PORVENIR PROJECT

TECHNICAL PRESENTATION
Au-Ag EPITHERMAL

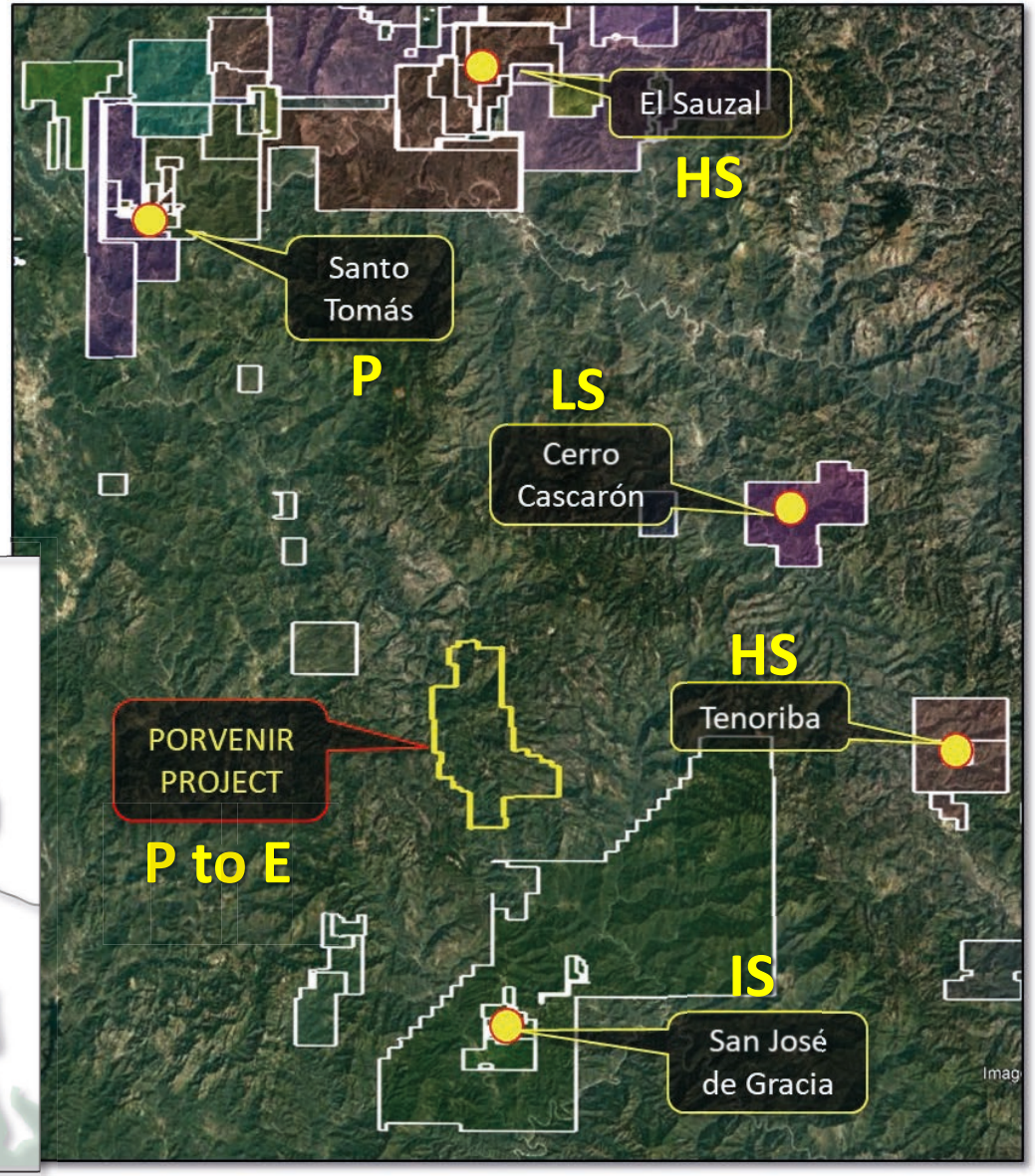
GrupoMineroDiflor

Gold, Silver & Base Metals Mining District within the Sierra Madre Gold Belt

Location & neighbors

WELL-ADDRESSED PROJECT

- ✓ **Safe and friendly** mining district
- ✓ **Easy access** used for timber
- ✓ **Electricity and water** directly on site
- ✓ **Tier 1 structure** along the claim block
- ✓ Extensive **high grade** along a **cumulated 10 km-long deep seated feeder structure**
- ✓ **Porphyry to epitermal system**



Claim block / exploration history

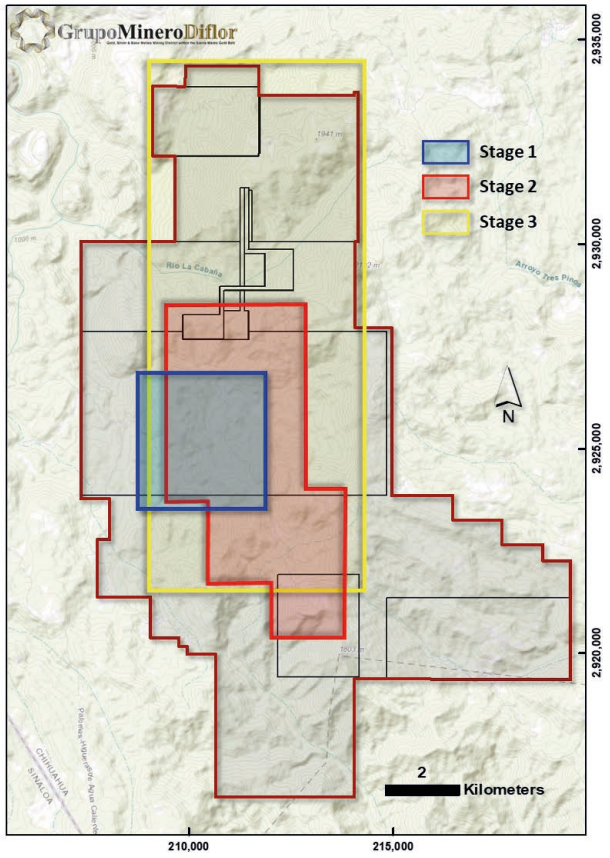
PROPERTY

Consolidated ground with 11,879 has – acquisition + staking open ground

Control by Grupo Minero Diflor

>70 mineral occurrences – Porhyry-style, manto/CRD, epithermal veins / breccias

Exploration history: ONLY DIFLOR – 3 stages



Stage 1

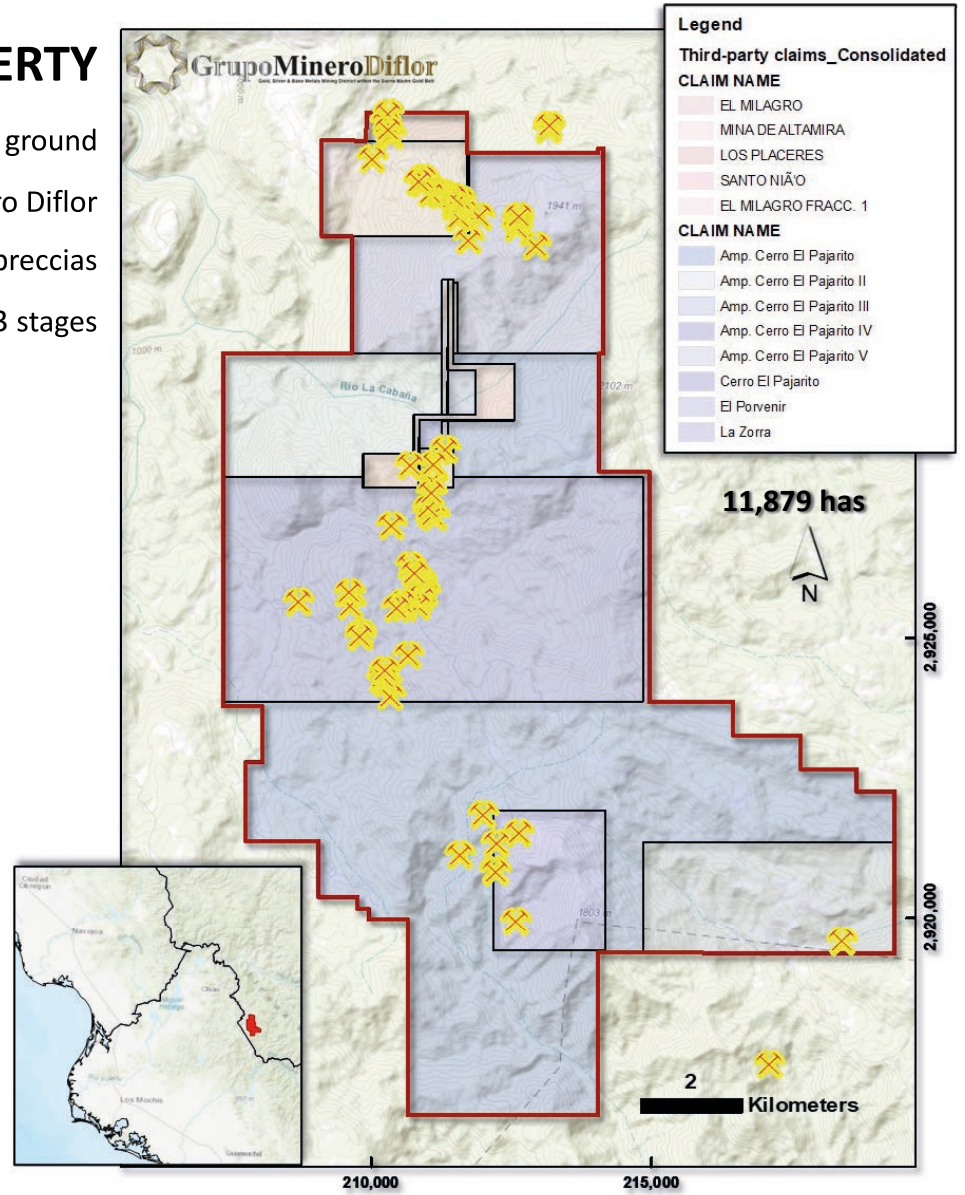
- Recon geology / sampling
- 4.4-line km IP survey
- 381.40m core drilling

Stage 2

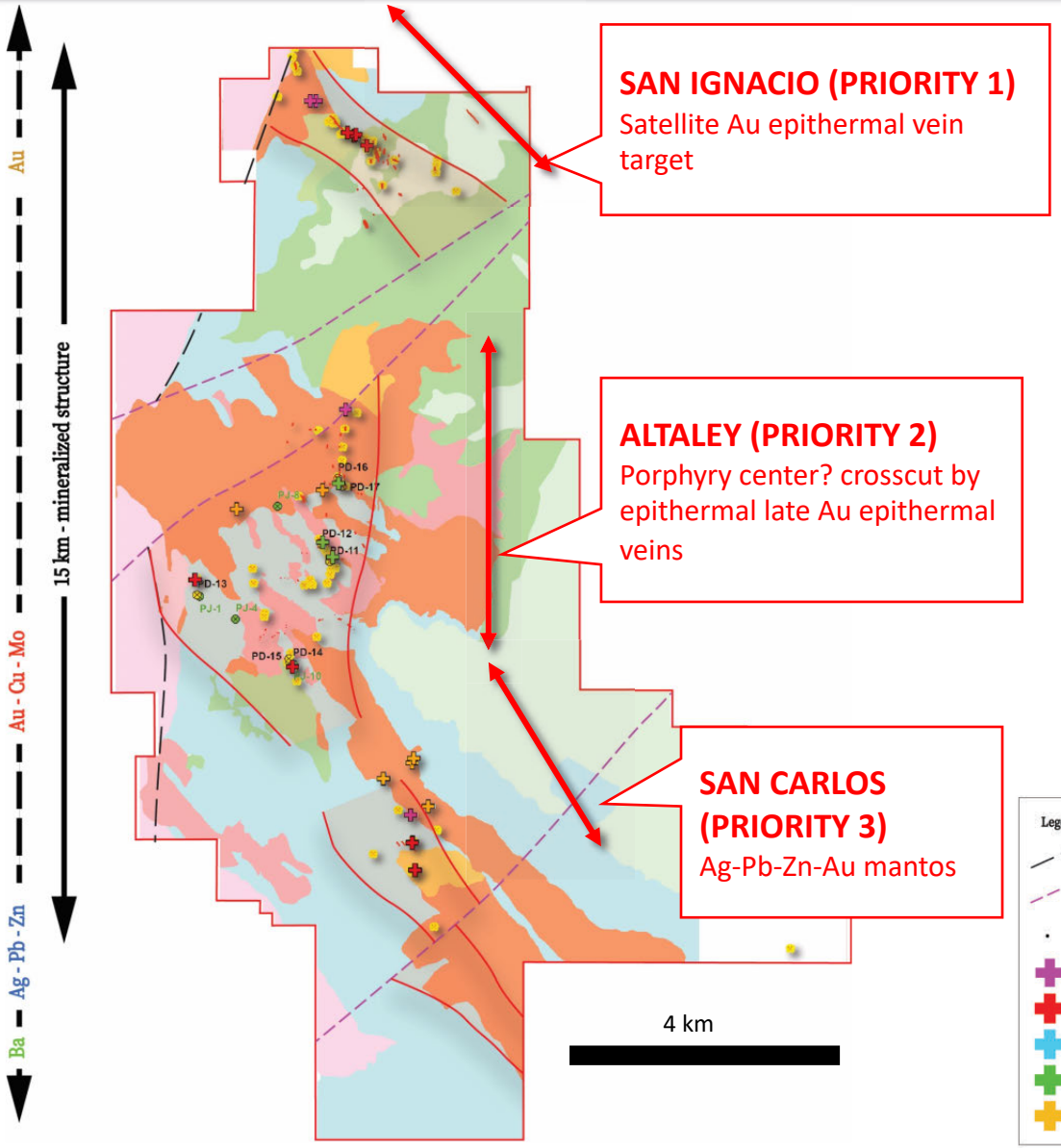
- Detail geology / sampling
- 700m core drilling

Stage 3

- Regional geology / sampling
- Trenching-channel / mineralogical studies
- 43-101 (in progress)



