



LATIN METALS INC.

November 2023

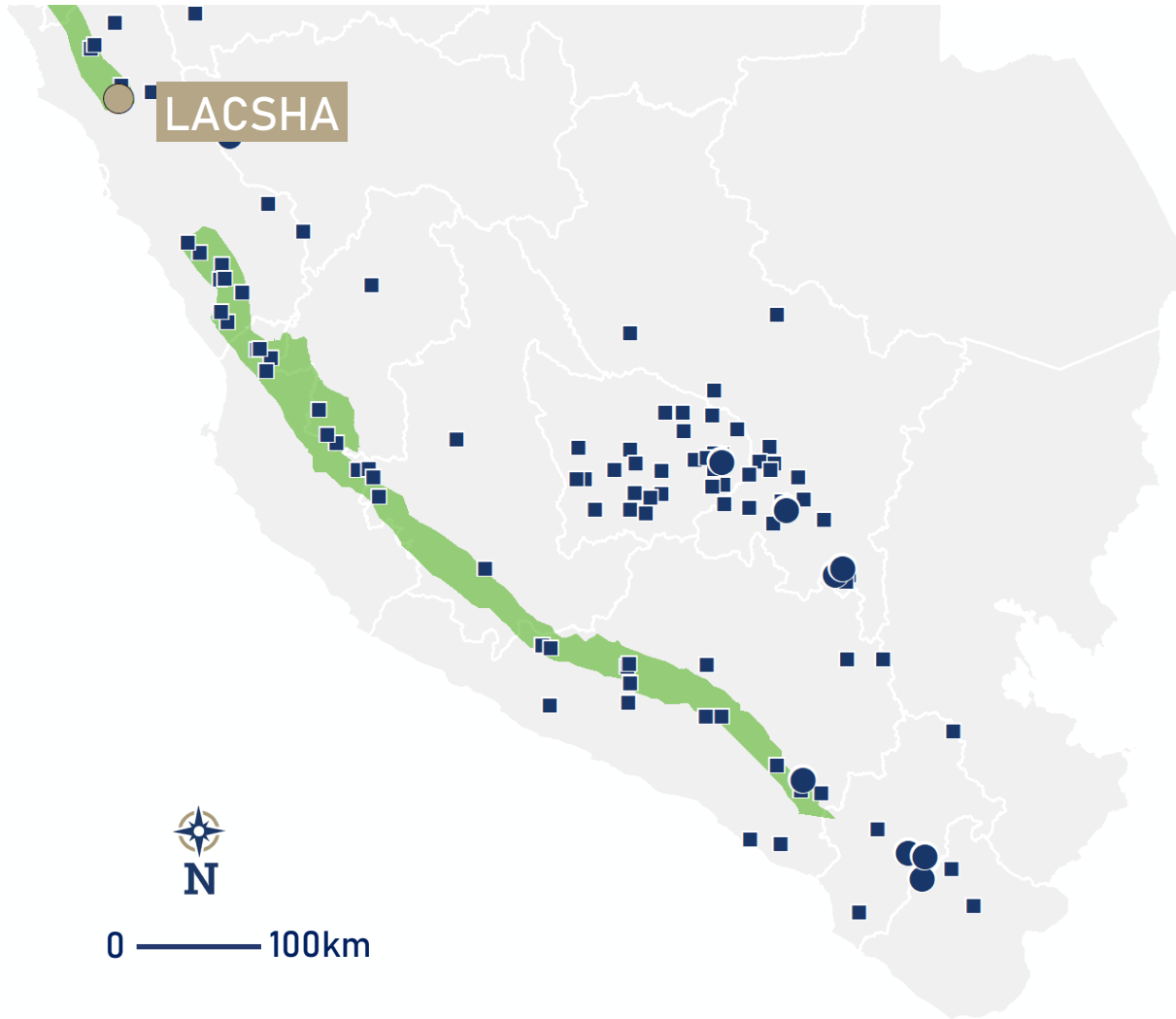
LACSHA PROJECT

TSX.V: LMS
OTCQB: LMSQF

- Project is 100%-owned by Zafiro Mining SAC (subsidiary of Latin Metals Inc.)
- Lacsha is located 130km north of Lima city – excellent infrastructure (port, power, road)
- Current 4-year agreement with local community
- Fully permitted for drilling – 21 drill pads approved under FTA
- Extensive exploration completed to define drill targets – approx. \$850,000 to date
 - Talus sampling defines key copper-moly centers with peripheral zinc-lead anomalies
 - Channel sampling over priority anomalies include 136m @ 0.24% copper, 179ppm moly
 - incl. 52m @ 0.38% copper, 237ppm moly
 - Ground magnetic and induced polarization data over key targets



Cretaceous Porphyry Belt

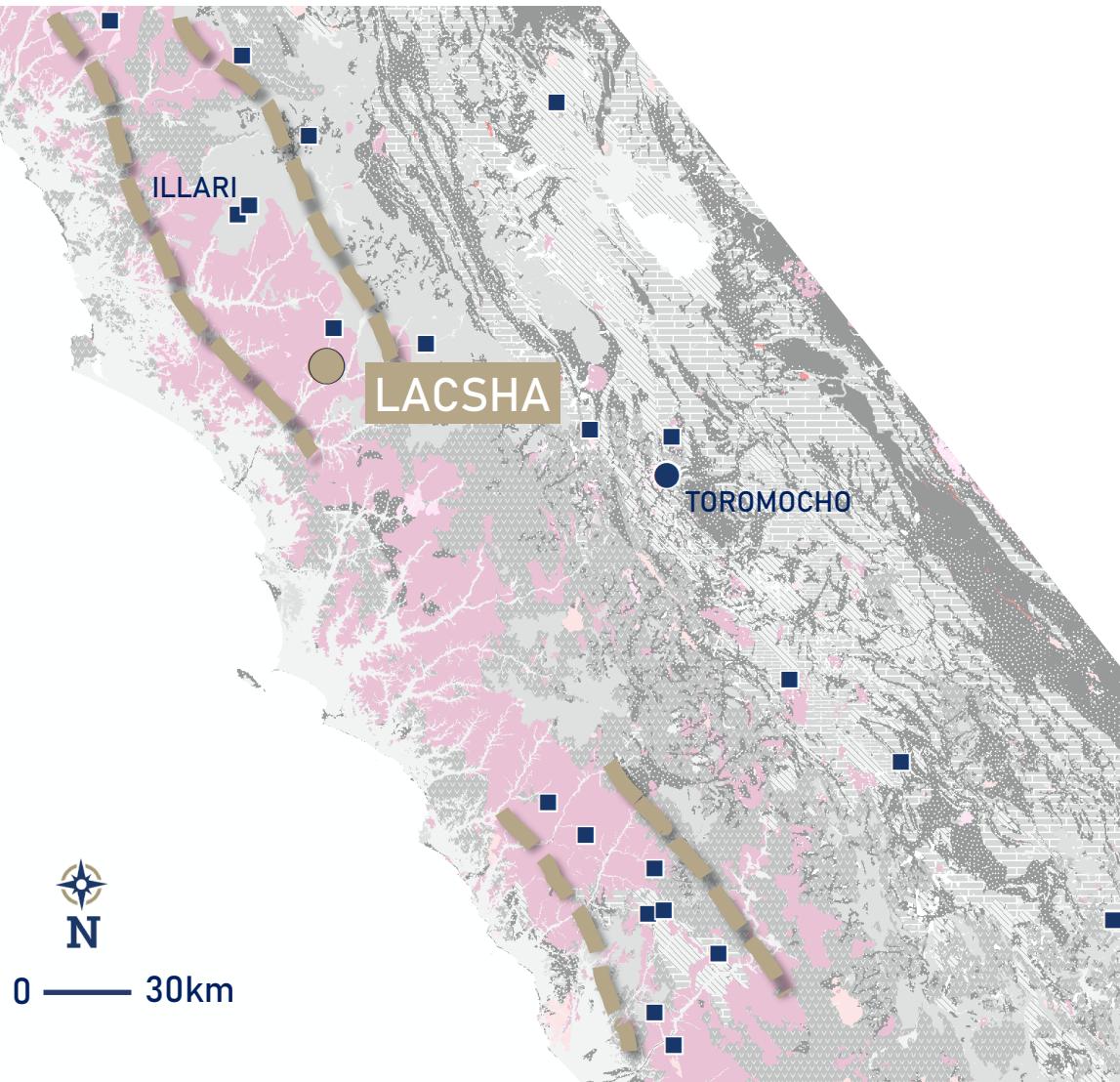


- Cretaceous porphyry belt of Peru was historically recognized between Ica and Arequipa but now extended north of Lima following the discovery of Illari deposit and subsequent exploration successes.
- This belt hosts copper-molybdenum and copper-gold-molybdenum porphyries.

- Cretaceous Porphyry Belt
- LMS Porphyry/Skarn projects
- Porphyry Mines
- Porphyry/Skarn early or advance stage projects

Principal Mineralizing Events

- Upper Cretaceous (66-100 Ma) Angostura(68 Ma), Puquio (76 Ma), Illari (79 Ma), Pucacorrall Sur (82 Ma), Marcahui, Durazno, Cuco, Aguas Verdes, Lara, Lacsha (78Ma)
- Lower Cretaceous (100-145.5 Ma) Porphyry EL Yaral (106 Ma), Pucacorrall Norte (112 Ma) , La llave (115 Ma), Erika (128Ma), Campanero – Part of Zafranal cluster (141 Ma),



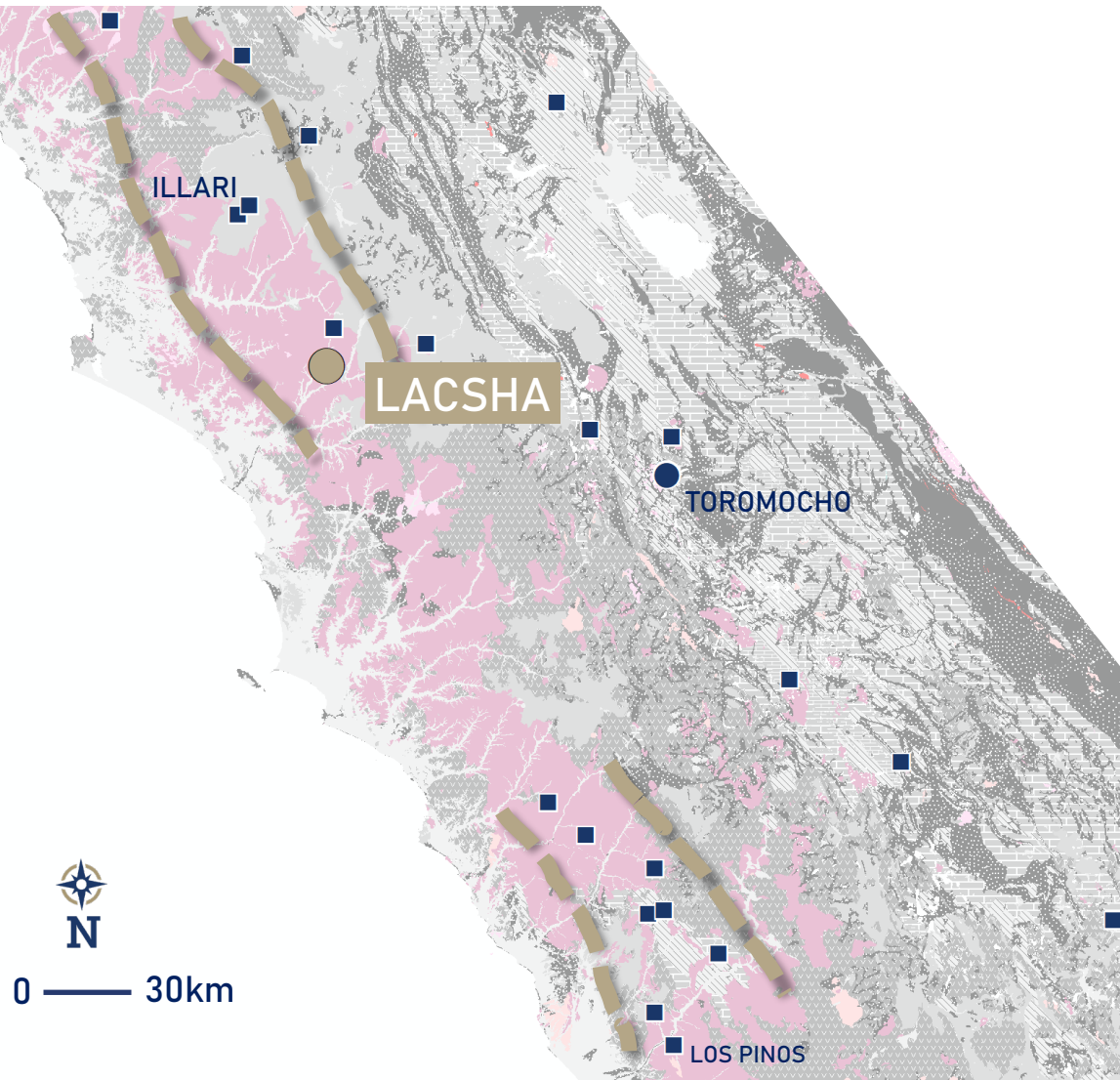
Regional Geology by INGEMMET

- LMS Porphyry project
- Porphyry Mines
- Porphyry/Skarn exploration projects
- Quaternary Material
- Cenozoic Volcanic Package
- Cretaceous Calcareous Package
- Cretaceous Fine Sediments
- Mesozoic Sedimentary Package
- Cretaceous Coastal batholith

(*) from Buenaventura web page, (**) from MMG web page

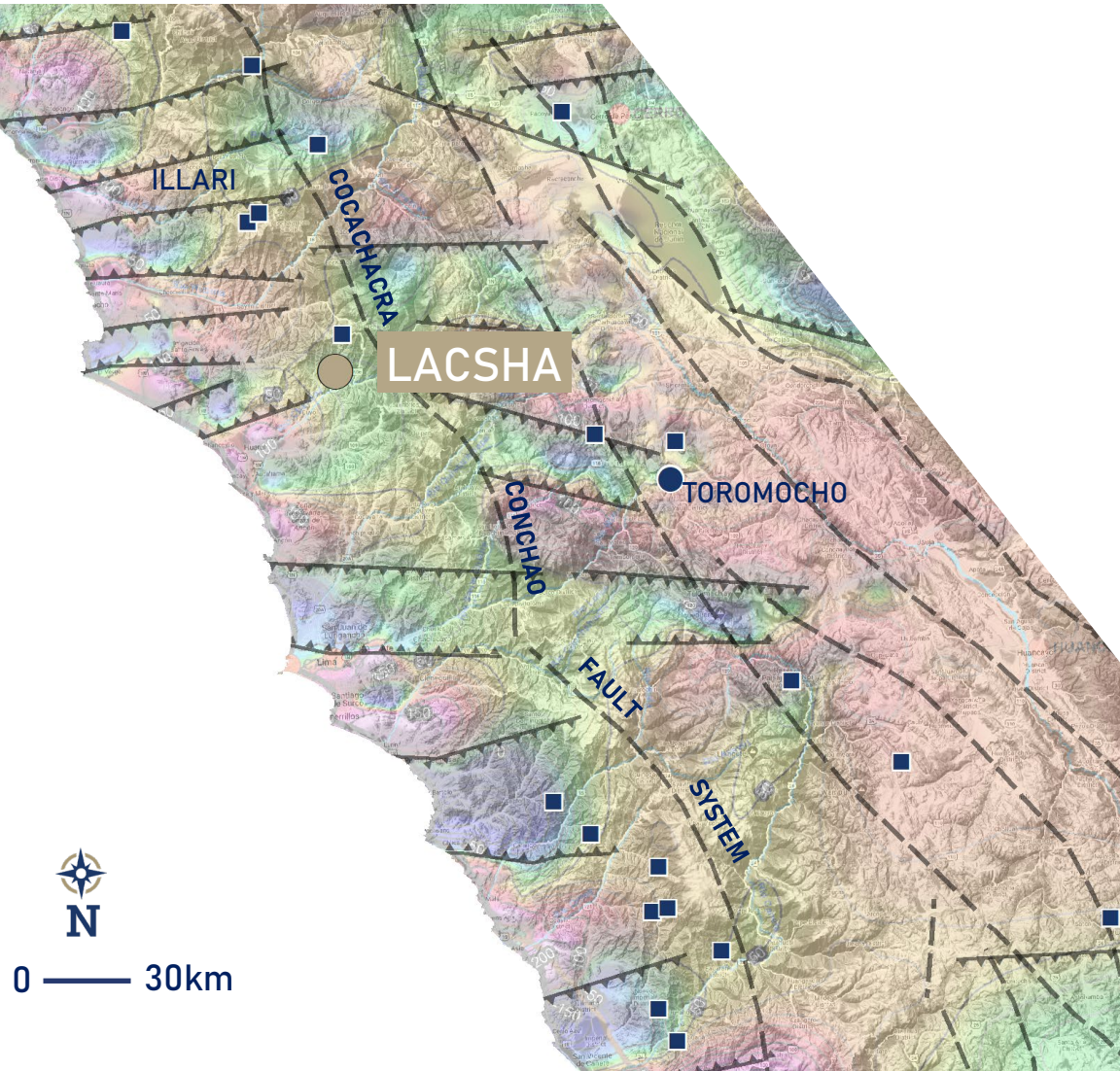
Copper Endowment

- Illari Project drill highlights include 293m @ 0.54% copper and 0.28 g/t gold
- Northern portion of the belt is underexplored; many of the projects are early-stage discoveries awaiting drill testing
- Lacsha is fully drill permitted



Regional Geology by INGEMMET

(*) from Proexplo conference

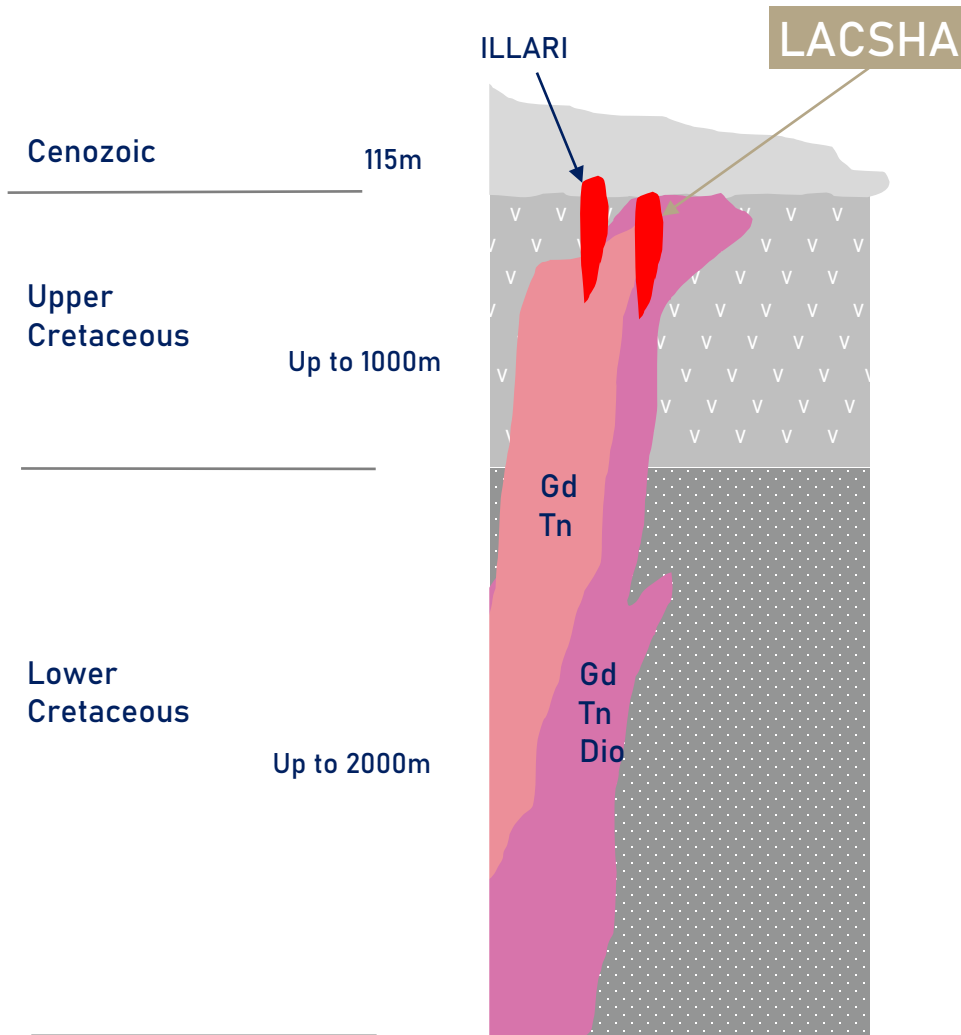


*Regional MAG interpretation by Peru Petro

- Deposits are strongly controlled by the intersection of major structural trends:
 - East-west low magnetic trends recognized by airborne magnetic surveys and;
 - major mapped fault systems trending northwest-southeast
- Possible relationship to deep structures controlling secondary porosity

