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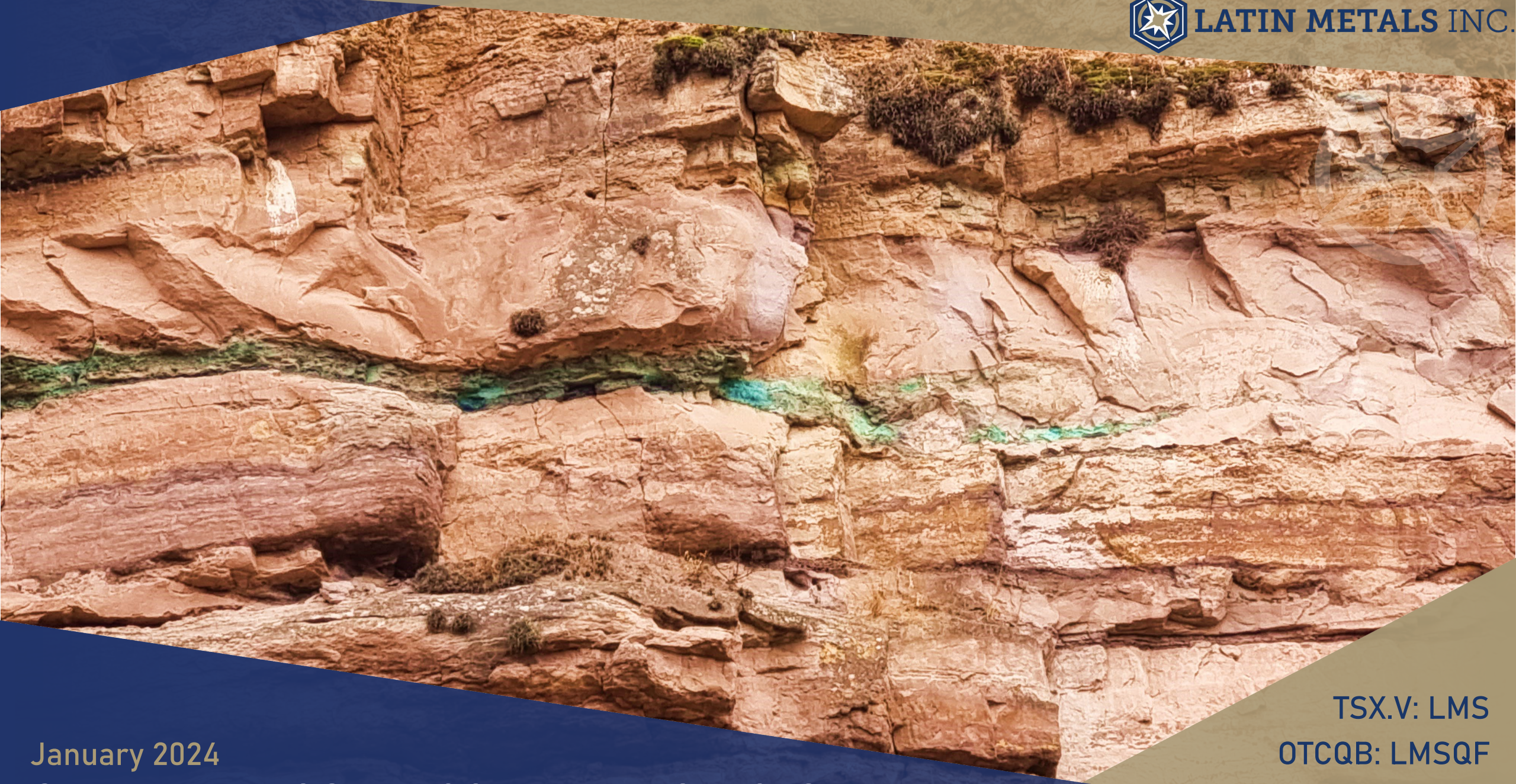


TSX.V: LMS

OTCQB: LMSQF

January 2024

SEDIMENT-HOSTED COPPER PROJECTS

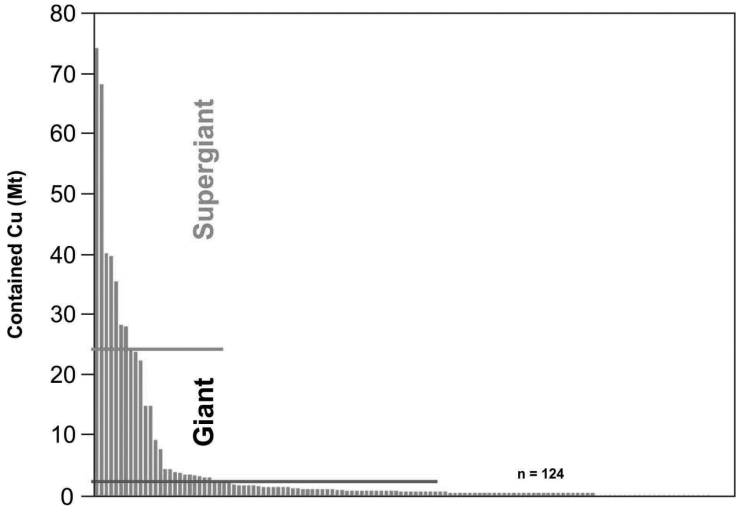
Highlights

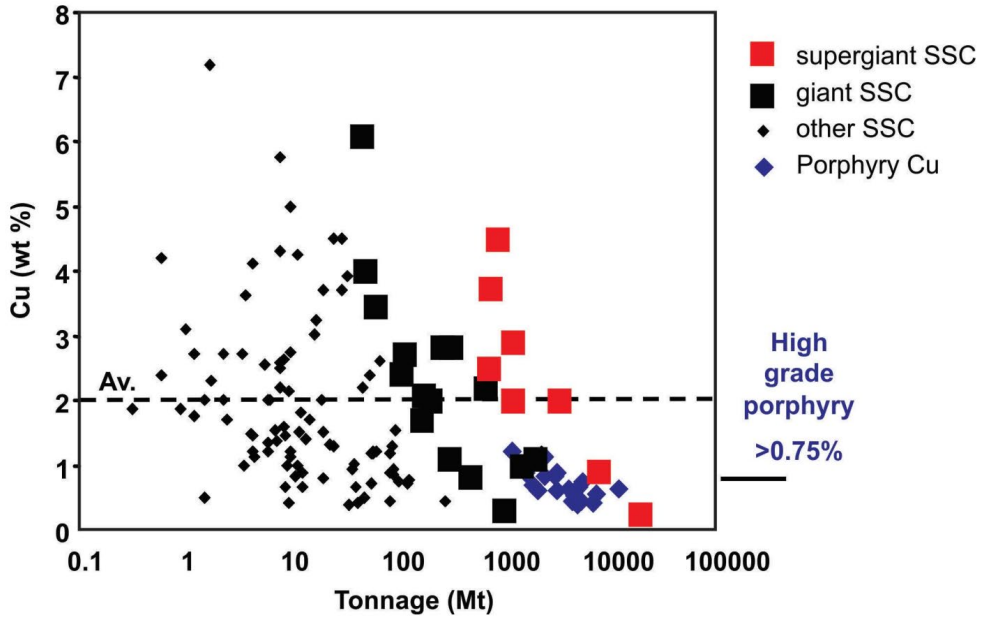
- First mover advantage for Latin Metals, holding >90% of prospective ground
- 515,000-hectare project is 100%-owned by Latin Metals Inc. subsidiaries
- Sediment-hosted copper deposits tend to be high-grade and large tonnage – attractive to potential major company partners

- Projects located in Salta and Juyay Provinces, northwest Argentina
- Low elevation, moderate topography, road accessible, with year-round access

- Stream sediment screening planned across all projects. Approximately 60% of Mirador project complete, with plans to complete all projects in H1 2024.
- Rock chip sampling is undertaken where copper mineralization is identified at surface.
- Regional geophysics and hyperspectral surveys planned.