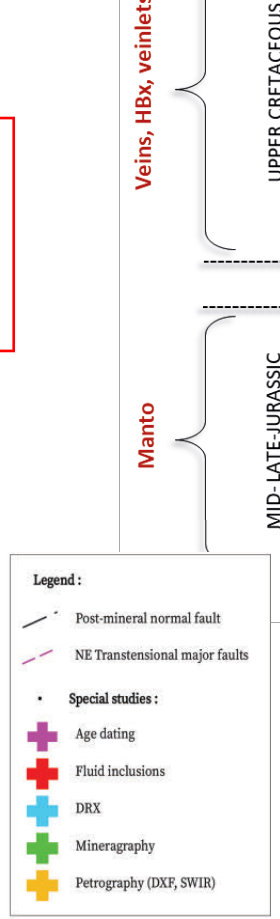
Geology & stratigraphy

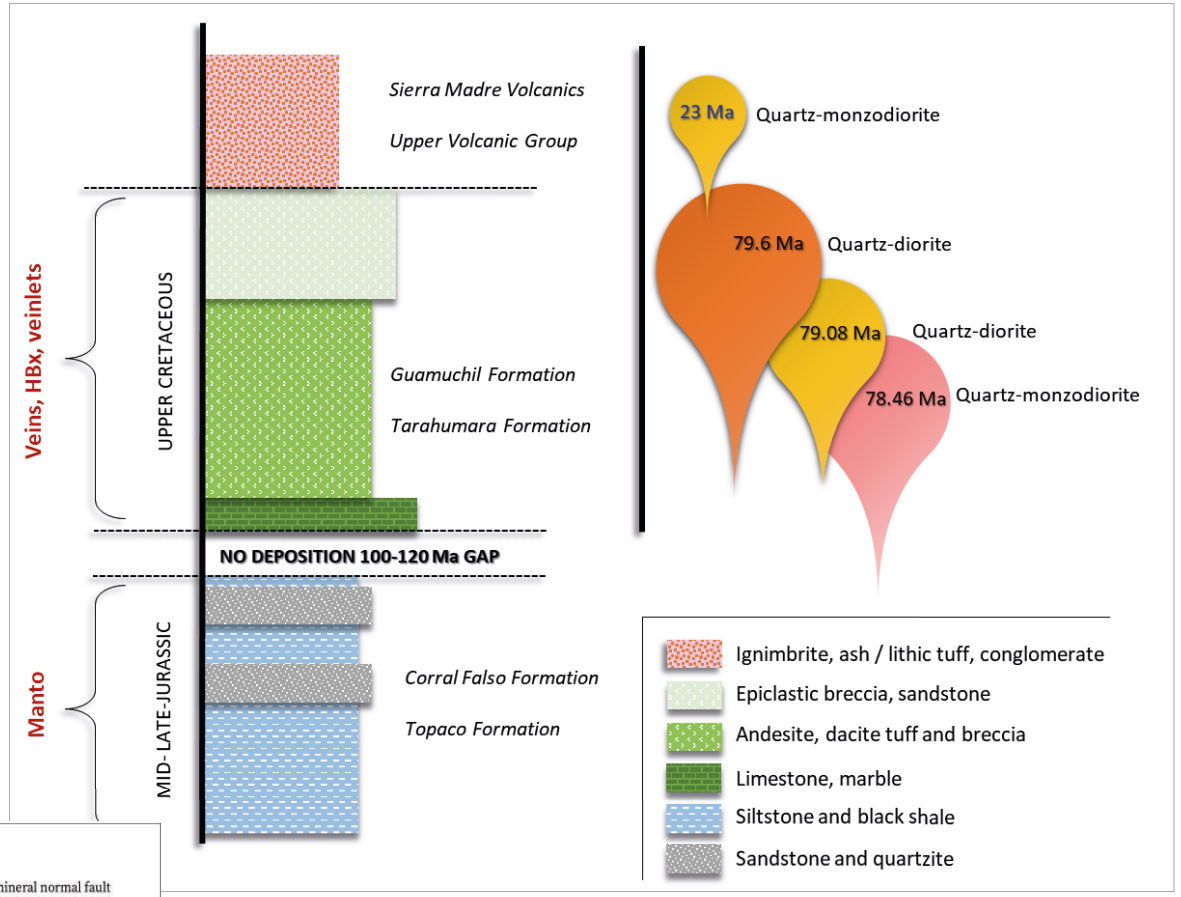


SAN IGNACIO (PRIORITY 1)
Satellite Au epithermal vein target

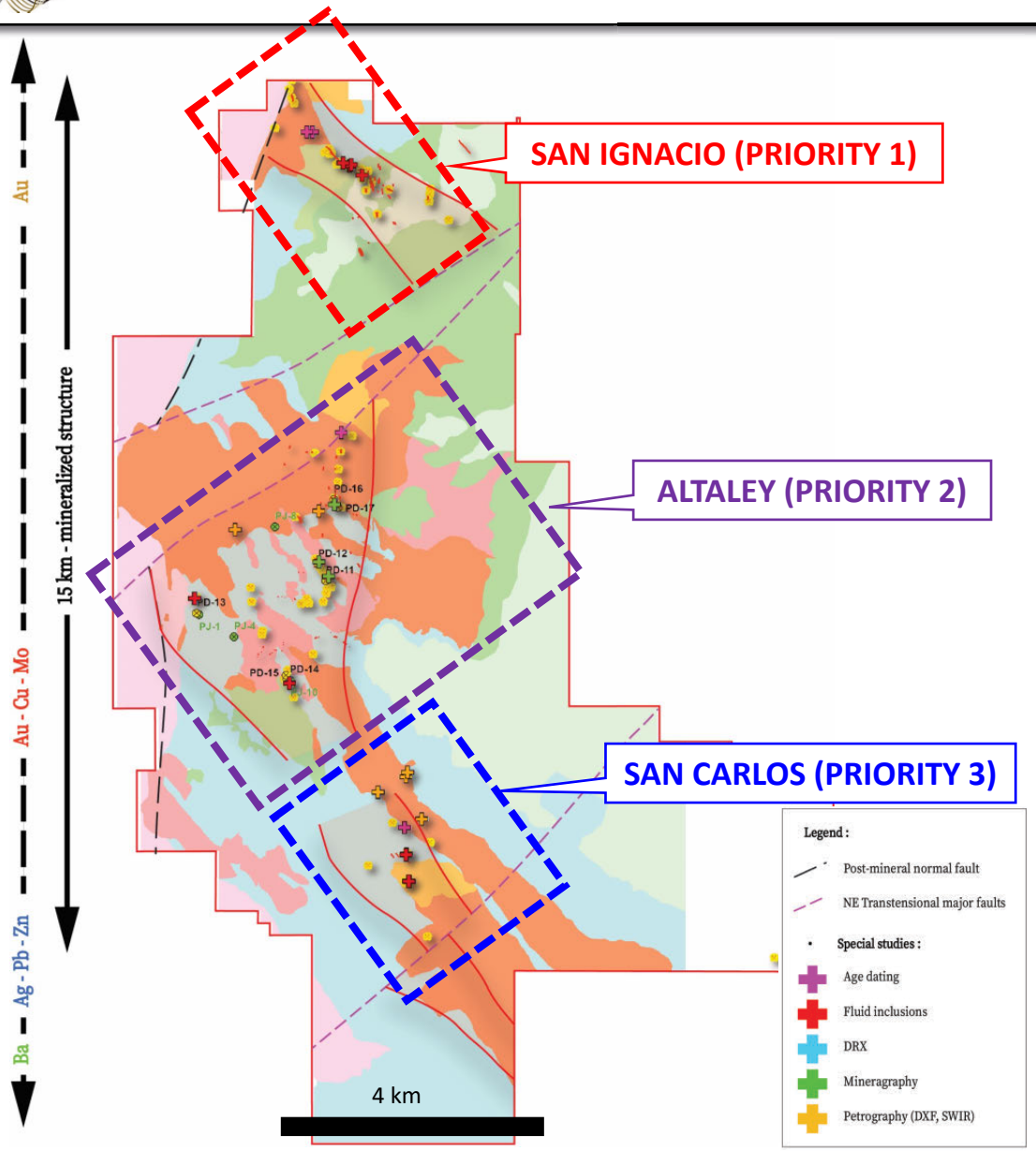
ALTALEY (PRIORITY 2)
Porphyry center? crosscut by epithermal late Au epithermal veins

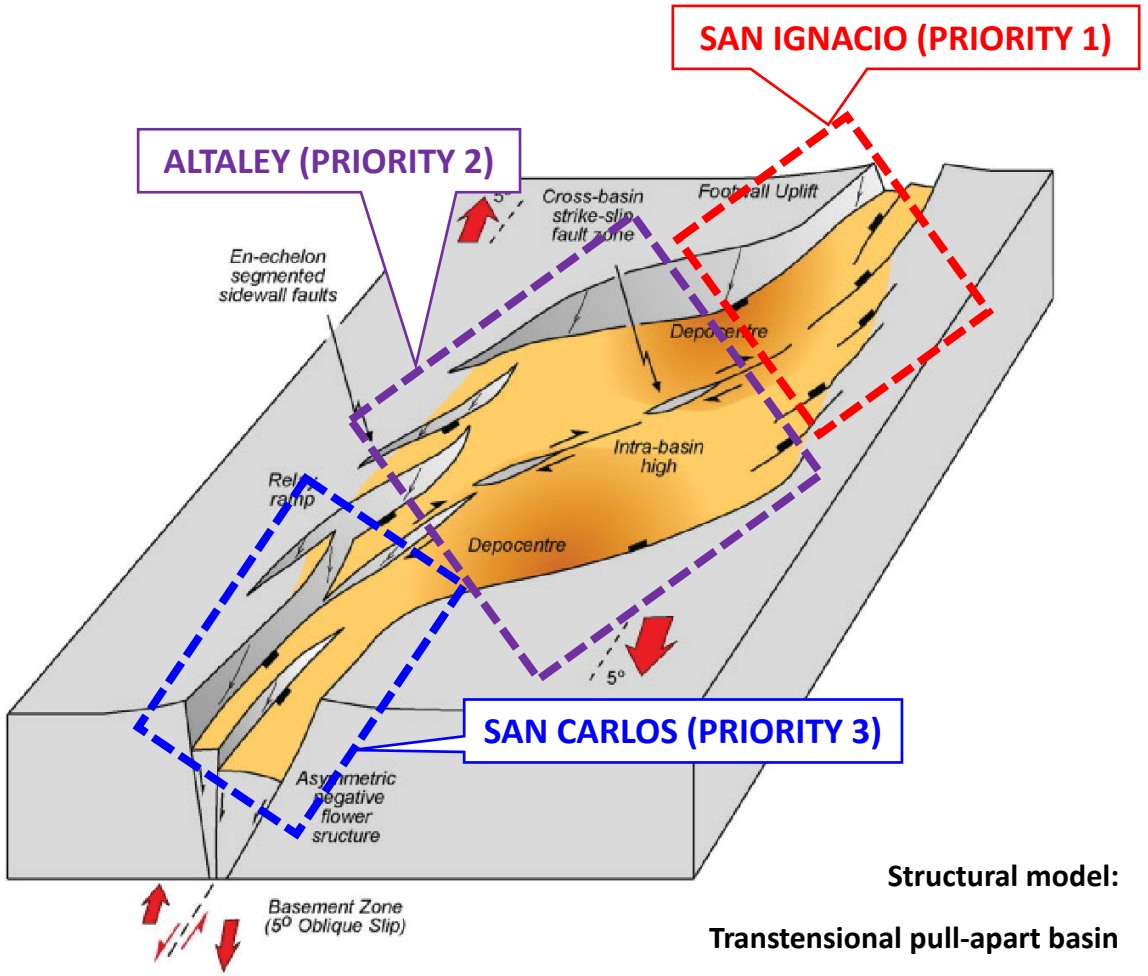
SAN CARLOS (PRIORITY 3)
Ag-Pb-Zn-Au mantos





Geological - Structural Model: Pull-apart basin





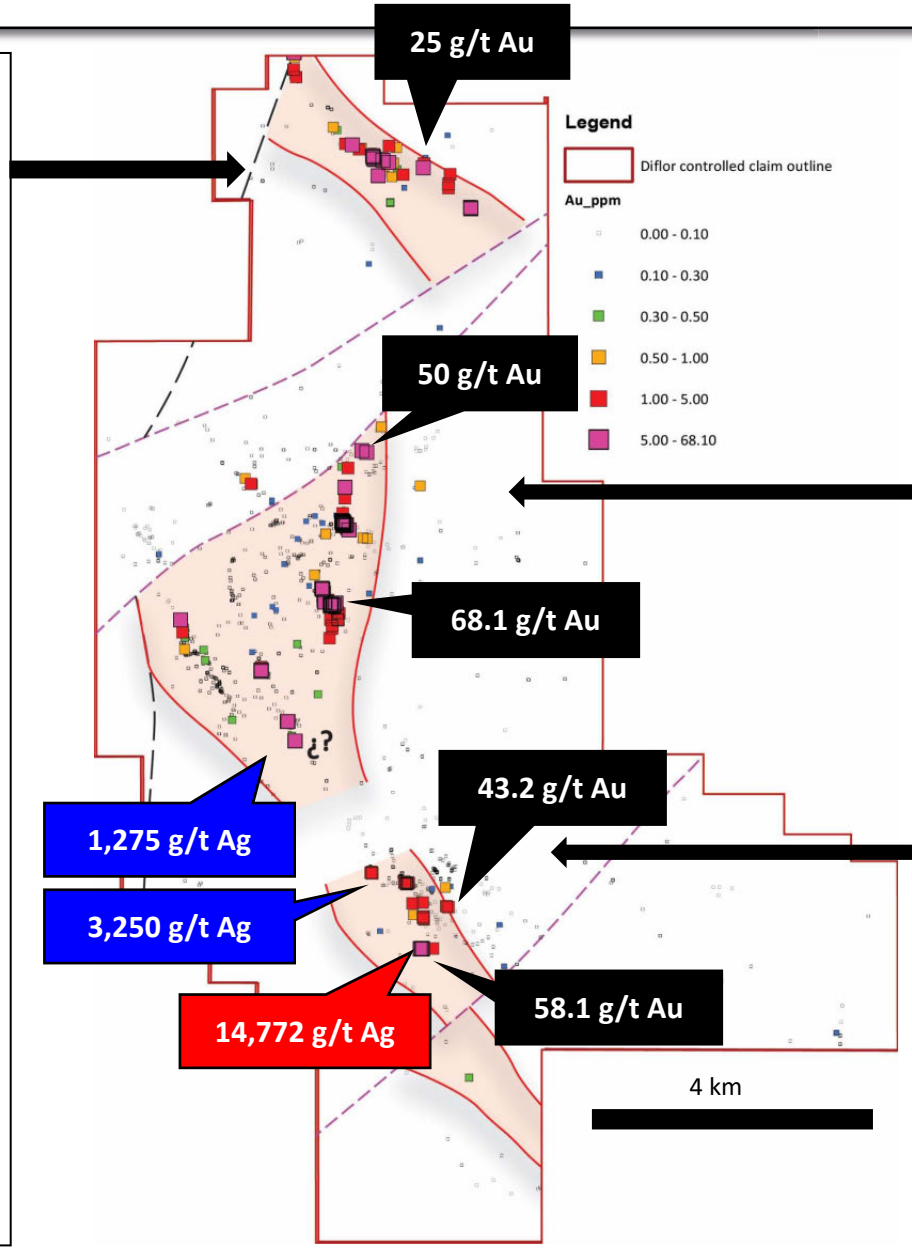
Structural model:

Transtensional pull-apart basin

Figure modified from Wu et al. 2009

Targets & Mineralization

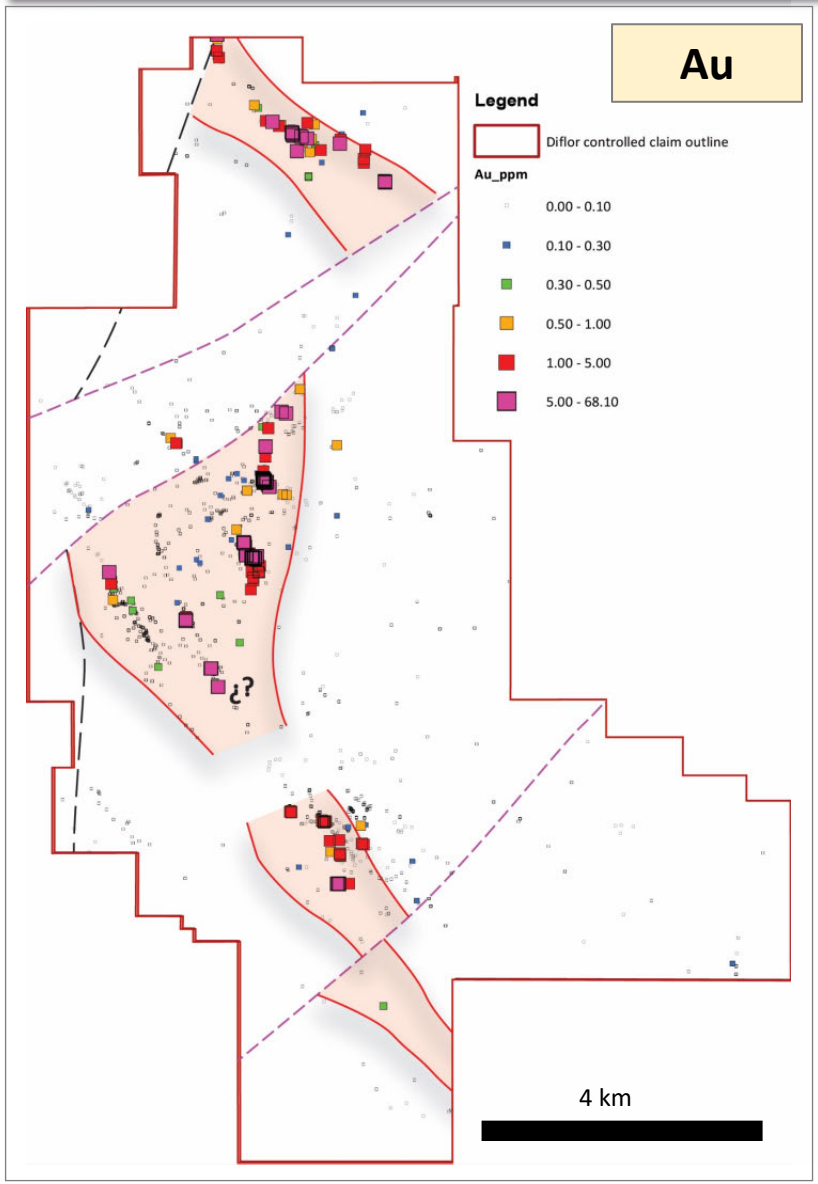
Vein texture variations to the north

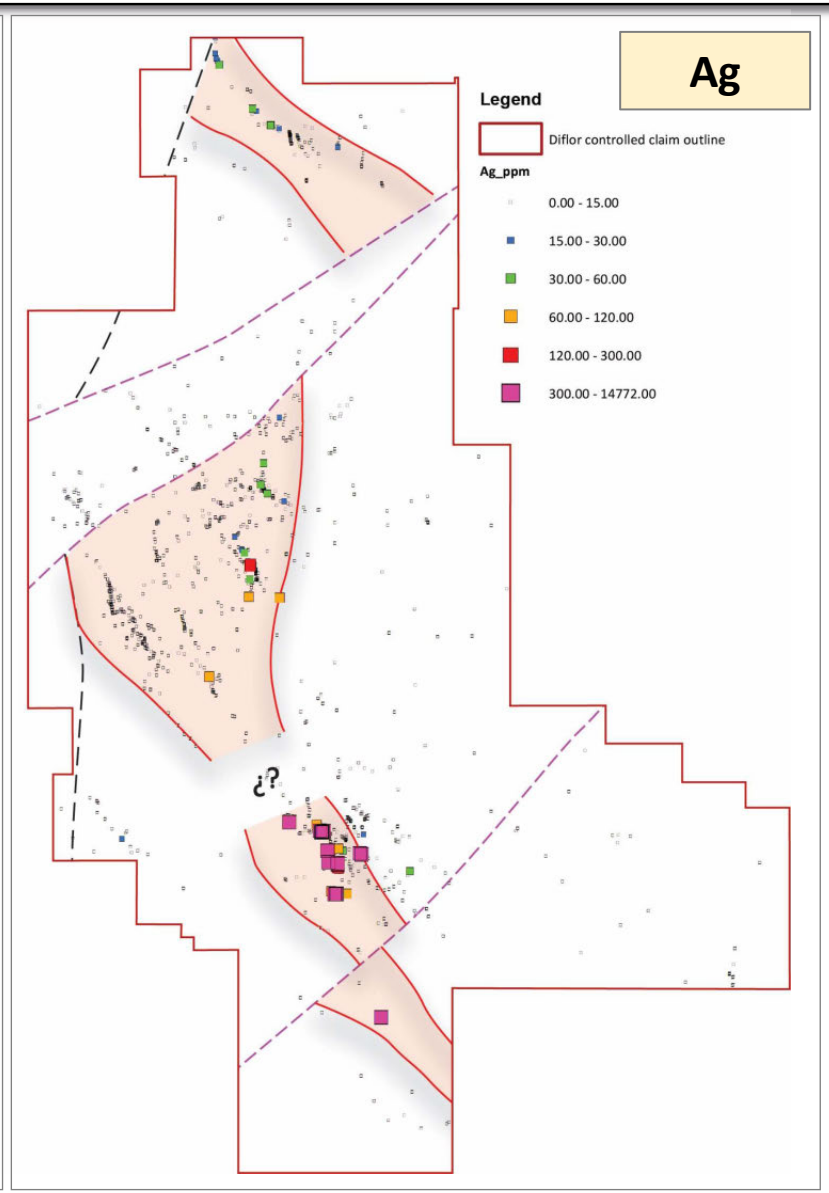


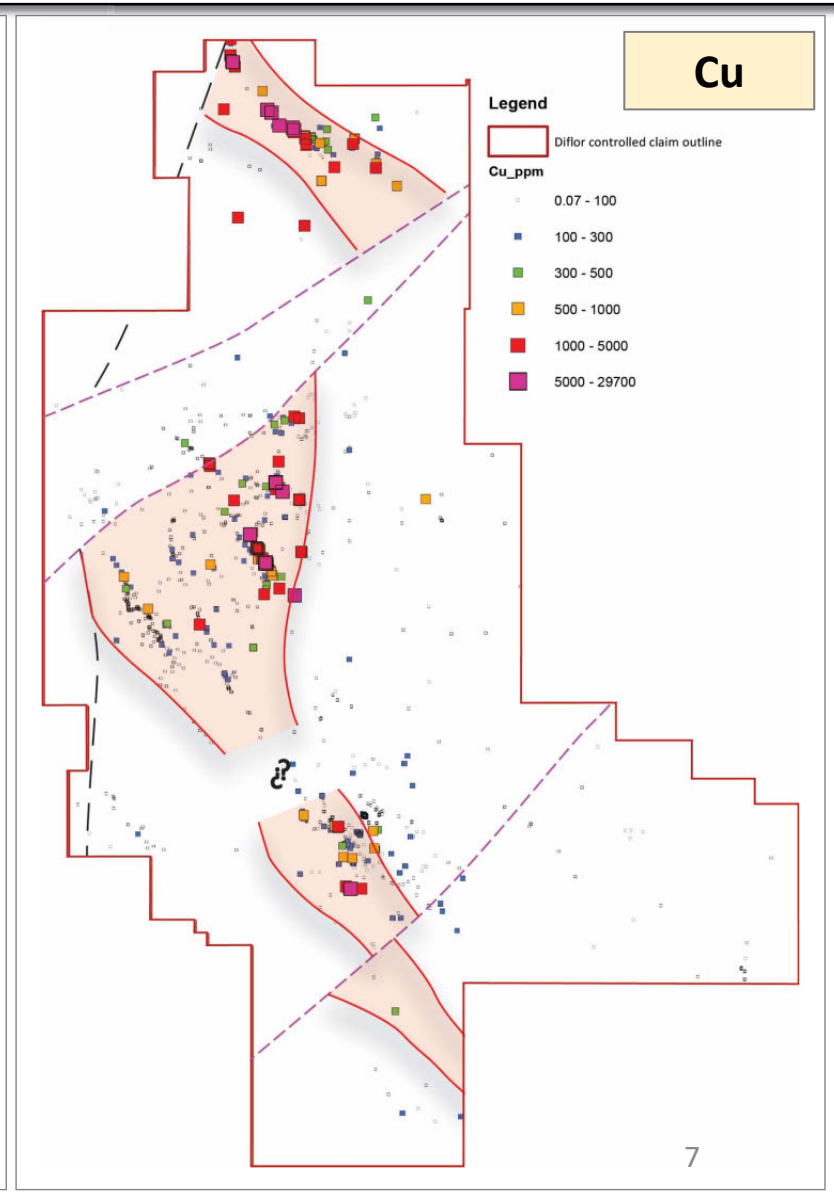
High grade
Au-Ag quartz veins

High grade
Au-Ag manto

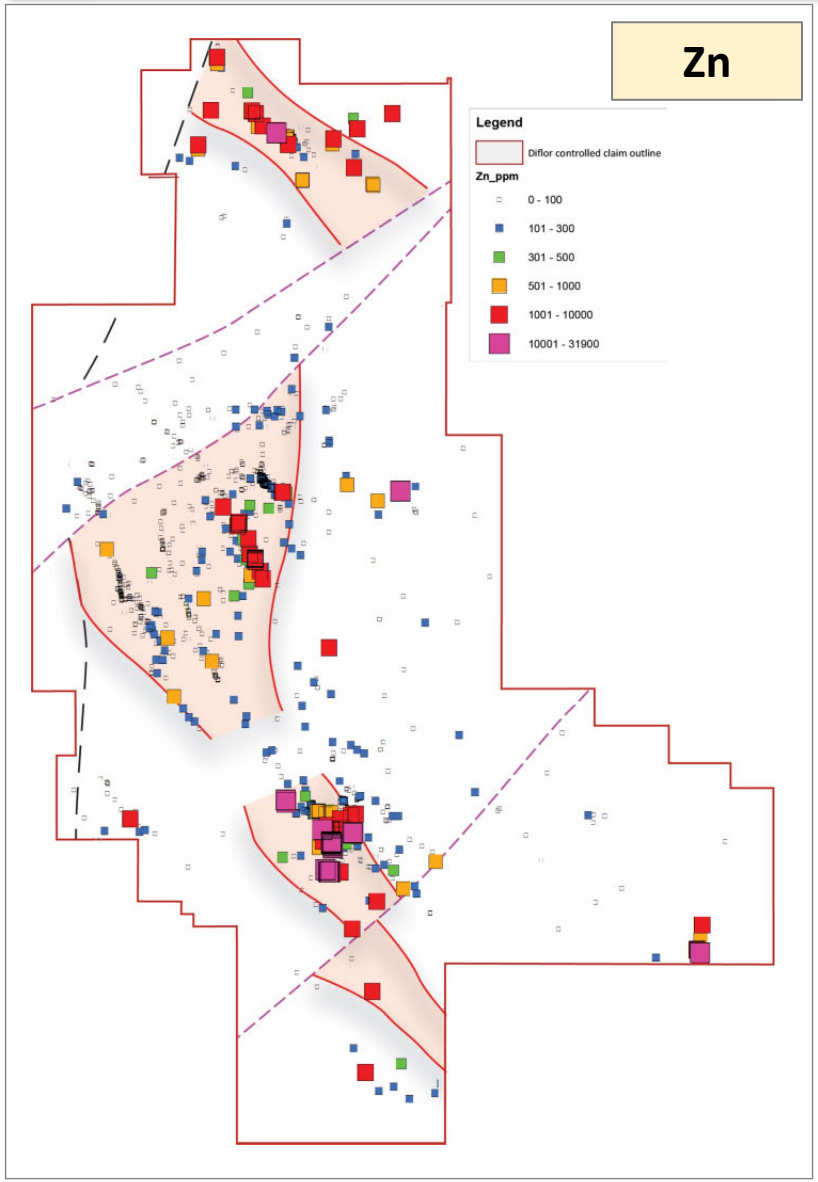
Rock geochemistry

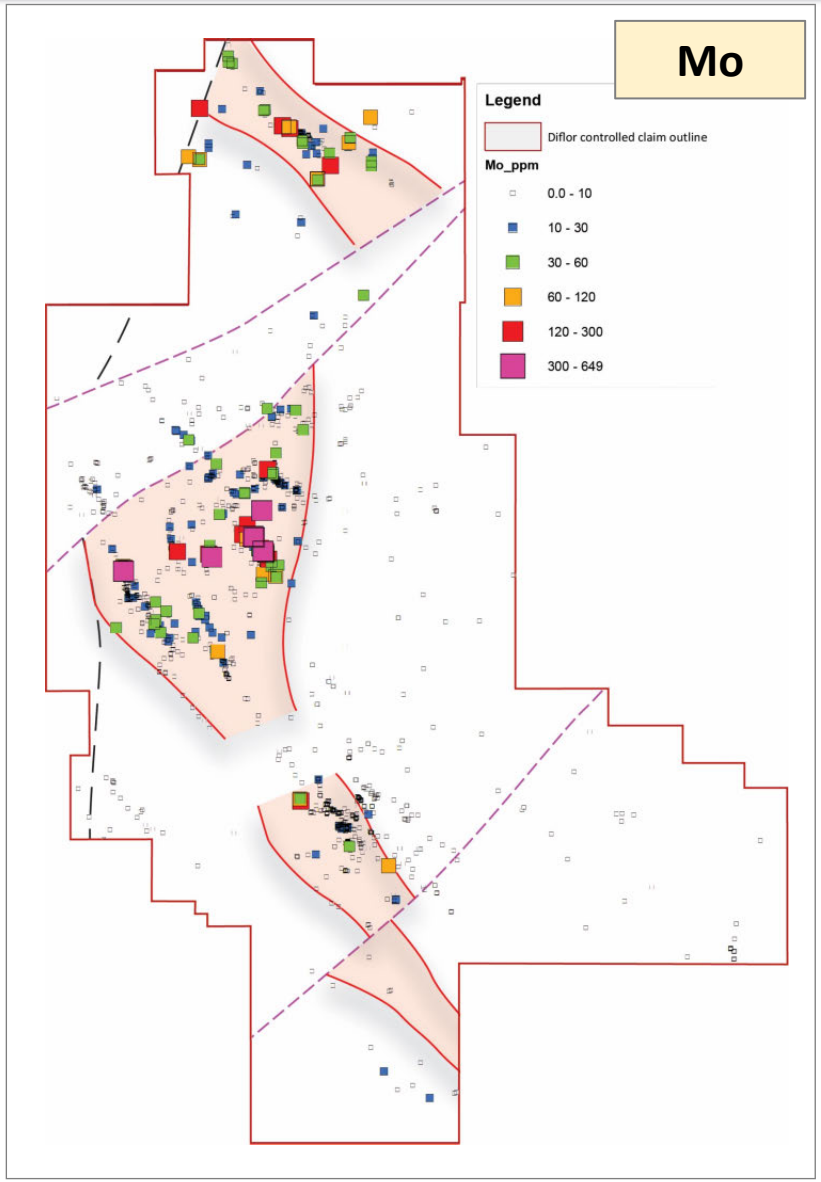


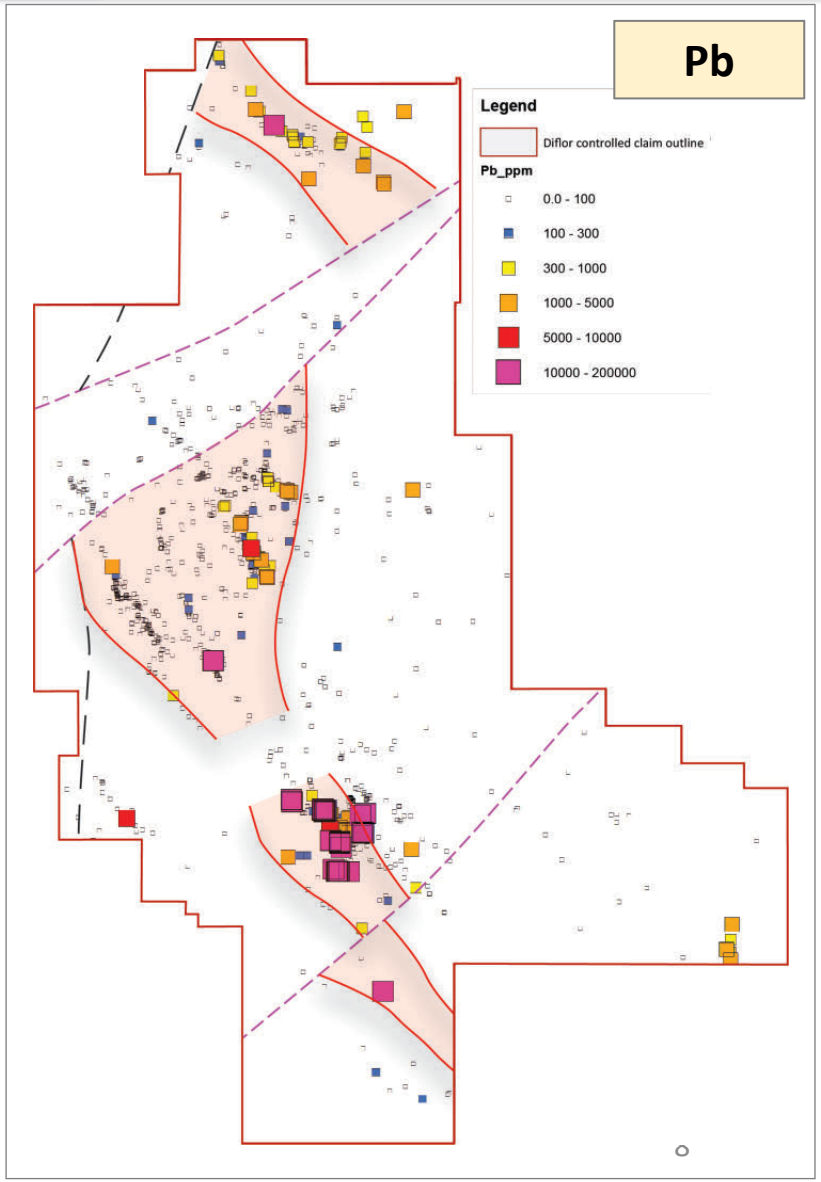




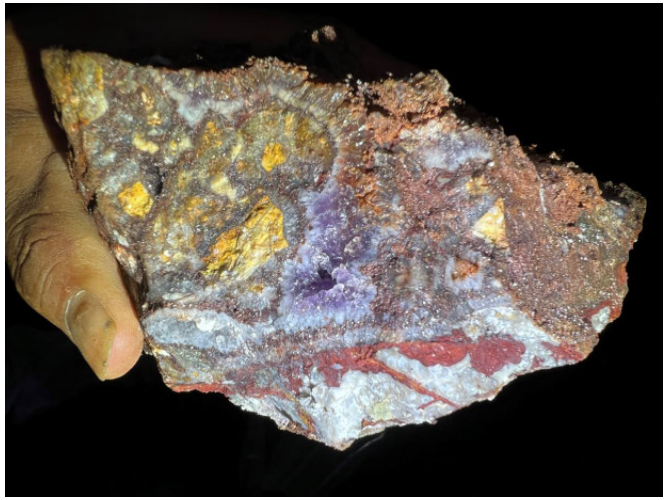
Rock geochemistry

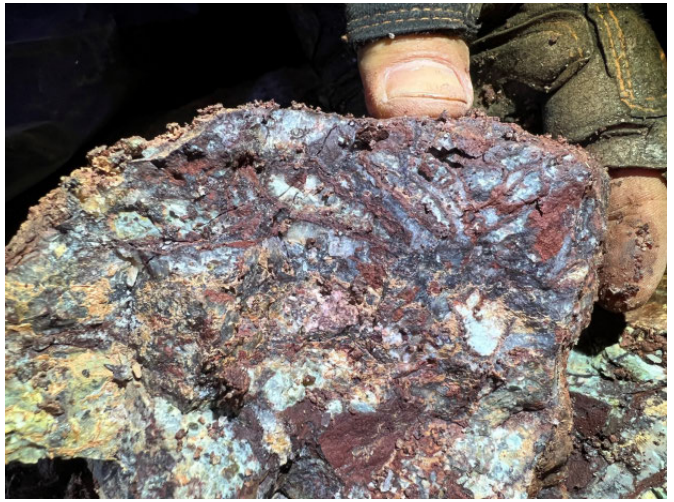






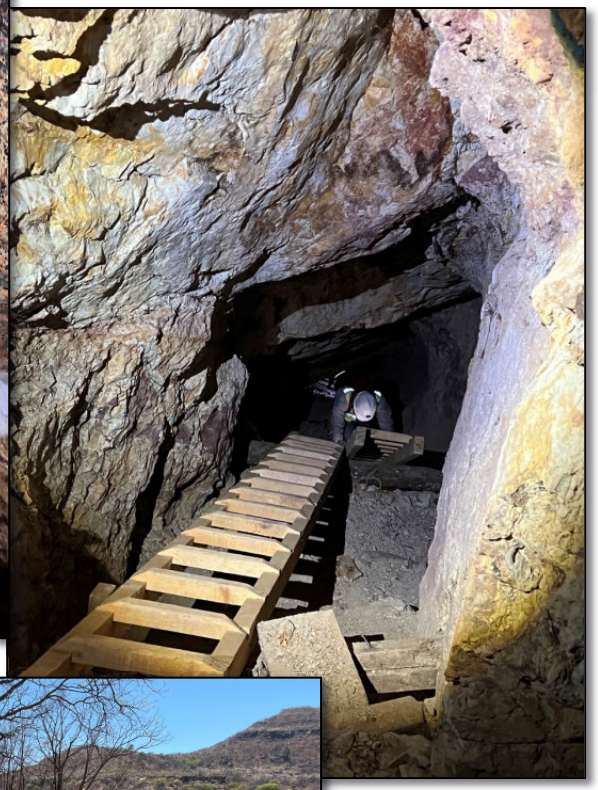
- 1.5km underground cumulated
- 8.5km continuous vein outcrop
- 15km-long mineralized trend
- Large-scale geochem zonation





Channel sampling results

AREA	CHANNEL_ID	CHANNEL WIDTH
	SAN IGNACIO TARGET	
SAN IGNACIO - top	SI1-1680-02	1.9 m @ 8.4gpt Au
SAN IGNACIO - top	SI1-1680-04	2 m @ 2.62 gpt Au
SAN IGNACIO - top	SI1-1722-01	1.5 m @ 25 gpt Au
SAN IGNACIO - top - Clavo workings	EC-1676-04	4.55 m @ 2.2 gpt Au
SAN IGNACIO - bottom	SI1-1637-01	6.9 m @ 6.22 gpt Au
SAN IGNACIO - bottom	SI1-1637-02	1.5 m @ 6.57 gpt Au
SAN IGNACIO - bottom	AM-1098-02	2m @ 6.73 gpt Au
SAN IGNACIO - bottom	AM-1110-03	1 m @ 0.52 gpt Au
SAN IGNACIO - bottom	SI-1147-02	12 m @ 0.85 gpt Au
SAN IGNACIO - bottom	SI-1147-03	5.5 m @ 0.498 gpt Au
SAN IGNACIO - bottom	SI-1147-04A	0.9 m @ 2.29 gpt Au
	ALTALEY TARGET	
PAJARITO - underground	PA1-1346-01	4.9 m @ 5.3 gpt Au