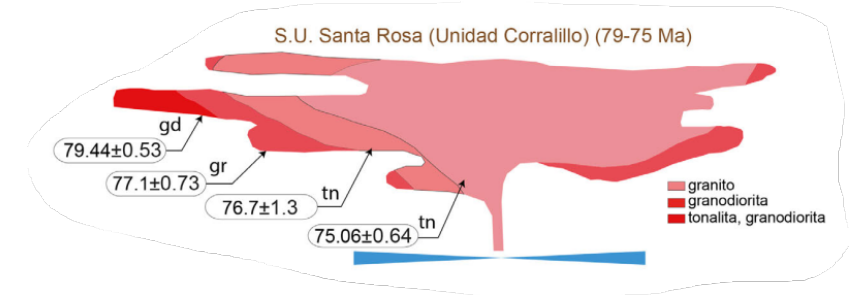
- LMS Porphyry project
- Porphyry Mines
- Porphyry/Skarn exploration projects
- Structural corridors Interpreted by Geology
- ▲ Structural corridors Interpreted by Geophysics

Stratigraphic Column

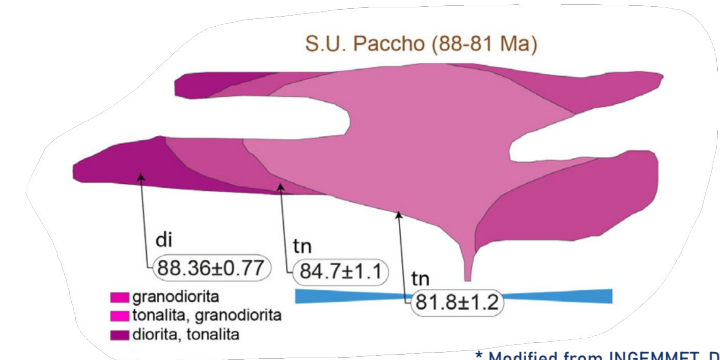


Calipuy volcanics

Gpo Casma.(Andesites, Basalts Volcanic and volcaniclastics)



Gpo. Morro Solar. (Sandstone, Siltstone)

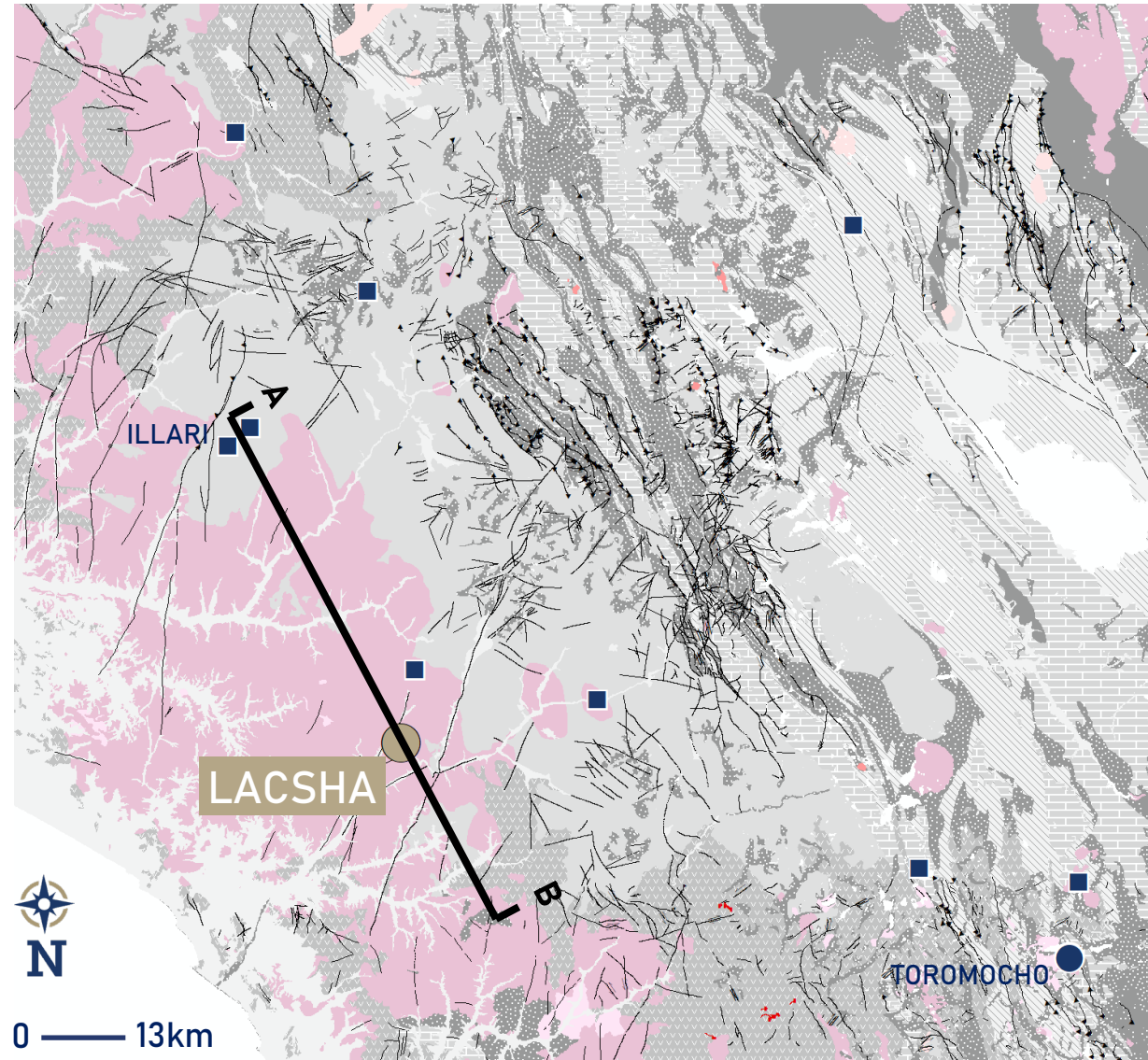
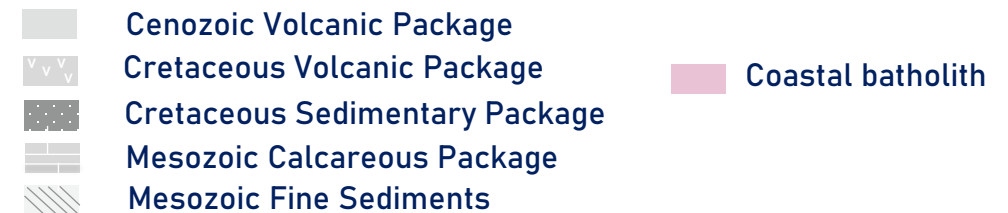


* Modified from INGEMMET ,D039 ,2023

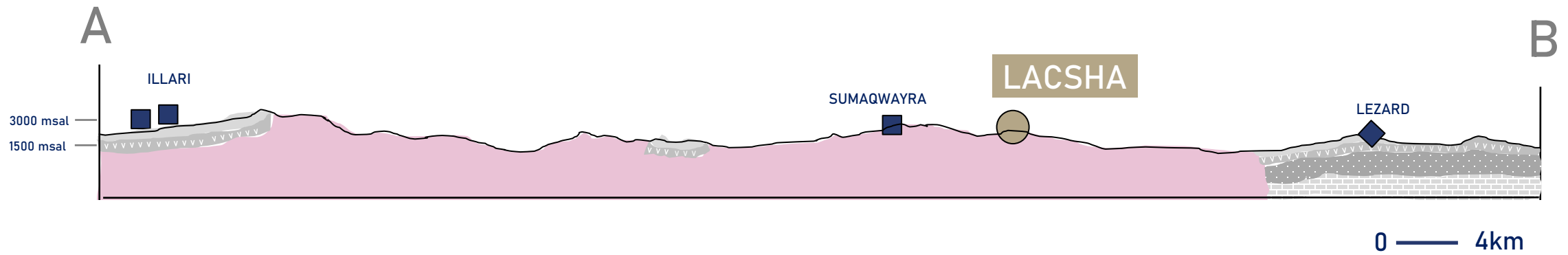


District Geology

- Costal batholith in the Lima segment consists of various super units with ages between 66 Ma to 100 Ma, and it is directly related to the CASMA basin.
- Several prospective zones are been actively exploring in this area.
- Illari (porphyry), Sumaqwayra (porphyry), Lezard (VMS), and Elida (porphyry) are the principal discoveries.
- Most of the prospects are located at the east margin of the Coastal Batholith, related to the Andean Conchao Cocachacra fault system.



Schematic Section



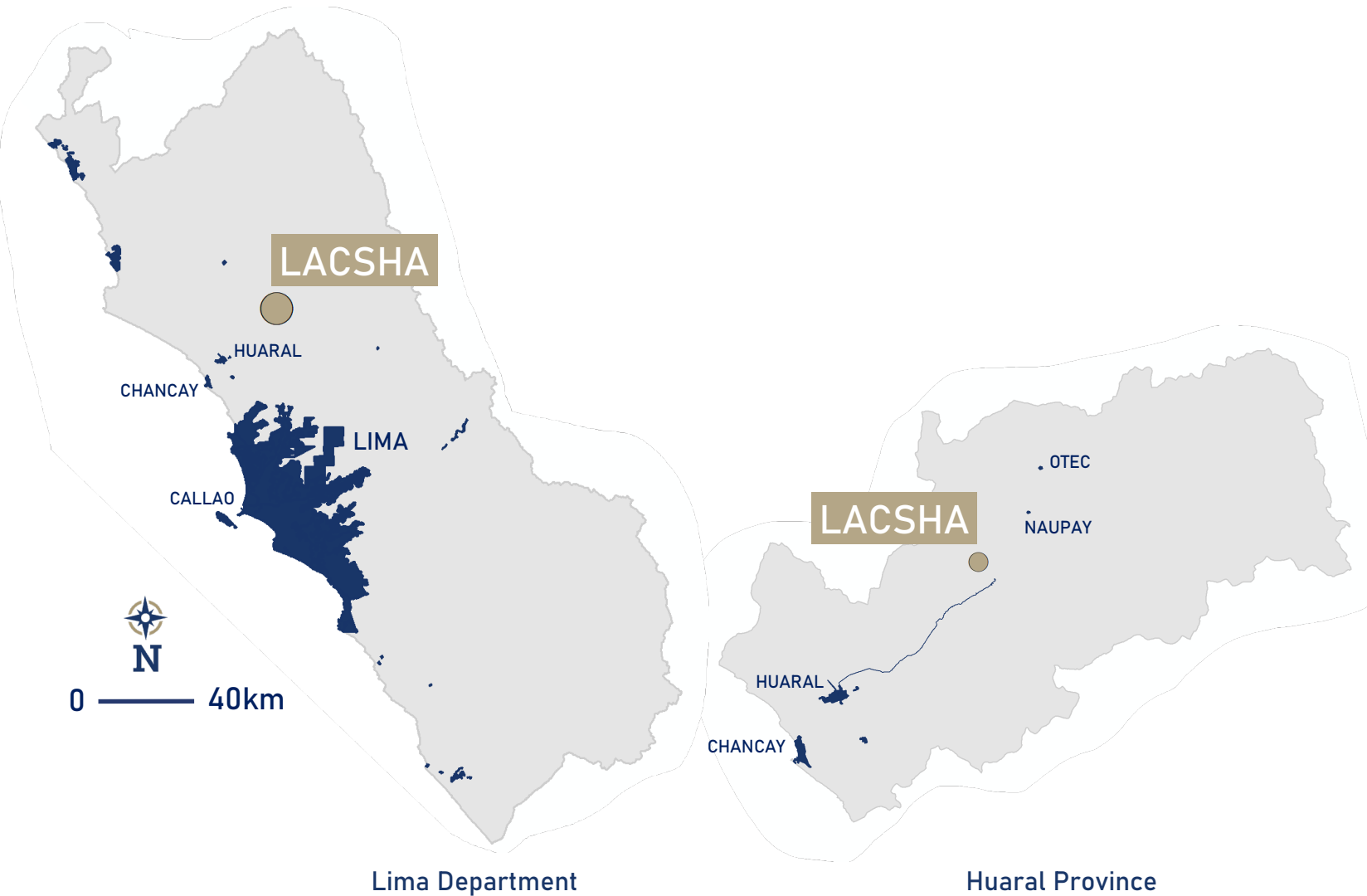
- Cenozoic Volcanic Package
- Cretaceous Volcanic Package
- Cretaceous Sedimentary Package
- Mesozoic Calcareous Package
- Mesozoic Fine Sediments

Coastal batholith

- LMS Porphyry/Skarn project
- Porphyry Mine
- Porphyry/Skarn exploration projects
- VMS exploration projects

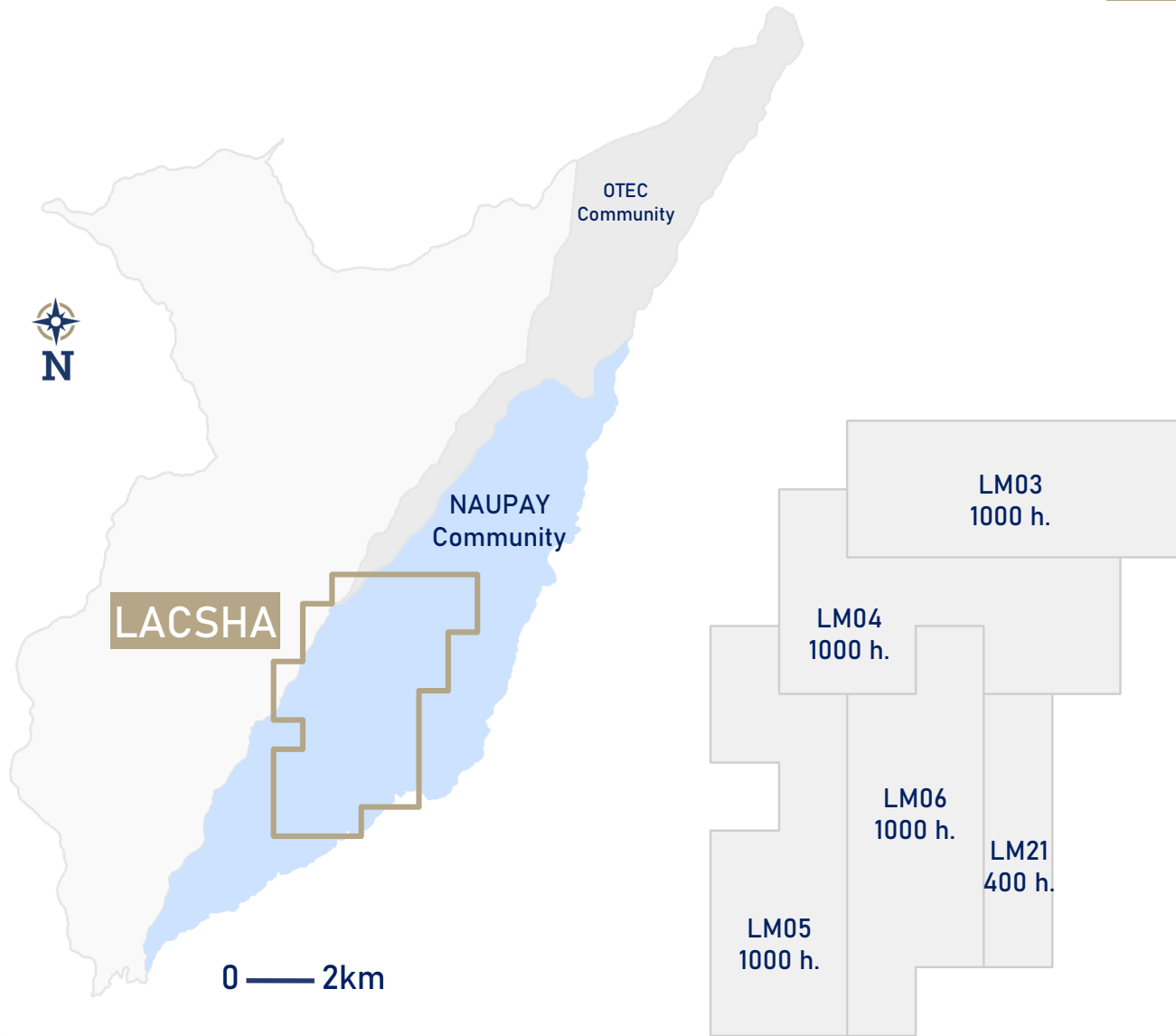


Infrastructure & Access

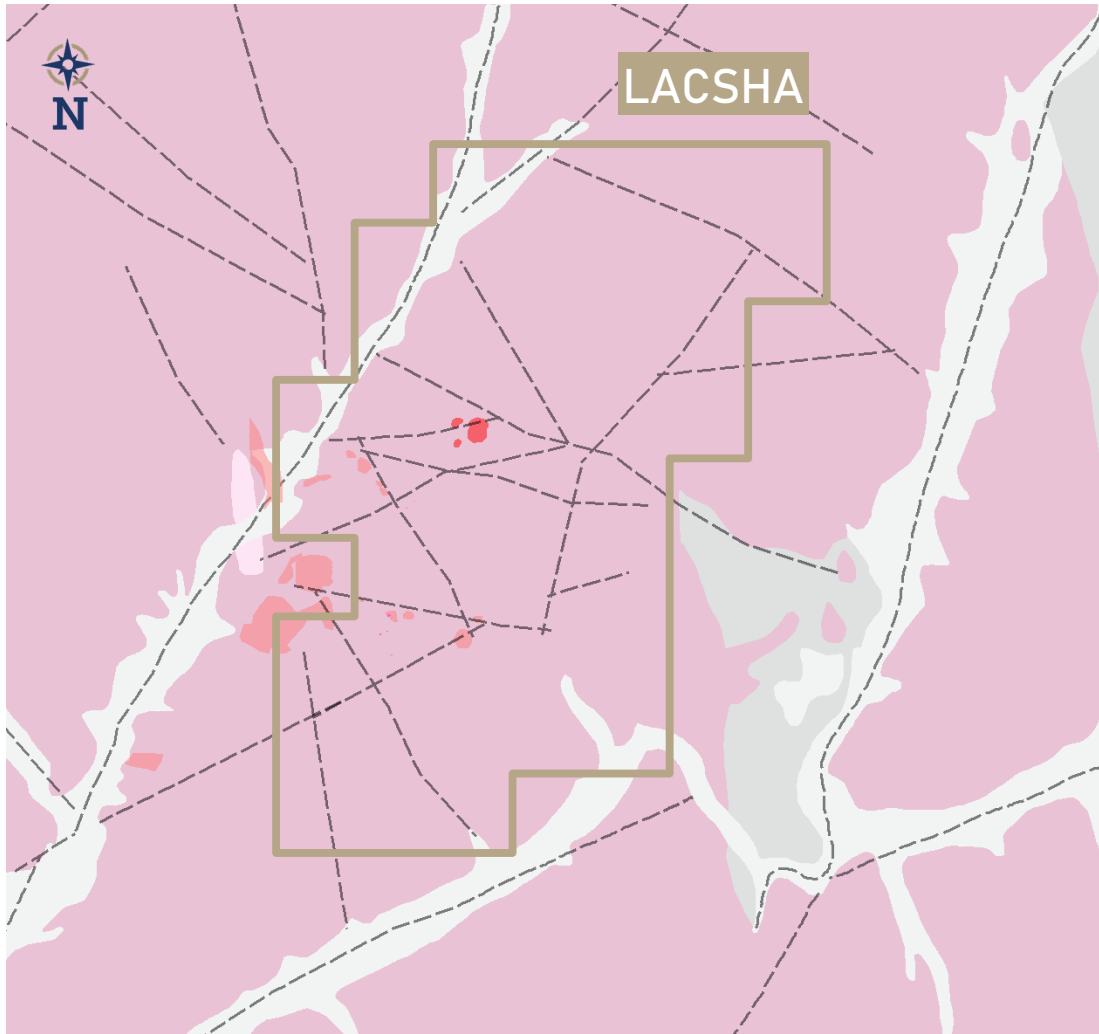


- The project is located in Lima department, Huaral Province.
- There is a road to the property from Huaral providing access by truck to the edge of the property.
- Travel time from Lima to Huaral to Q. Totoral is approximately 2.5hrs.

Stakeholder Engagement



- The Lacsha project is within the Naupay community territory.
- LMS has signed a Servidumbre agreement (agreement required to get a drill permit) to explore the area of the Naupay community for 4 years. The payment for Year 2 has recently been completed.
- The property totals 4400 hectares - 5 mining properties all with mining titles under the name of Zafiro Mining SAC (100% subsidiary of Latin Metals Inc.)
- All properties in good standing.