Why Sediment-Hosted Copper?





- 23% of global copper production* (~500 Mt copper) and 10% of known resources* (~176 Mt copper)
- Important sources of silver and cobalt – with variable lead, zinc, uranium, nickel, PGE, and gold credits
- 25% of deposits contain silver credits and 14% contain cobalt credits (usually not both)
- 7% supergiant deposits (>24 Mt contained copper) and 5% giant deposits (>2 Mt contained copper)
- Best Examples : Central Africa and Kupferschiefer belts.

Belt	Average Grade	Thickness	Copper Resource
Central Africa Copper Belt	1.6% Cu	5m to 50 m	150MMt
Kupferschiefer	3% Cu	0.1m to 50m	79MMt

Modified from Zientek, Hayes and Taylos (2013)

(*)from Assessment of Undiscovered Copper Resources of the World, 2015

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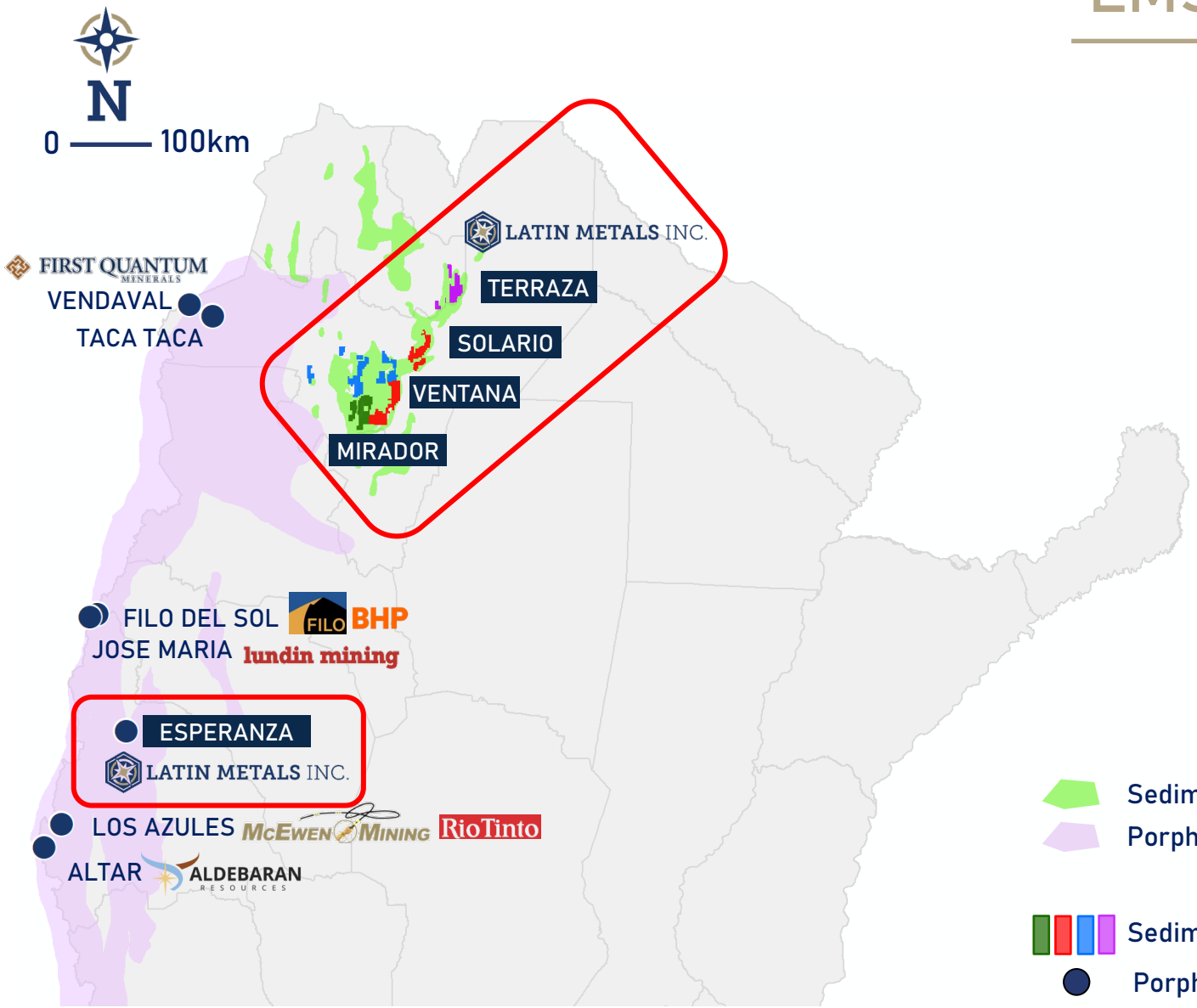
LMS Copper Interests in Argentina



- Within northwest Argentina's porphyry belt, Latin Metals has an option to acquire a 100% interest in the Esperanza copper-gold porphyry project, located in San Juan Province. In 2024, Latin Metals is seeking a partner to advance this advanced porphyry exploration project.
- Within the Cretaceous sediment-hosted copper belt, located in Juyay and Salta Provinces, Latin Metals has a dominant 500,000-hectare land position. Mirador, Ventana, Solario, and Terraza projects. Planned to advance through Phase II exploration during 2024.

Sediment-Hosted Copper Belt.

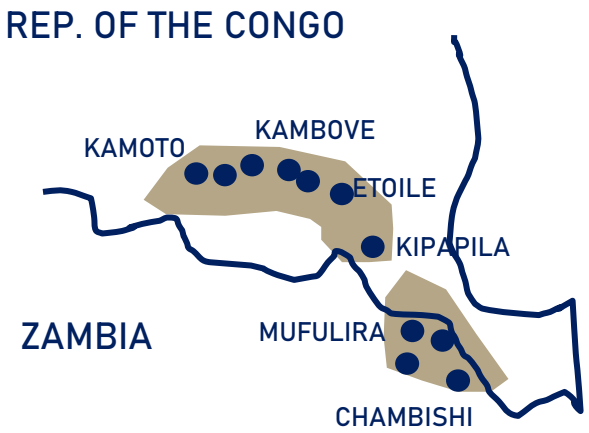
Porphyry Belts

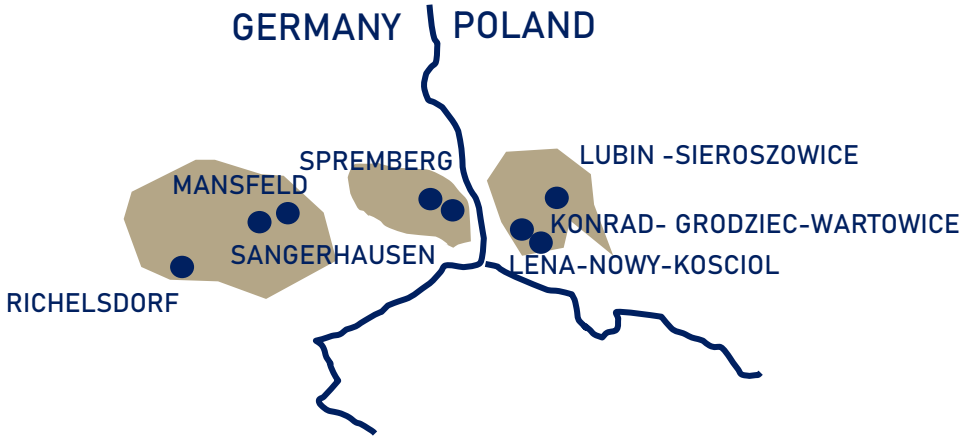
Sedimentary copper projects 100% Latin Metals Inc