PAJARITO - underground	PA1-1346-01	including 0.2 m @ 43 gpt Au
PAJARITO - underground	PA1-1346-03	1.95 m @ 2.16 gpt Au
PAJARITO - underground	PA1-1346-04	1.45 m @ 8.77 gpt Au and 40.2 gpt Ag
PAJARITO - underground	PA1-1346-04	including 0.25 m @ 43.2 gpt Au
PAJARITO - underground	PA1-1346-05	1.05 m @ 5.84 gpt Au
PAJARITO - underground	PA1-1346-07	5.6 m @ 6.15 gpt Au
PAJARITO - underground	PA1-1346-06	4.7 m @ 1.47 gpt Au
PORVENIR - Underground	PO1-1295-01	5.8 m @ 3.31 gpt Au
PORVENIR - Underground	PO1-1295-01	or 3.7 m @ 5.1 gpt Au
PORVENIR - Underground	PO1-1295-02	6.08 m @ 4.14 gpt Au
PORVENIR - Underground	PO1-1295-03	3.5 m @ 2.6gpt Au
PORVENIR - Underground	PO1-1295-04	6.5 m @ 3.4 gpt Au



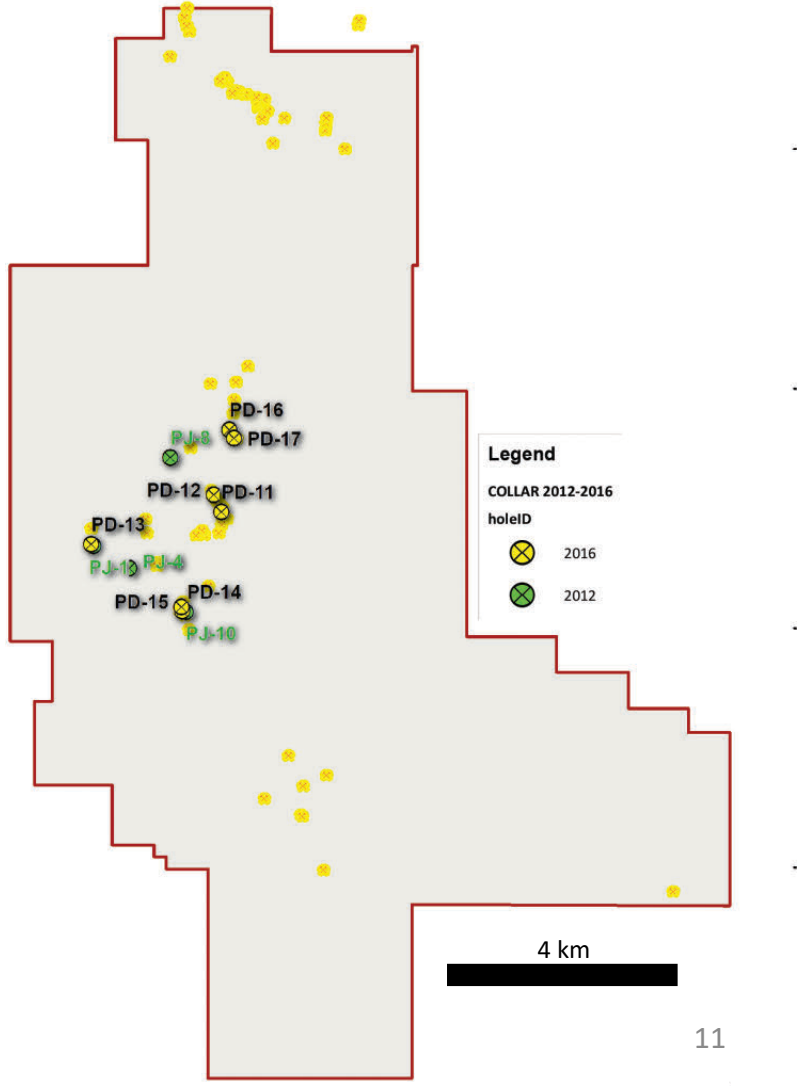
Historical Drilling

2012

CORE HOLE	Target	East	North	Elevation	Bearing (°)	Angle (°)	Total Depth Meters	Intercepts From	Intercepts To	Significant Intercepts
PJ-1	SANTA ROSA	208,749	2,925,366	1,100	Vertical	-90°	81.30	5.61	8.05	2.44m @ 14.27 g/t Au
								5.61	6.22	0.61m @ 23 g/t Au
								29.40	31.90	2.50m @ 3.44 g/t Au
								35.50	37.50	2.00m @ 2.67 g/t Au
PJ-4	SANTA ROSA	209,340	2,924,995	1,092	Vertical	-90°	120.00			NSV
PJ-8	PAJARITO	210,026	2,926,842	1,300	Vertical	-90°	80.00			NSV
PJ-10	LOS REYES	210,283	2,924,262	1,177	Vertical	-90°	100.10	37.50	39.00	1.50m @ 1.405 g/t Au
								54.00	60.90	6.90m @ 13.21 g/t Au
								59.60	60.90	1.30m @ 41.4 g/t Au
								72.55	74.80	2.25m @ 2.06 g/t Au
						Total	381.40			

