PA	Porphyritic andesite.
	Xtal	Andesitic crystal-lapilli tuff.
CRETACEOUS?	IGNEOUS INTRUSIONS	
	Fels	Undivided felsic dyke, largely inferred from satellite image.
	Ap	Aplite, microgranite. Locally silicified and pyrite-rich (argillic altered).
	Rhy	Porphyritic rhyolite, abundant small quartz phenocrysts.
	PD	Porphyritic dacite. Isolated phenocrysts feldspar and embayed quartz in very fine grained groundmass.
	PGd	Porphyritic granodiorite, similar to PQDi with uncommon euhedral biotite phenocrysts.
	PQDi	Porphyritic quartz diorite. Slightly isolated feldspar, hornblende and quartz phenocrysts in fine grained groundmass.
	PQD	Porphyritic quartz diorite. Weakly porphyritic, with touching feldspar, hornblende phenocrysts. Plutonic texture.
	IGBx	Igneous breccia, andesitic with microdiorite xenoliths; epidote-rich.
	PMd	Porphyritic microdiorite.
	PQMd	Porphyritic quartz microdiorite.
	HYDROTHERMAL BRECCIA	
	HYBX	Hydrothermal breccia (undivided).
	CONTACT METAMORPHIC ROCKS	
	Horn	Hornfels. Very fine grained. Protolith uncertain.



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# Ilo Este – Infrastructure

- 14 km of access roads from the Pan-American Highway are in good condition and provide access for future drilling with minimal investment.
- The mineralised system is 6 km from the Pan-American Highway, Railway Line and Electrical Substation, and from there 32 km to the Port of Ilo.
- Drilling to commence August and first 4 holes completed within 2 months .