Modified after, Geology 100K from INGEMMET

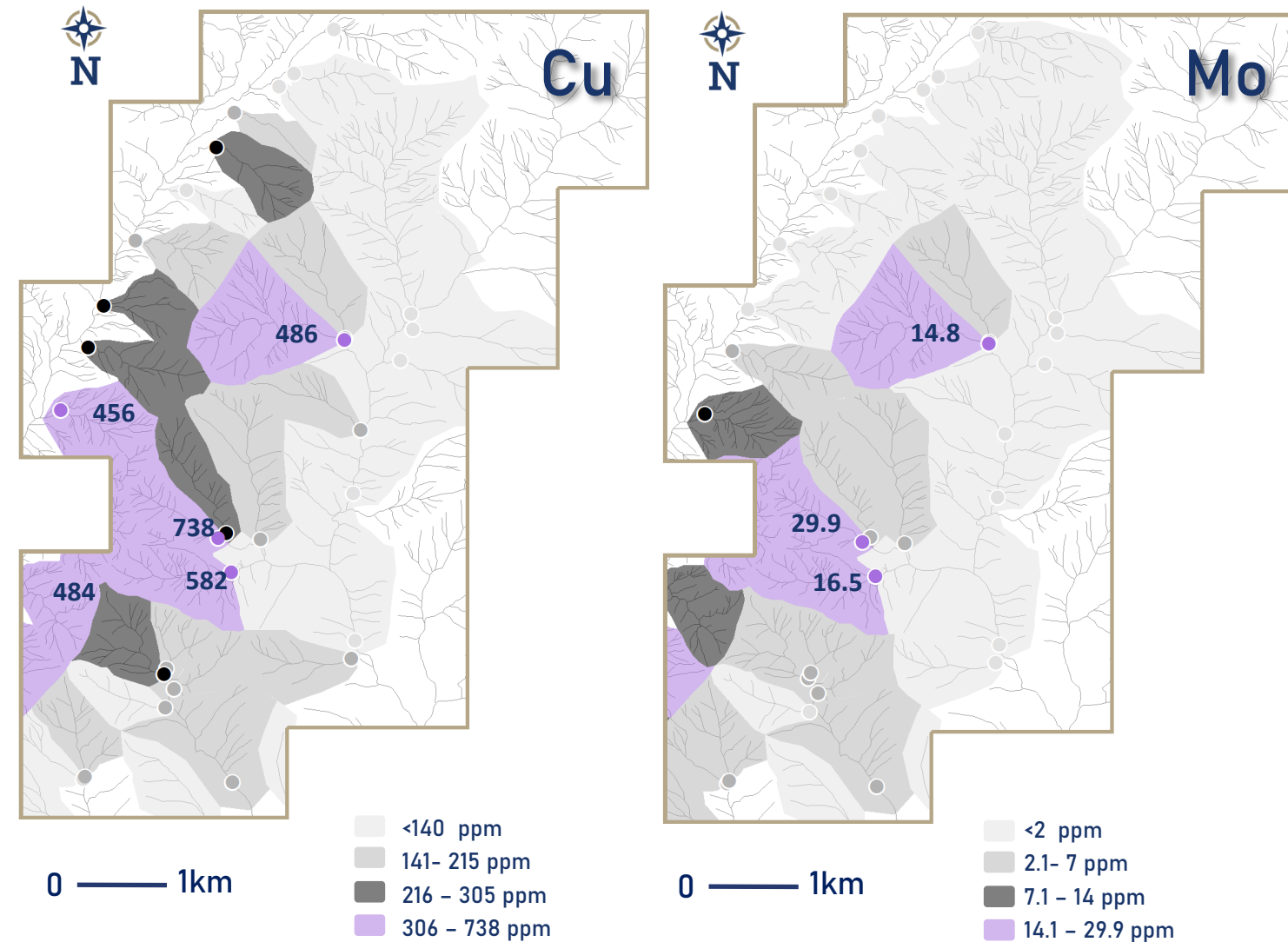
- Favorable structural setting with a favourable northwest-southeast displacement, perpendicular to the regional northeast-southwest regional geophysical and geological trends.
- The area is dominated by the coastal batholith with the principal super units Santa Rosa and Paccho

■ Miocene Volcanic Package

■ Post Batholith Dacites and Granites

■ Coastal Batholith

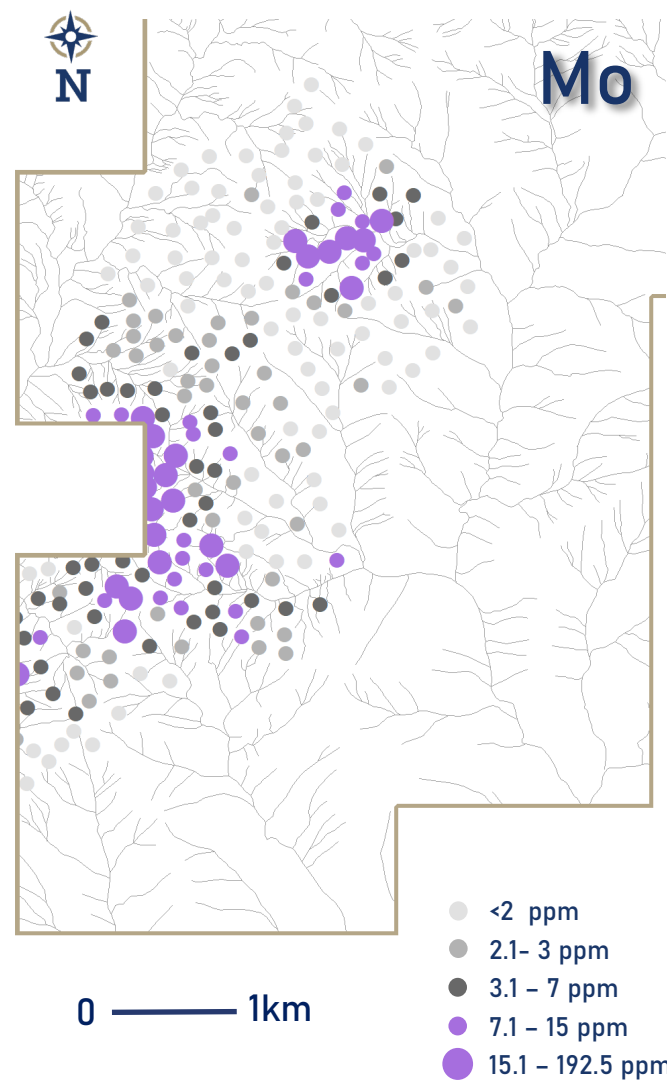
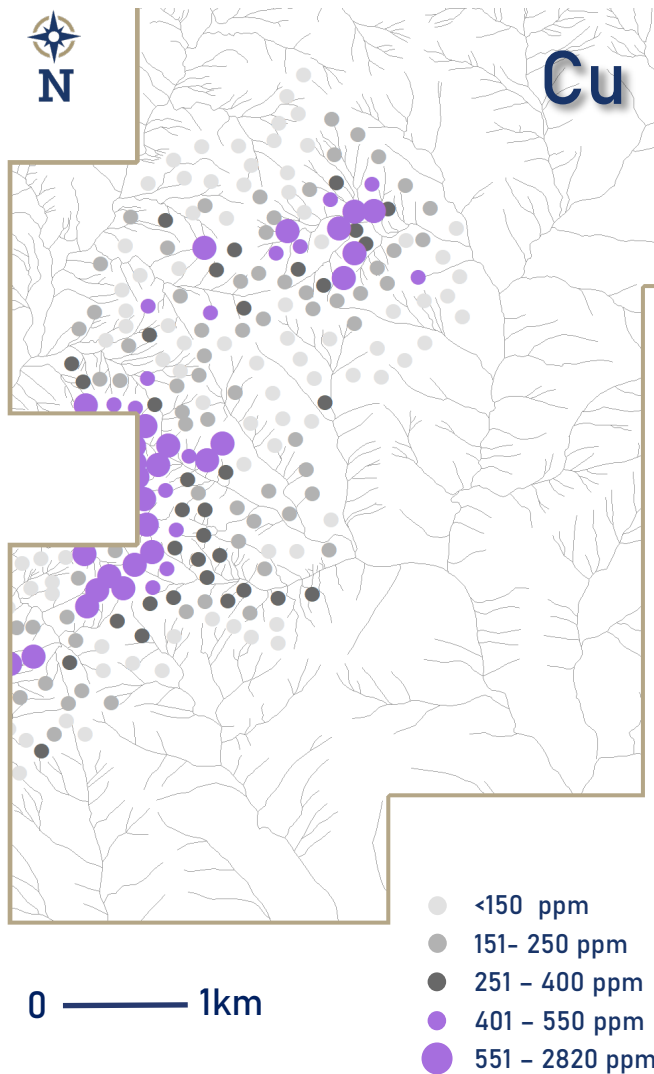
Stream Sediment Sampling



- 41 samples were collected in the survey area.
- Principal correlation in the survey was copper-moly-silver-selenium
- Values in excess of 150 ppm copper are usually considered anomalous in this portion of the belt – Lacsha anomalies considerably higher than this.
- Latin Metals focused the follow up survey on values greater than 300 ppm copper.

Correlation	Cu ppm	Ag ppm	Mo ppm	Se ppm
Cu ppm	1	0.75	0.64	0.86
Ag ppm	0.75	1	0.5	0.75
Mo ppm	0.64	0.5	1	0.79
Se ppm	0.86	0.75	0.79	1

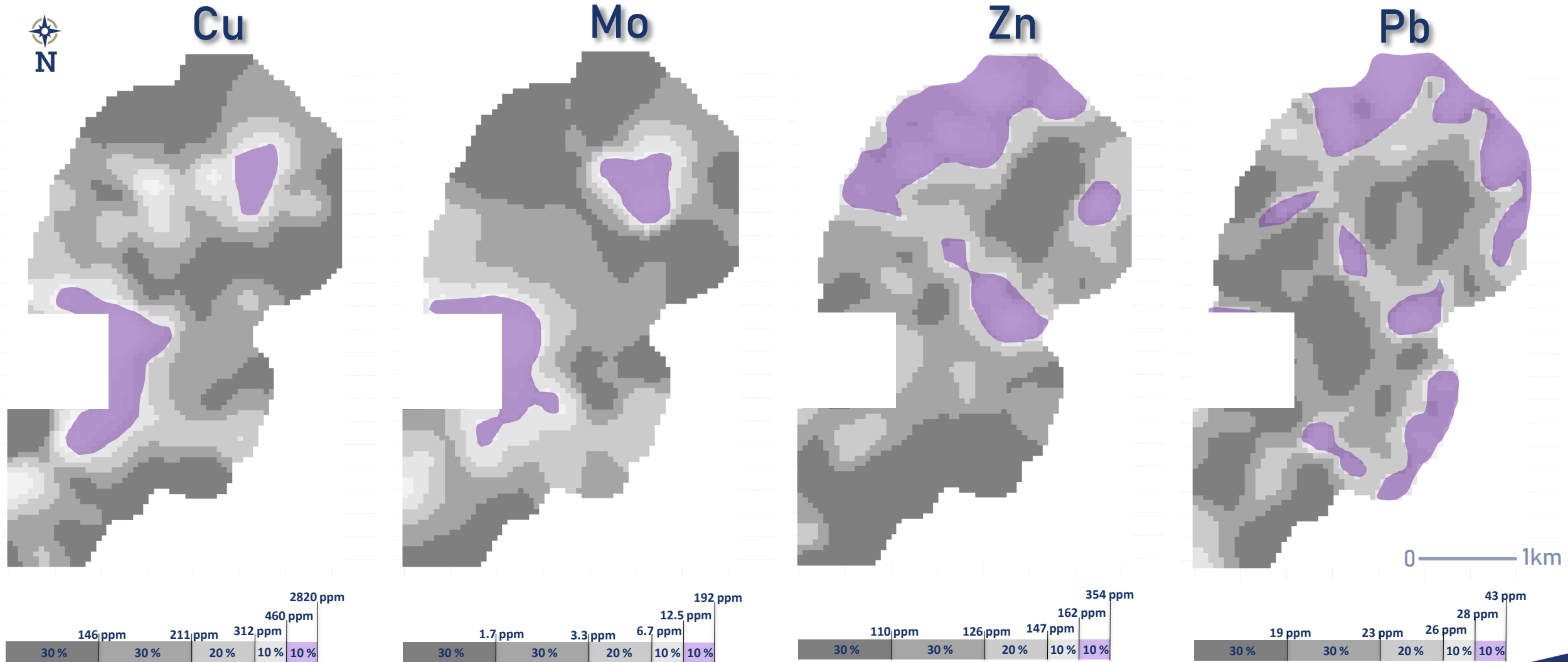
Talus Sampling

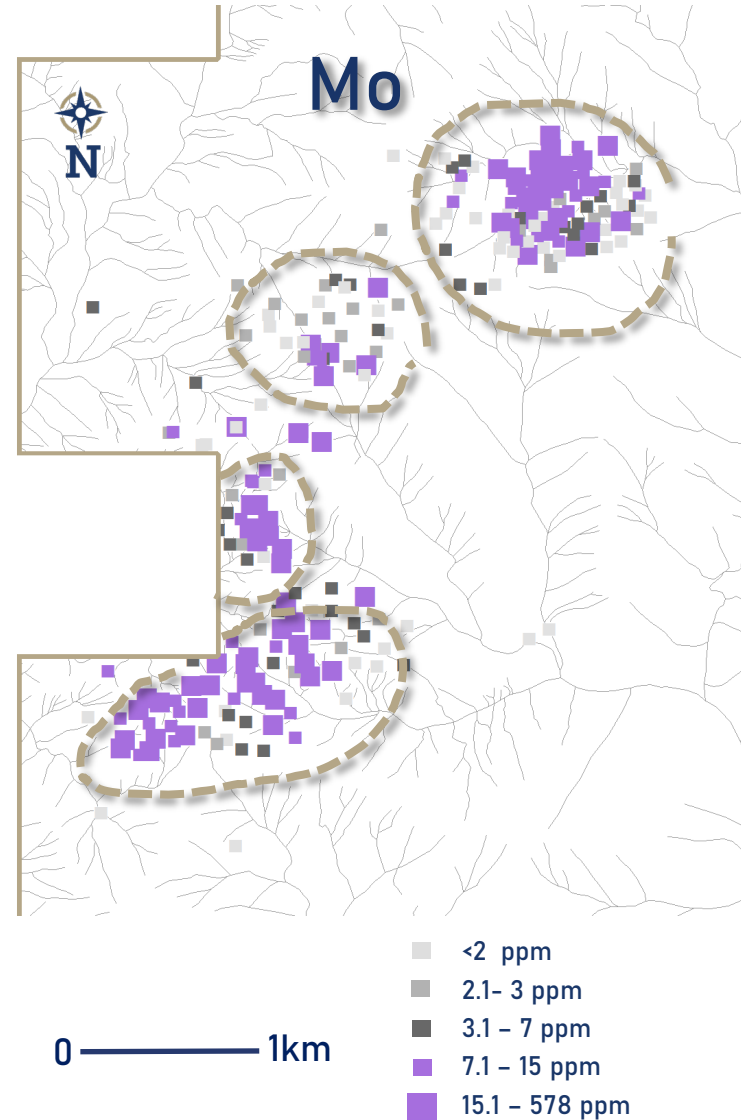
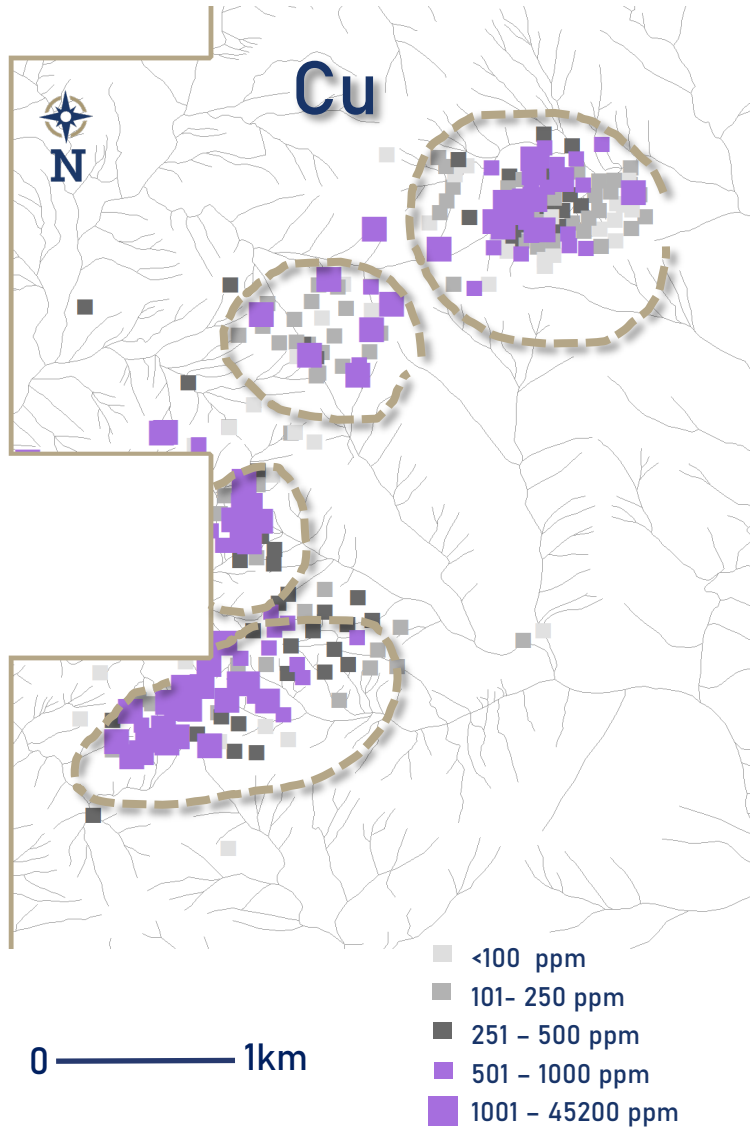


- 241 samples were collected in the survey.
- Principal correlation in the survey was copper-moly-silver
- Stream sediment sample anomalies were confirmed.
- With additional geochemical resolution, reduction in target area to:
 - Lacsha North 2.5 km x 1 km zone.
 - Lacsha South 1 km x 0.8 km zone.

Correlation	Cu ppm	Mo ppm	Ag ppm
Cu ppm	1	0.66	0.68
Mo ppm	0.66	1	0.74
Ag ppm	0.68	0.74	1

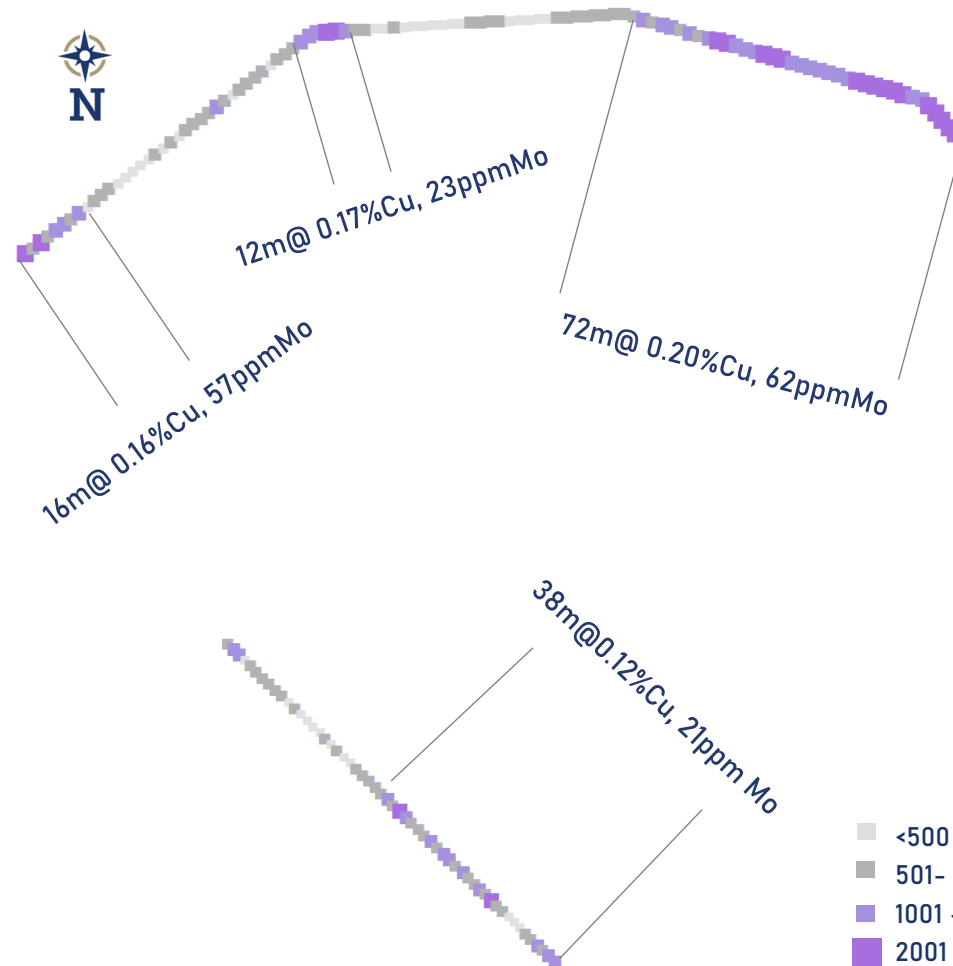
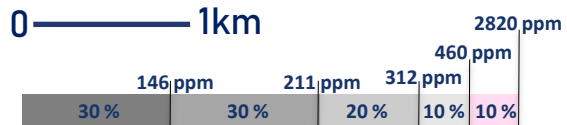
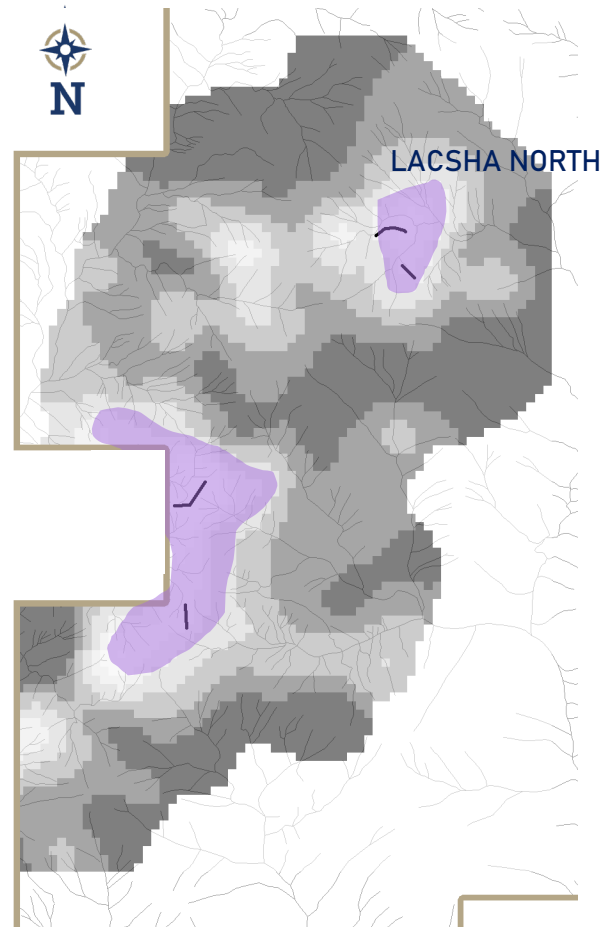




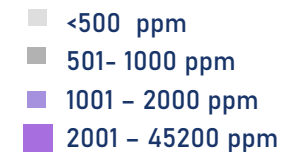


- 259 samples were collected in the survey.
- Talus anomaly confirmed.
- New areas identified :
 - Lacsha North 1 km x 1 km zone.
 - Lacsha South 0.5 km x 0.5 km zone.
 - Lacsha Central 0.8 km x 0.8 km zone
 - Lacsha Southwest 1.5 km x 0.8 km zone.