2016

CORE HOLE	Target	East	North	Elevation	Bearing (°)	Angle (°)	Total Depth Meters	Intercepts From	Intercepts To	Significant Intercepts
PD-11	PAJARITO	210,882	2,925,935	1,343	N65°E	-65°	114.50	40.00	42.35	2.35m @ 1.010 g/t Au
PD-12	PAJARITO	210,753	2,926,216	1,271	N65°E	-65°	108.95			NSI
PD-13	SANTA ROSA	208,708	2,925,394	1,100	Vertical	-90°	81.50			NSI
PD-14	LOS REYES	210,226	2,924,278	1,244	Vertical	-90°	100.30			NSI
PD-15	LOS REYES	210,214	2,924,348	1,280	Vertical	-90°	78.65	8.10	9.50	1.40m @ 0.97 g/t Au
PD-16	EL PORVENIR	211,013	2,927,305	1,303	Vertical	-90°	95.00	40.20	41.20	1.00m @ 1.06 g/t Au
PD-17	EL PORVENIR	211,088	2,927,167	1,293	N45°E	-80°	121.10			NSI
						Total	700.00			



BUT LET’S TALK ABOUT

THE REAL POTENTIAL FOR DISCOVERY &

STRATEGY TO ADVANCE …

Technical strategy to discovery

SAN IGNACIO (PRIORITY 1)
Satellite Au epithermal vein target
3km strike length & 700m vertical exposure

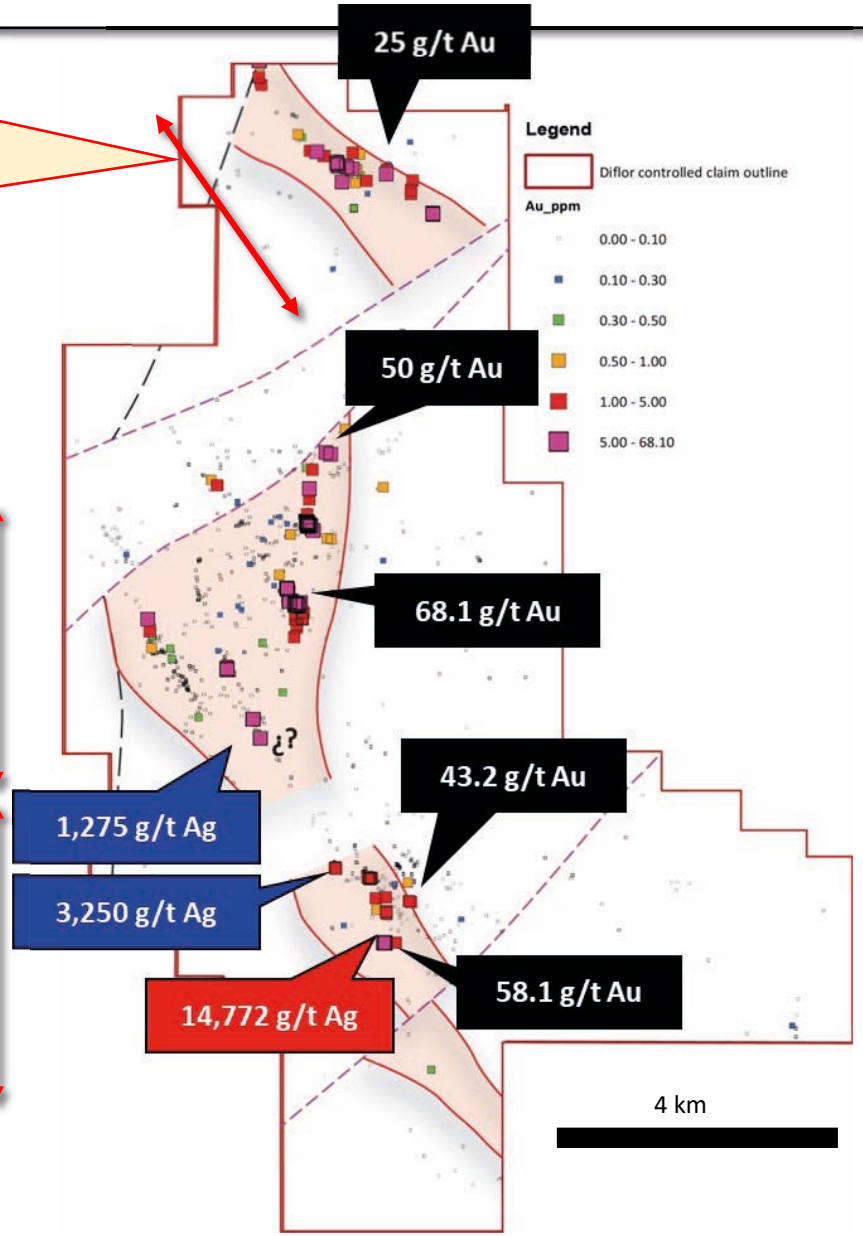
PROPOSED PROGRAM:
- Small soil grid for expansion
- Mag survey
- 3,000m drilling in exposed vein system

ALTALEY (PRIORITY 2)
Porphyry center? crosscut by epithermal late Au epithermal veins
Target with significant growth potential for the project but additional work is needed.

PROPOSED PROGRAM:
- Detailed structural mapping
- Mag survey
- Definition of drilling and drilling

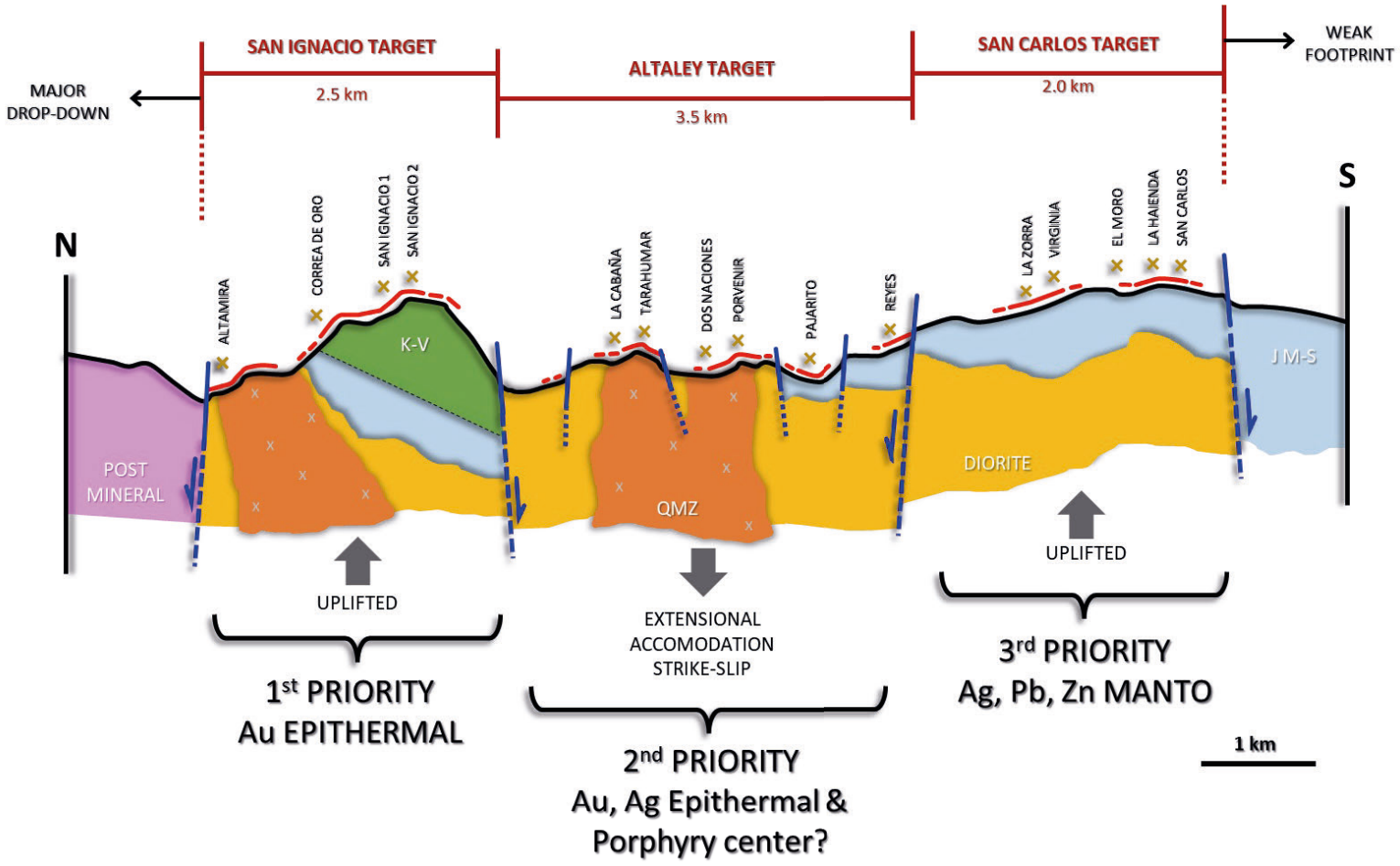
SAN CARLOS (PRIORITY 3)
Ag-Pb-Zn-Au mantos
Target not well defined yet. Highest grade of the property with targeting is limited at this stage.

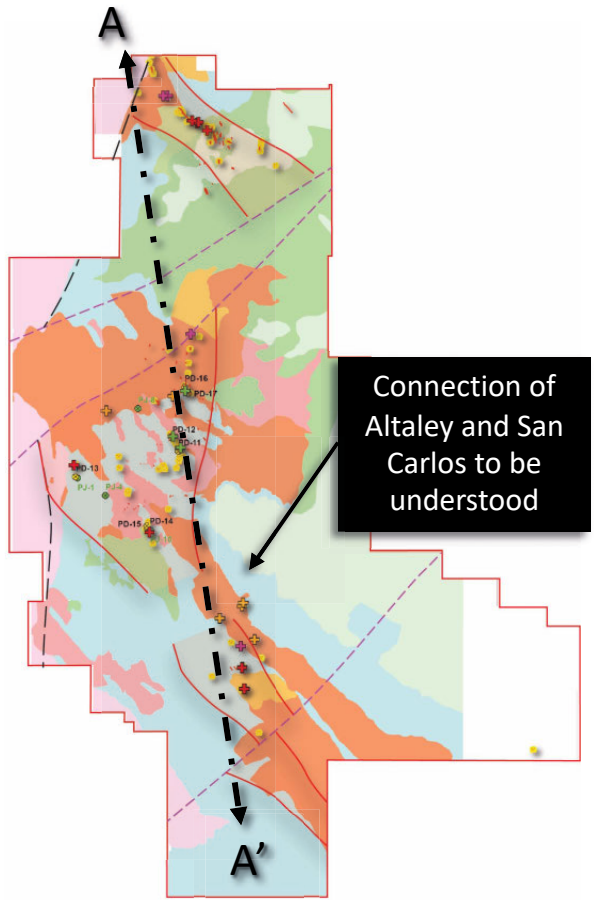
PROPOSED PROGRAM:
- Geophysics to better define target shape
- Possible feeder to be found? Use of mapping



Long Section – From porphyry to Epithermal

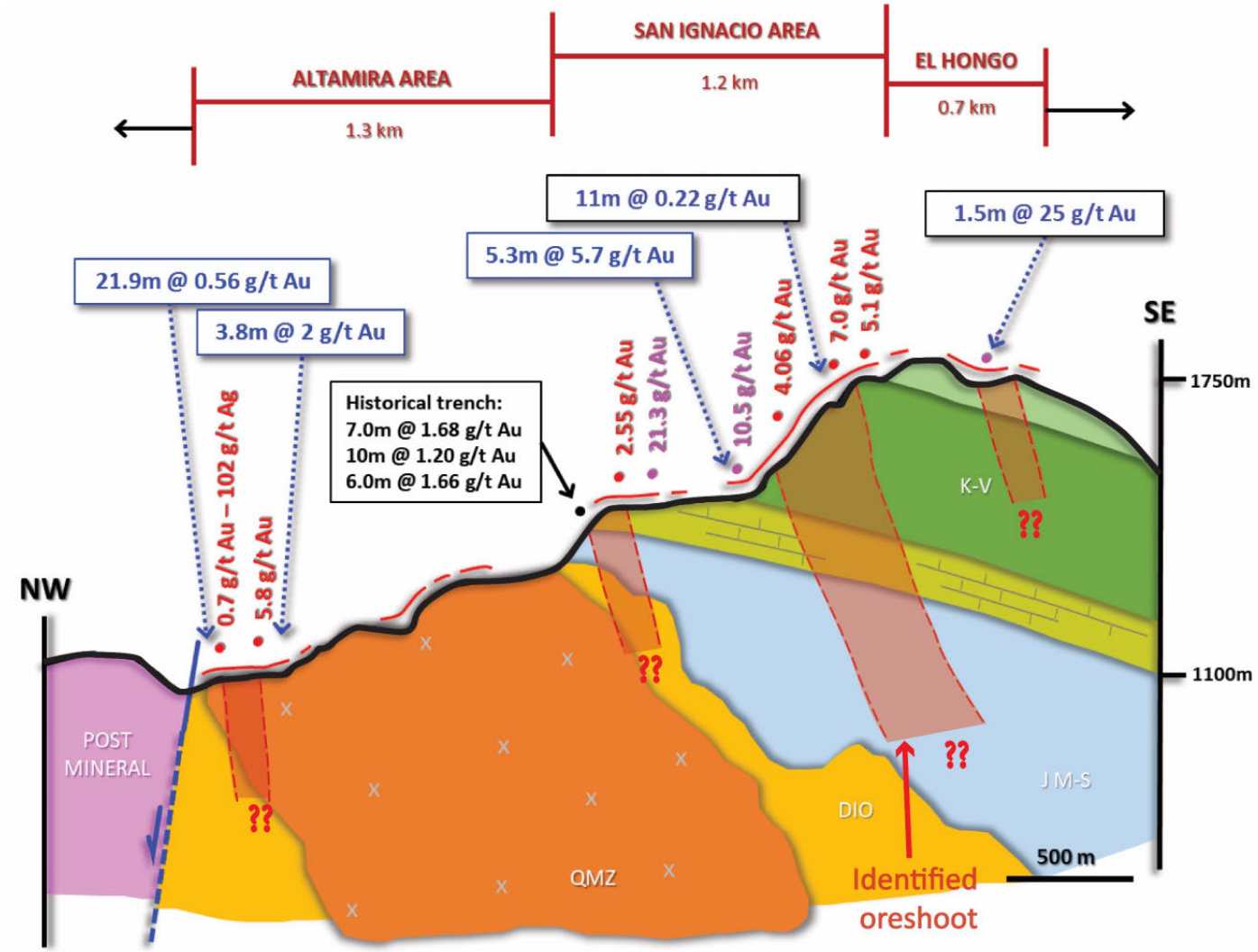
A-A' longitudinal section of Porvenir Project

