

Mirasol: New Discoveries & New Horizons – Realized Value from Joaquin Discovery and Rapidly Advancing New Discoveries in Chile

MIRASOL RESOURCES LTD

Mary Little, President and CEO

**Precious Metals Summit, Colorado
September 18-20, 2013**

Presentation: 9:15 a.m. Friday Sept. 20, 2013 in Room 2

TSX-V: M

mirasolresources

TSX-V: MRZ

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This presentation is subject to change.

For more information, please refer to the latest risk factors in the Company's filings as well as the latest information on the Company's website at www.mirasolresources.com.

Mirasol Investment Highlights

Track Record: Explorer partner of choice

Monetized project generation success with sale of **Joaquin** silver-gold project for US\$1.36 per share in cash and stock (value of US\$1.36 per share)

Advancing pipeline of organic discoveries: **Titan** and **Atlas** gold projects; **Rubi** copper project in Chile. **Virginia** silver and **Claudia** silver-gold projects in Argentina.

Financially Funded: Strong long-term financial position

June 2013 cash position ~C\$27.5M

Marketable securities (Coeur shares) ~US\$18.5M

Low G&A¹ and burn rate, excluding exploration, of <C\$0.4M/quarter

No debt

Integrity & Innovation:

Experienced & strong Board, management & exploration team

Cutting-edge exploration technology using satellite and remote sensing (ASTER) to detect mineral alterations

Strategic Focus: Dominant early-mover position in prime districts

Fiscal 2013-14 exploration program ~C\$7M (70% in Chile)

In just two years, MRZ has identified 2 drill-ready discoveries and established 7 other projects in a new gold belt in Northern Chile

Delivering Value to Shareholders

| | |
|--|--|
| Ticker Symbol | TSX-V: MRZ Frankfurt: M8R |
| Shares Outstanding (August 31, 2013) | 44,218,461 |
| Options | 3,757,800 |
| Warrants ¹ | 2,200,000 |
| Fully Diluted Shares (August 31, 2013) | 50,113,461 |
| 52-week Low/High | C\$1.07/C\$2.70 |
| Market Capitalization ² | C\$55.3M |
| | |
| Cash ³ | C\$23.0M |
| Marketable Securities (Coeur NYSE:CDE) | 1.31M shares (US\$18.5M) |
| Closely Held – Insiders/Founders | 9% |
| Major Shareholders | Sprott Asset Management, JP Morgan Asset Management, US Global Investors, AGF Investments, John Tognetti, chairman of Haywood Securities |

5 equity financings since May 2005 IPO; last private placement was Dec. 2012

1. Issued in May 2005 and May 2006. Warrants exercisable at C\$1.30 and C\$3.30 exercise prices. Warrants expire December 20, 2013.

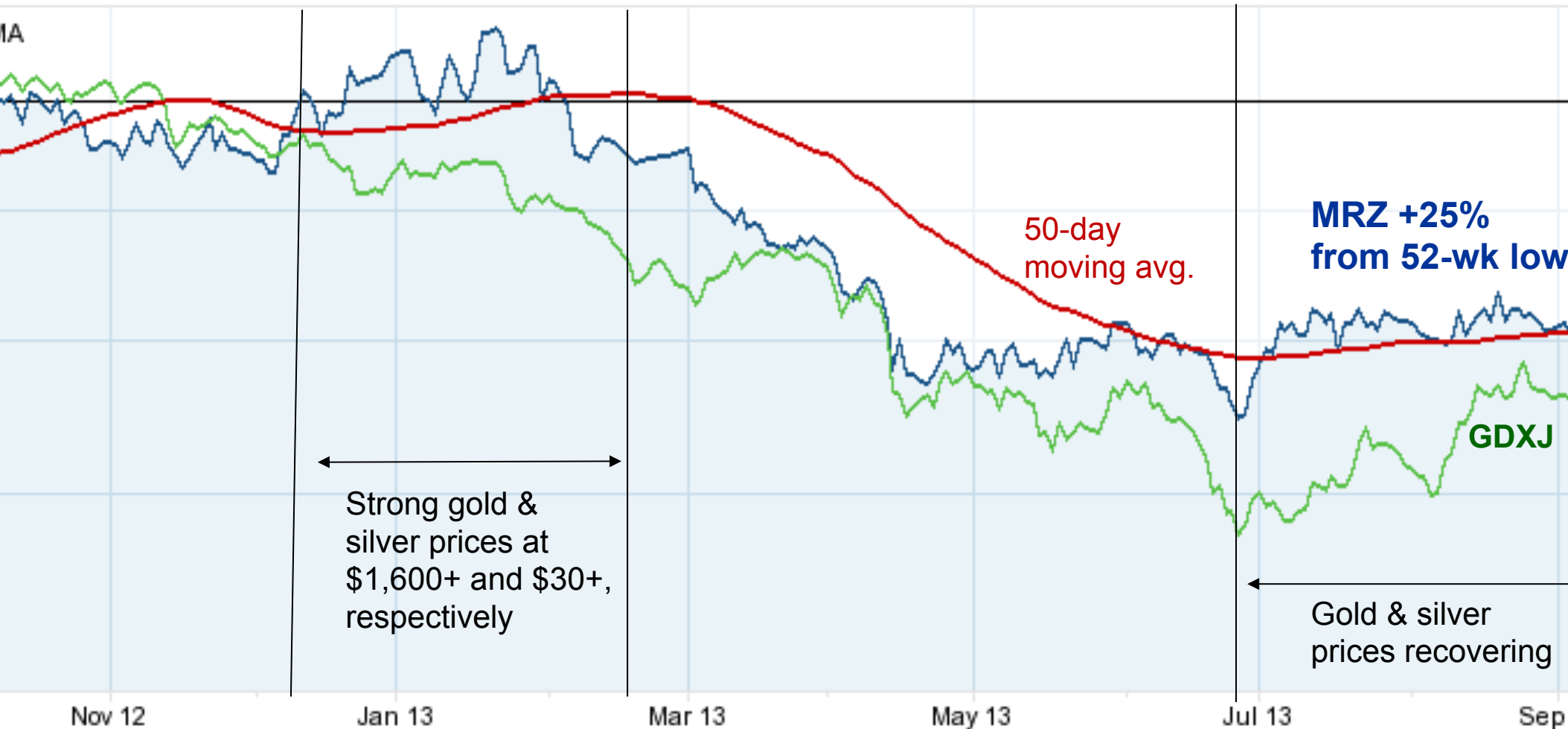
1 Year MRZ Performance

In precious metal uptick periods, MRZ *outperforms* Market Vectors Jr. Gold Miners ETF (GDXJ)

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GDXJ

Sep 12, 2013



MRZ offers precious metal investing leverage

Management and Board

Ray L. Little, *President, CEO, Director and Founder* – M.Sc., MBA, 25+ years as CEO, geologist, analyst and country manager for major mining companies, 15 years in South America.

Stephen C. Nano, *V.P. Exploration and Founder*, B.Sc. (Hons.) – 25+ years in exploration and mining management and consulting roles in Latin America, Asia Pacific & Central Asia for major mining companies.

Timothy W. Heenan, *Exploration Manager, Director and Founder* – B.Sc., 25+ years as exploration geologist and program manager throughout the Americas, with small and large mining companies.

Michael G. Lhotka, *Principal Geologist, Ph.D., P. Geol.* – 25+ years in exploration as technical and country manager and Qualified Person with 15 years experience in Latin America.

Mark DeMare, *Independent Director, CA* – President and founder of Chase Management Inc. and board member of several TSX and Venture-listed companies.

Stephen Putnam, III, *Independent Director, M.Sc.* – Resource investment fund manager for the last 16 years and previously regional exploration manager for several multi-national precious metals companies.

Announced Dec. 11, 2012 - Closed Dec. 21, 2012

Strategy: Divested project in Argentina to balance geo-political risk focus in Chile and securing long-term exploration funding

Efficient Execution: Quick execution of deal. 11 days from announcement to closing on Dec. 21, 2012.

Terms: US\$60 million as \$30M cash + \$30M in shares (1,310,043 NYSE Coeur shares.) Cash component for half of the price.