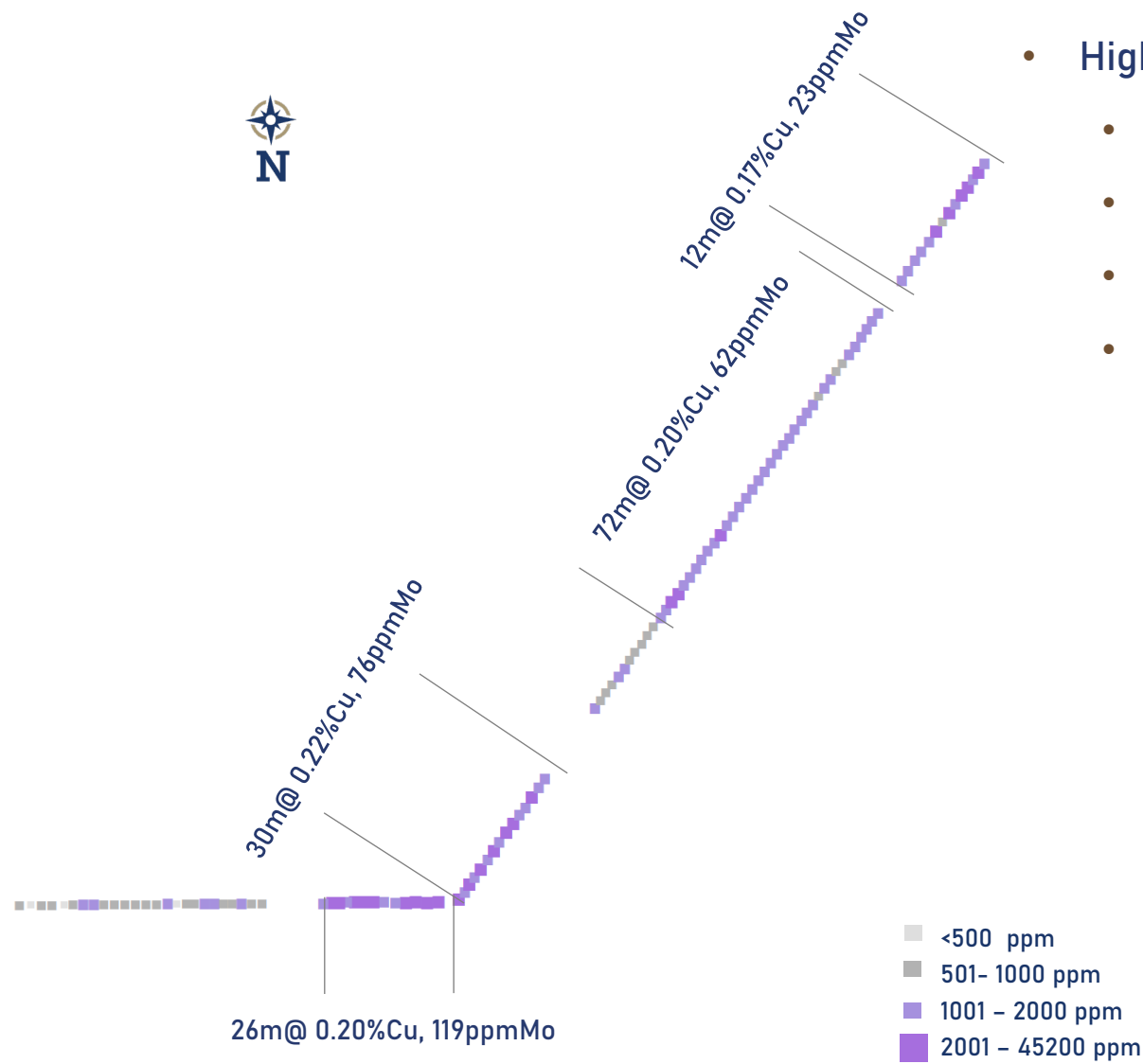
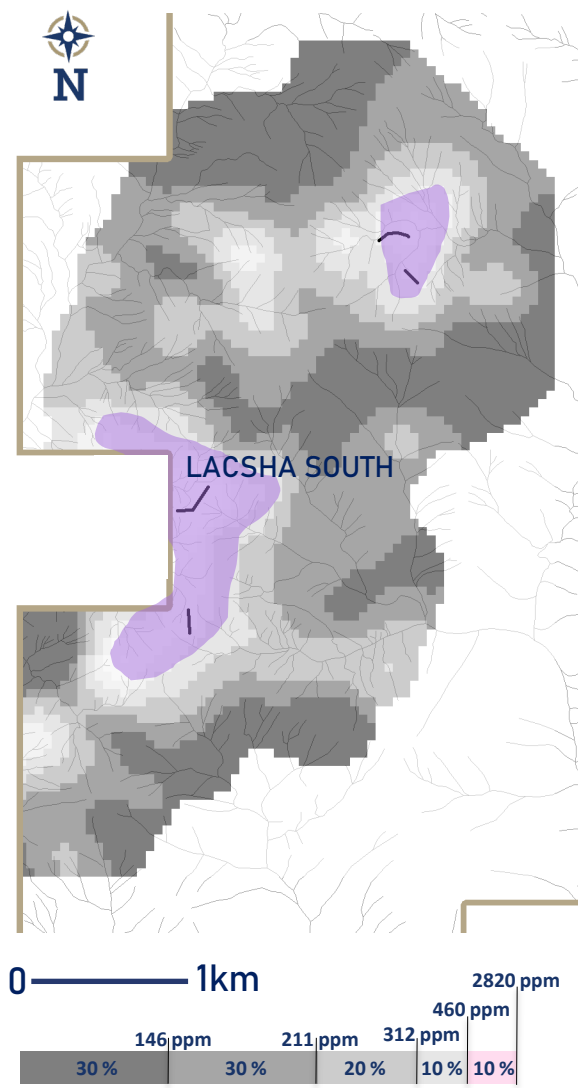
Channel Sampling Lacsha North



- Highlights:
 - 38m @ 0.12% Cu, 21ppm Mo
 - 16m @ 0.16% Cu, 57ppm Mo
 - 12m @ 0.17% Cu, 23ppm Mo
 - 72m @ 0.20% Cu, 62ppm Mo

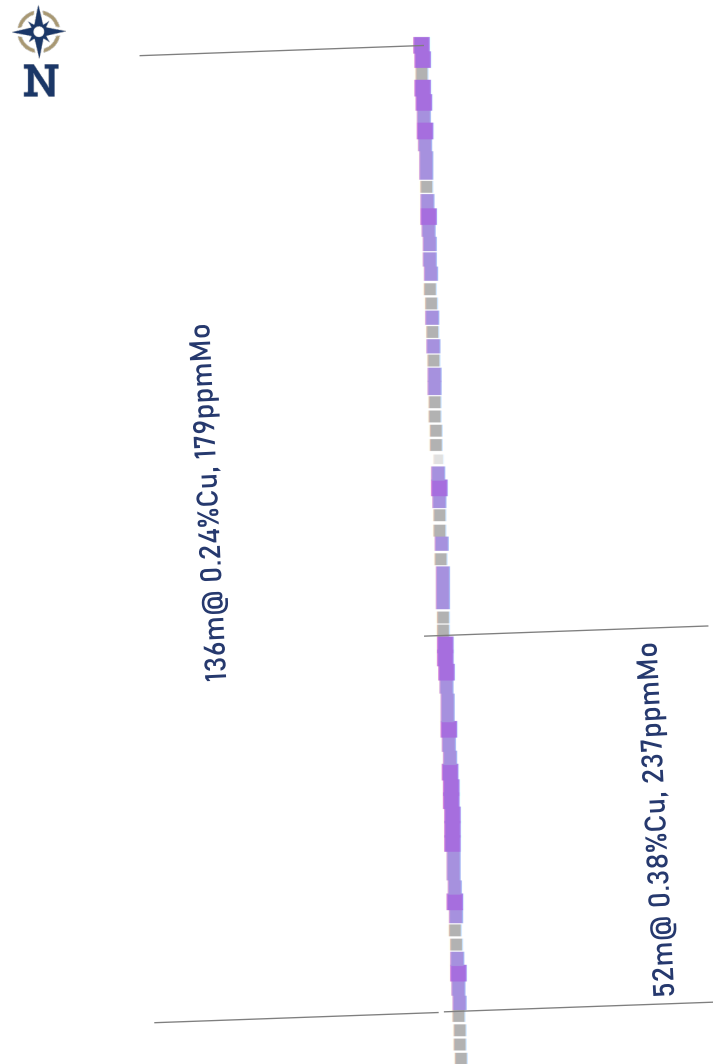
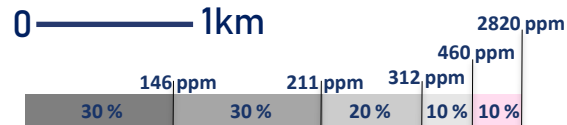
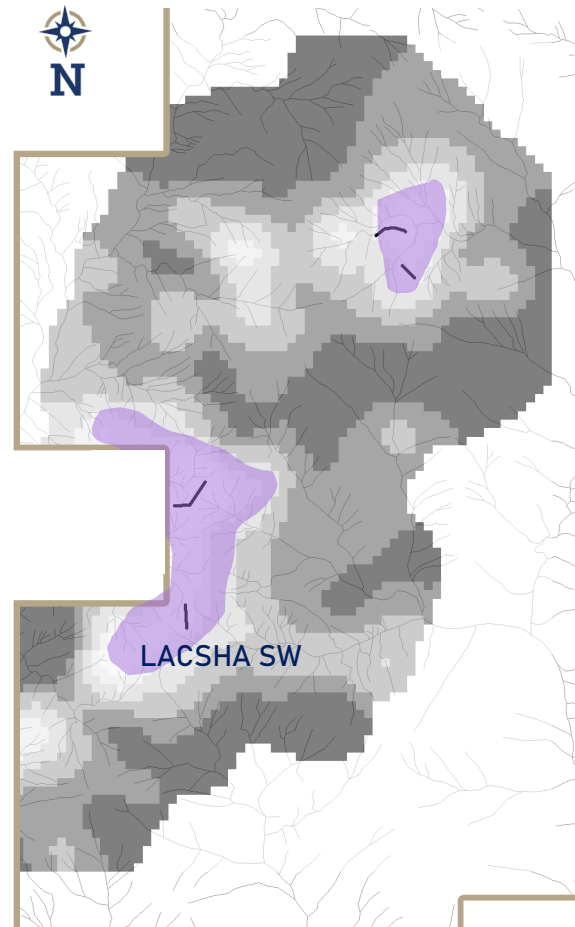


Channel Sampling Lacsha South



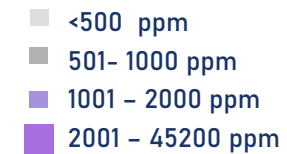
- Highlights:
- 28m @ 0.17% Cu, 44ppm Mo
- 74m @ 0.14%Cu, 47ppm Mo
- 26m @ 0.20% Cu, 119ppm Mo
- 30m @ 0.22% Cu, 76ppm Mo

Channel Sampling Lacsha Southwest

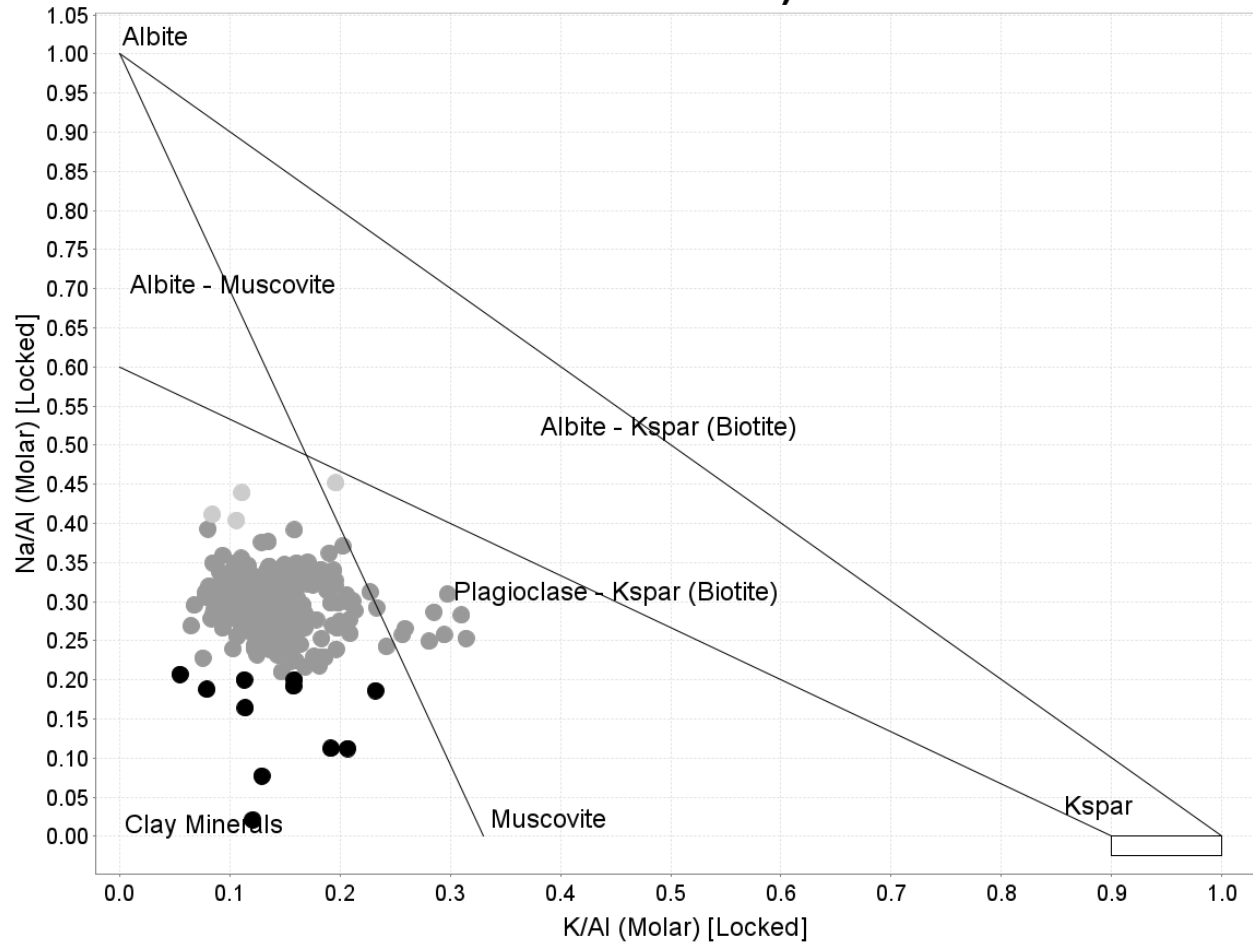


Highlights:

- 136m @ 0.24% Cu, 179ppm Mo
- Incl. 52m @ 0.38% Cu, 237ppm Mo



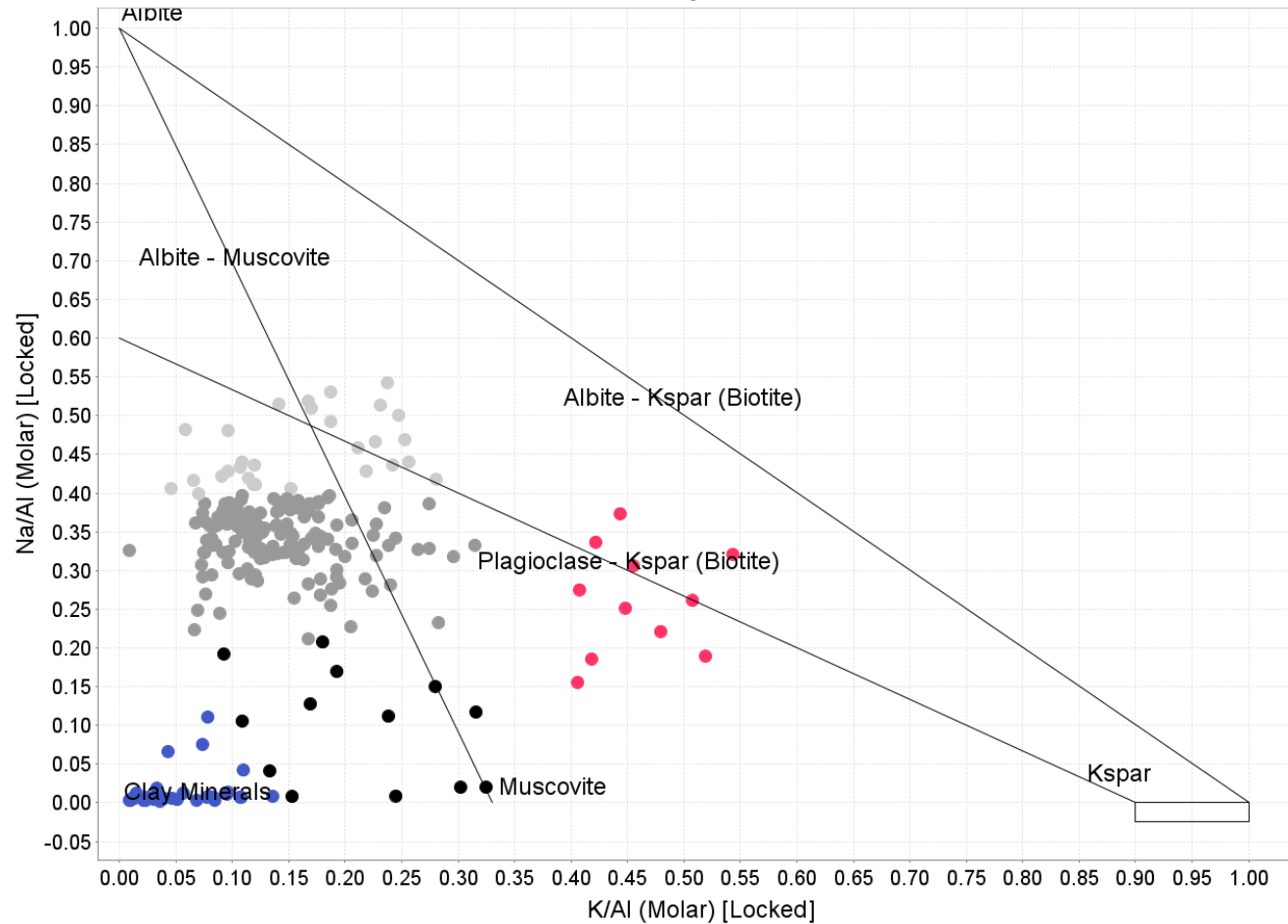
Na/Al vs K/Al Molar Ratio Diagram (modified from Davies & Whitehead 2006)



- Sericite Alteration is the most important in the talus sampling database
- Using the diagram zones with major to lower intensity of this alteration can be identified

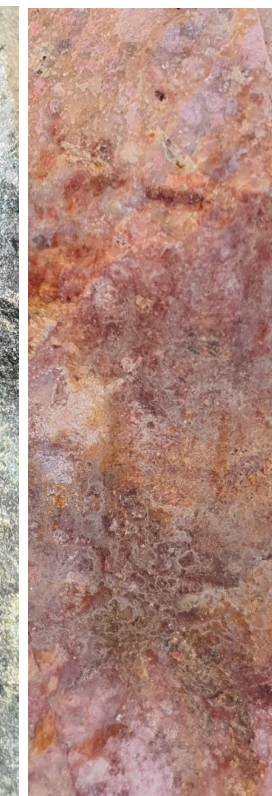
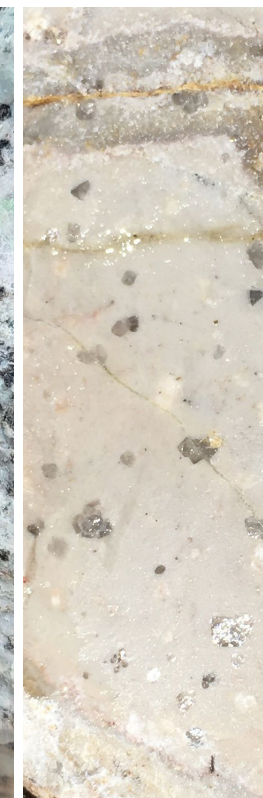
- Strong Sericite
- Moderate Sericite
- Sericite-Chlorite

Na/Al vs K/Al Molar Ratio Diagram (modified from Davies & Whitehead 2006)



- Rock chip sampling data confirms the presence of strong to moderate sericite as well as identifying zones with potassic alteration and argillic zones, probably after sericite.