Porphyry advance stage projects

(*) from USGS report 2010-5090-T , (**) SEG. Special publication 16

Belt Scale





0 ——100km

N

Central Africa Copper Belt (Zambia, Rep. of Congo)

- ~152 Mt copper resources(*)
- 20% of the world's copper production.
- Copper production from 1930

Europe Kupferschiefer (Germany-Poland)

- ~60 Mt Copper produced (**)
- Copper production from 1970

Argentina Sediment-Hosted Copper Belt

- 90% of prospective land held by LMS.
- 100% owned
- 550,000-hectare land package

Exploration Criteria

- FAVOURABLE HOST ROCKS

Sediment-hosted copper occurrences are focused within the Balbuena and Pirgua subgroups within the larger Salta group where facies are dominated by shales, sandstones, limestones and evaporites.

This stratigraphic column and facies distribution is very similar to the *Roan Group* in Central Africa and in the *Zchestein Group* in the Kupferschiefer copper belt.

- STRUCTURAL CONTROL

The Salta group is folded and faulted with a prevalent southeast-southwest trend believed to play a crucial role in the migration of basinal brines and the formation of sediment-hosted copper deposits

- REDOX BOUNDARIES

The Salta Group includes contrasting red beds and rich organic shales as well as evaporitic levels trough time, providing multiple redox boundaries within the stratigraphy column creating stratigraphic traps for copper enrichment.

- HISTORICAL COPPER MINING

The Salta group contains several historical occurrences at various stratigraphic levels within the Pirgua and Balbuena subgroups, which informs us which portions of the stratigraphy are most fertile.

There are likely to be other levels in the stratigraphy which are as yet unknown.

Next Steps

- GEOCHEMICAL PATHFINDERS

Planned geochemical screen of the 550,000-hectare land package will be completed using stream sediment sampling. With every drainage basin sampled, LMS will be able to focus its efforts and vector towards highest priority target areas for follow-up work.

- HYPERSPECTRAL SURVEY

Hyperspectral studies can help to identify altered zones as well some type of mineralization (oxide copper) across very large areas. It also allows detailed structural interpretation that can help to identify high potential deformed zones for follow-up exploration.

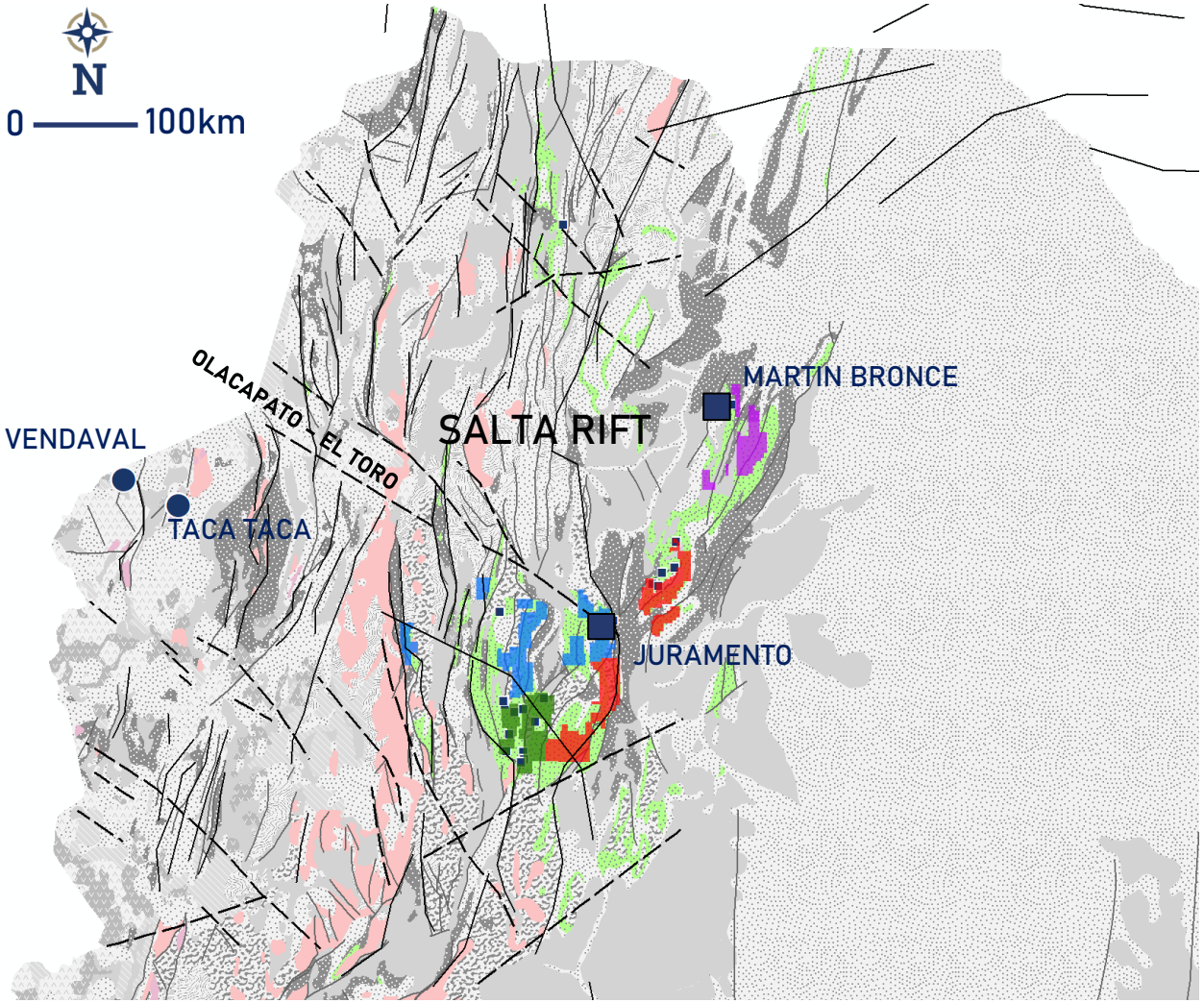
- GEOPHYSICAL SURVEYS

LMS will review a range of potential geophysical techniques for regional assessment, including electromagnetic and magnetic surveys.

- REGIONAL STRUCTURAL ASSESSMENT

Structural assessment may be undertaken through interpretation of satellite imagery. Assessment of existing seismic data is also possible if LMS can secure access to existing datasets acquired by the petroleum industry.

Mineralization Events



Regional Geology by SEGEMAR

- Cretaceous: Martin Bronce and Juramento deposits are Cretaceous in age (86-100 Ma).