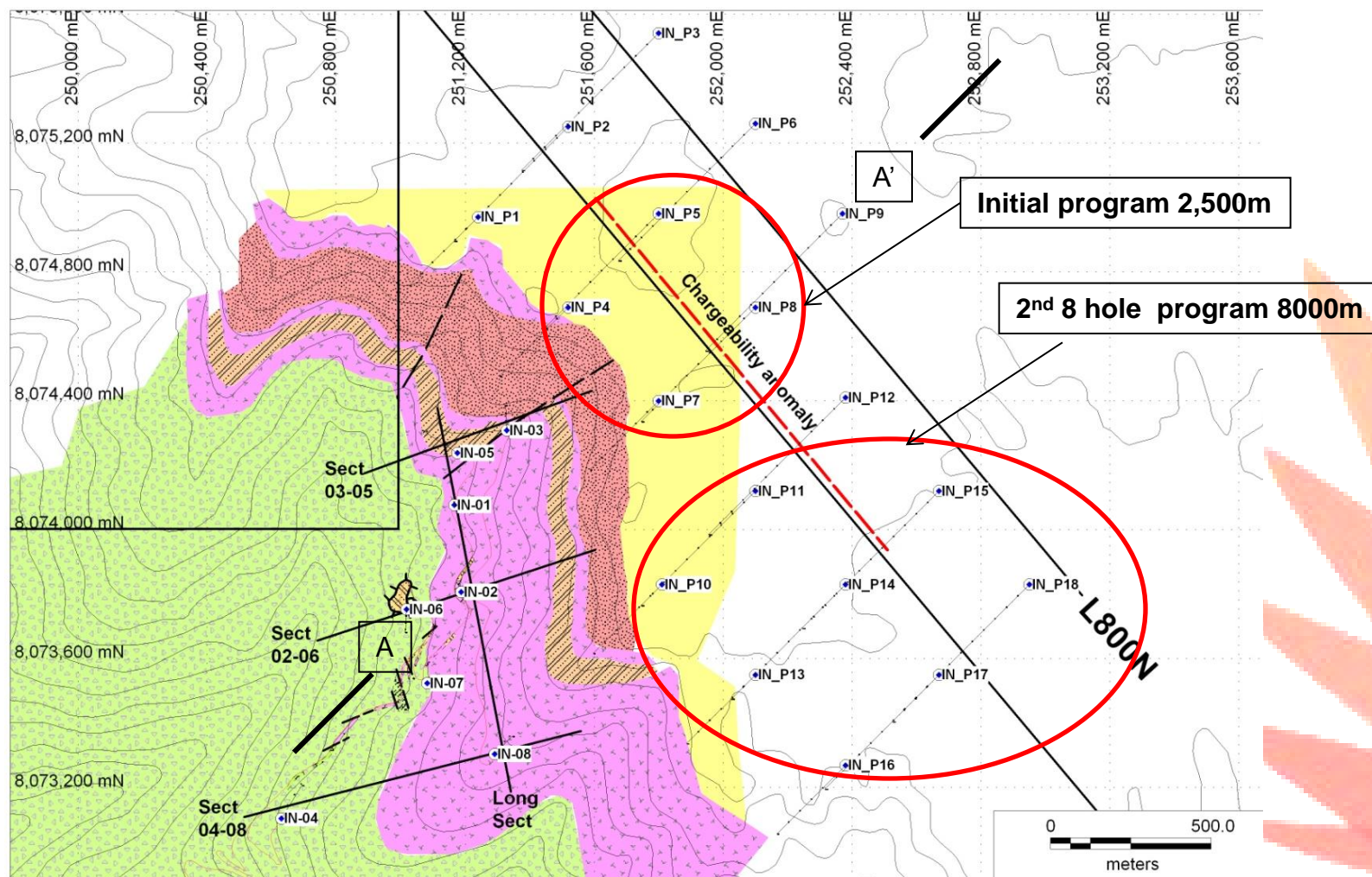
## **ZAHENA JOINT VENTURE - US\$9M TO EARN 70% OF LATIN'S ILO NORTE PROJECT**

- **Earn-in option to transfer 70% ownership of its Ilo Norte Project to Compañía Minera Zahena SAC (CMZ) for a total consideration of US\$3.65 million cash and exploration work commitments totalling US\$4 million plus the immediate execution of a 4800 m diamond drilling program.**
- **PLR to receive staged payments over 4 years totalling US\$3.65 million.**
- **A minimum of 12 diamond drill holes totalling at least 10,000m are to be completed by CMZ within 18 months.(now completed)**
- **Following exercise of the option, a Newco will be formed where PLR retains 30% ownership. CMZ will have a limited option to buy out PLR's 30% interest for a cash sum, to be negotiated, plus a 2% Net Smelter Return royalty on all mineral sales.**





# Ilo Norte - first 12 holes completed by Zahena





# Ilo Norte – High Grade Copper intersected

- High grade copper intersected ; 30m @ 0.93% copper & 0.12% gold from 282m including 6m @ 3.1% copper & 0.45g/t gold from 300m in hole IN019 (0.1% Cu cut off)
- 12 holes completed within 4 months ( 18 months was programmed by Zahena)
- Excellent infrastructure ; 5km from sealed Highway ,10 km from Peru's major copper smelter and 25km from Port city of Ilo
- Over 560,000 tonnes pa copper production and 125 billion pounds of copper in published resources and reserves within 100km of Ilo Norte