- Coeur purchased Mirasol's 100% owned Argentine subsidiary

Discovery leverage: Board and Management expects MRZ's investment in exploration to leverage further project generation opportunities, creating growth value for shareholders

MRZ is now well-funded for the long-term, enabling future growth

| Joaquin Sale: Recent Comparable Deals | | | | | | |
|---------------------------------------|-----------------------|--------------|-----------------|------------|-----------------|-------|
| | Target Project | Seller | Acquirer | % Owned | Price (US \$ M) | US Eq |
| 1 | ECU, Mexico | ECU | Golden Minerals | 100% | 312 | |
| 2 | San Jose Mine, Mexico | Minera Andes | U.S. Gold | 49% | 763 | |
| 2 | Cerro Moro, Argentina | Extorre | Yamana Gold | 100% | 402 | |
| 2 | Joaquin | Mirasol | Coeur Mining | 49% 39% | 60 | |
| 3 | La Preciosa, Mexico | Orko | Coeur Mining | 100% | 385 | |



Unique position: Cash and marketable securities of approx. US\$45M & primed with large portfolio of high calibre projects

Major producers continue to do JV's on quality projects

Delivering returns from the project generator JV business model

Remain focused on a geologic / geographic/ strategic scale

De-risking by employing a Hybrid Project Generator – JV model

Strong commitment of core team of Discovery-Focused Management with growing list of discoveries.

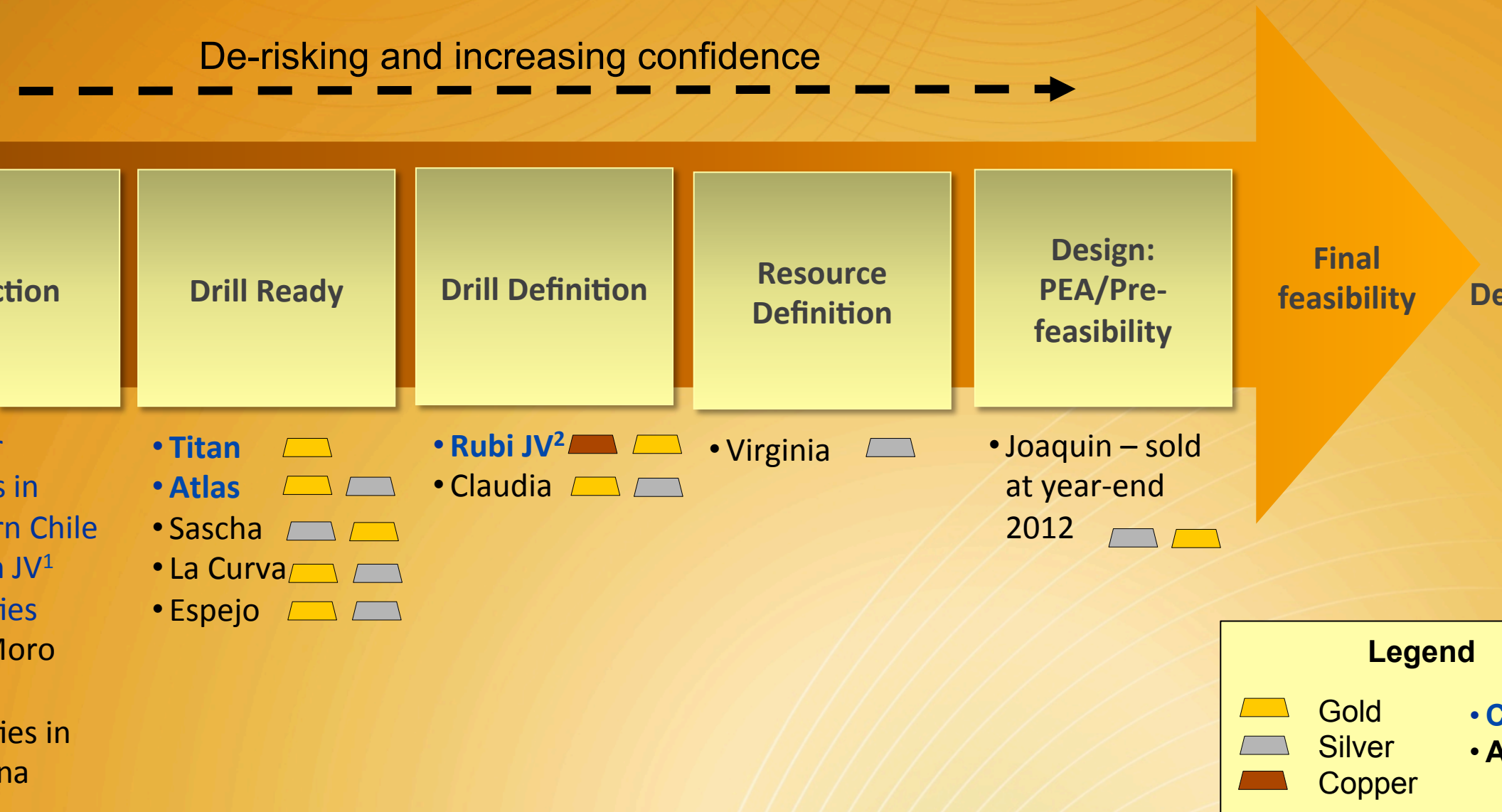
2 two geological terrains & 2 countries – complementary deposit styles

High grade vein style & large bulk tonnage / diversifying portfolios

Chile: 10 new projects & expanding. Focused on Mio-Pliocene deposits. Achieving early success with more to come.

Argentina: Many properties. Jurassic epithermal high grade vein bulk mineable targets. Focused on JV model to minimize financial

MRZ's Project Pipeline Realizing Value



private Chilean company. JV agreement was signed in December 2012 and requires no cash payments from MRZ. MRZ is earning into an initial 51% first year exploration expenditures of \$300,000.

announced in MRZ's news release of Sept. 18, 2013, First Quantum is earning into a 55% interest by expending US\$6.5M over four years (to Sept. 2017) and will pay staged cash payments totaling US\$1.1M. First Quantum can then earn into 65% by completing a NI 43-101 compliant resource estimate and Preliminary Economic Assessment on a minimum resource size of 1 million tonnes of contained copper. First Quantum may further increase its interest to 75% by completing a "feasibility study" and will earn a 50% interest if MRZ completes a Preliminary Economic Assessment on a minimum resource size of 1 million tonnes of contained copper.

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Chile: Mio-Pliocene Arc / Rubi





- Re-entered Chile 3 years ago after i
2006 acquisition of Rubi copper-por
target
- Diversify sovereign and geological m
Giant Mio-Pliocene gold deposits
- Discovery of the Atlas gold-silver tar
and Titan gold system
- Early success: Identified 9 wholly-ov
projects. Potential for new gold dist
- Excellent access and manageable
altitude
- Dynamic exploration in underexplored
region

New JV with First Quantum

Strategy: Achieved another JV with a senior partner to accelerate project advancement on Mirasol's 100% owned Rubi property

Terms with First Quantum:

- First Quantum to invest US\$6.5 million in exploration over 4 years to earn 55% interest
- First year exploration commitment of US\$1.5 million including magnetic survey and 3,000 meters of drilling
- US\$1.1 million in staged cash payments to MRZ with \$50,000 upon signing of definitive agreement expected in December 2013
- After 55% earn in, First Quantum may increase to 75% interest by declaring a "decision to mine" and will provide mine financing to MRZ, if requested by MRZ, at LIBOR +4%

Rubi's potential:

- Located in the premier porphyry belt of northern Chile, which hosts many world-class copper deposits such as El Salvador, Potrerillos and Inca Del Oro
- MRZ identified a number of drill targets including a 9 sq km Lithocap prospect of anomalous copper molybdenum and gold geochemistry, porphyry stockwork zone at Portezuelo, and the gold-silver vein target at Quebrada del Salado.