Copper Porphyry advance projects

Sedimentary copper occurrences /projects

Latin metals projects

Regional Lineaments

Normal faults

Trust faults

Salta Group

Felsic volcanics

Mafic Volcanics

Fine sediments

Calcareous Package

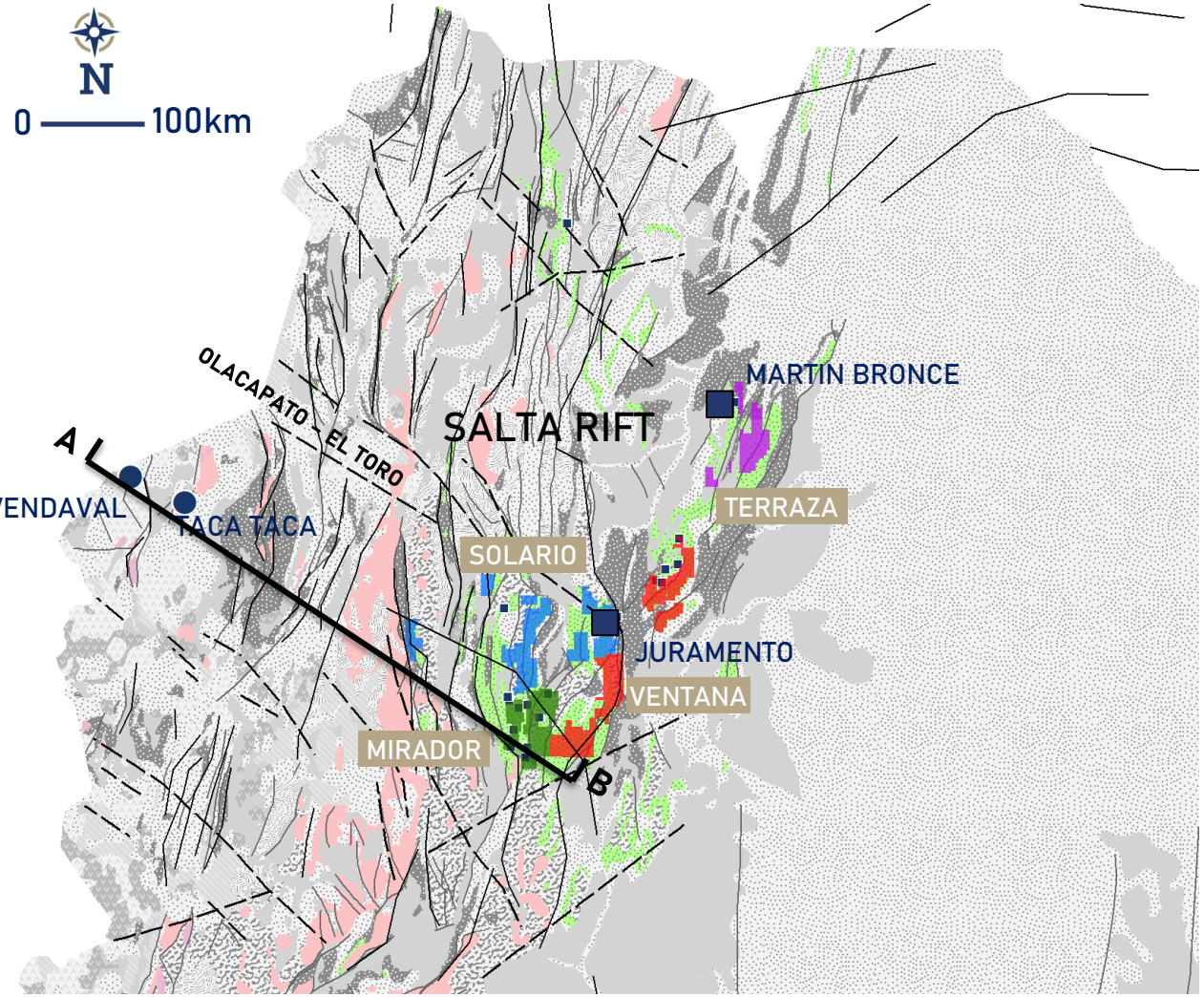
Fine Sediments

Conglomerates

Intrusive

Note: Martin Bonce & Juramento deposits are located outside of the LMS land position.

Copper Endowment



- Martin Bonce deposit: historical resources of 80,000t copper
- Juramento deposit: historical resources of 44.7Mt @ 0.85 copper and 21.8 g/t silver
- The remainder of the belt is underexplored; many of the historical occurrences have never been followed up with any modern exploration.
- Moreover, LMS has discovered copper occurrences that are not recorded in any database and appear to be previously unknown.

Copper Porphyry advance projects

Sedimentary copper occurrences /projects

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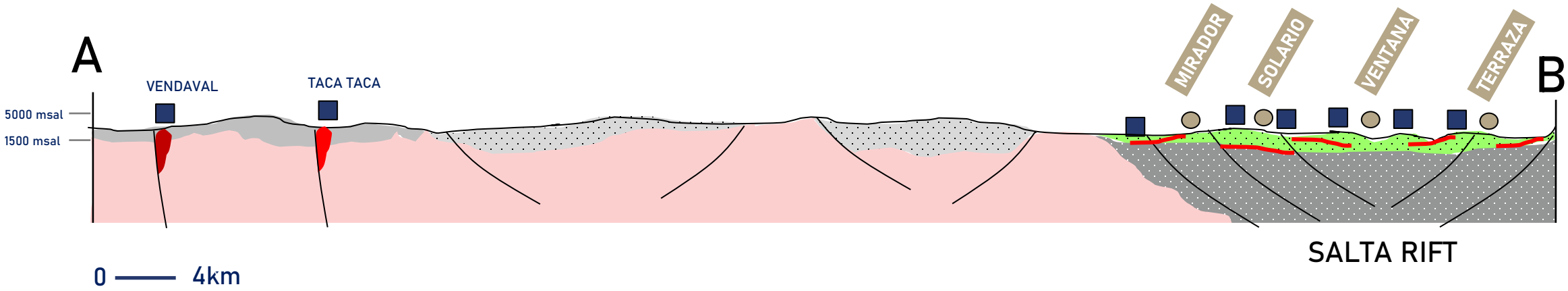
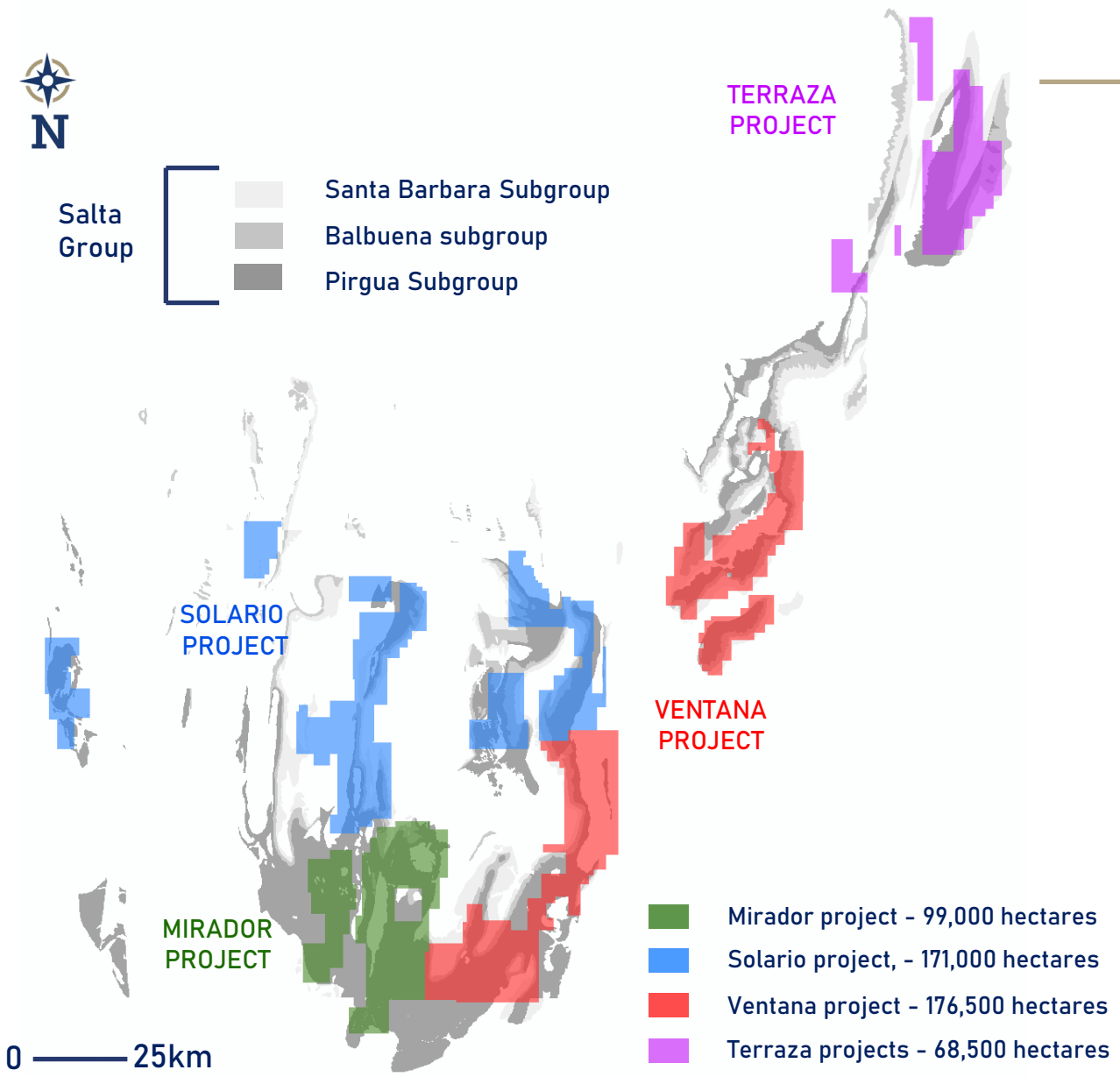
Schematic Cross Section