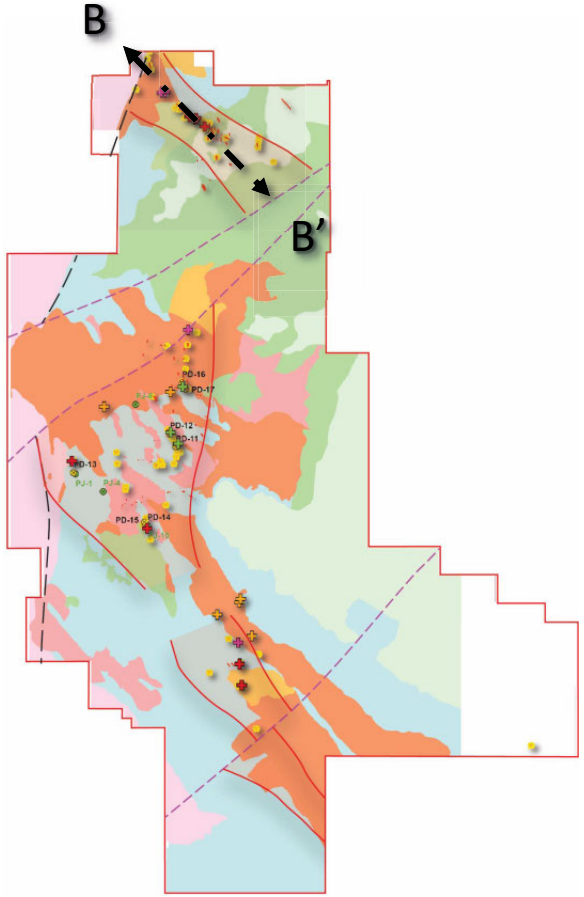




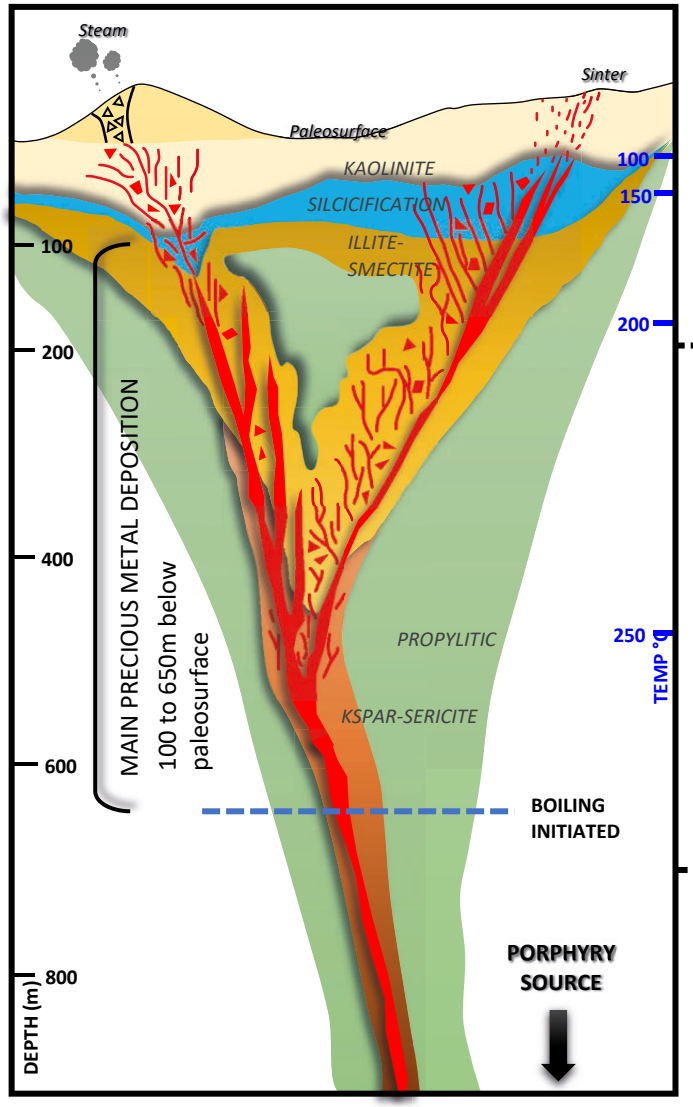
Focus – Target 1/San Ignacio – Short Term Discovery

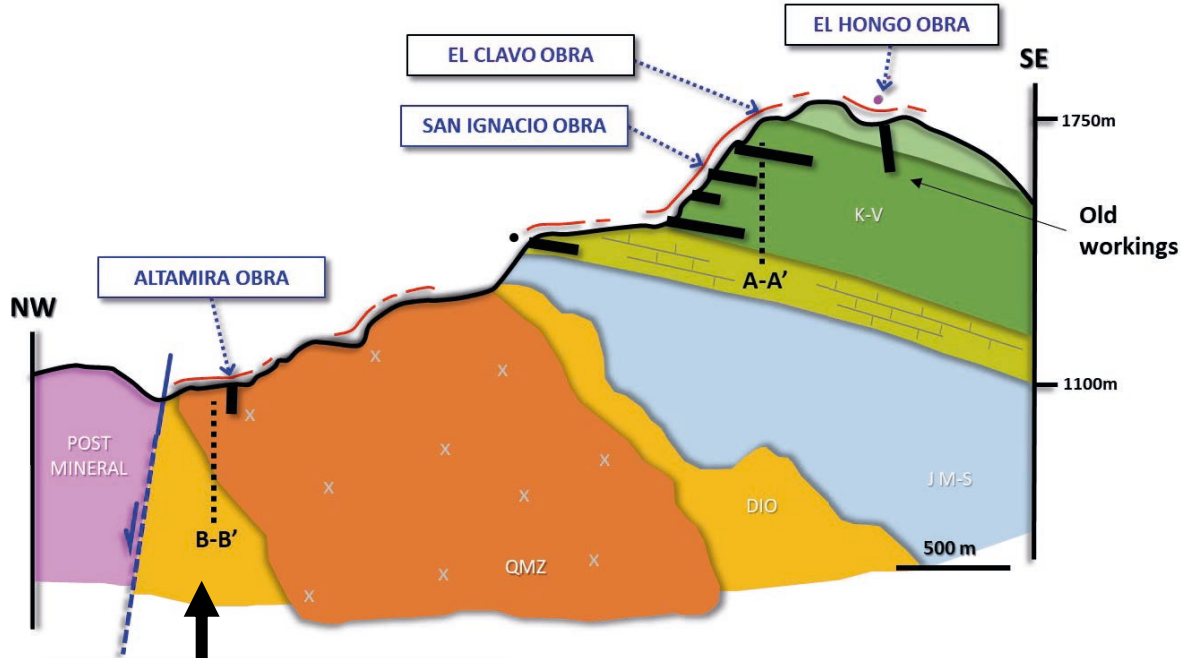
B-B' longitudinal section of San Ignacio high-priority target





Focus – San Ignacio – Au Epithermal System



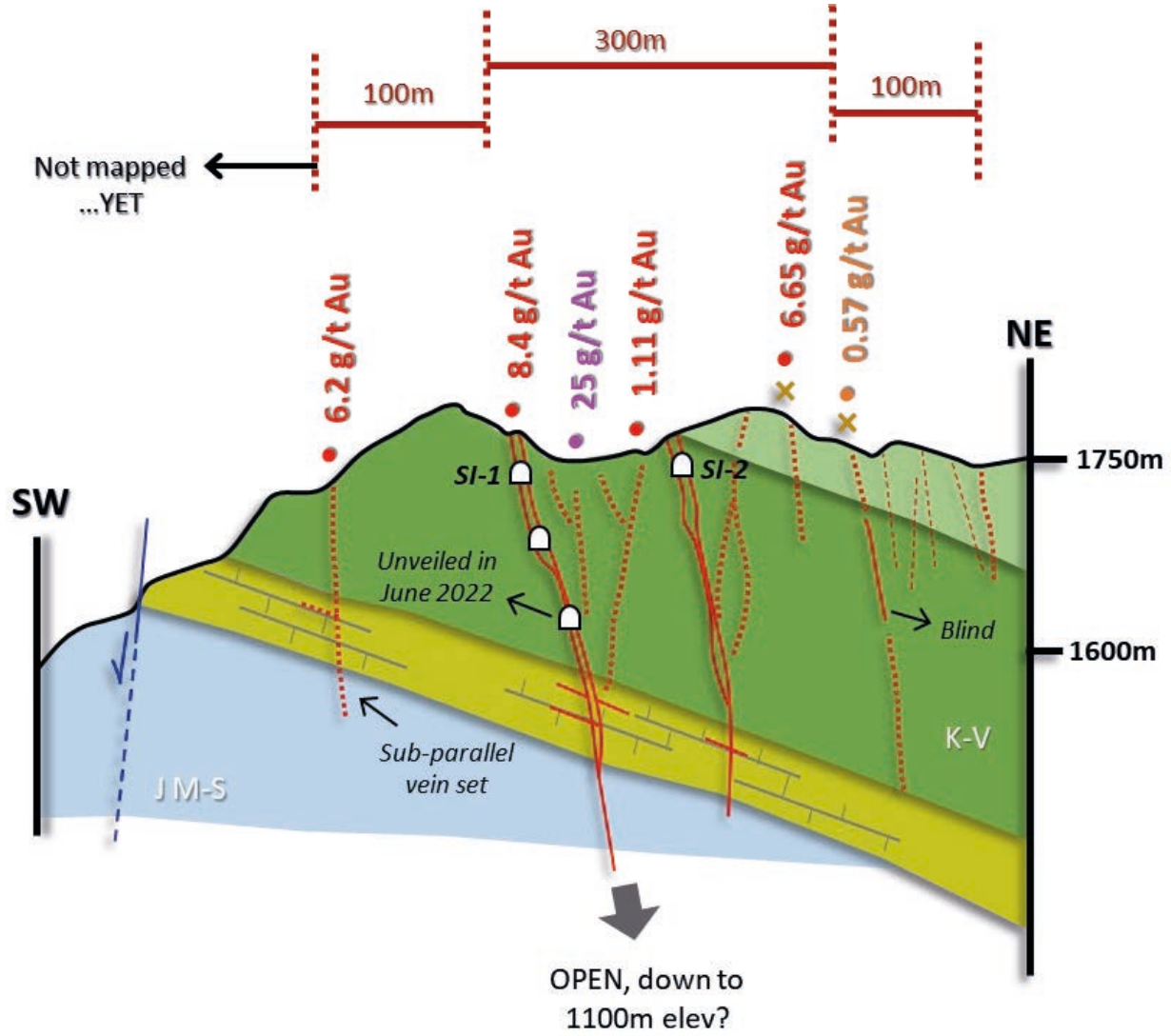


INTERCEPTS WITHIN THE SAN IGNACIO TARGET

1.9m @ 8.4 g/t Au
1.5m @ 25 g/t Au
5.3m @ 5.726 g/t Au
1.6m @ 10.75 g/t Au
2.0m @ 6.73 g/t Au - 19 g/t Ag
21.9m @ 0.56 g/t Au - 10.3 g/t Ag
3.8m @ 1.9925 g/t Au

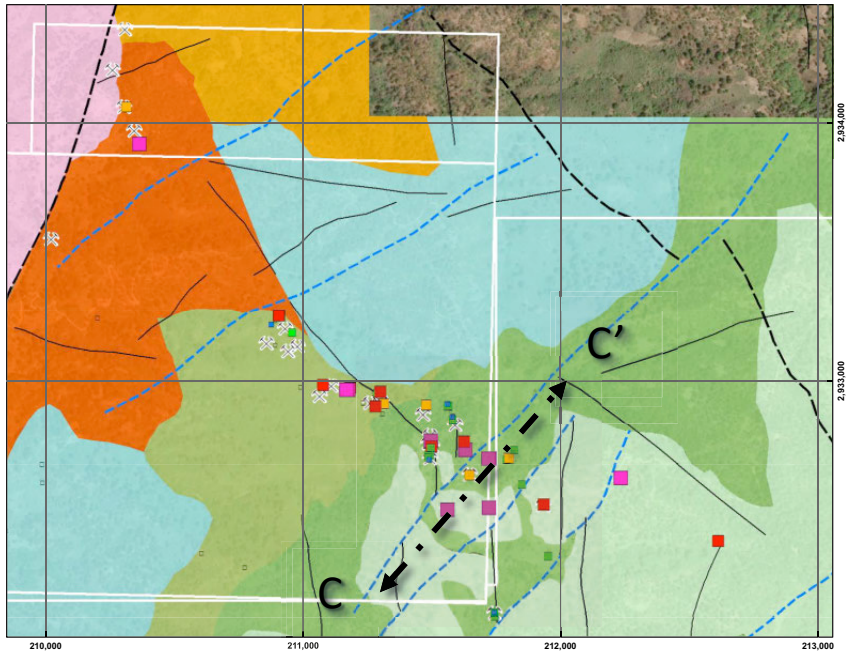
Focus – San Ignacio – Cross section elev 1,800 m