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Titan Gold Project, Chile



Titan Project: Attractive Attributes

Interest: 100% MRZ

Location: Favorable access and logistics – 4,200 meters elevation

Size: 5,500 hectares

Background: Titan was the first of several gold properties discovered in a new, emerging area

Structure: Trenching results indicated large gold anomalous system

- Coincident geophysical IP signatures support high-sulfidation gold system like La Coipa, Veladero, Pierina and Yanacocha

- Results highlights: 31 meters at 1.36 g/t gold and 10 meters at 2.13 g/t gold

Exploration outlook: 3,000 meter RC drill program commenced in 2013 on several targets

- New regional JV¹ increases exposure to additional 30,000 hectares

¹ with private Chilean company. JV agreement was signed in December 2012 and requires no cash payments from MRZ. MRZ is

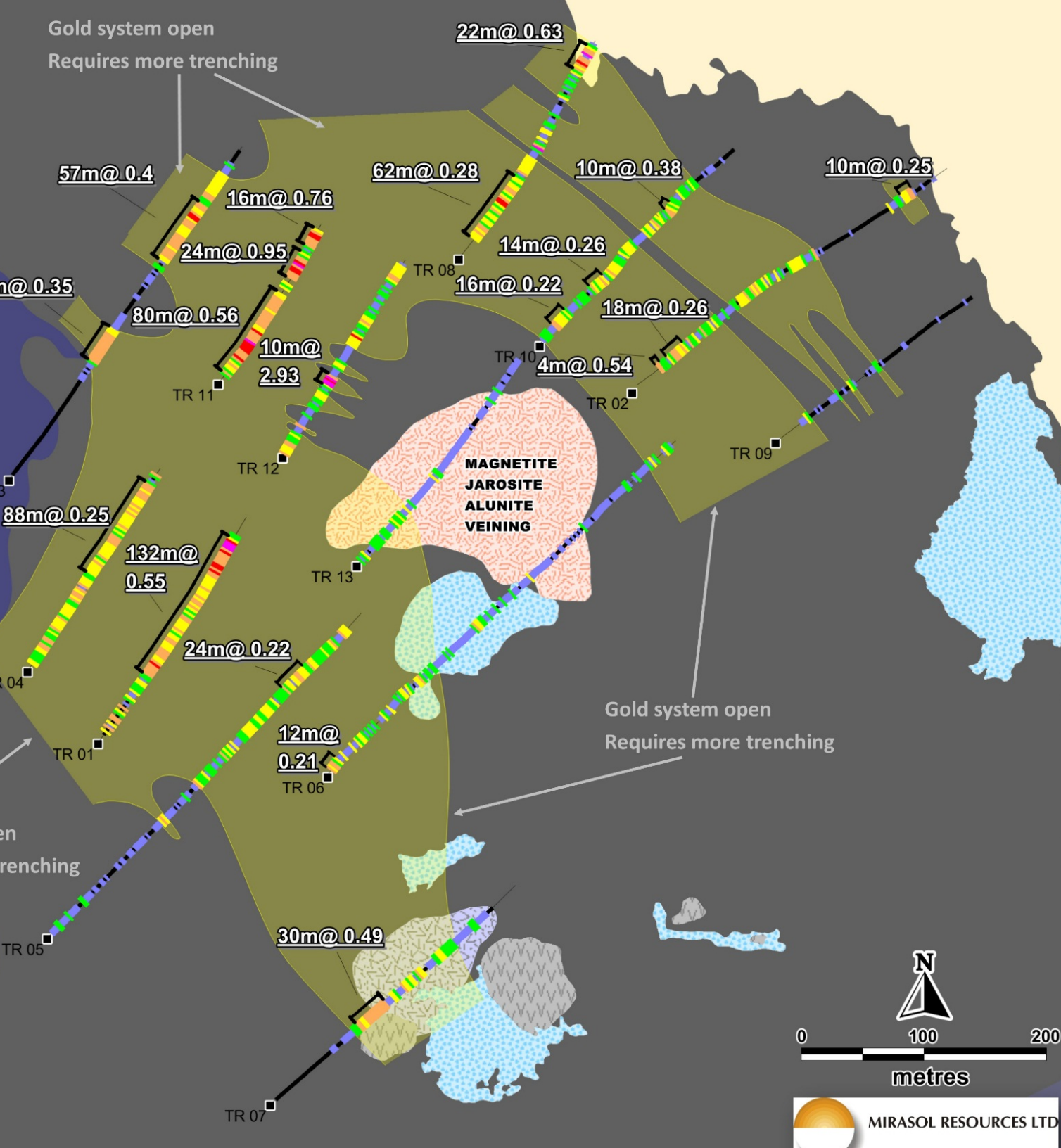


ject Trenches

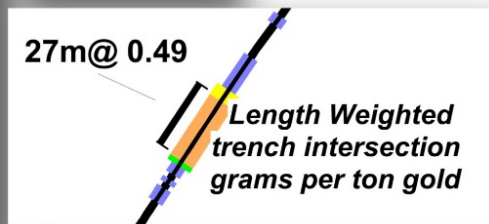
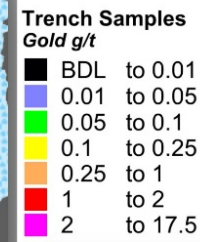


Titan
Alteration in trench





- Large high-sulfidation epithermal (HSE) gold
- New gold belt?
- Large surface foot print
- Dual target HSE / porphyry copper suggested



Legend

- Trench Collar Number (TR ##)
- Post Mineral Ignimbrite Scree
- Post Mineral Andesitic Colluvium
- Post Mineral Andesitic Flow
- Late Syn Mineral Domes
- Magnetite, Jarosite Alunite Veining
- Chalcedony/Opal Blanket
- Phreatic Breccia
- Altered Andesitic Host Sequence