- Latin metals Mirador project
- Copper Porphyry advance projects
- Sedimentary copper occurrences /projects
- Miocene porphyry copper mineralization
- Oligocene Porphyry copper mineralization
- Cretaceous sedimentary copper mineralization
- Volcanics
- clastic / calcareous sediments
- clastic / calcareous sediments
- Basement / conglomerates
- Intrusive

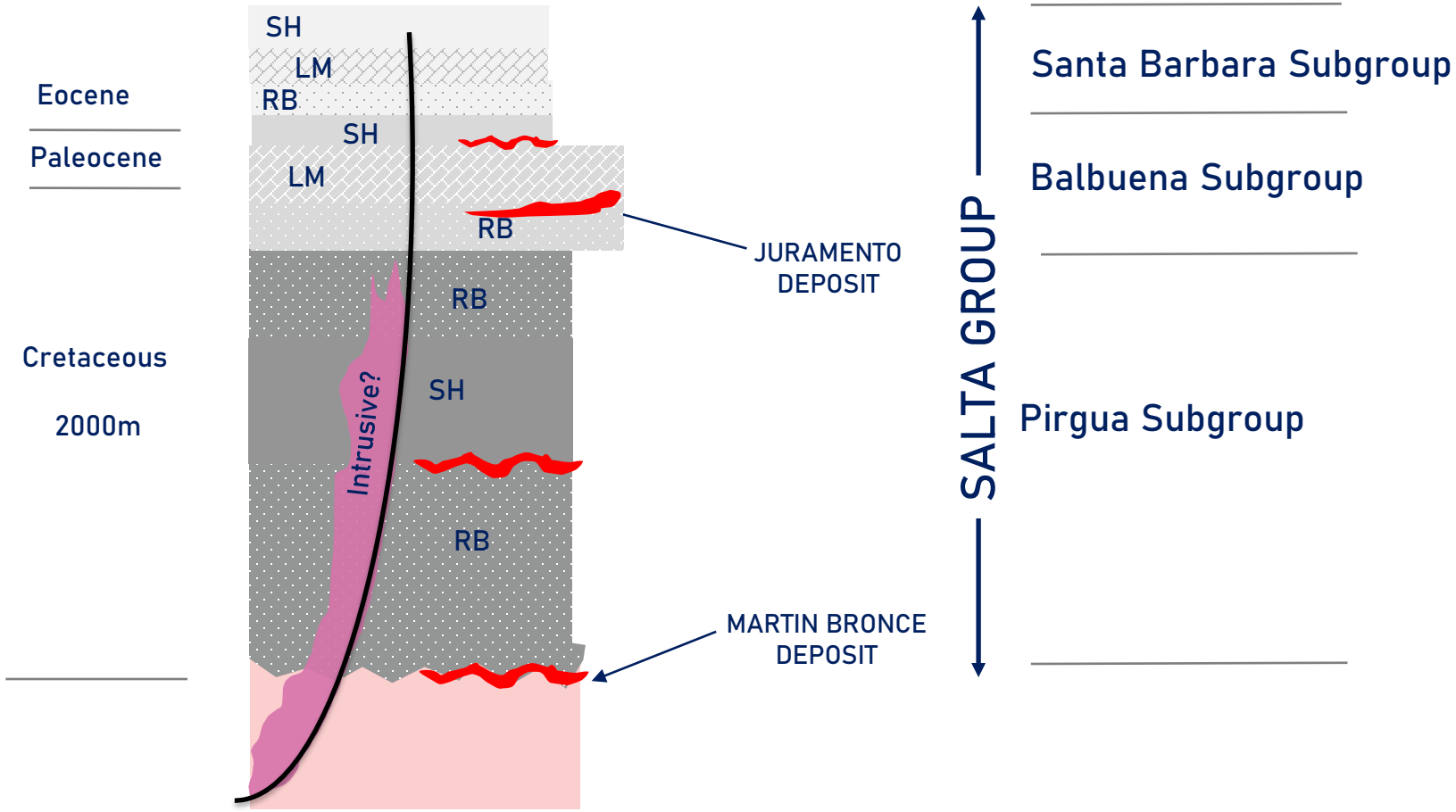
Land Position



- The Salta Group is divided in three subgroups:
  - The Lower and Upper Cretaceous Pirgua Subgroup
  - The Upper Cretaceous to Paleocene Balbuena Subgroup
  - The Paleocene to Eocene Santa Bárbara Subgroup.
- Pirgua and Balbuena subgroups are known to host copper mineralization.
- Three known stratigraphic levels of copper mineralization within the Salta Group. Most of the belt unexplored so it is likely that other stratigraphic levels will be mineralized.

Note -- Land position held as applications which are in the process of being converted to Cateos. LMS land position will not be 100% confirmed until all applications converted to Cateos, and LMS cannot guarantee 100% conversion.