C-C' cross section of San Ignacio @ 1750m elev



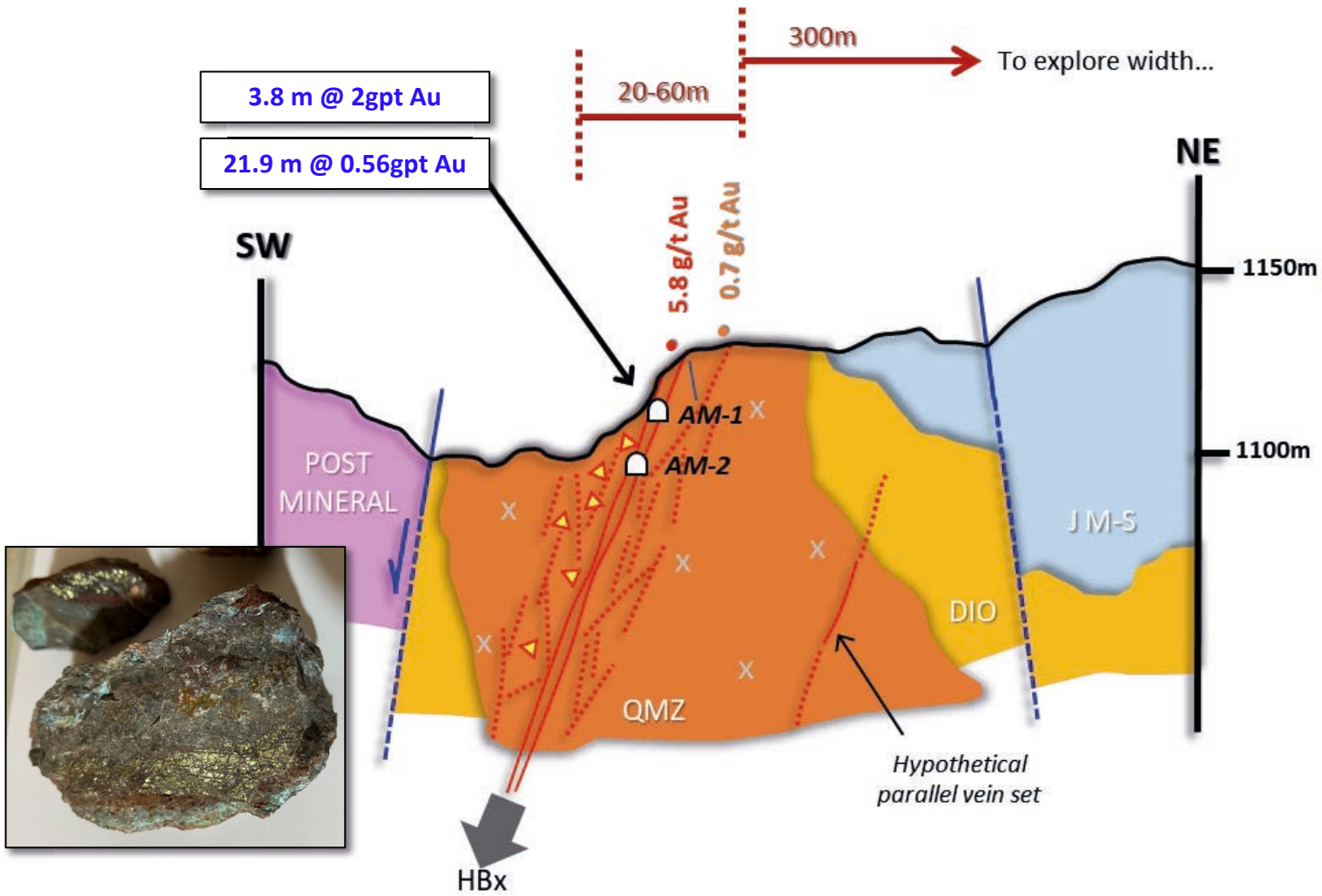
HIGHLIGHTS

- ✓ Recently found workings – unveiling in progress
- ✓ Channel sampling completed – assays pending
- ✓ Consistent high-grade Au:Ag ratio close to 1:1
- ✓ Cymoid loops qtz-spec veining
- ✓ Undrilled



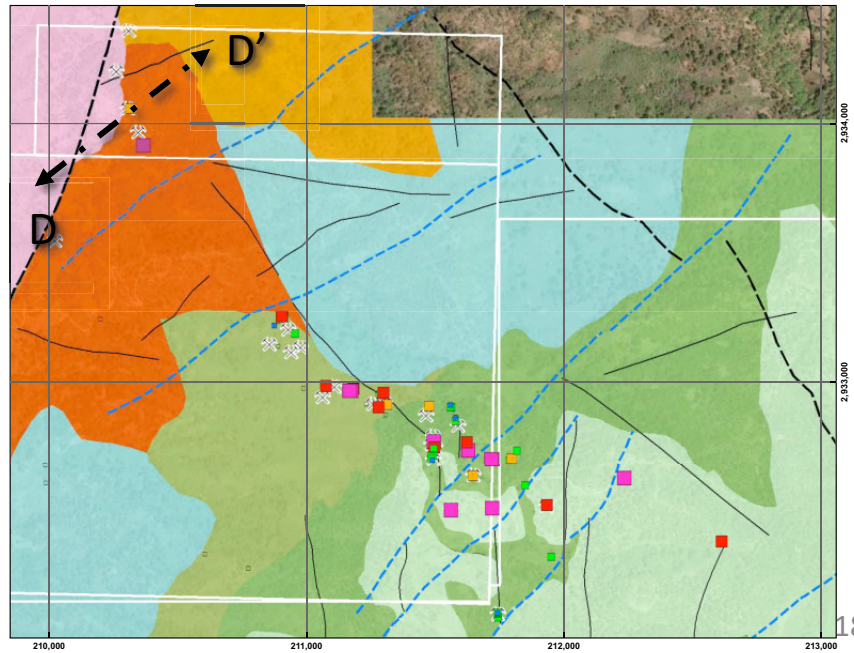
Focus – San Ignacio – Cross section elev 1,150 m

D-D' cross section of San Ignacio @ 1150m elev



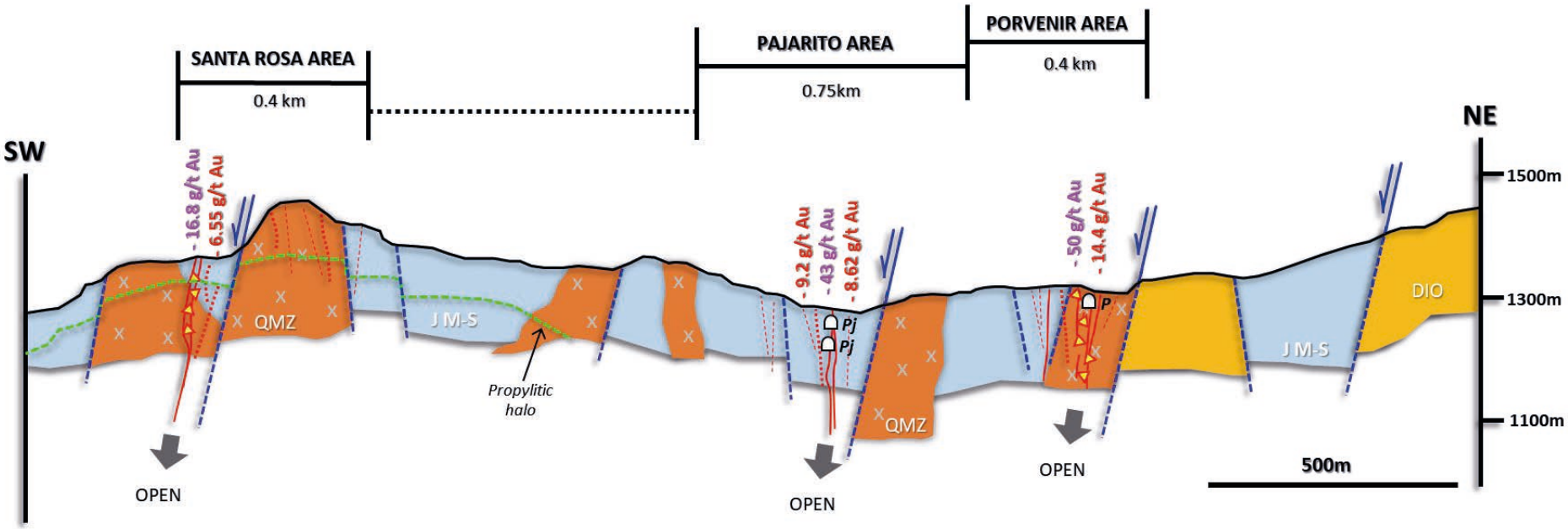
HIGHLIGHTS

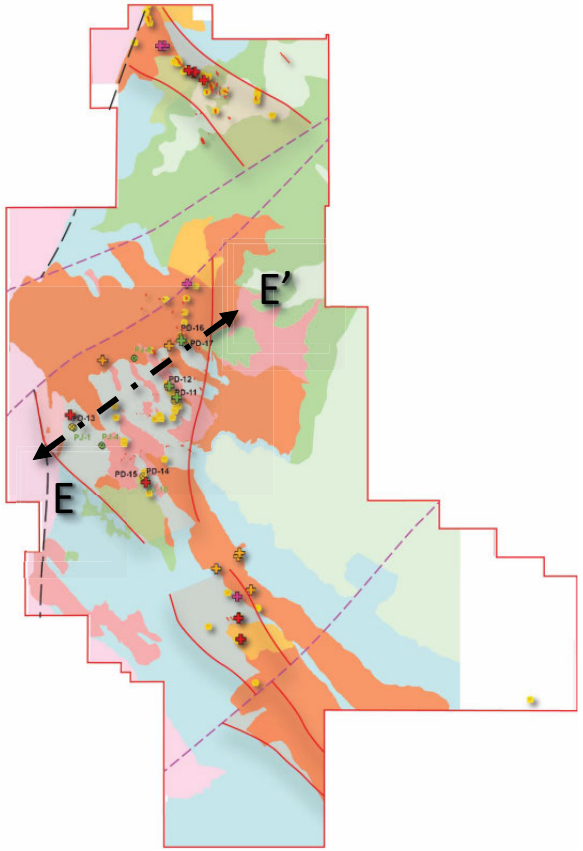
- ✓ Recently connected with San Ignacio
- ✓ Consistent high-grade
- ✓ Hydrothermal breccia with chalcopyrite clasts
- ✓ Channel sampling completed
- ✓ Undrilled