- Strong Sericite
- Moderate Sericite
- Sericite-Chlorite
- Argillic?
- Secondary biotite



Super Unit Paccho

Tonalite

Granodiorite

Granite

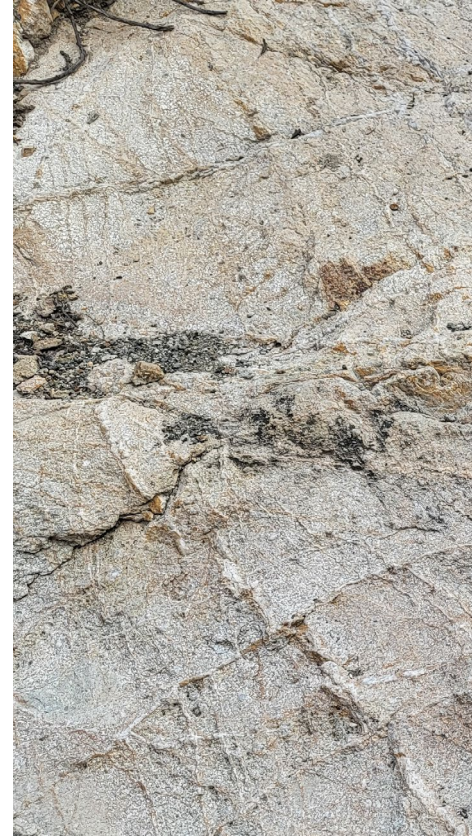
Super Santa Rosa
Granodiorite

Post Coastal Batholith Mineralization Event
Porphyry Diorite Porphyry Dacite to Rhyodacite

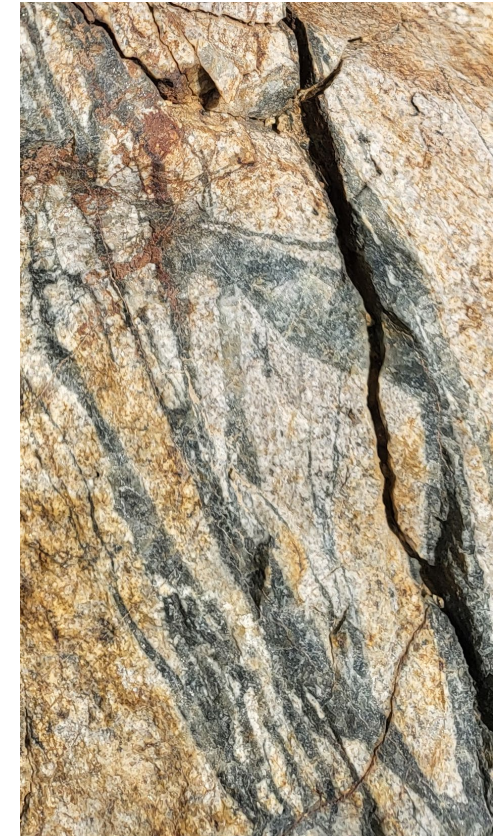
Post Mineralization event
Andesitic dike Rhyolitic dike



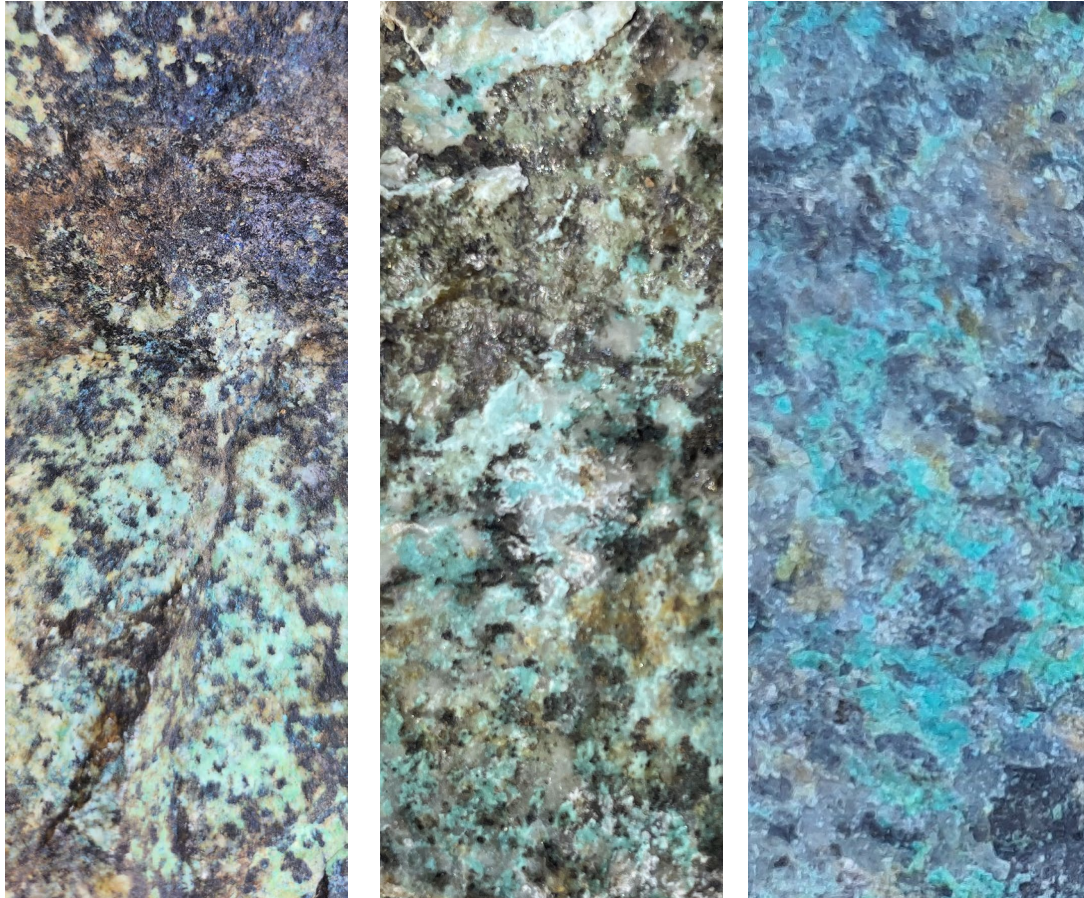
Type C
Oxidized, hosted in the granodiorite,
kilometrical expression around zones with copper oxides



Type A
Tabular
focused in the porphyritic rocks



Type B
Sinuous
focused in the porphyritic rocks



Oxides

Copper mineralization hosted in the granodiorite country rock



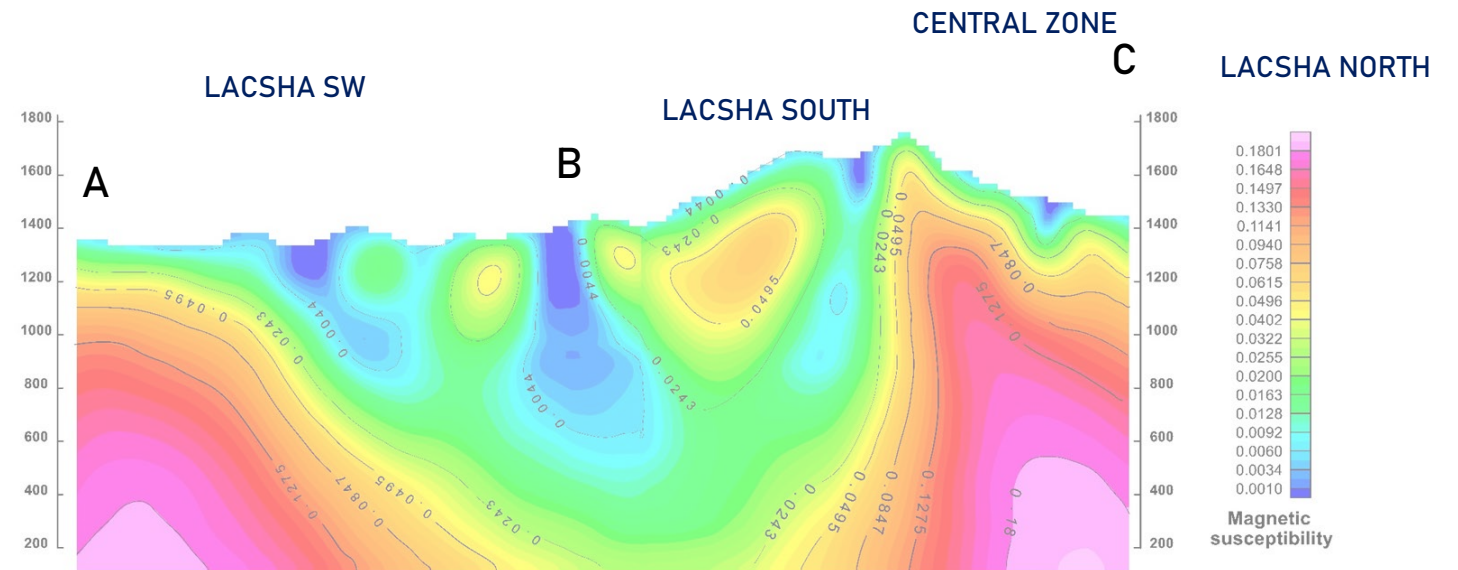
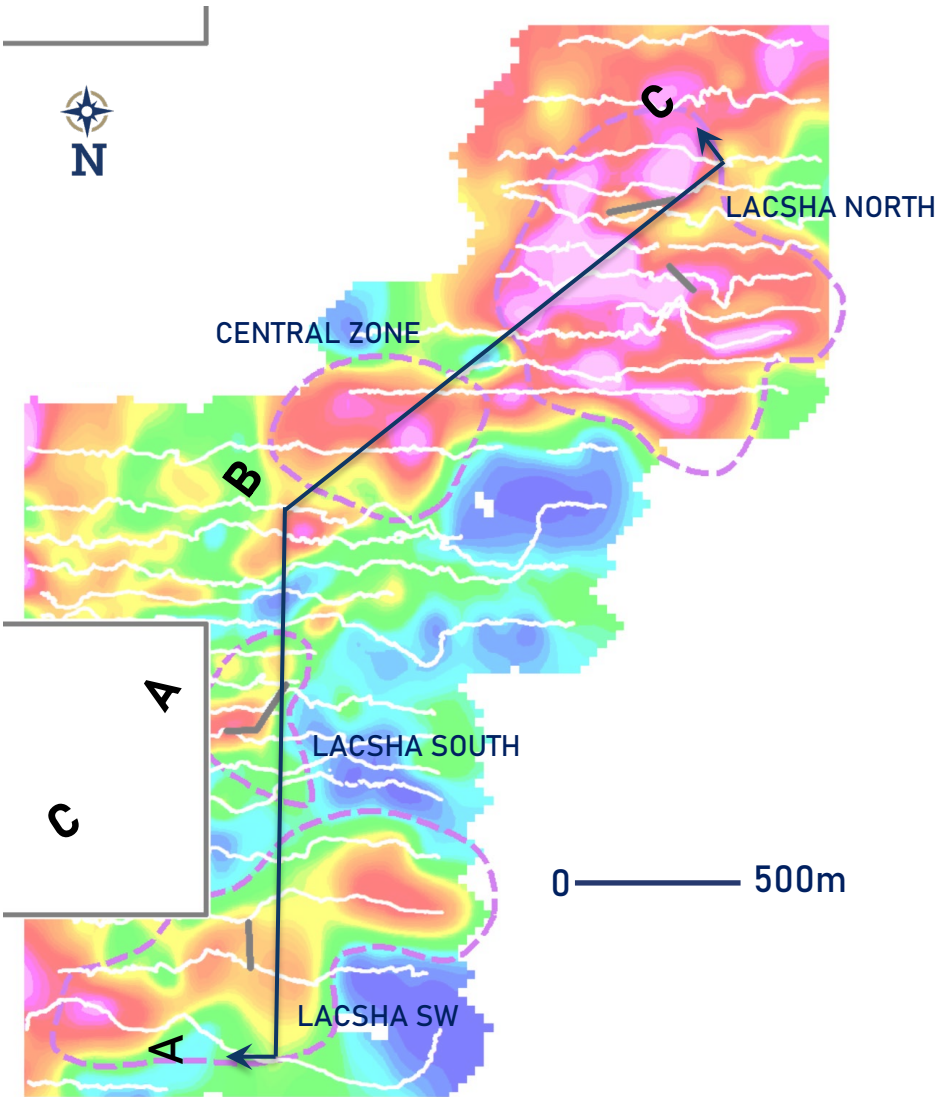
Secondary Mineralization
Chalcolite replacing Chalcopyrite
in porphyritic rocks