Stratigraphic Column



Several levels of mineralization can be found within Latin Metals land position as the area includes all subgroups of the Salta group.

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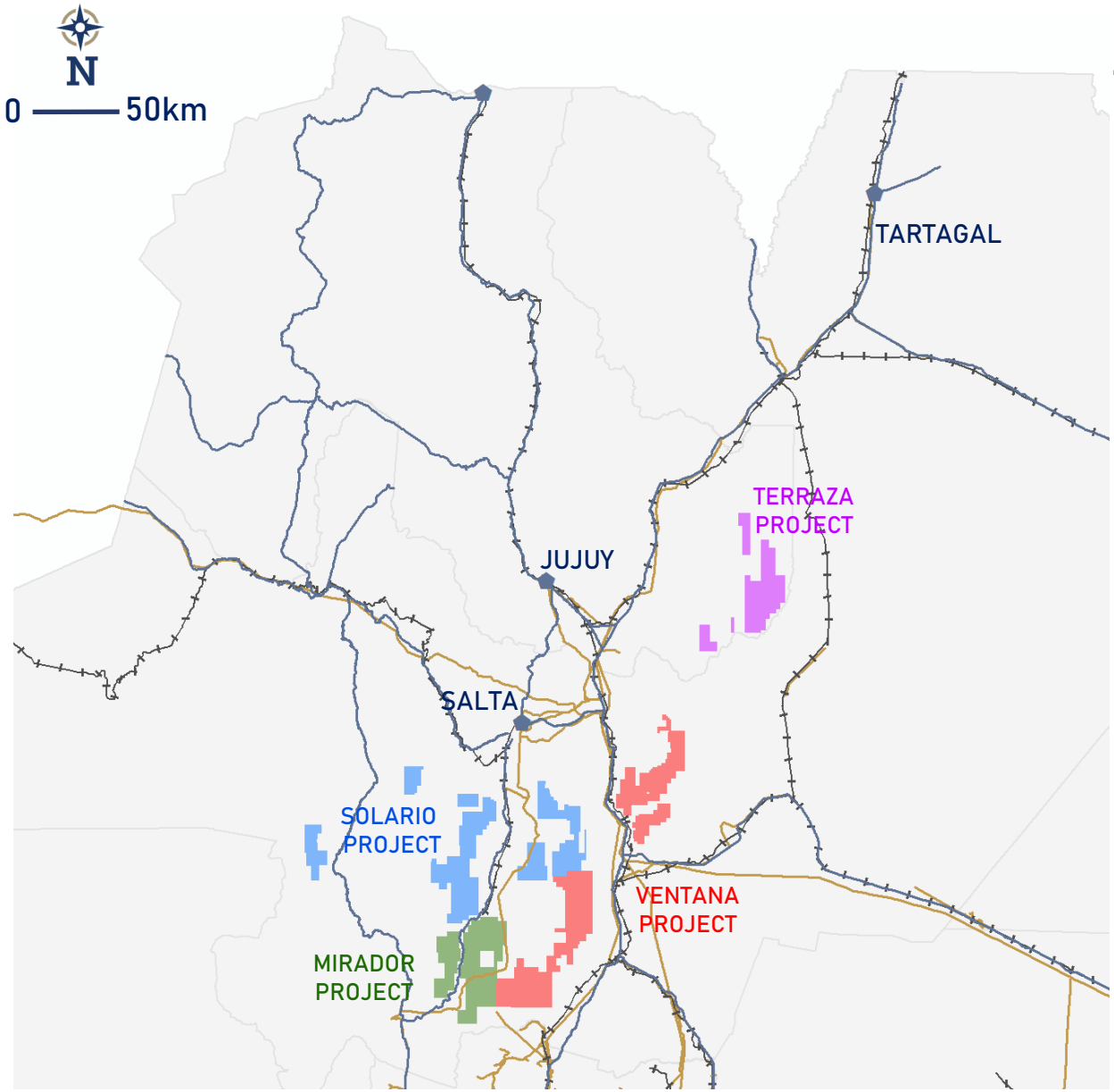
Infrastructure

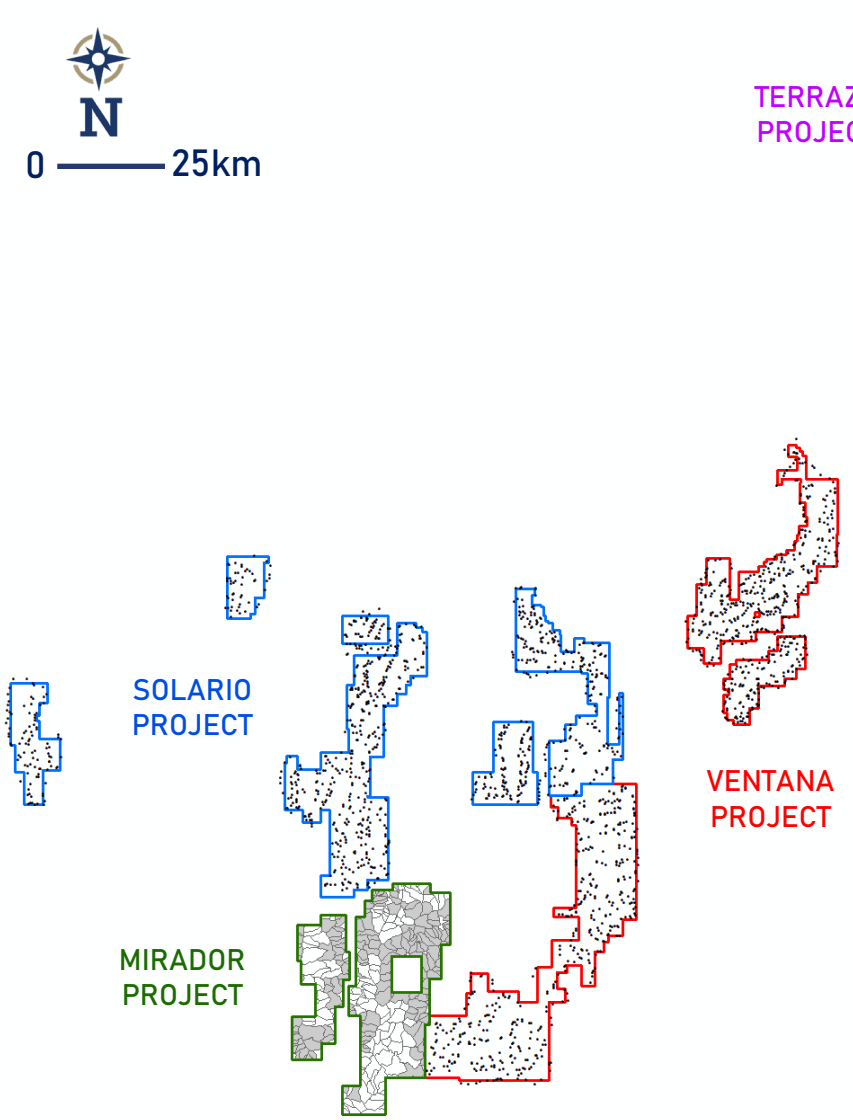


- The project is located in Salta and Juyay provinces.
- Road accessible year-round.
- Extensive power distribution network serving mining industry and agriculture.
- A total of 515,000 hectares

Cities
Roads
Electrical Grid
Railroad

Mirador project, 99,000 hectares
Solario project, 171,000 hectares
Ventana project, 176,500 hectares
Terraza projects, 68,500 hectares

Stream Sediment Program



- The stream sediment survey is the first layer of regional information we are taking in the district as no regional information is provided by the government.
- The total survey will include approximately 1500 samples.