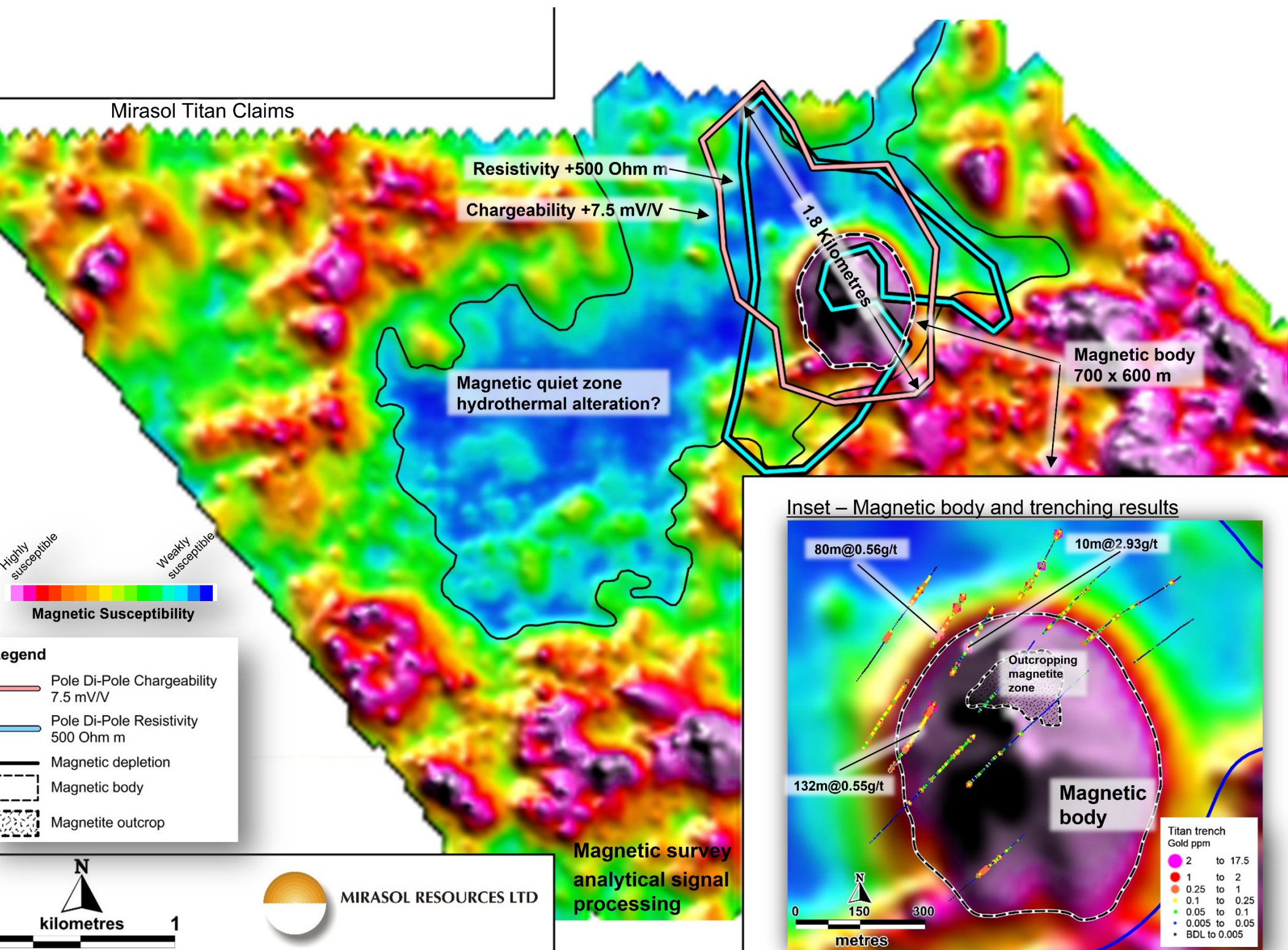


Figure 1 – Titan Project. Ground magnetic survey showing buried magnetic body and magnetic quiet zone

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Atlas Gold-Silver Project, Chile



Interest: 100%

Location: 10 km north of Titan

Size: 7,500 hectares

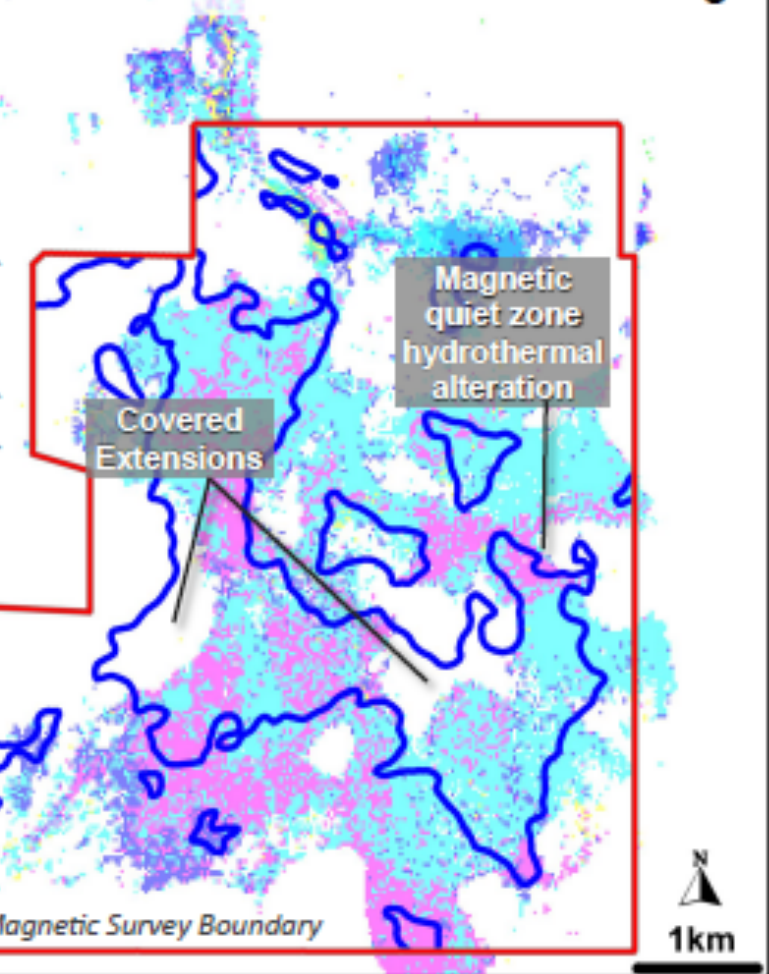
Background: Second high sulfidation epithermal gold system in the San-Atlas district

Structure: Large high sulfidation alteration signature.

- Evidence of “vuggy silica” and silica-alunite alteration in ribs and chips
- Sept. 16, 2013 trench results highlights: Hosts at-surface mineralization
 - 1.6 m of 7.3 g/t Au & 5.8 g/t Ag and**
 - 6.7 m of 2.33 g/t Au & 1.09 g/t Ag in gold zone**
 - 26.7 m of 0.02 g/t Au and 54.8 g/t Ag in silver zone**
- Gold and silver dominant zones in outcrop and subcrop

Exploration outlook: Trenching program completed; very encouraging gold and silver assays on structures and large alteration zone.

Atlas ASTER Alteration Processing



Legend

ASTER Alteration

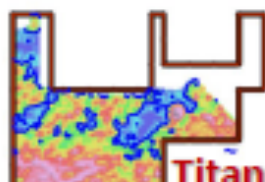
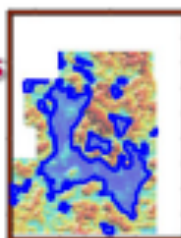
- Alunite
- Illite
- Kaolinite
- Pyrophyllite

Limit of magnetic survey

Magnetic ASVI Lows

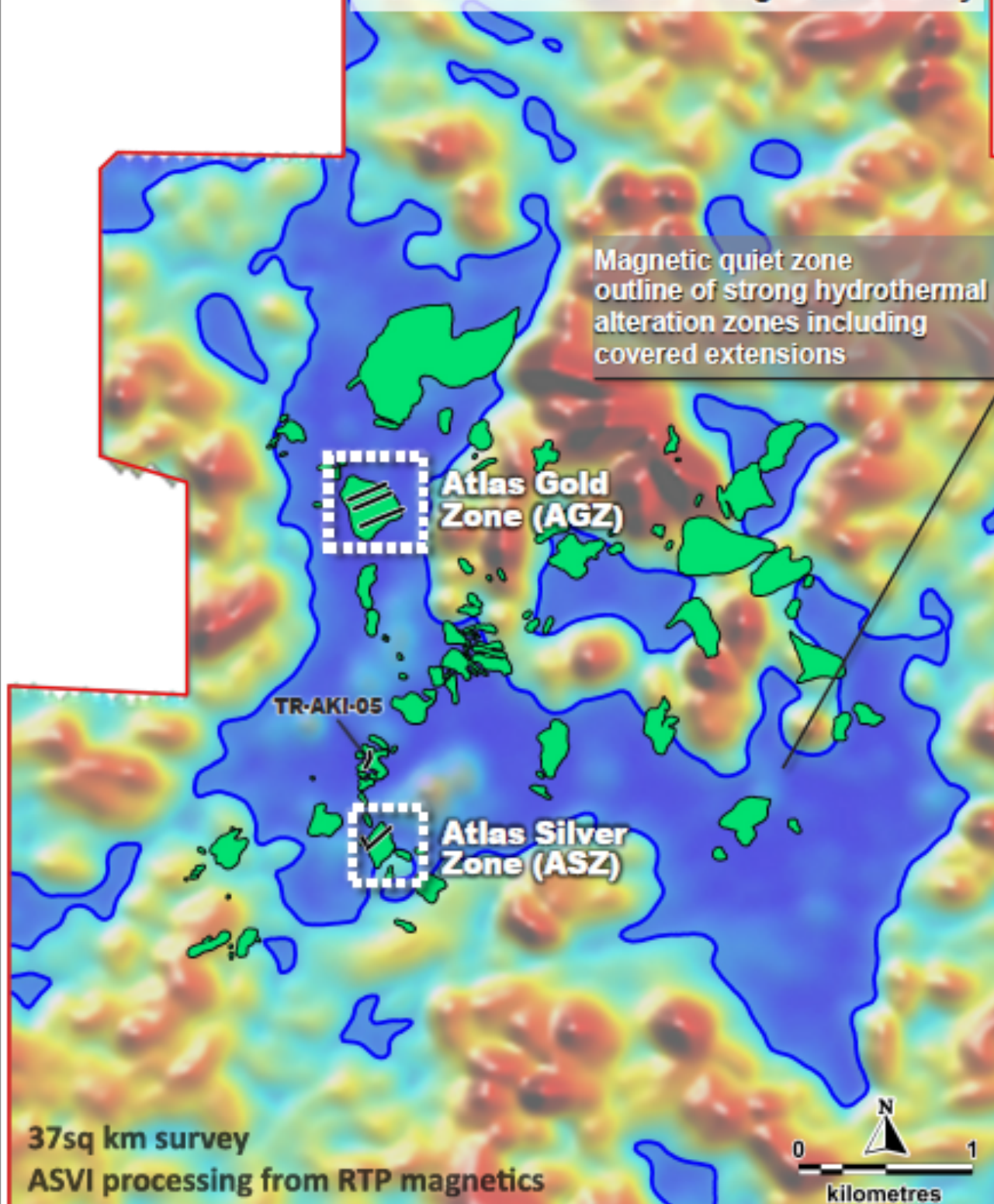
Location Overview

Atlas



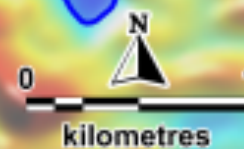
Titan

Atlas Detailed Walk Magnetic Survey



37sq km survey

ASVI processing from RTP magnetics



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Claudia Gold Project, Argentina