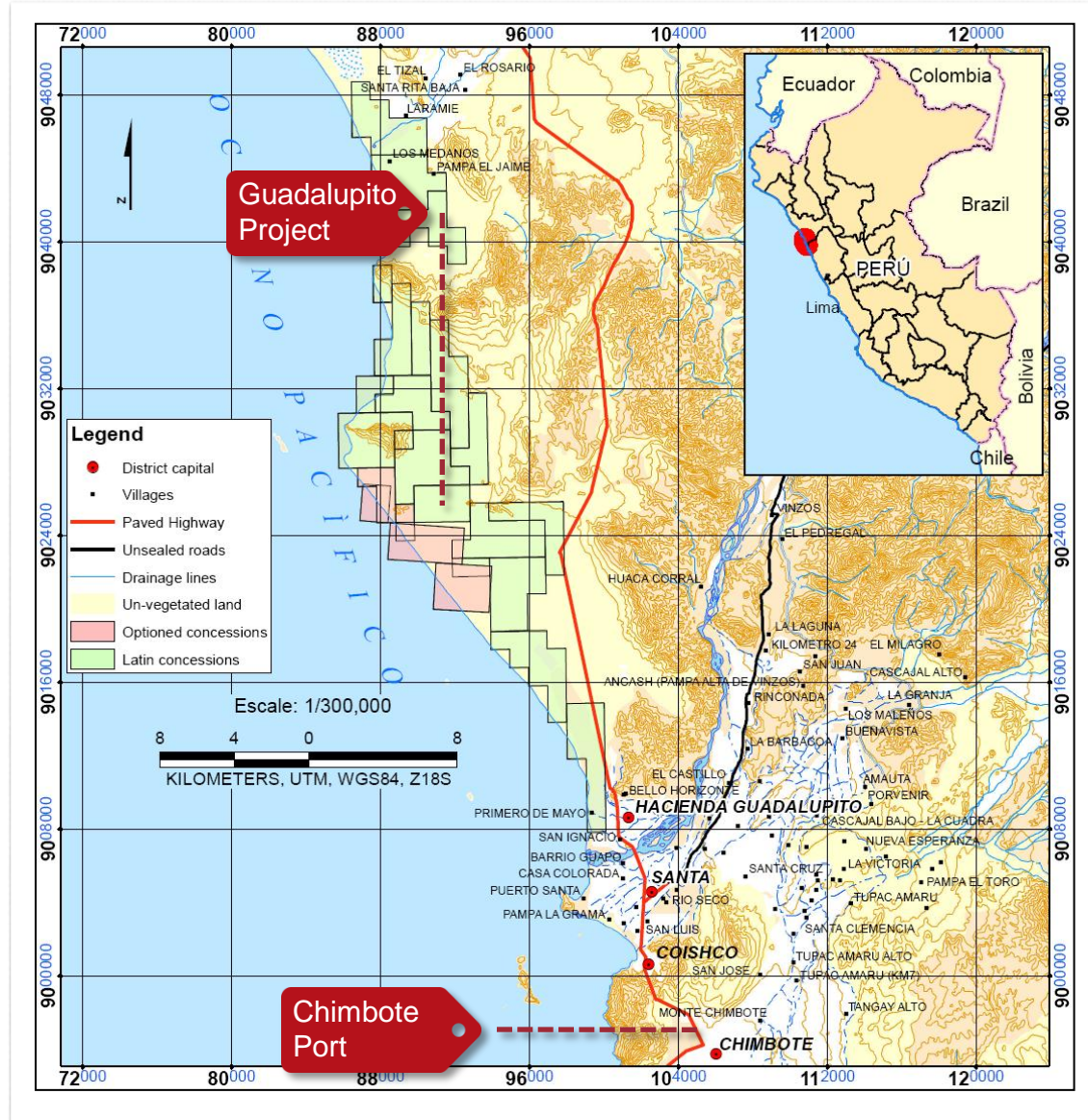
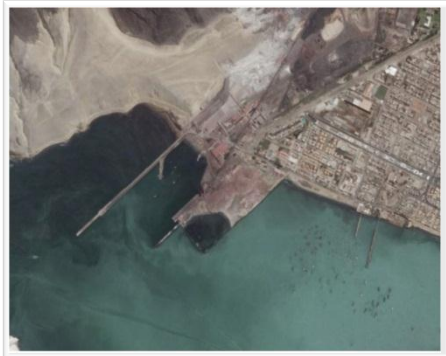
# Guadalupito Iron & Mineral Sands Project - Peru