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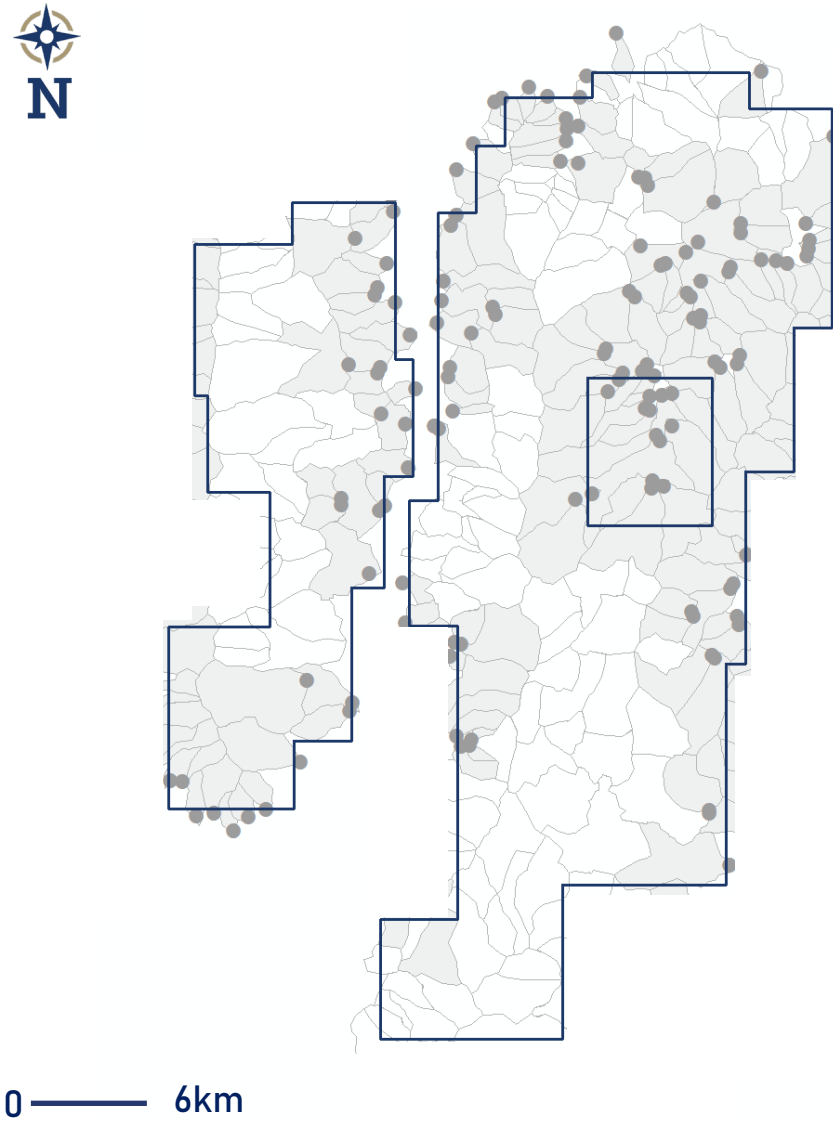
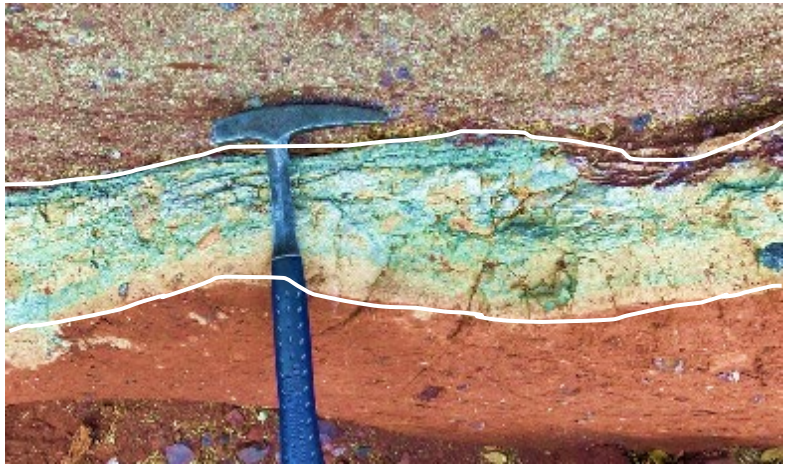
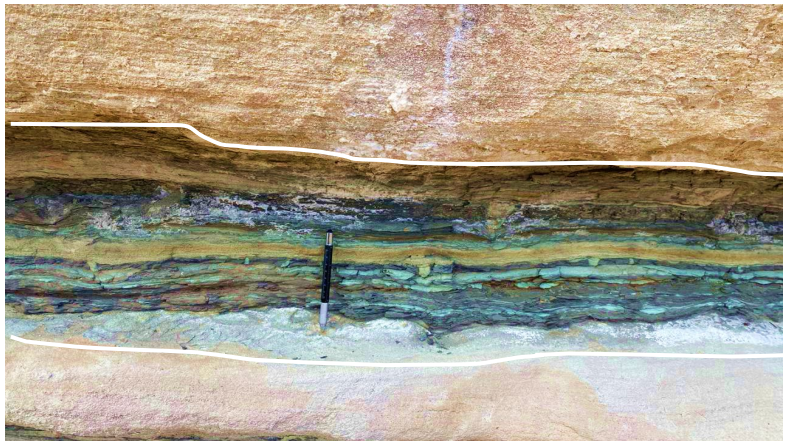
Mirador Project Stream Sediment



- In the initial phase in 2023, we completed 196 samples covering 60% of the are related to Mirador project
- Samples collected but no analysis completed as yet. Initial screening by portable XRF expected to be completed in Q1 2024 and through the remainder of the sampling program
- This survey also helped with mapping of structural trends
- Rock chip sampling was undertaken during drainage sampling (next slide)