Primary Mineralization
Chalcopyrite in porphyritic rocks

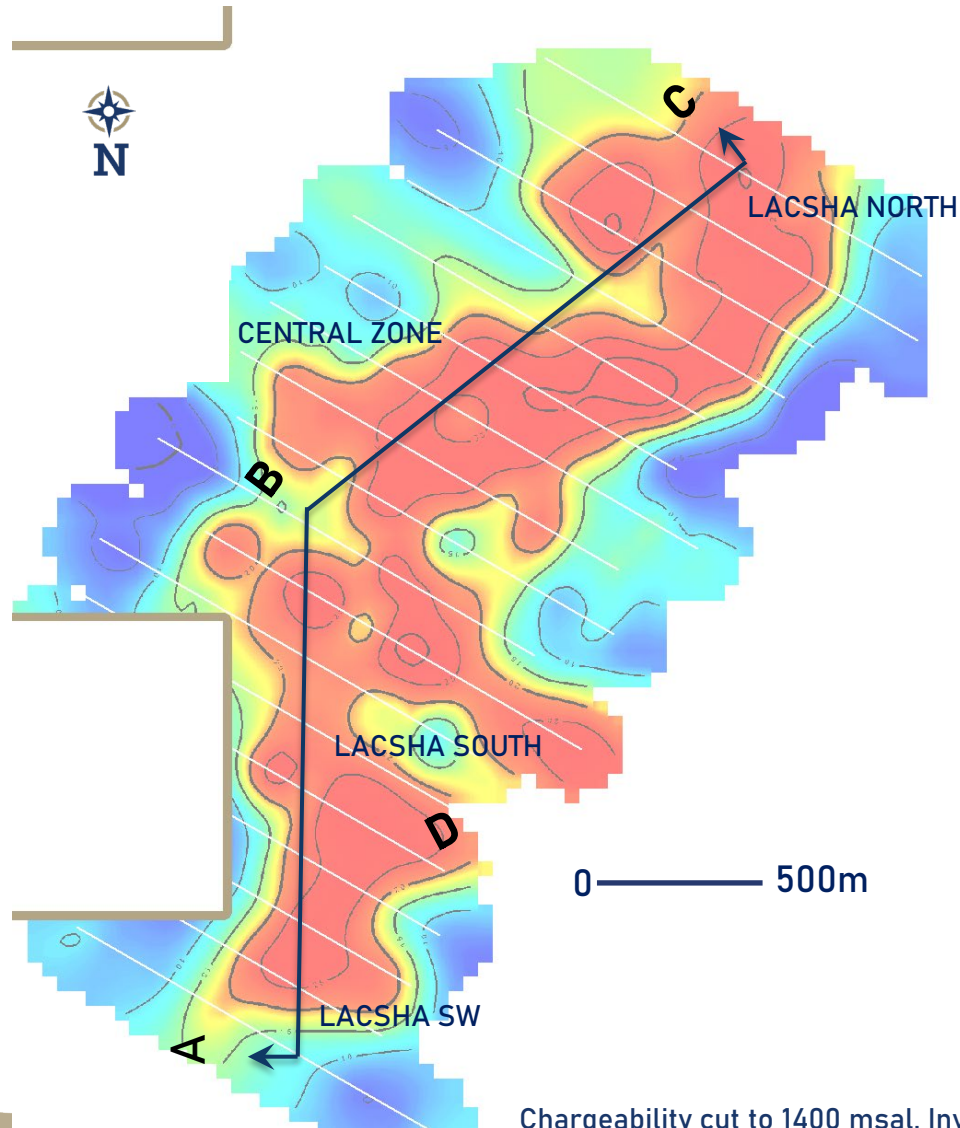
Ground Magnetic Survey

- 28 lines were surveyed, east-west direction
- Line-spacing 200m to 100m

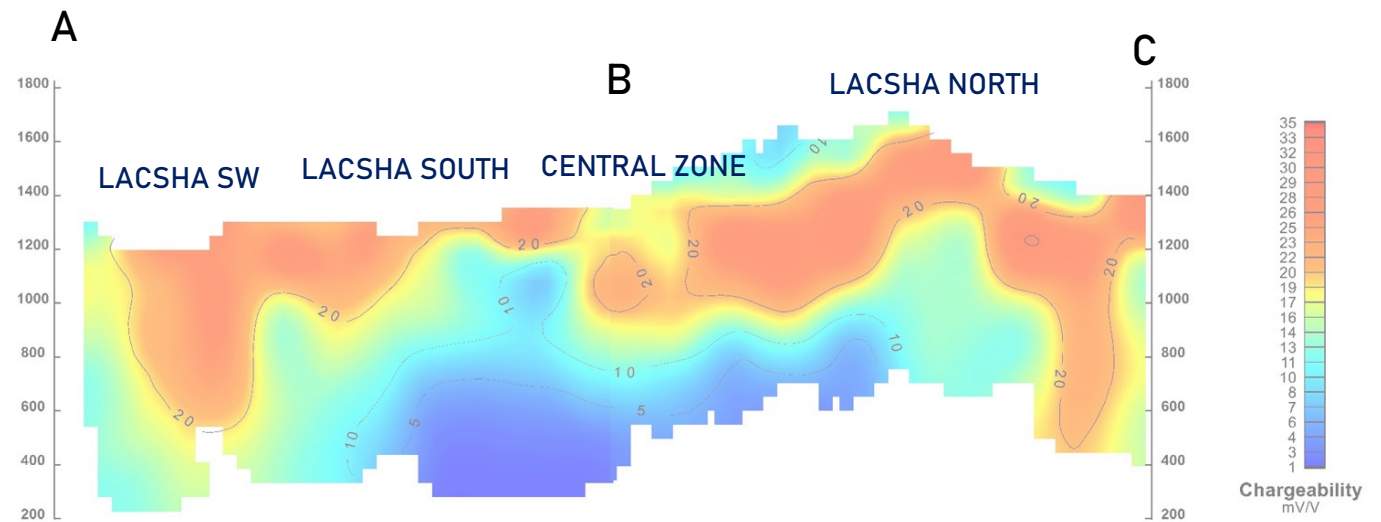


Reduce to Pole , Ground MAG, Inversion model by Zissou

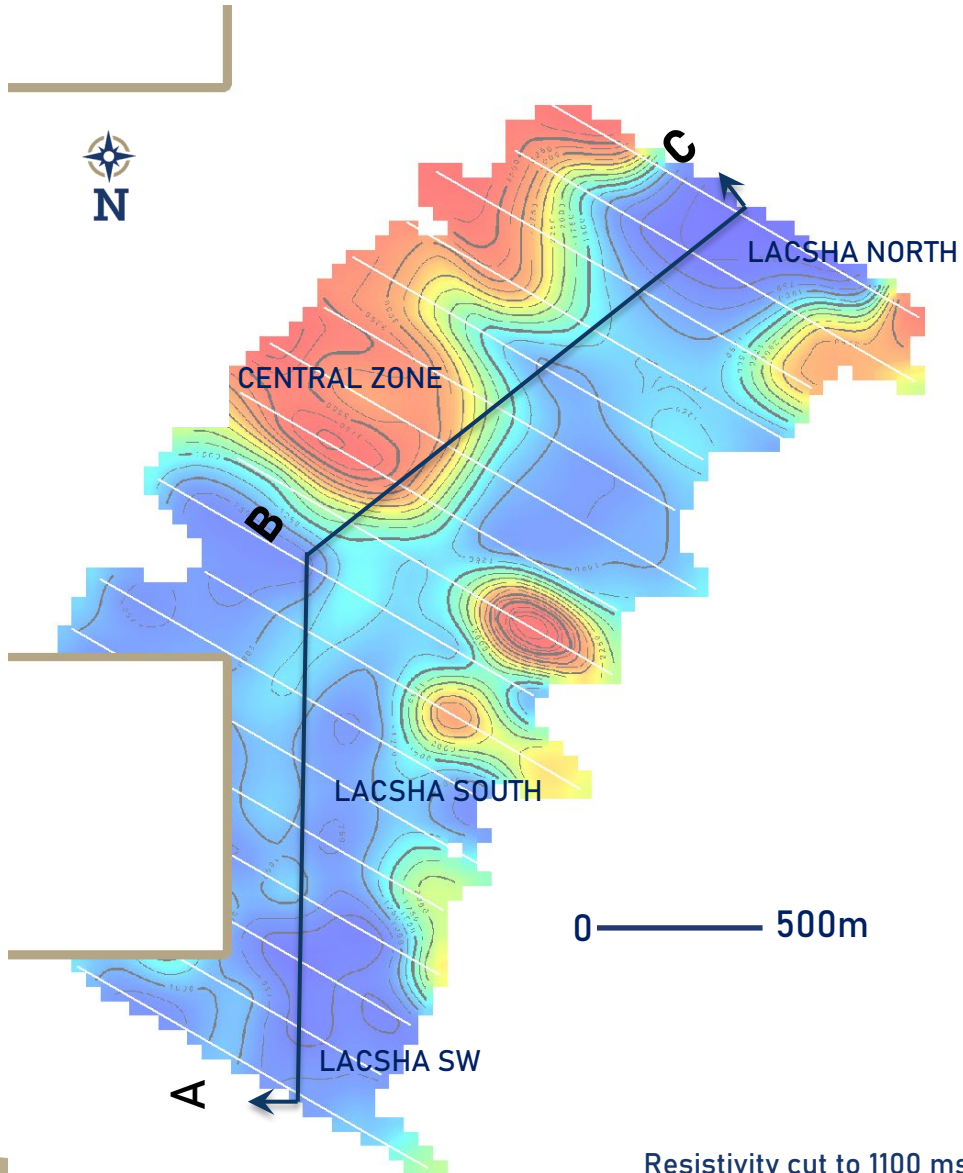




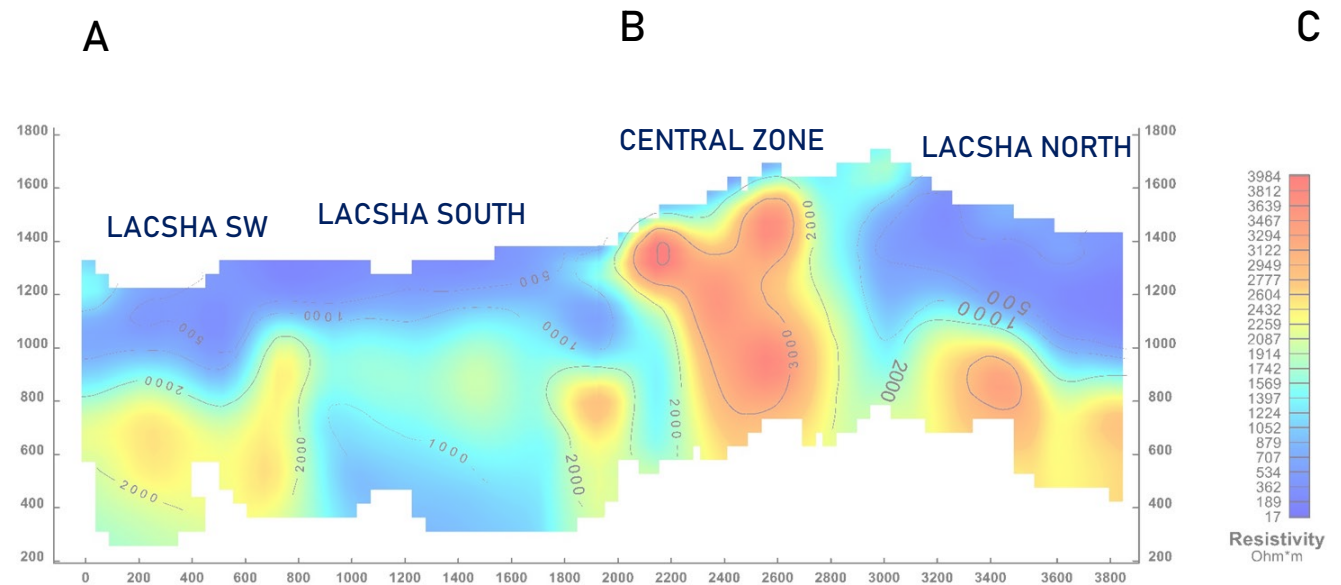
- 18 lines were surveyed, northwest-southeast direction
- Very significant anomalies with high chargeability in the principal areas of exploration
- Correlating well with surface geochemistry.



Chargeability cut to 1400 msal, Inversion by Zissou



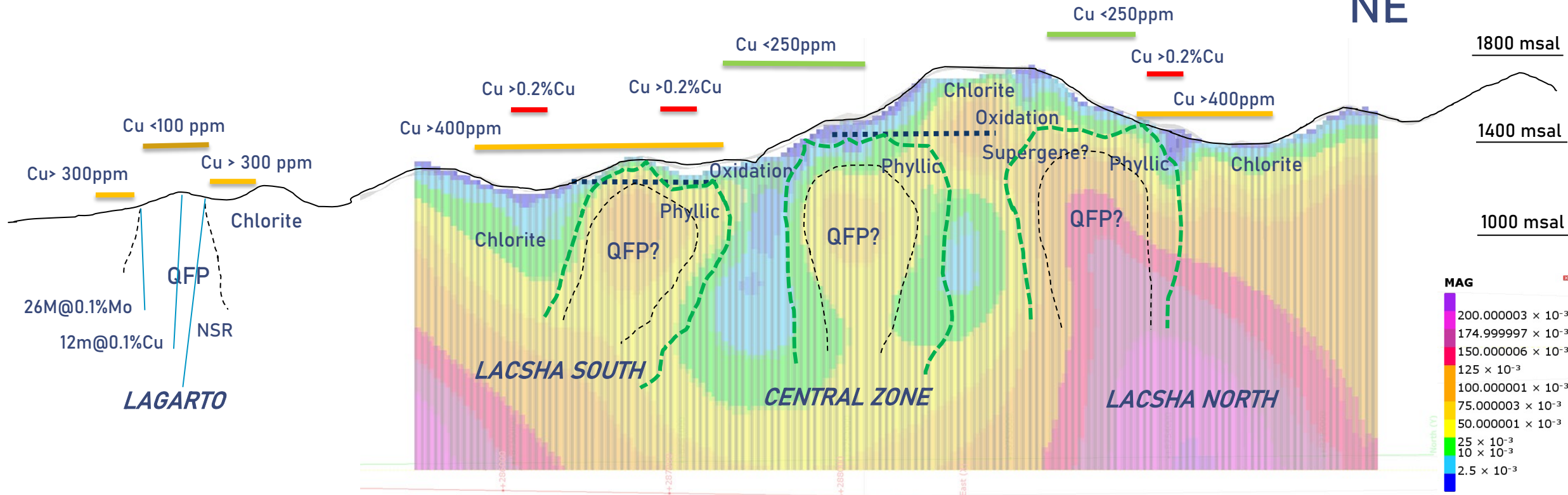
- 18 lines were surveyed, northwest-southeast direction
- Faults imaged with strong contrasts



Resistivity cut to 1100 msal , inversion by Zissou

SW

NE



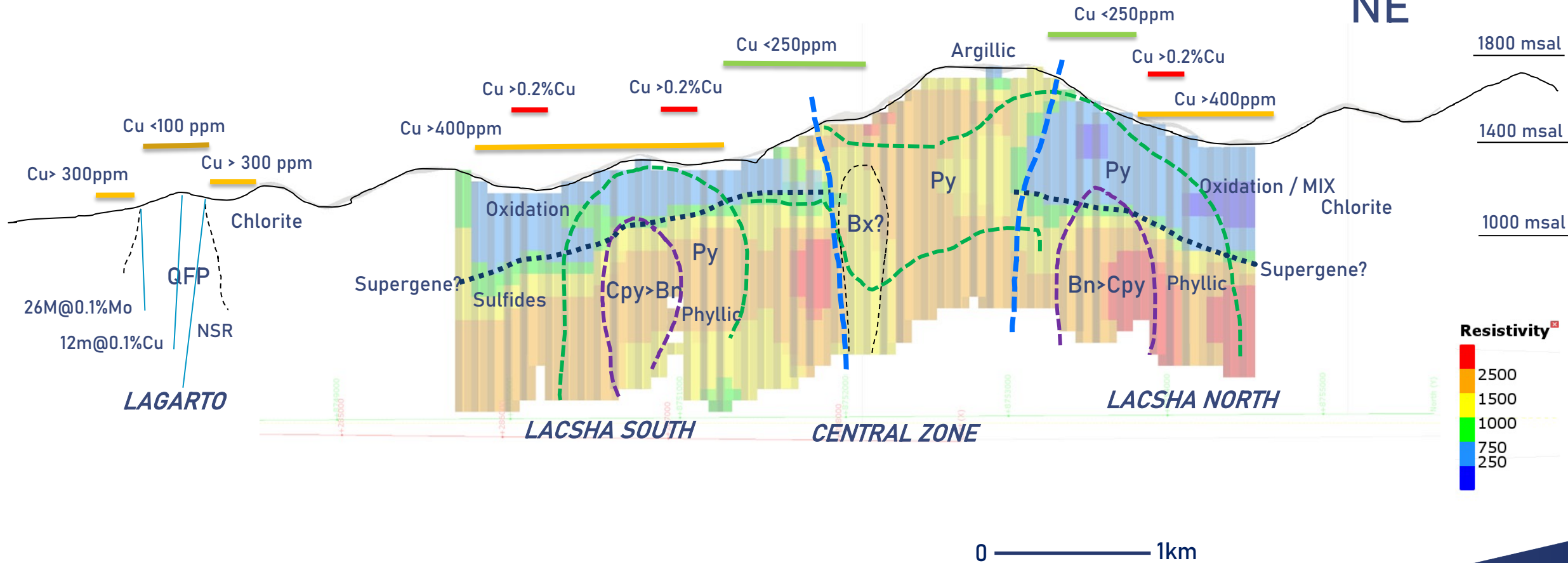
Lagarto area has historical drilling



Resistivity Interpretation

SW

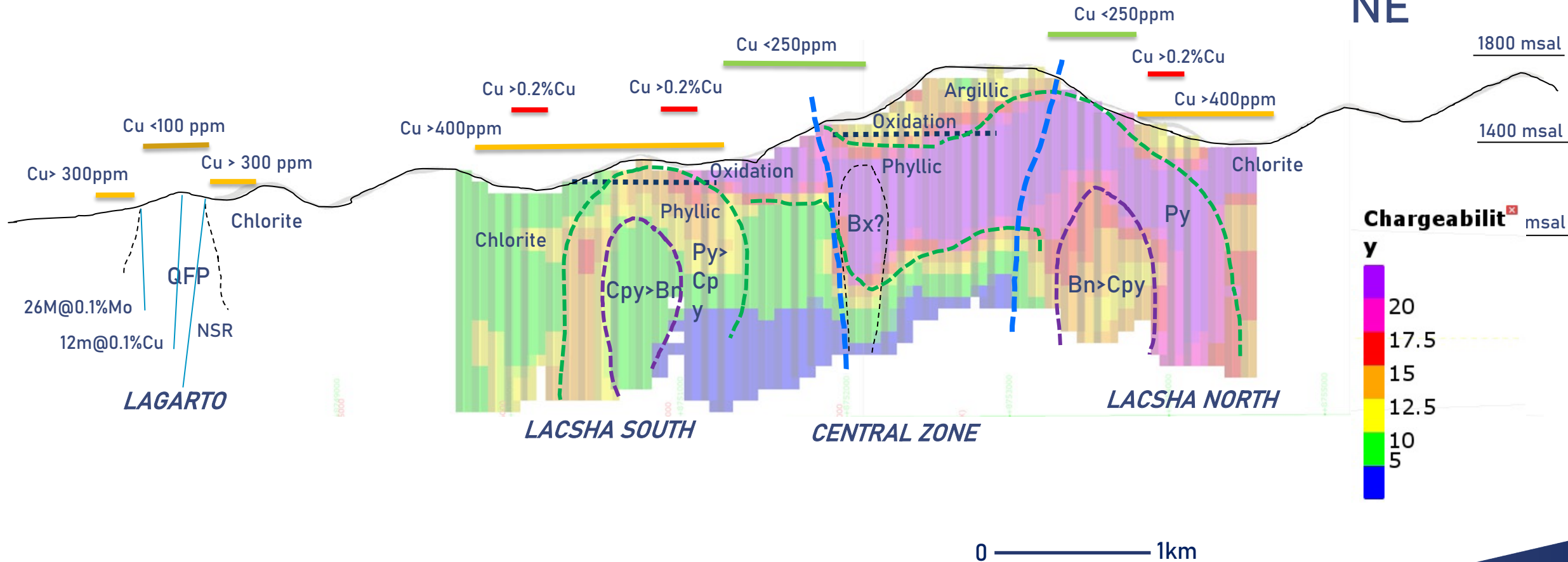
NE



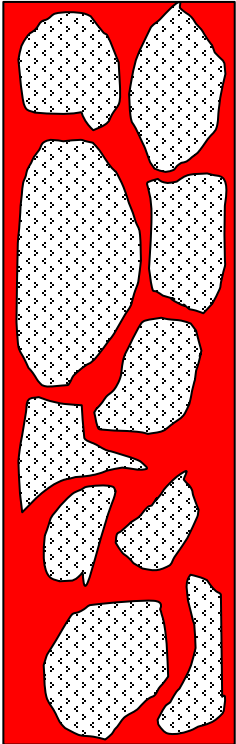
Chargeability Interpretation

SW

NE

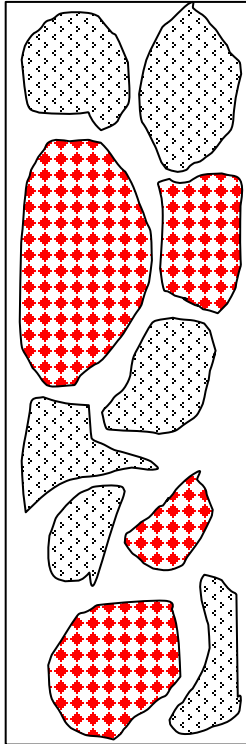


Mineralization Styles & Target Model

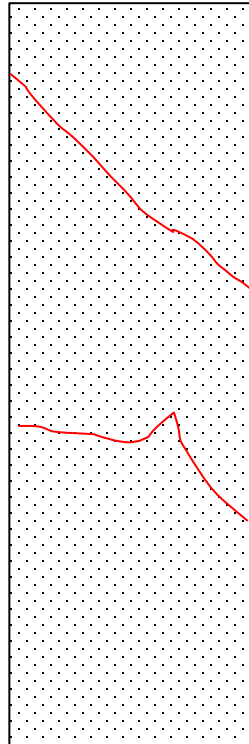


Breccia

Sulfide Matrix:
High CHARGABILITY
(Cu-Fe Content)
Low MAGNETIC (Strong
Alteration).

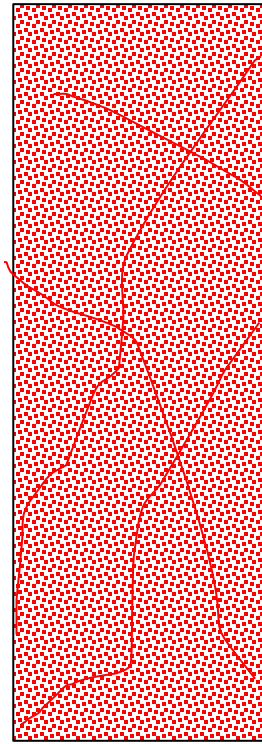


Clast with disseminated
sulfides:
Moderate CHARGABILITY
(disseminated content)
High MAGNETIC
(Moderate Alteration)

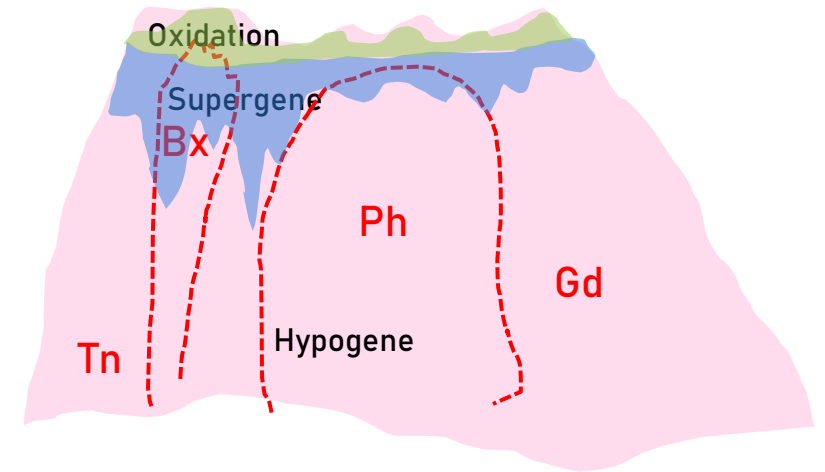


Veinlets & Stockwork

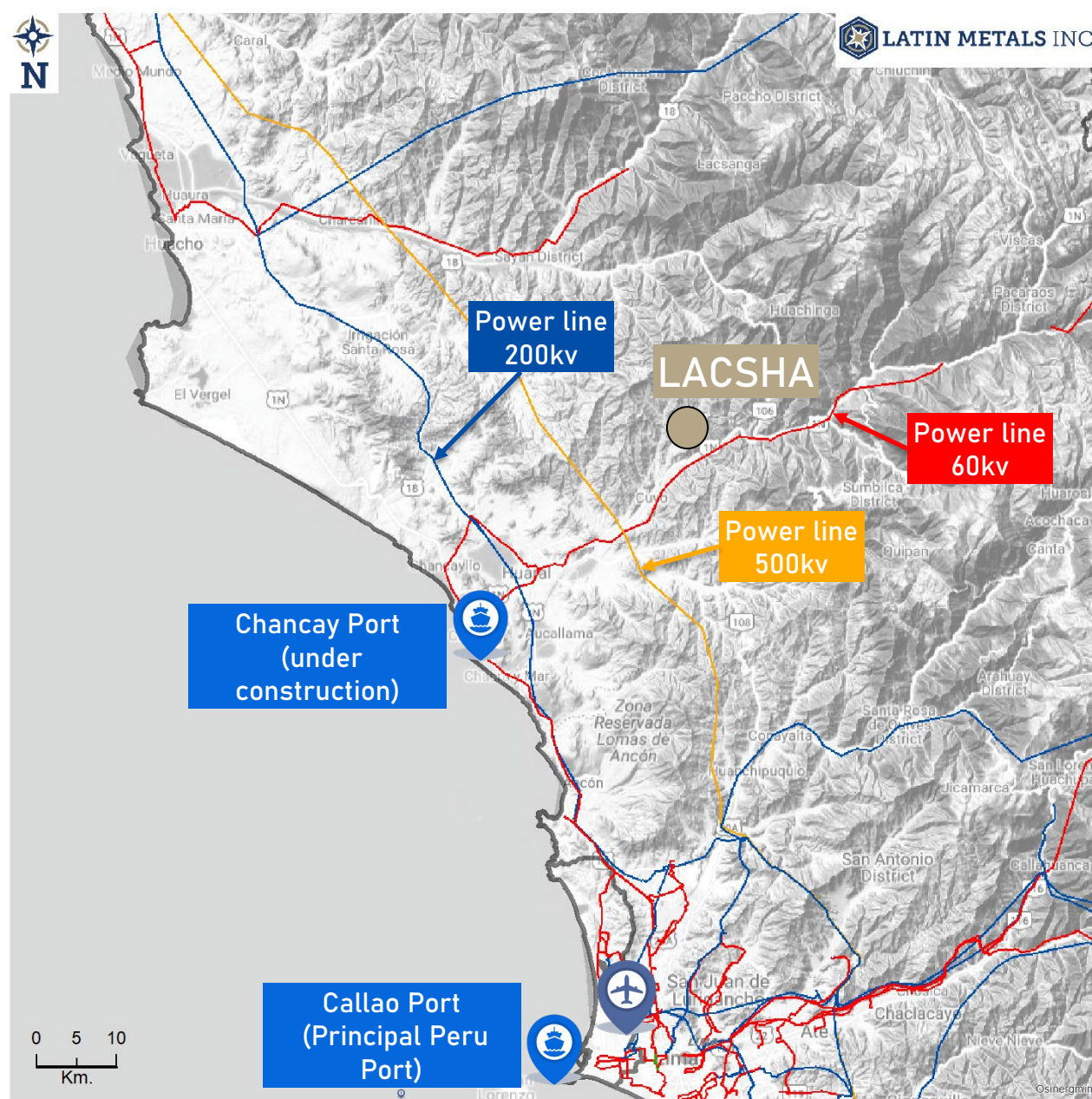
Granodiorite:
Moderate
CHARGIABILITY
High MAGNETIC