Total holding of over  
**24,000 hectares**

The port town of Chimbote is  
**25kms South**

SiderPeru Steel works (Gerdau Group)  
**is located in Chimbote**

Close to  
**infrastructure - Port & Hwy**



# Guadalupito Iron & Mineral Sands Project



**1.3 Billion Tonnes  
@ 5.7% HM**

**JORC Inferred  
Resource**

## **Two Major Minerals**

**Magnetite 25% of HM and  
Andalusite 26% of HM**

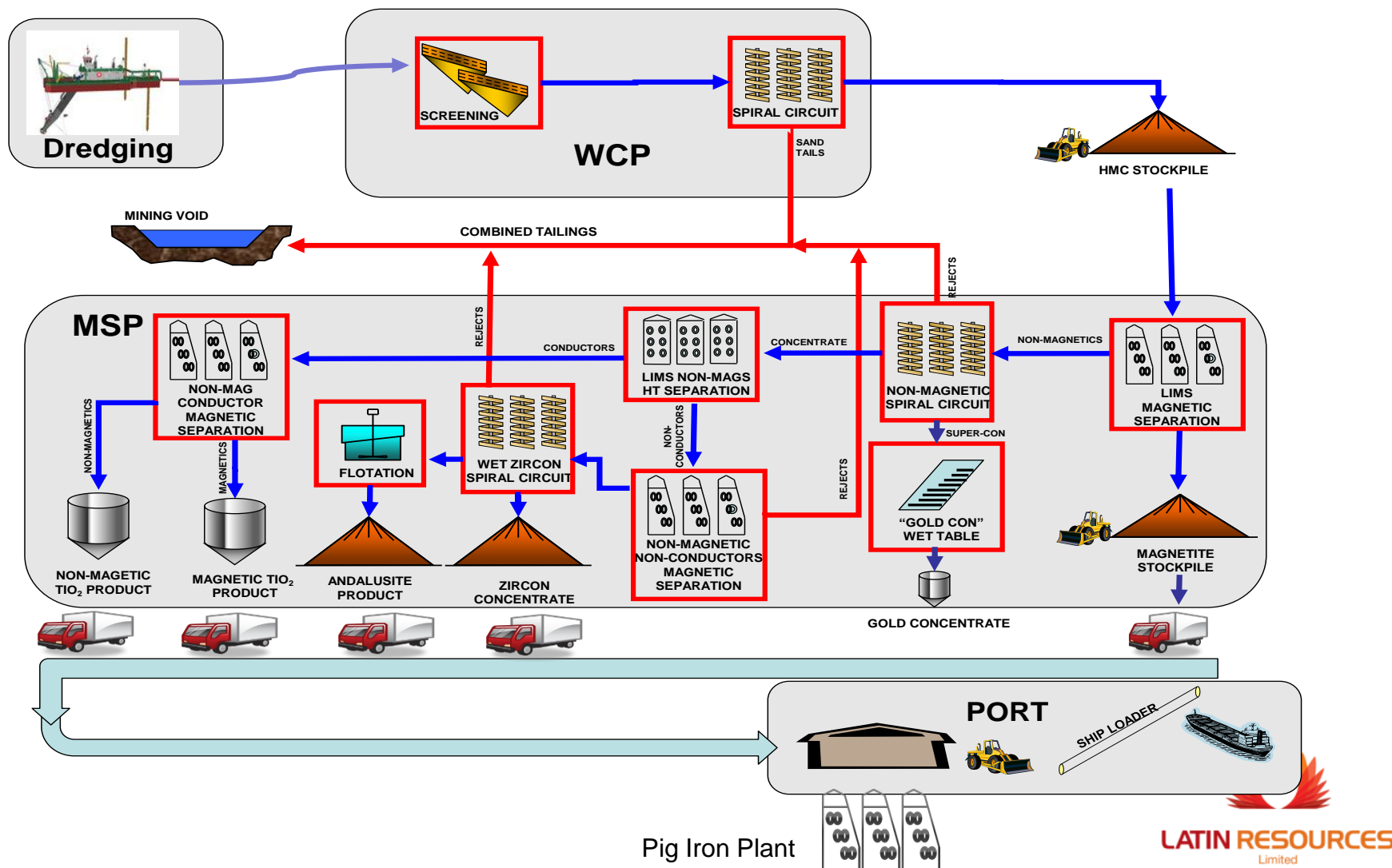
Discrete liberated mineral grains  
of recoverable size of **Zircon,  
Rutile and Ilmenite**  
have been identified.

Conceptual exploration target of between **3.9 and 5.1 Billion** tonnes of mineralized sediments  
with between **3.2% and 8.4% HM** (*weighted average 4.5 Bt @ 6.1% HM*).

*The potential quantity and grade is conceptual in nature, and there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.*