Virginia-Santa Rita:

- Metallurgical studies in
- Independent code com
- within pit resource – in
- Property reconnaissance

Claudia:

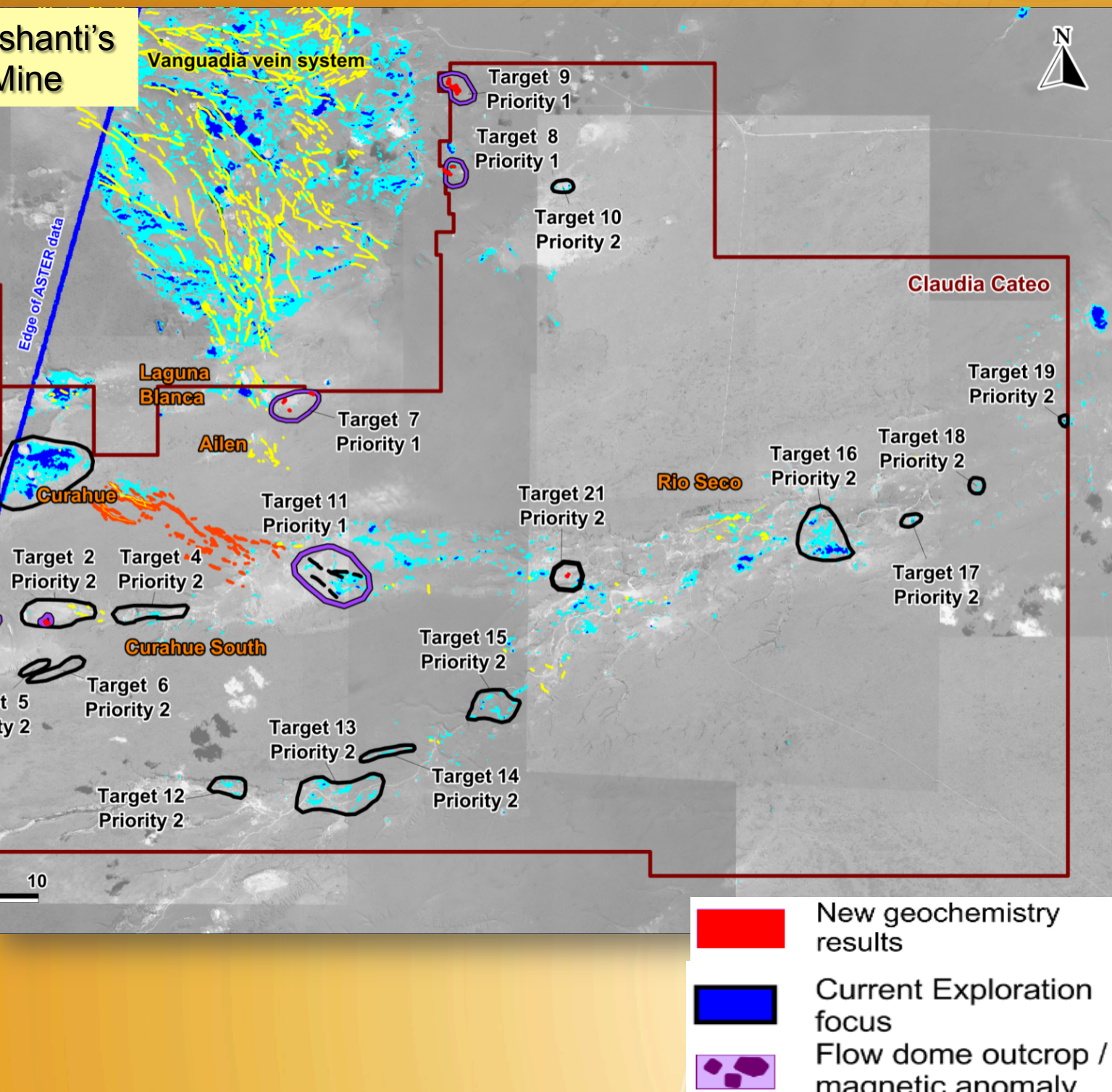
- +3,000m Trenching Pro
- Curahue, Alien & Rio S
- targets
- Project-level data analy
- targeting: Mapping, sam
- geophysics of target are
- progress

La Curva

- Integrated analysis & ta
- program
- New walk mag PDP su
- complete.
- Detailed mapping & sam
- underway
- Curva West & South-W
- targets: Ongoing prosp
- reconnaissance gradien
- covered targets

Targeting JVs.

Extension of Cerro Vanguardia, a world class vein system



CLAUDIA: Extension of the Vanguardia vein system, AngloGold Ashanti's Cerro Vanguardia Vein Mine