Porphyries:
Moderate to High
CHARGIABILITY
HIGH MAGNETIC



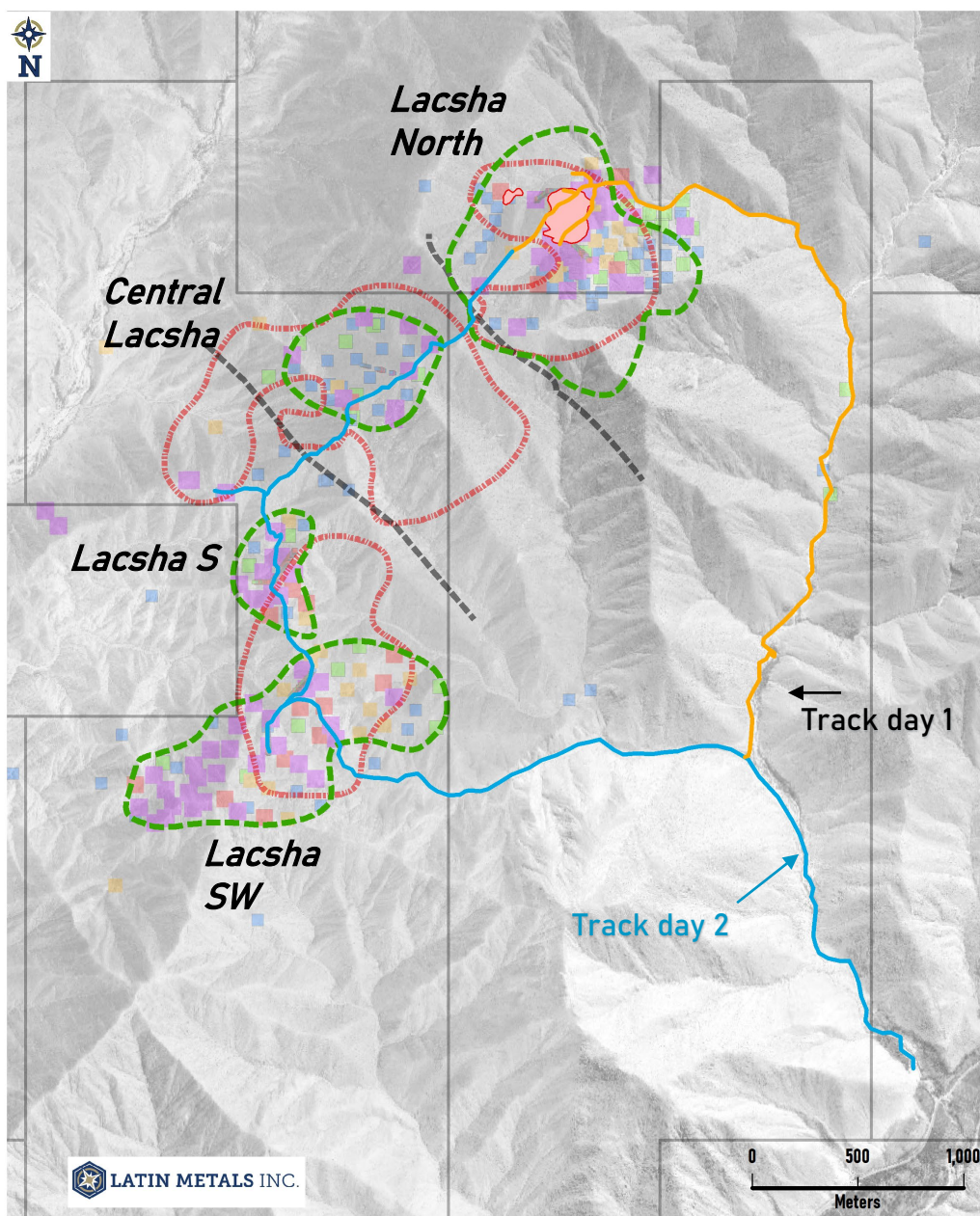
Model Bx = Breccia
Ph = Porphyry
Gd / Tn = Granodiorite / Tonalite



- Favorable location
- 90km north of Lima
- 40km east of the new port of Chancay – 70% complete
- <5km from a 60kv power line and 12km from a 500kv power line



Field Visit Itinerary



Day 1

Starting visit from Totoral stream.
Visiting Lacsha Southwest
Lacsha South
Ending in Totoral stream.

Day 2

Starting in Totoral stream.
Full day in Lachsa North.
Ending in Totoral stream.

Lithology

 Porphyritic Dacite With Qz stockwork

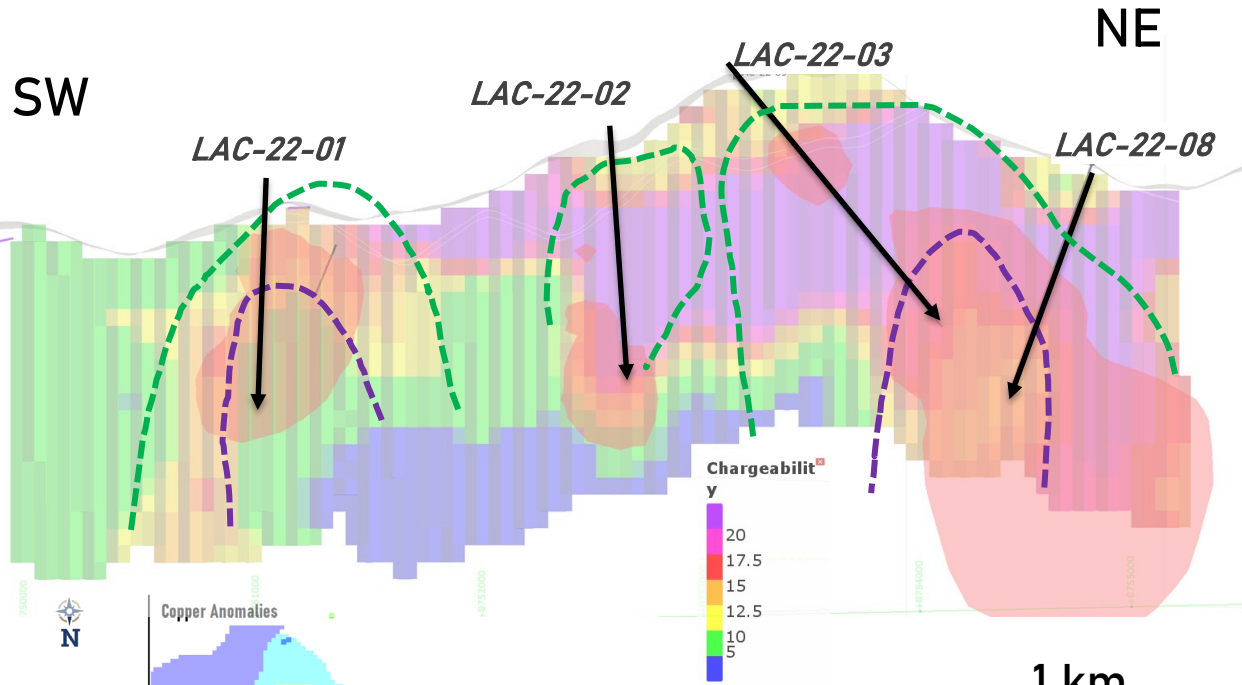
Geophysics

 High Chargeability
 Resistivity Breaks
 High-Moderate Ground MAG

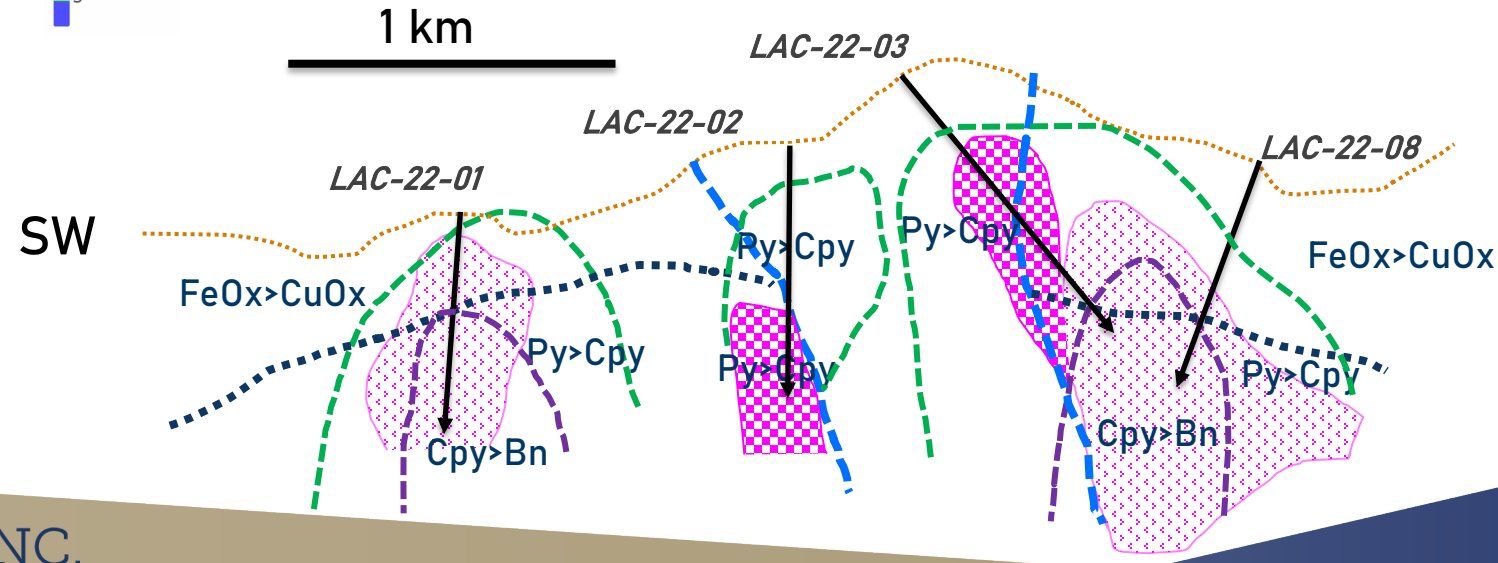
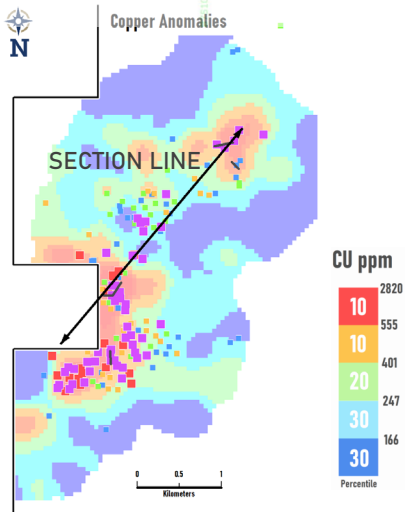
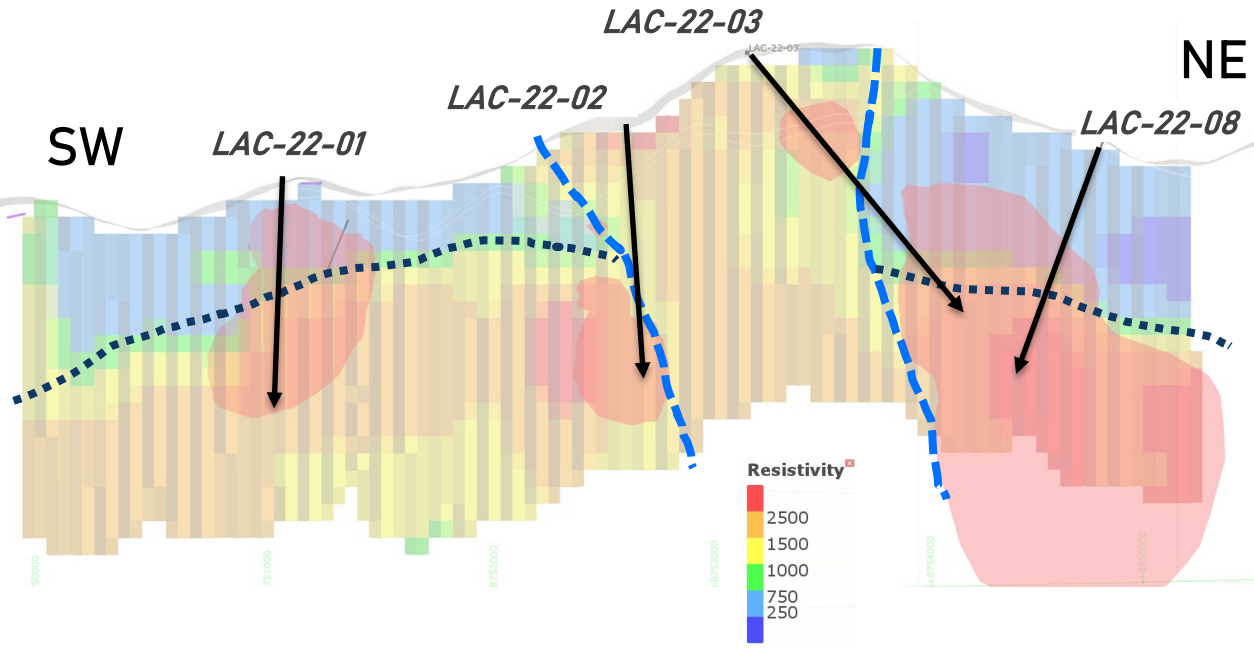
Appendix – Schematic Sections / Drill Targets



MAG vs CHARGEABILITY

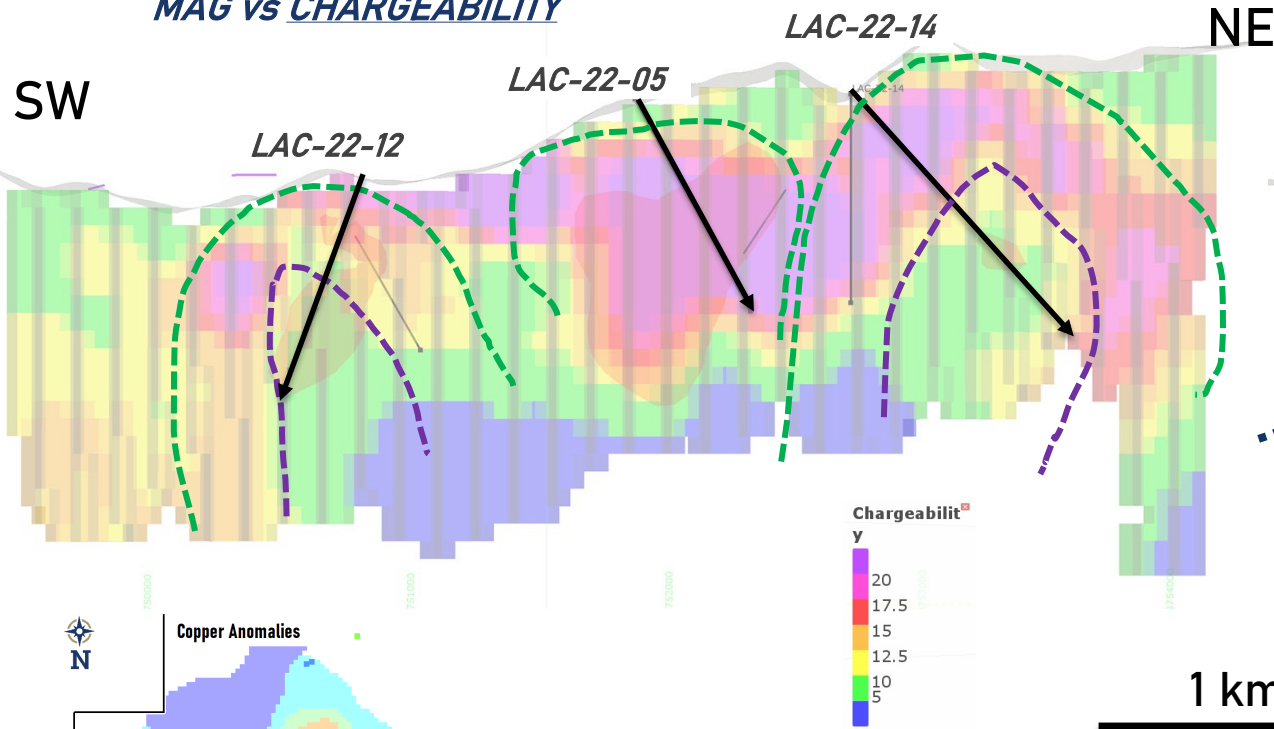


MAG vs RESISTIVITY

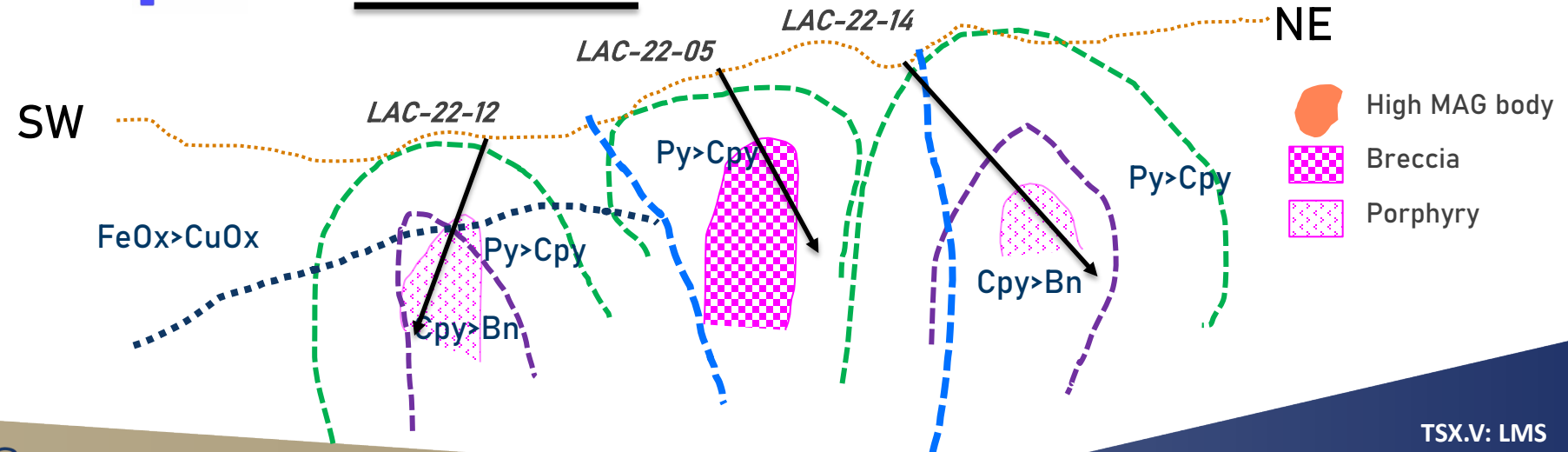
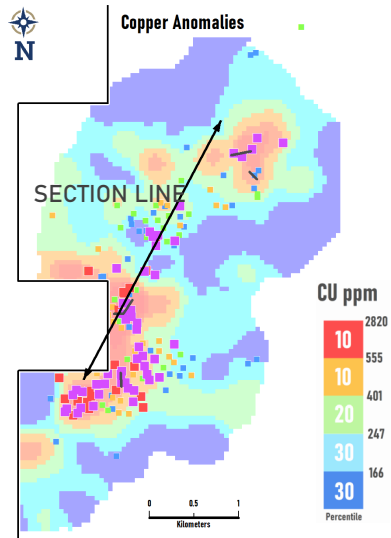
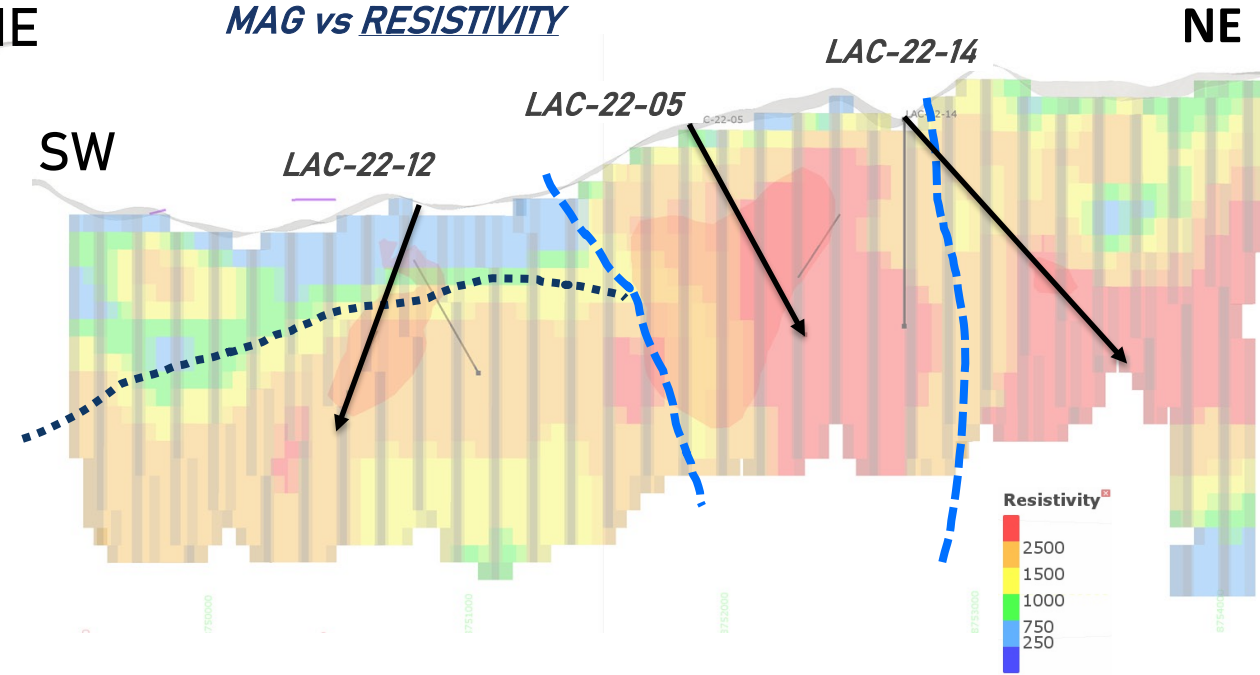