# Scoping Study -Dredging Mining Operation





# Guadalupito Products

## Magnetite

- Steel
- Pig Iron

## Andalusite

- Refractory , kilns
- Glass & Ceramics

## Zircon Rutile

- Ceramic Tiles
- Sanitary Ware



# Andalusite Industry

## Latin Resources Guadalusite

- 60%  $\text{Al}_2\text{O}_3$
- 0.5%  $\text{Fe}_2\text{O}_3$

## Commercial Products

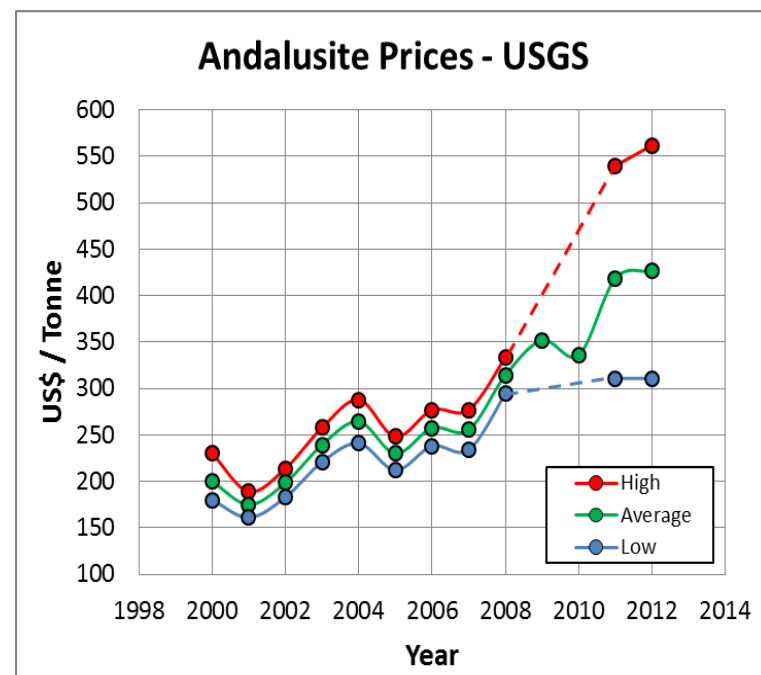
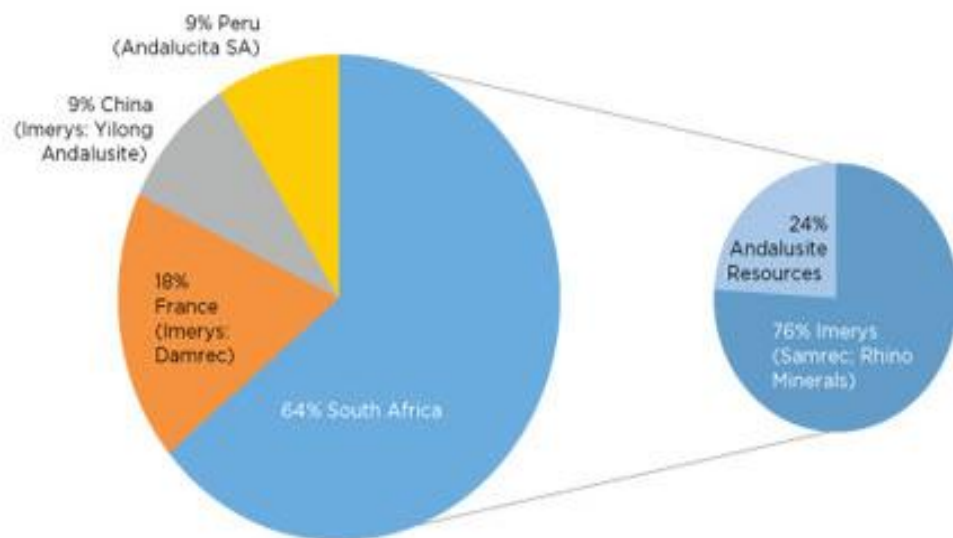
- Refractory , kilns
- Glass & Ceramics