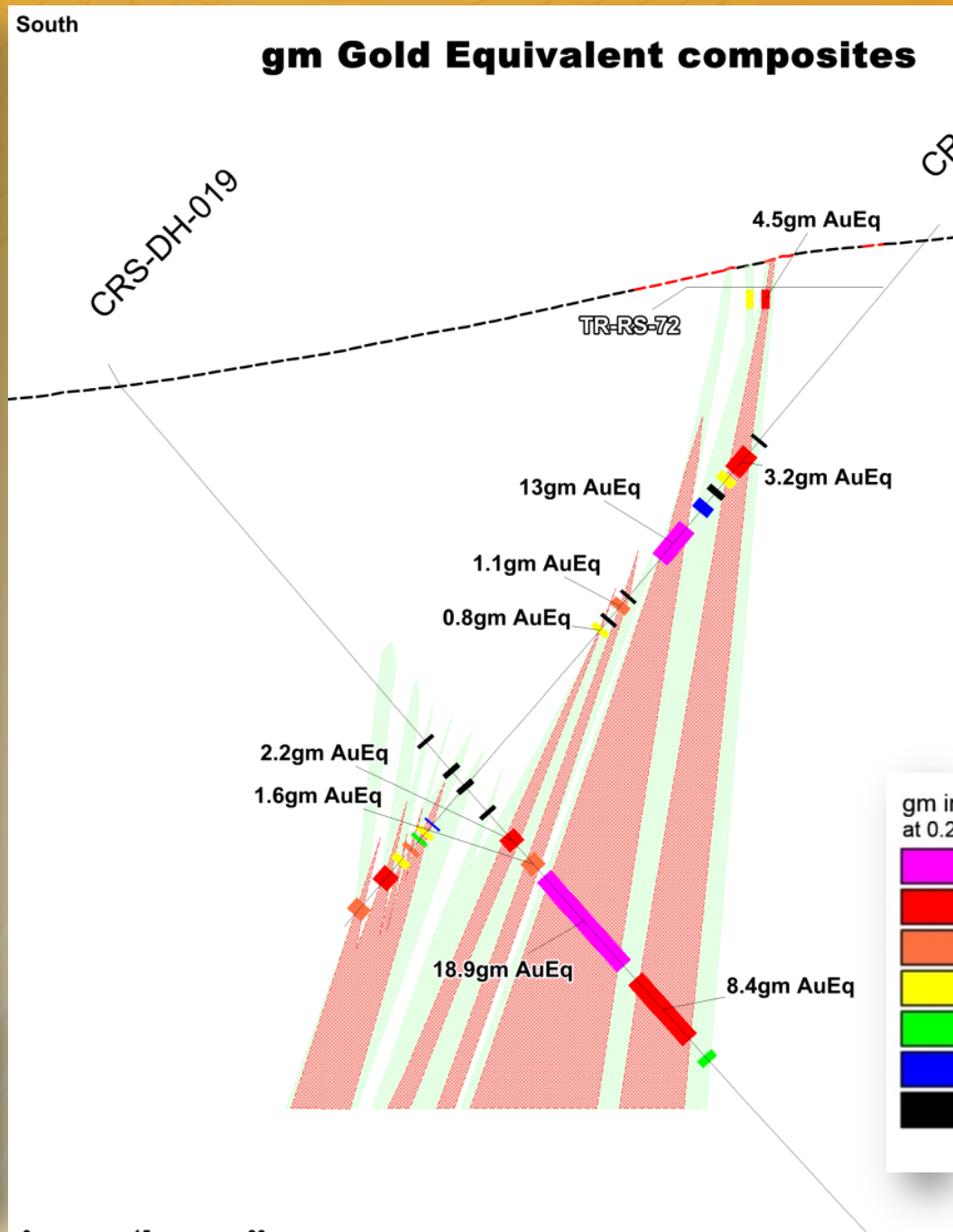
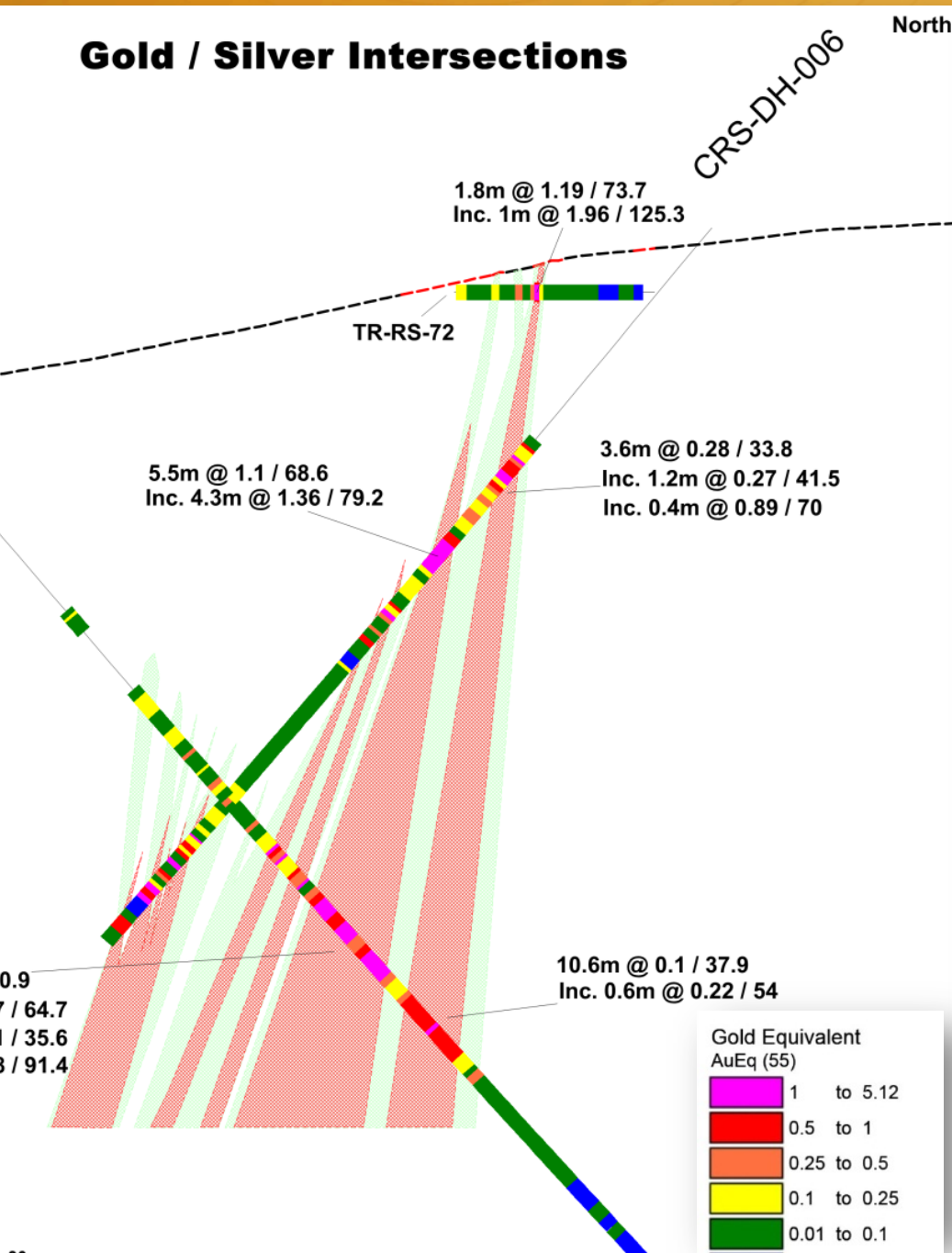
- Global resource of 8 Moz gold & 117 Moz silver
- Mineable resources: 1.5 Moz gold & 94 Moz silver
- Profitable, Open Cut
- Underground development

Cerro Vanguardia Mine production for 11 months ended Dec. 2011 = 196,000 oz gold equiv. at US\$390 / oz

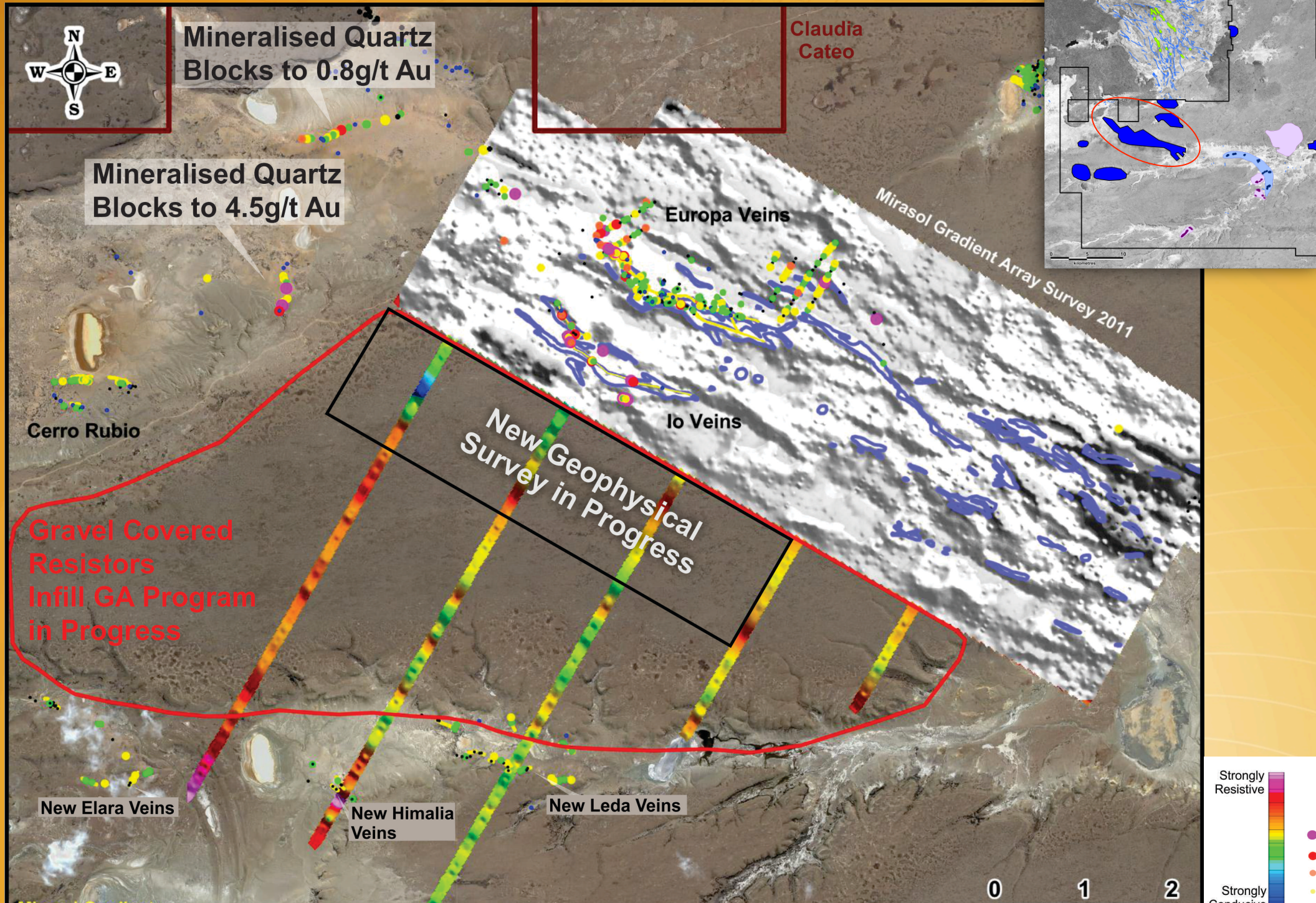
Production:

- 13 open pits
- Underground 2011 production projected 2.8 Mt @ 0.5 g/t gold
- Reported gold head grade for 6 mths ended Jun 2013 of:
 - Underground 6 g/t
 - Open pit 1.5 g/t

Veins developed at top of productive Chon Aike Fm – preserved
 Vein texture & alteration mineralogy consistent with top of system
 Gram meter Au Eq intersections point to higher wide shoot at depth

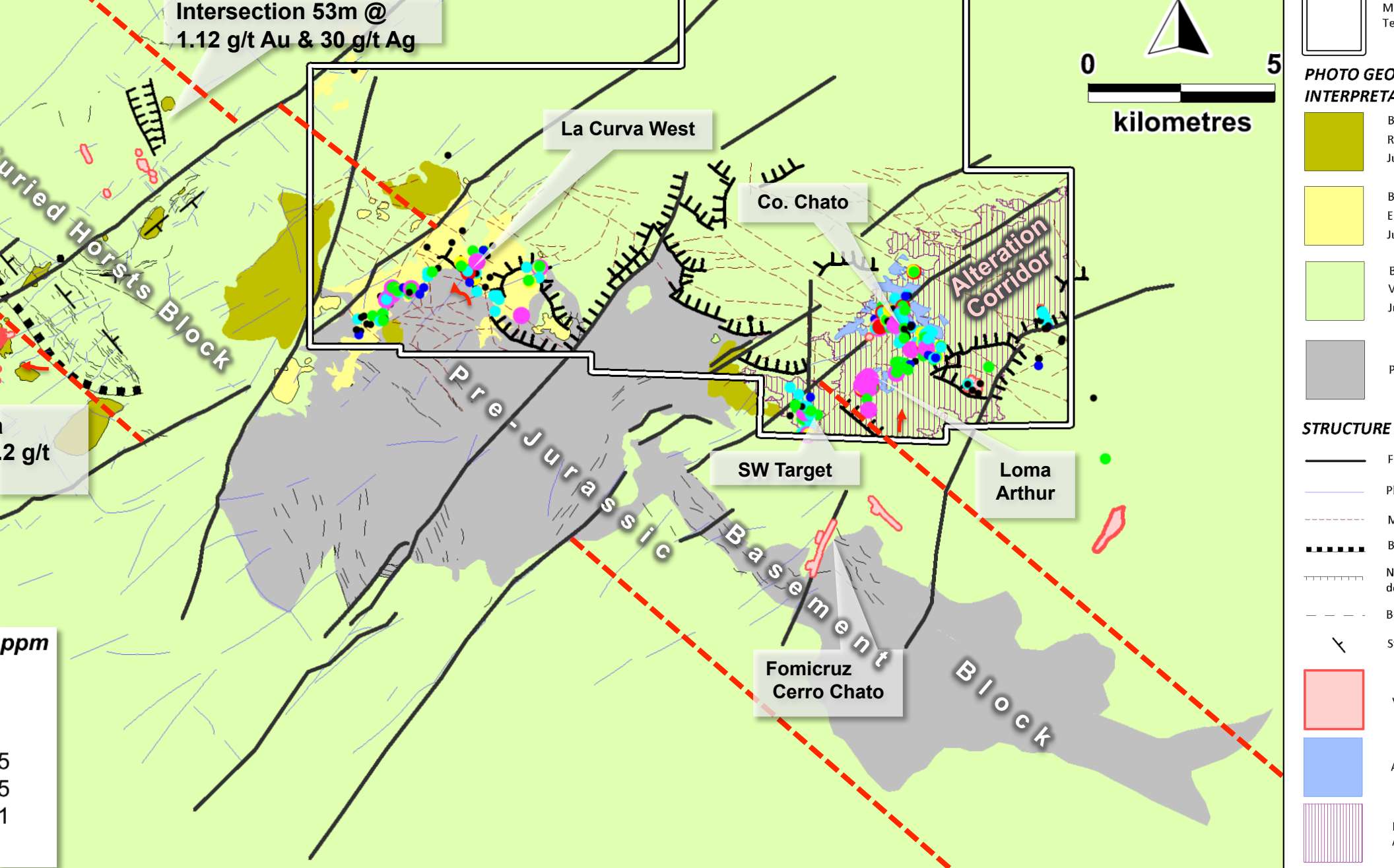


New IP Gradient Array Survey in progress to identify covered source. New veins identified



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La Curva, Argentina



old district interpreted as a regional-scale horst & graben style block. The horst block is interpreted to continue u
e NW where the possible block bounding faults may have influenced the emplacement of the Calandria/Falcon ar
ion.

old project – Two prospect areas defined. No previous drilling.

ast: 5.4 km gold trend. Series of prospects outcropping through shallow gravel cover: El Pison, Co Chato, Loma

Investment Drivers

ing value to “Head Line” projects

ubi copper-gold JV, Chile –
dvancing with up to US\$6.5M in
ploration expenditure by partner



las gold-silver project, Chile – Following up on positive trenching results

an gold project, Chile – Preparing for drilling

egional JV with Chilean group – Consolidating properties around Atlas and T

audia gold-silver project, Santa Cruz province – Surface exploration contin
spect to JV.

a Curva gold project, Santa Cruz province– Aggressive surface exploration

first: Targeting giant Mio-Pliocene gold deposits. Titan and Atlas headline
jects. Achieved early success from pipeline of properties.

a Cruz province, Argentina: Deseado Massif epithermal high grade vein & b
able targets. Many projects available to JV to diversify risk profile.