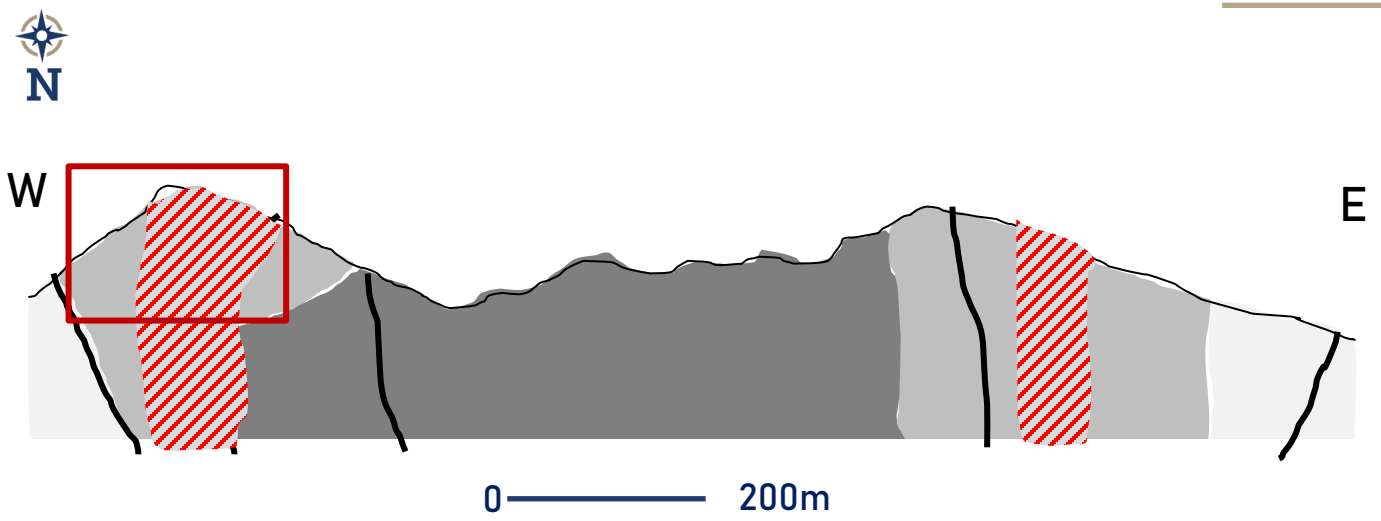
Mineralization at Mirador



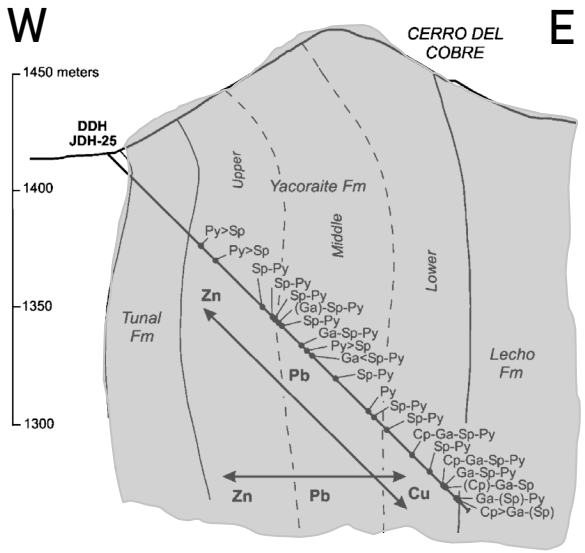


- Sediment-hosted copper mineralization is hosted in rich organic shales (reduced facies), together with mineralization hosted in clastic rocks (sandstone type). These two facies form the largest deposits, whereas vein-style deposits are smaller in tonnage.
- To date, all copper mineralization at surface is oxidized.
- In sediment-hosted systems expect transitions from pyrite to chalcopyrite to bornite to chalcocite. Surface oxides need to be drill tested.
- Kupferschiefer deposits have mineralized zones from 0.1m to 10's of meters in thickness.

Juramento Deposit



The Juramento deposit, Alexander Mining



- Area drilled in 2005 by TSX.V issuer called Alexander Mining.
- 6 Mt grading 0.64%Cu and 22 g/t Ag as reported Alexander Mining
- There is zonation of zinc-lead copper mineralization – not well understood.
- No brownfield exploration has been reported, as Alexander just focused on outcropping mineralization.

Copper Mineralization

Salta Group
- Santa Barbara Subgroup
- Balbuena subgroup
- Pirgua Subgroup

Note: Juramento deposits is located outside of the LMS land position.

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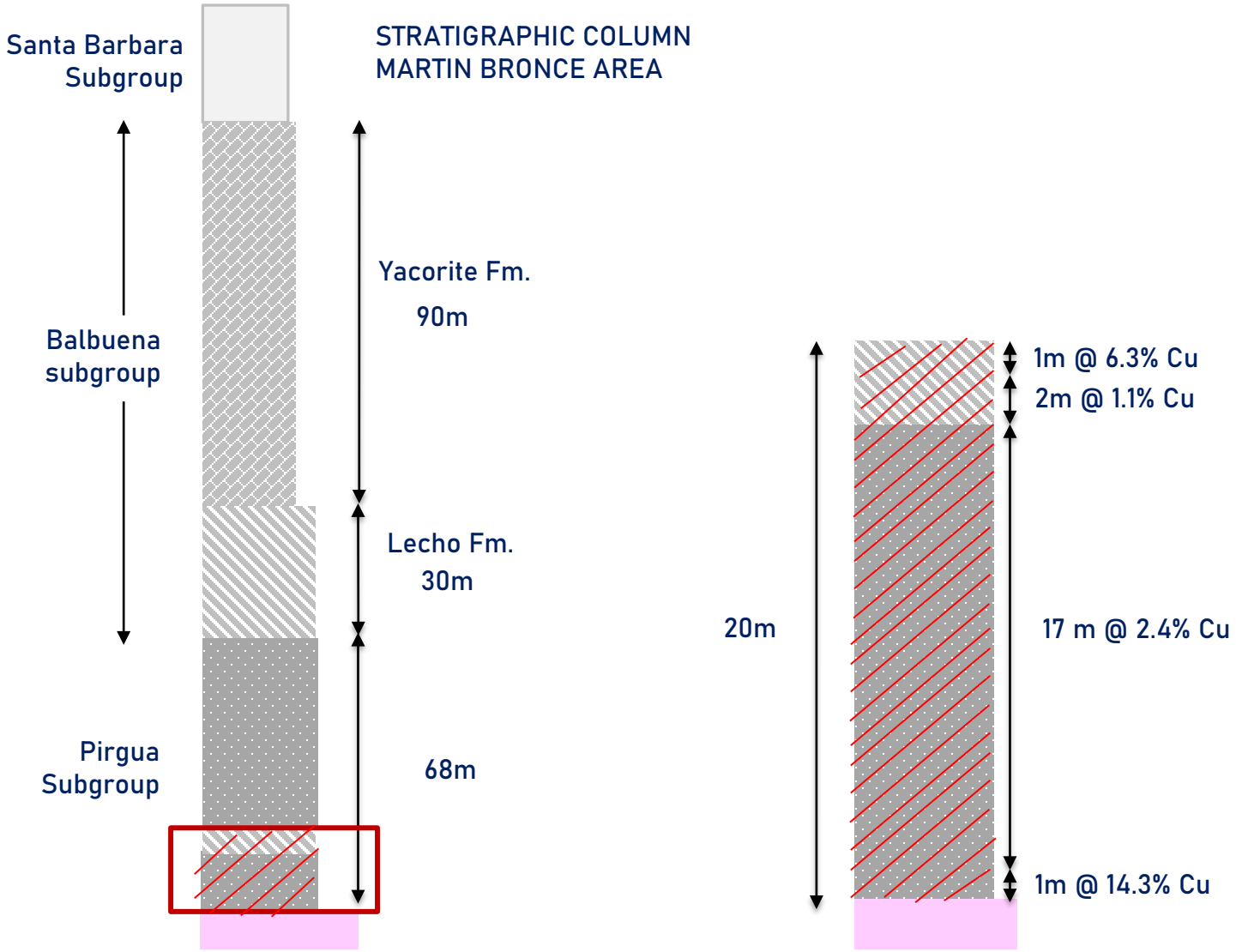
Martin Bronce Deposit



- Copper-lead-zinc-silver
- Copper-oxide mineralization (malacite, azurite, chalcocite) as cement in the conglomerate and veinlets
- Conglomerate with quartzites and sandstone clasts
- MINERALIZED ZONE: ~21m @ 2.64% copper
- HOST: Conglomerates , Sandstones