## R&D Potential

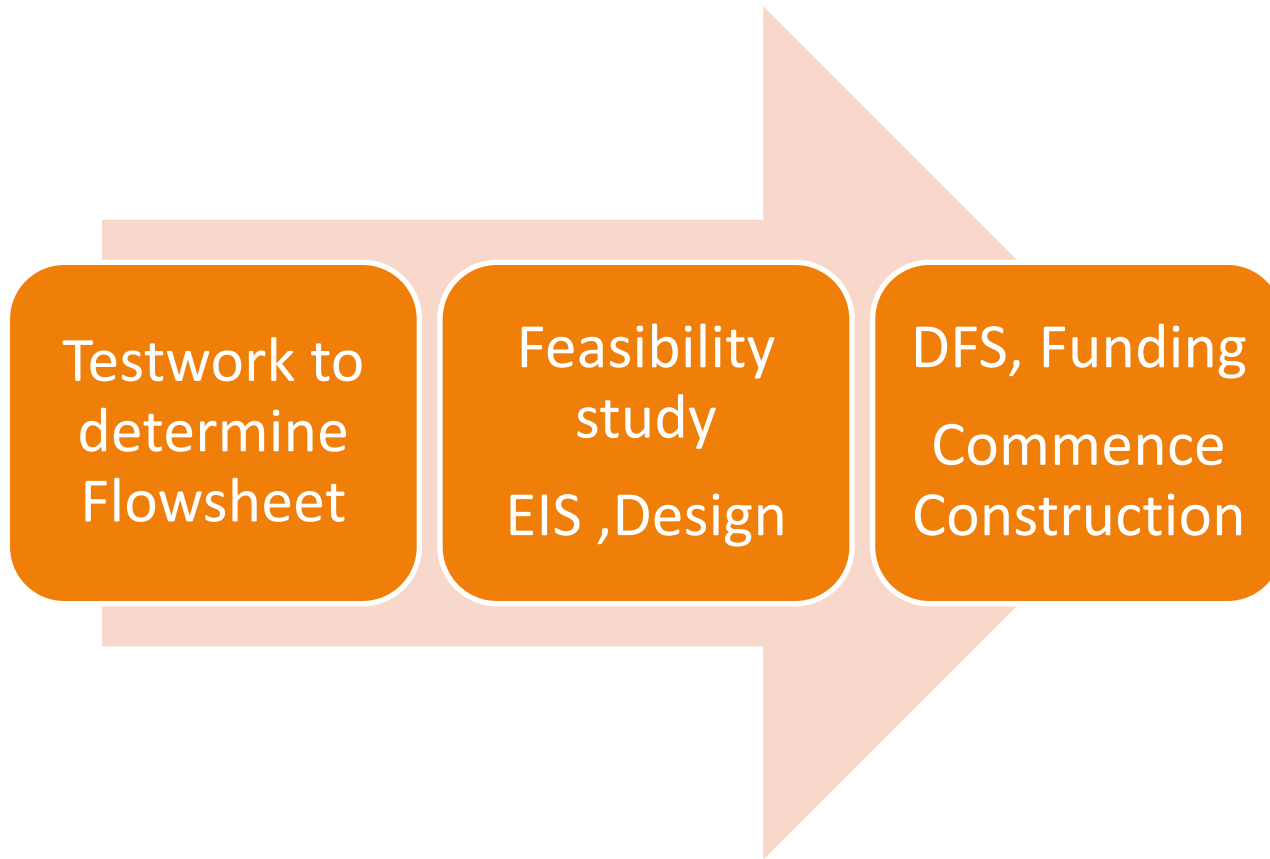
- Bauxite replacement
- Proppants ( CSG Fracking )



# Andalusite Production and Prices



# Guadalupito Next Steps





# Strategy and Goals for 2014 – 2015

**Develop Copper projects in Ilo District**

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**Commence drilling program at Ilo Este (August)**