- High MAG body
- Breccia
- Porphyry

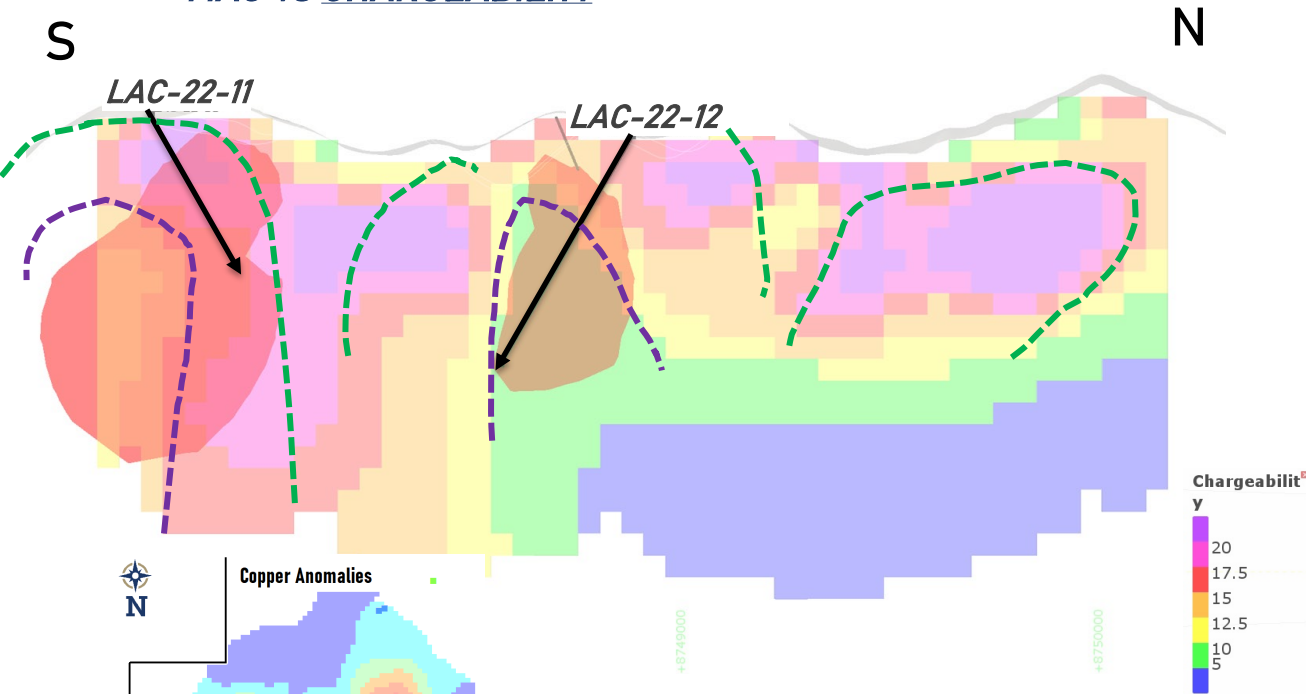
MAG vs CHARGEABILITY



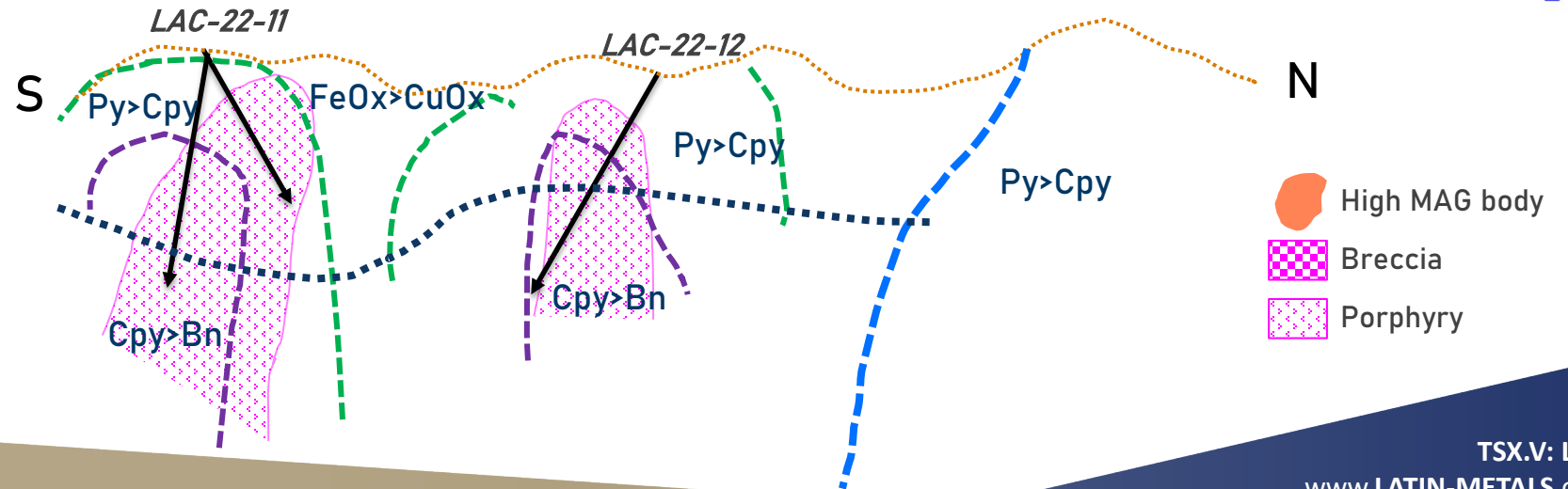
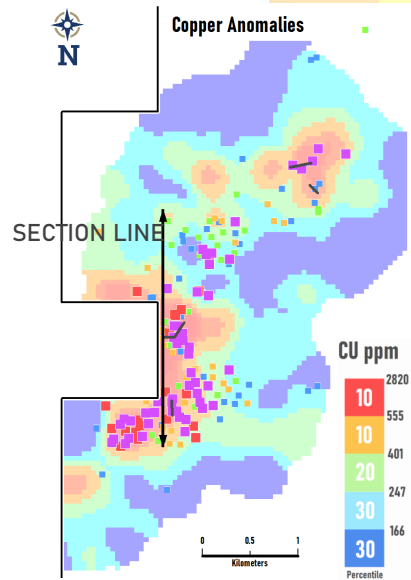
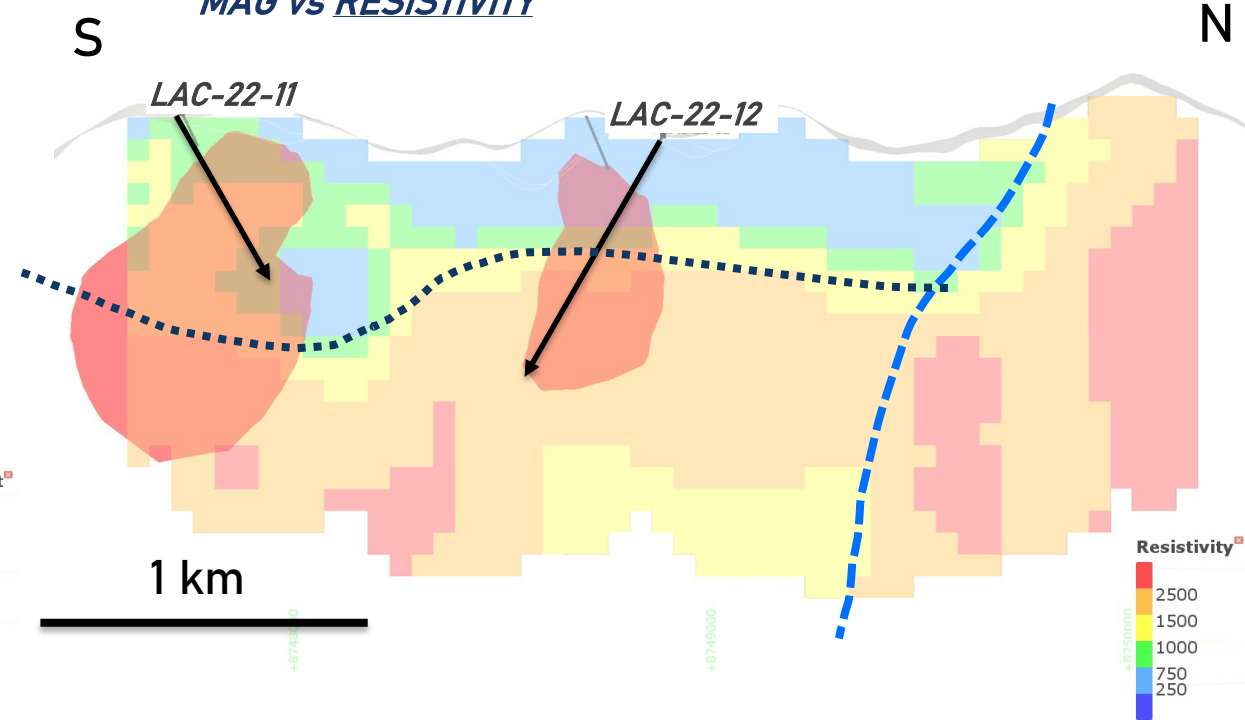
MAG vs RESISTIVITY



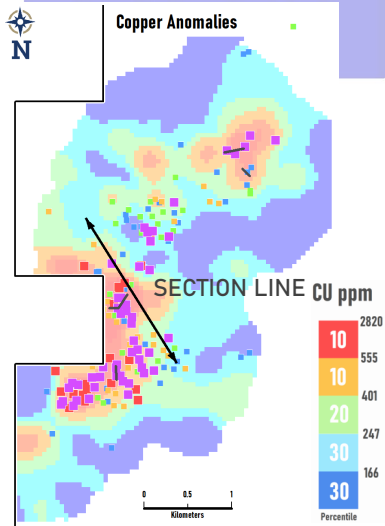
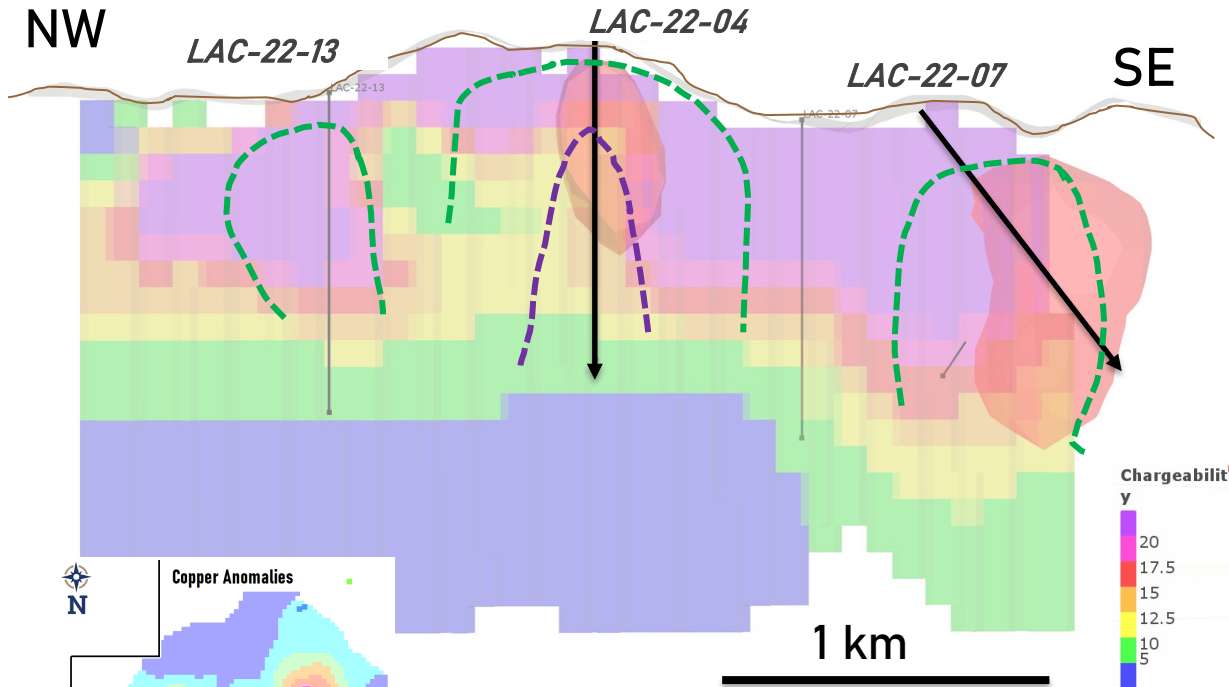
MAG vs CHARGEABILITY



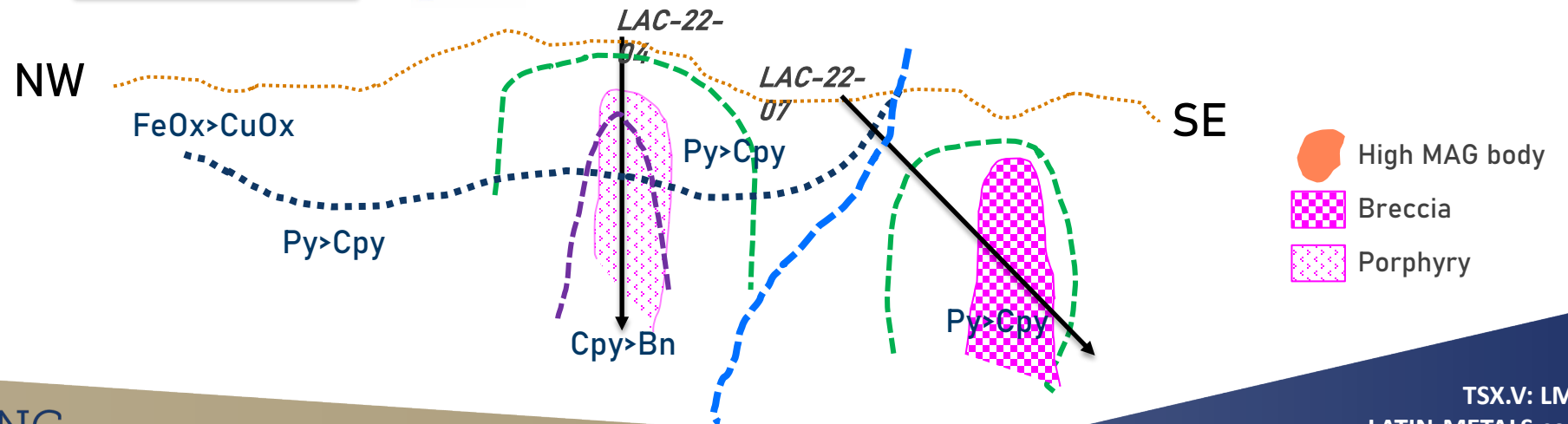
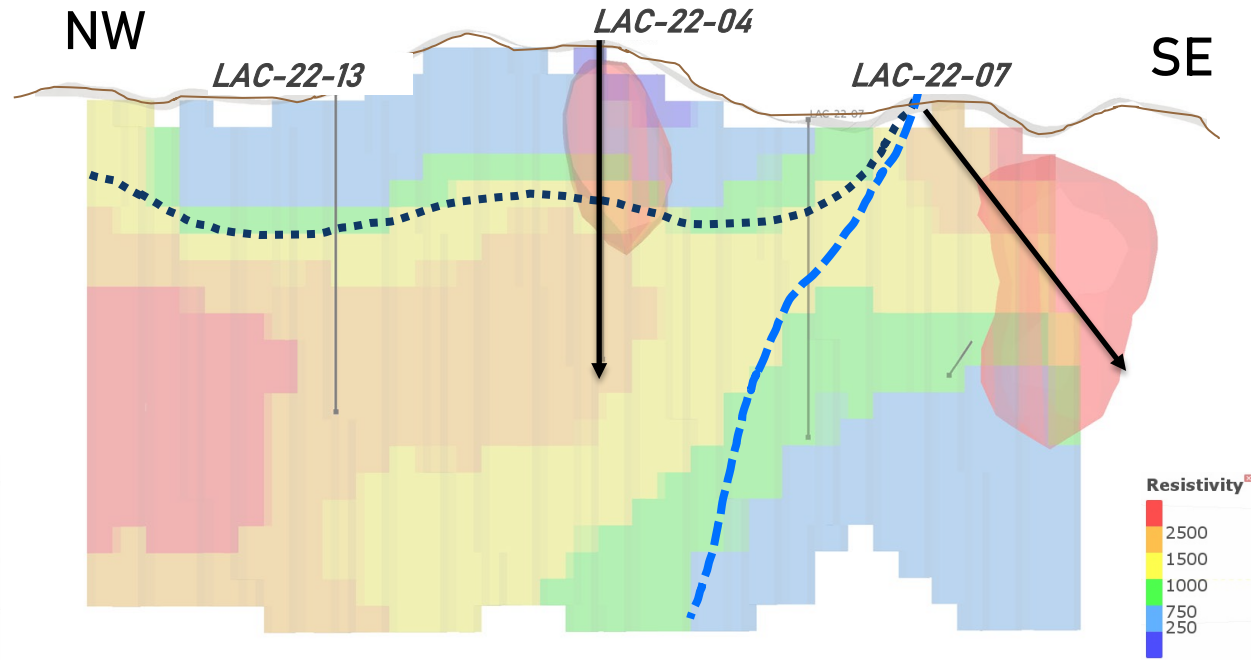
MAG vs RESISTIVITY



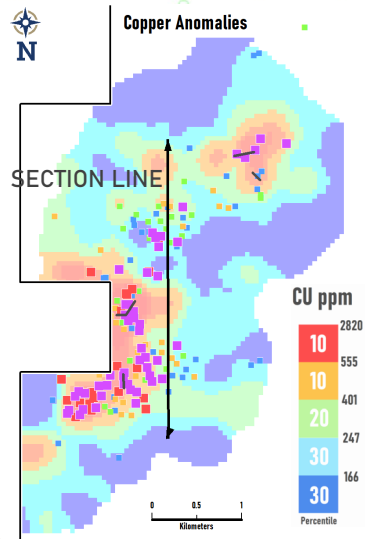
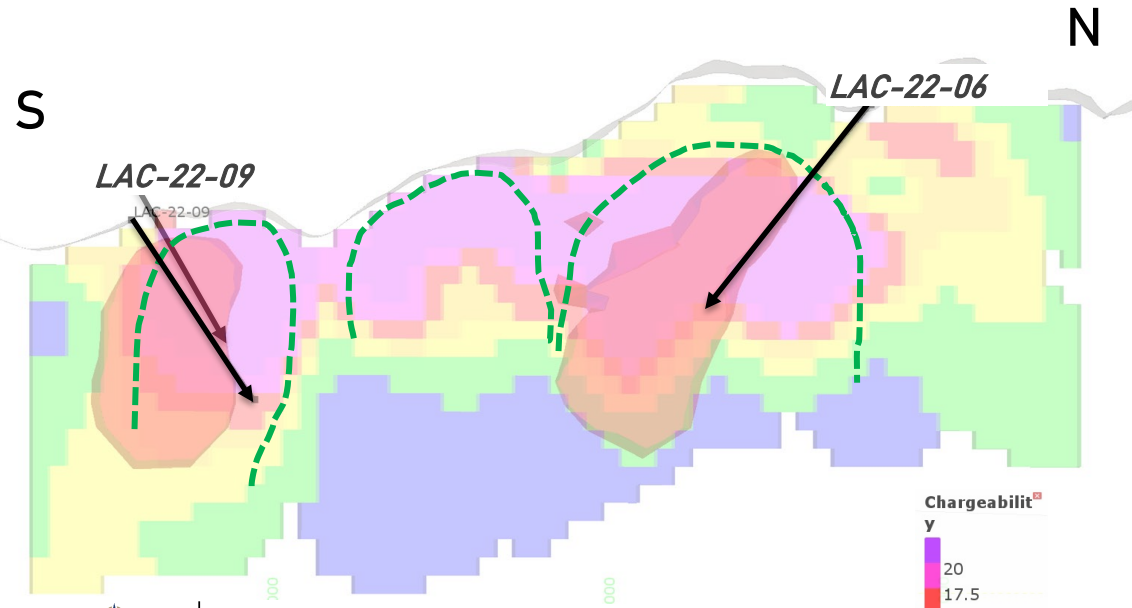
MAG vs CHARGEABILITY



MAG vs RESISTIVITY



MAG vs CHARGEABILITY



MAG vs RESISTIVITY