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Appendix

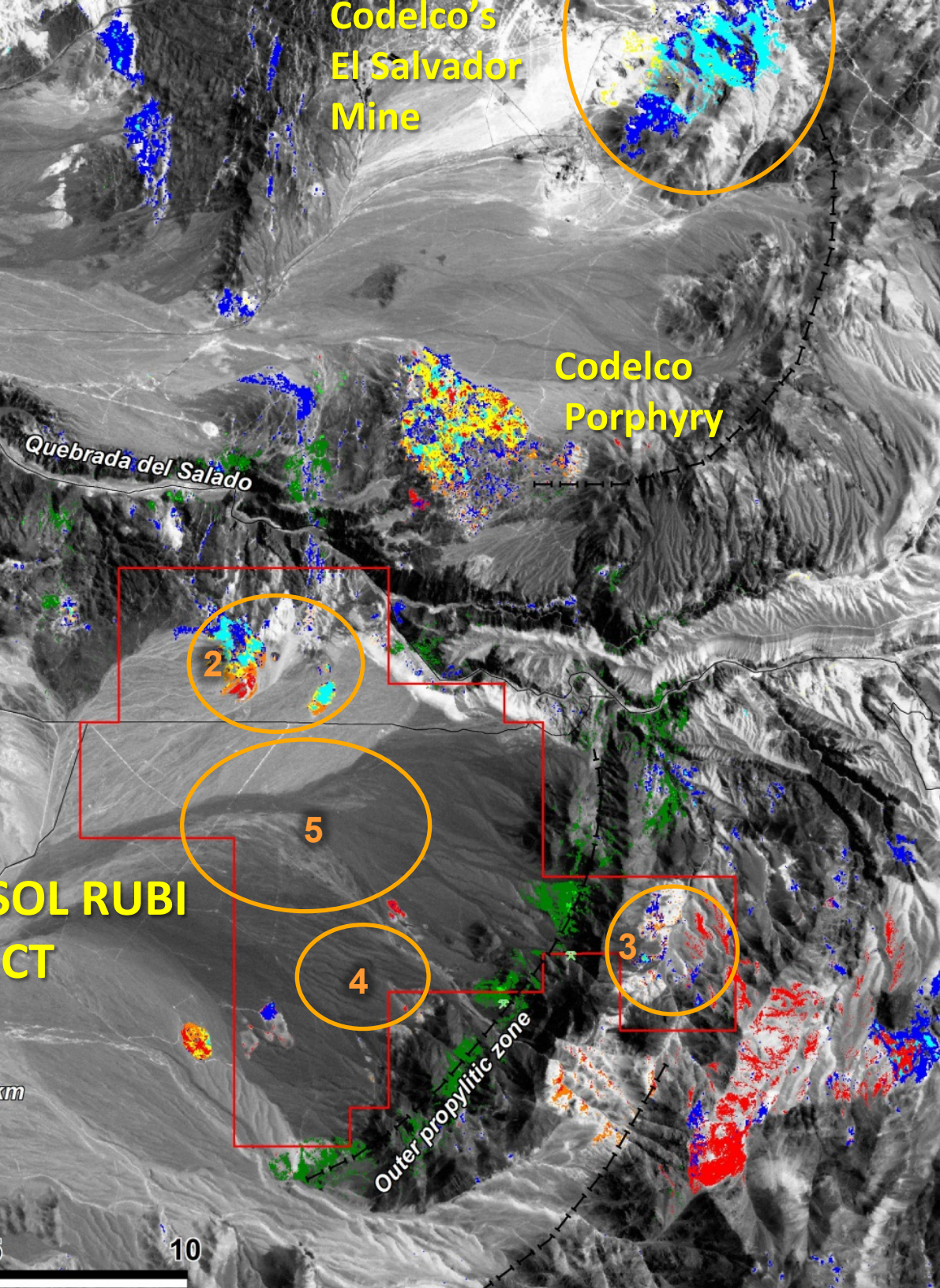
Joaquin Silver Project Sold to Coeur

- Initial Mirasol generative exploration discovery – 2004-2005
- Mirasol / Coeur Mining JV formed – 2007
- Coeur vested 51% interest – Nov. 2010
- Coeur was earning-in to 61% for Bankable Feasibility (est. 2013)
- Two zones identified, La Morocha & La Negra demonstrated growth in resources
- 42.04M oz silver equivalent in M&I and 32.79M oz silver equivalent in Inferred Resources

2

- Sold 49% interest to Coeur – Dec. 21, 2012

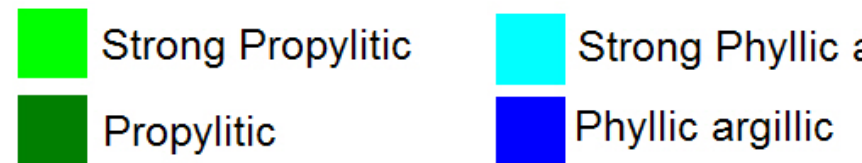
MRZ monetized its project generation success

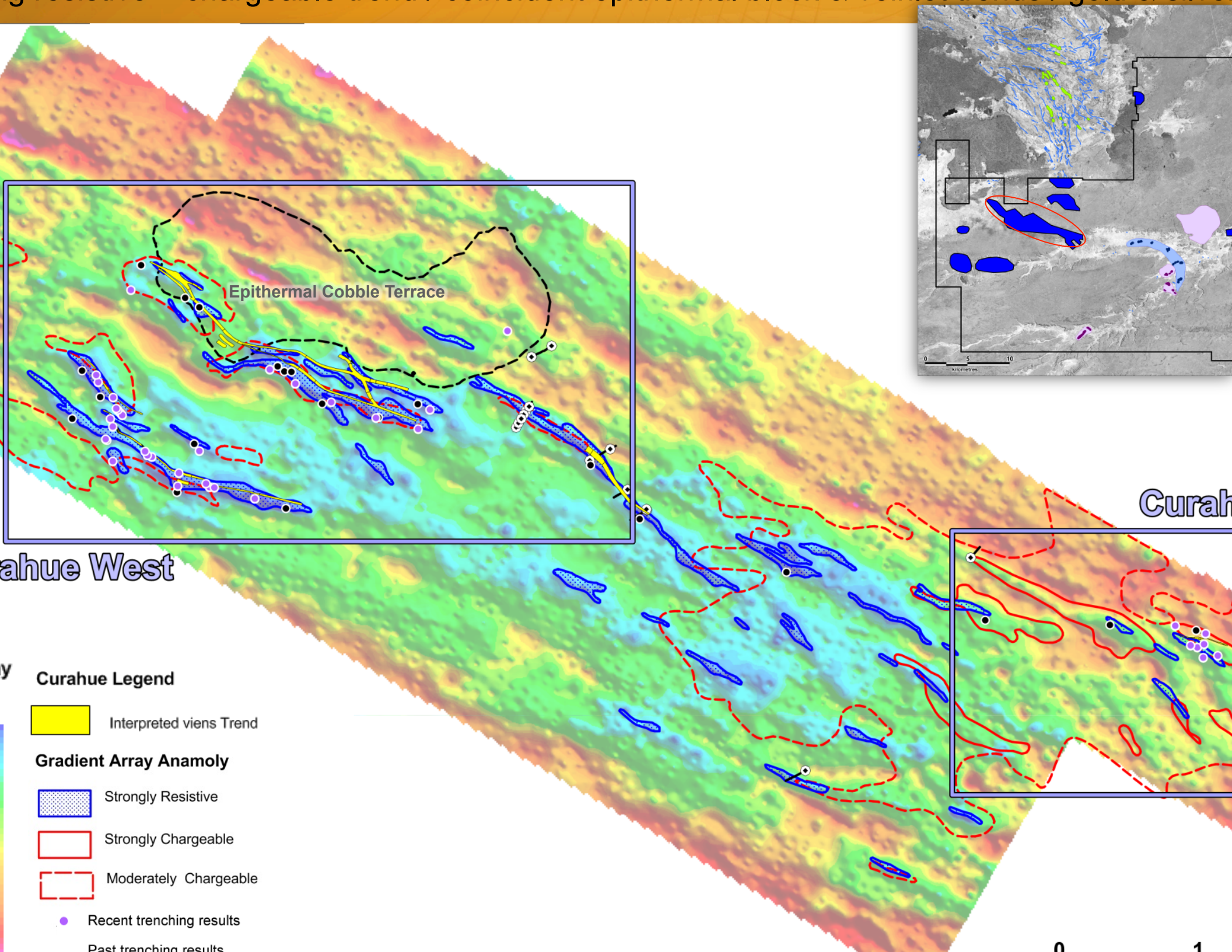


Regional Setting & Aster Alteration

1. **Codelco's El Salvador Cu Mine.**
Phyllic Argillic Alteration. 12.2 Moz Au
3.2 Moz Au
2. **Lithocap Target**
Advanced Argillic Alteration
Cu-Mo-Au
3. **Portezuelo Prospect**
Argillic-Phyllic Alteration
Cu-Mo-Au anomalous STK
4. **Corner Zone**
K Alteration, Qz-mgt, Qz Tour S
Cu-Ag-Pb
5. **Covered Porphyry & Exotic Cu T**

Aster Alteration





Epithermal Cobble Terrace

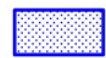
Curahue West


Curahue


Curahue Legend


 Interpreted viens Trend

Gradient Array Anamoly

 Strongly Resistive

 Strongly Chargeable

 Moderately Chargeable

 Recent trenching results

 Past trenching results