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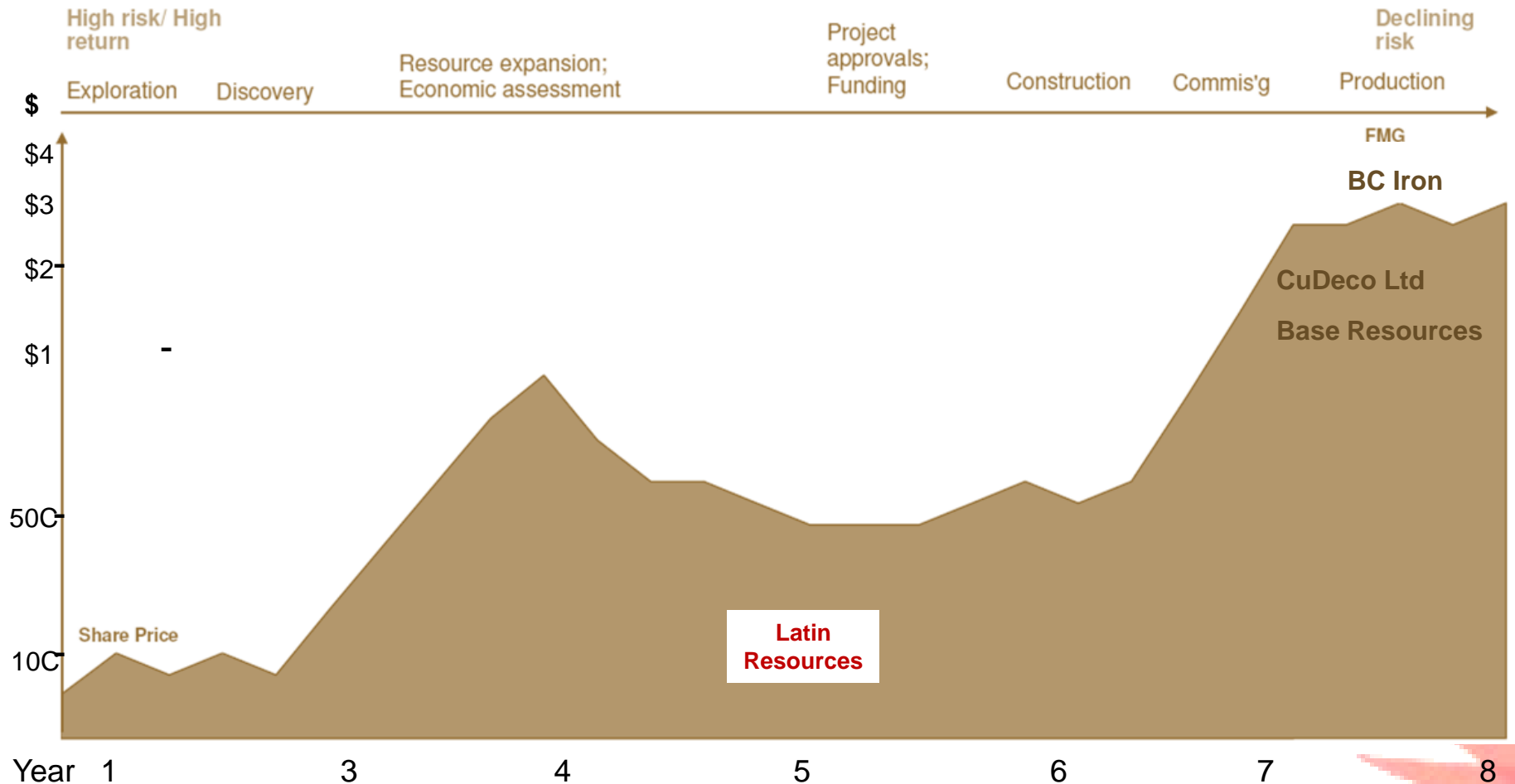
**Identify J/V partner at Guadalupito**

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**Complete DFS and commence construction at  
Guadalupito**



# Explorers' Development Cycle: Conceptual Market Capitalisation versus Development Stage



## Competent person statement

*The information in this presentation relates to previously released exploration results and geological data that were prepared and first disclosed under the JORC Code 2004. This 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 was based on information compiled by Mr Andrew Bristow, a full time employee of Latin Resources Limited's Peruvian subsidiary. Mr Bristow is a member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralization and the type of deposit under consideration to qualify as a Competent Person as defined in the December 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Bristow consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.*

In addition the following [Disclosures](#) and [Competent Person Statement](#) should be read in relation to the Conceptual Exploration Target for the Guadalupito project referred to on page 18 of the announcement.

## Disclosures

The latest global Conceptual Exploration Target (CET) for the Guadalupito Project was estimated at between 3.9 and 5.1 Billion tonnes with between 3.2% and 8.4% HM (weighted average 4.5 Bt @ 6.1% HM), and was exclusive of previously published JORC inferred resource estimates at "Heldmaier" and "Tres Chosas". The potential quantity and grade is conceptual in nature, and there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource. A detailed explanation of the estimate was published on 21 November 2012 and is based on the significant amount of exploration data including drilling results generated by the Company during the previous two years.

Given that a JORC (2004) inferred resource estimate of 1,073 Mt @ 6.1% HM was subsequently completed, (reported 07 February 2013), and was mostly within one part of the CET area, the validity of that part of the CET has been confirmed. Infill drilling and sampling activities have been designed to test the validity of much of the remaining CET, and exploration and environmental permits have been approved for these activities by relevant authorities, and are current up to 2016 with potential for extension.

When these activities will be completed remains uncertain given the significant inferred resource estimate already completed that provides more than enough resource for most conceivable medium to long term production scenarios. The completion of further validation of the CET and estimation of additional resources will depend on the budget allocated by the Company under a variety of funding scenarios under consideration for the Project at this time. It is envisaged that validation activities will take place over the coming 1 to 5 years.

## Competent Person Statement

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Thank you and Questions