Altaley Target – Large Scale Au System

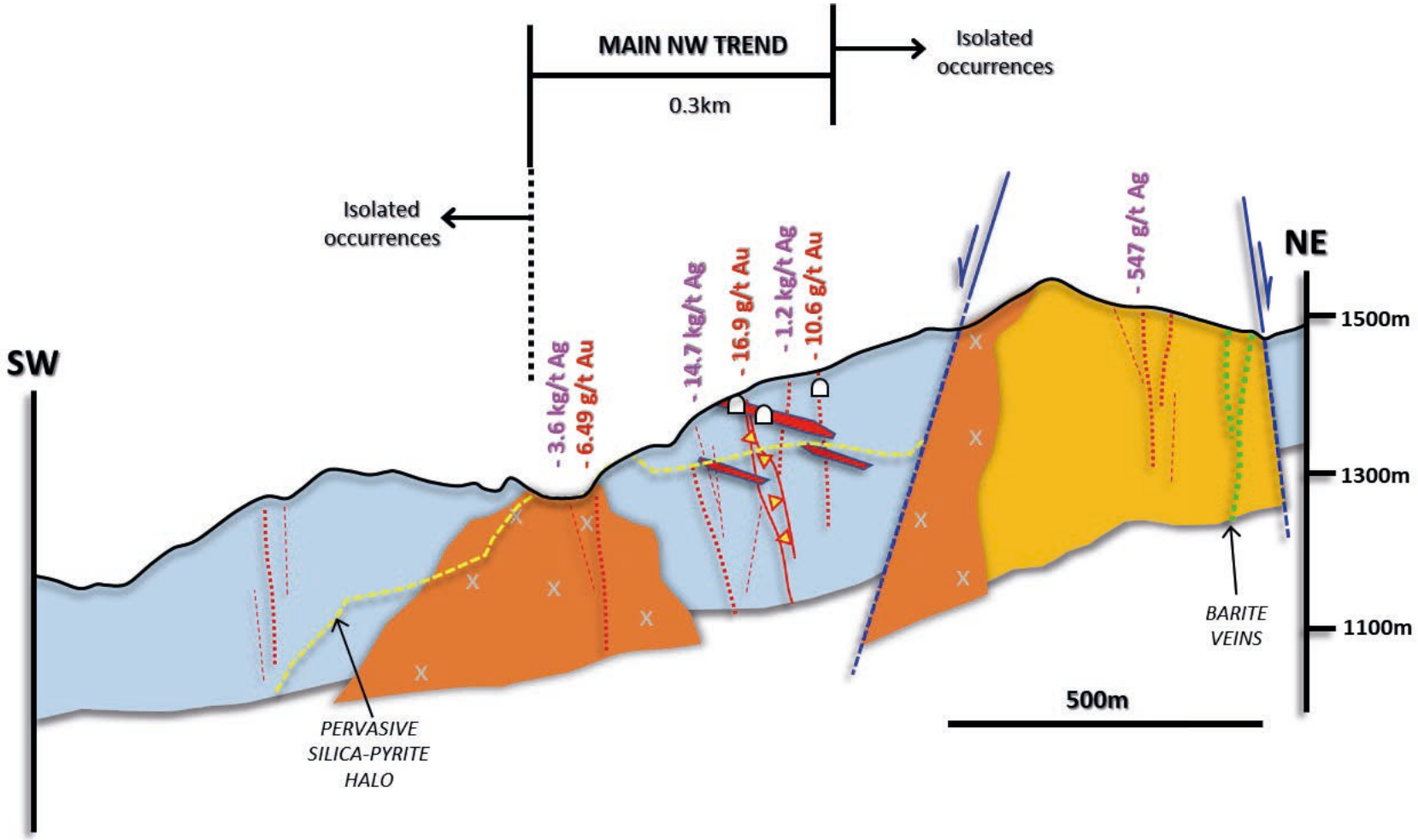
E-E’ cross section of Altaley target

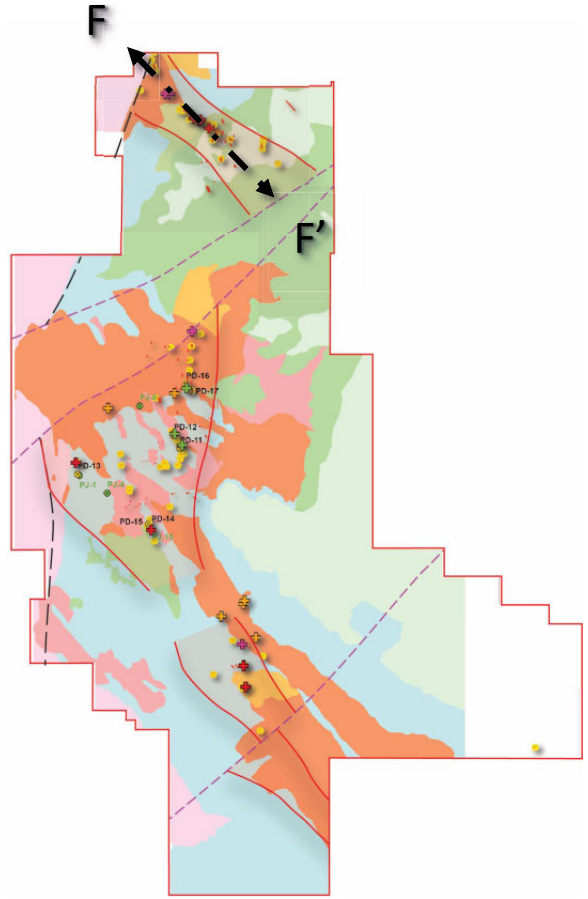




San Carlos Target – Mineralized Mantos

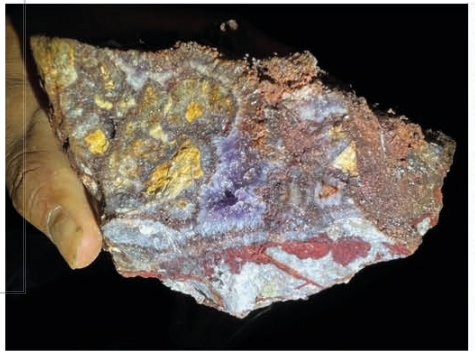
F-F' cross section of San Carlos target





Conclusion and discussions

- ✓ Technical report ready
- ✓ > 200,000 USD compliant spendings Data compiled > 3,000 surface/underground sampling & special studies
- ✓ 12,000 hectares consolidated
- ✓ Technical strategy to discovery matching financing strategy and staged evolution
- ✓ Great telling story with high grade intercepts
- ✓ Claims fully in good standing
- ✓ Surface access under signed contract with both private and ejidal areas
- ✓ Outstanding community relationship
- ✓ Safe mining friendly
- ✓ Electricity & roads to every target
- ✓ Local timber industry developed
- ✓ Quality camp and food for a happy technical team



Next steps…

PHASE 1
DRILLING SAN IGNACIO

→

PHASE 2
DRILLING SAN CARLOS

→

PHASE 3
RESOURCE DEFINITION

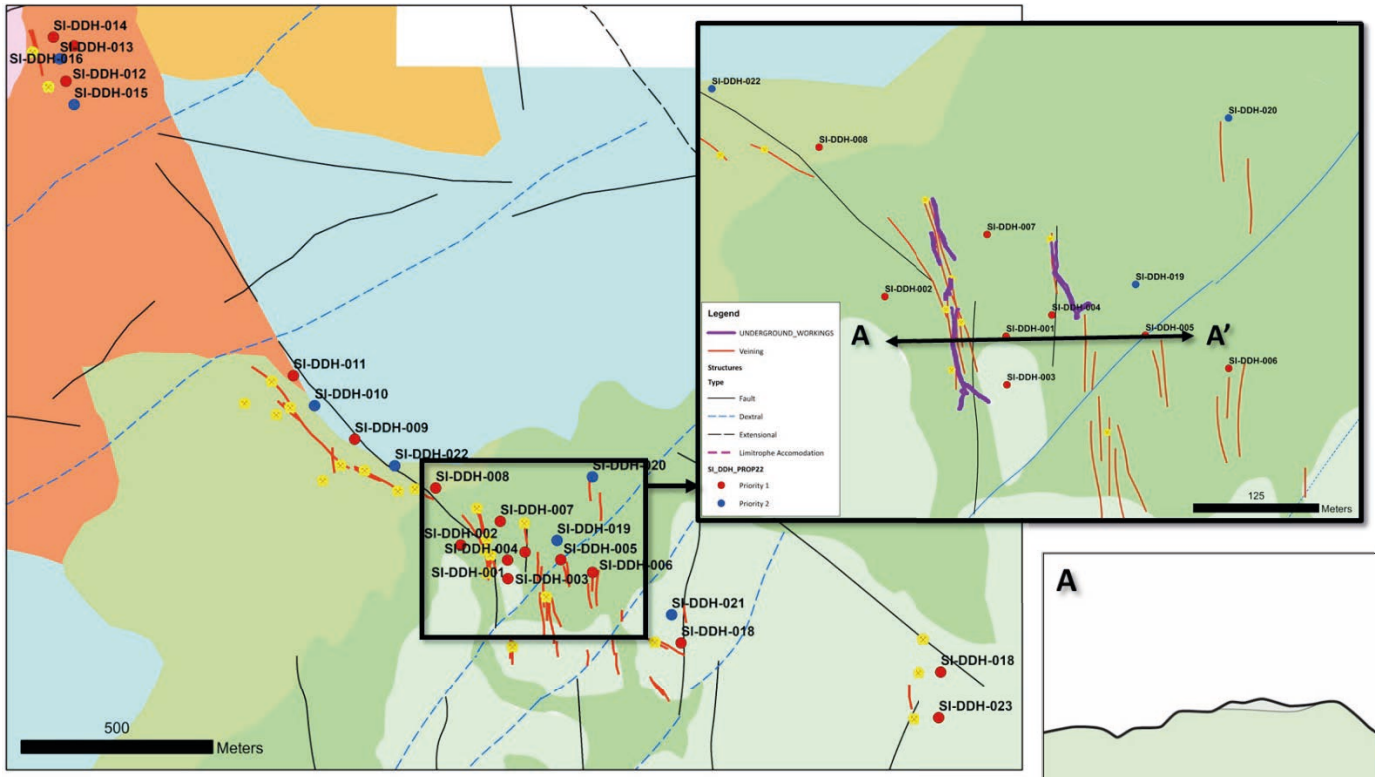
Initial spending = USD 1.8M

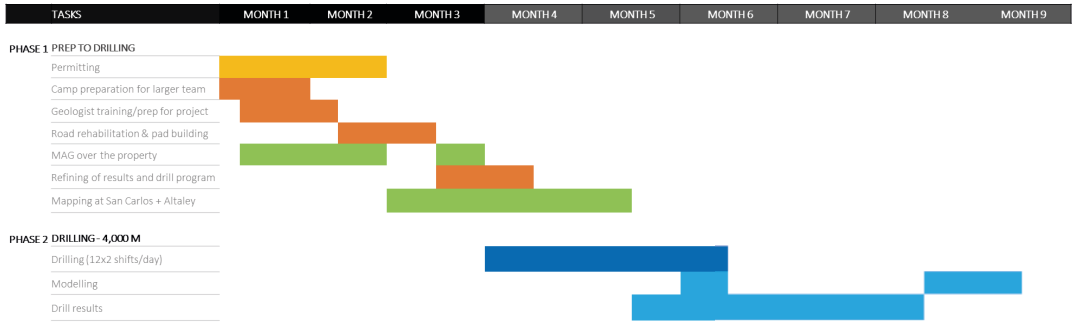
- 4,000 m drilling
- Mag survey property scale and IP at San Carlos

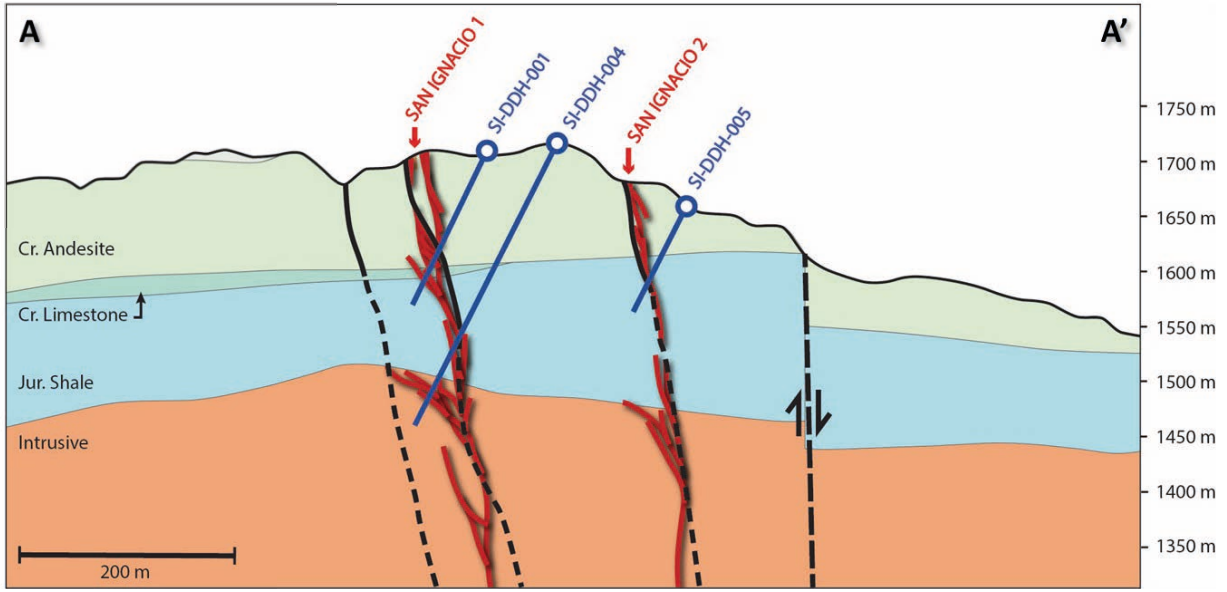
Goal

- Phase 2 fund raising for drilling San Ignacio + Altaley target and advance San Carlos in the field
- Derisk property and define a mineralized body to resource

DRILLING AT SAN IGNACIO

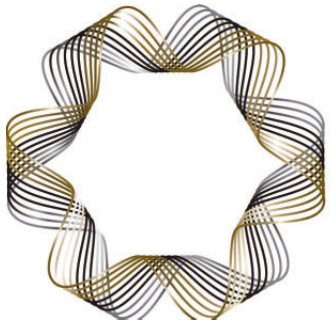






HIGHLIGHTS

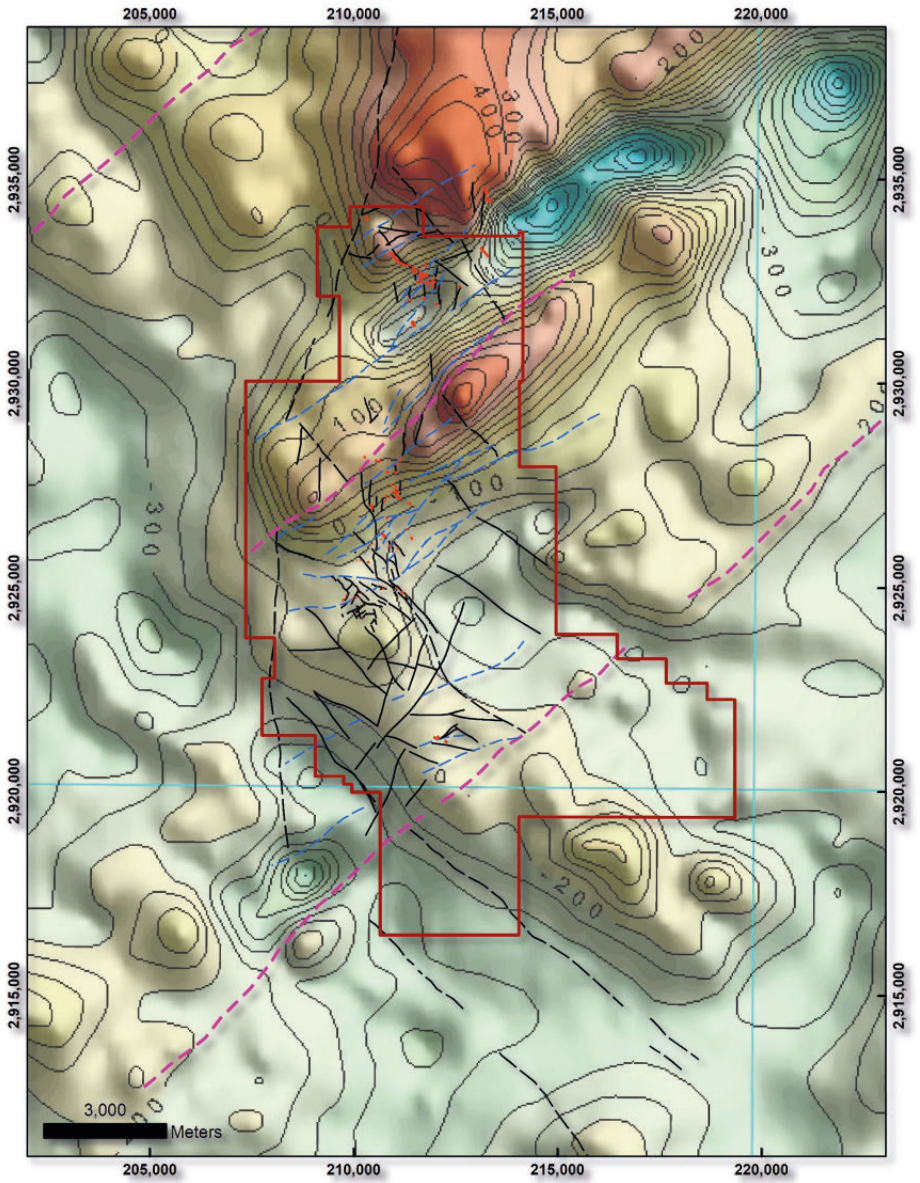
- ✓ 3,000 to 4,000 m with priority holes
- ✓ Total of 21 drill holes in San Ignacio
- ✓ Max depth 250m and average depth 150 m



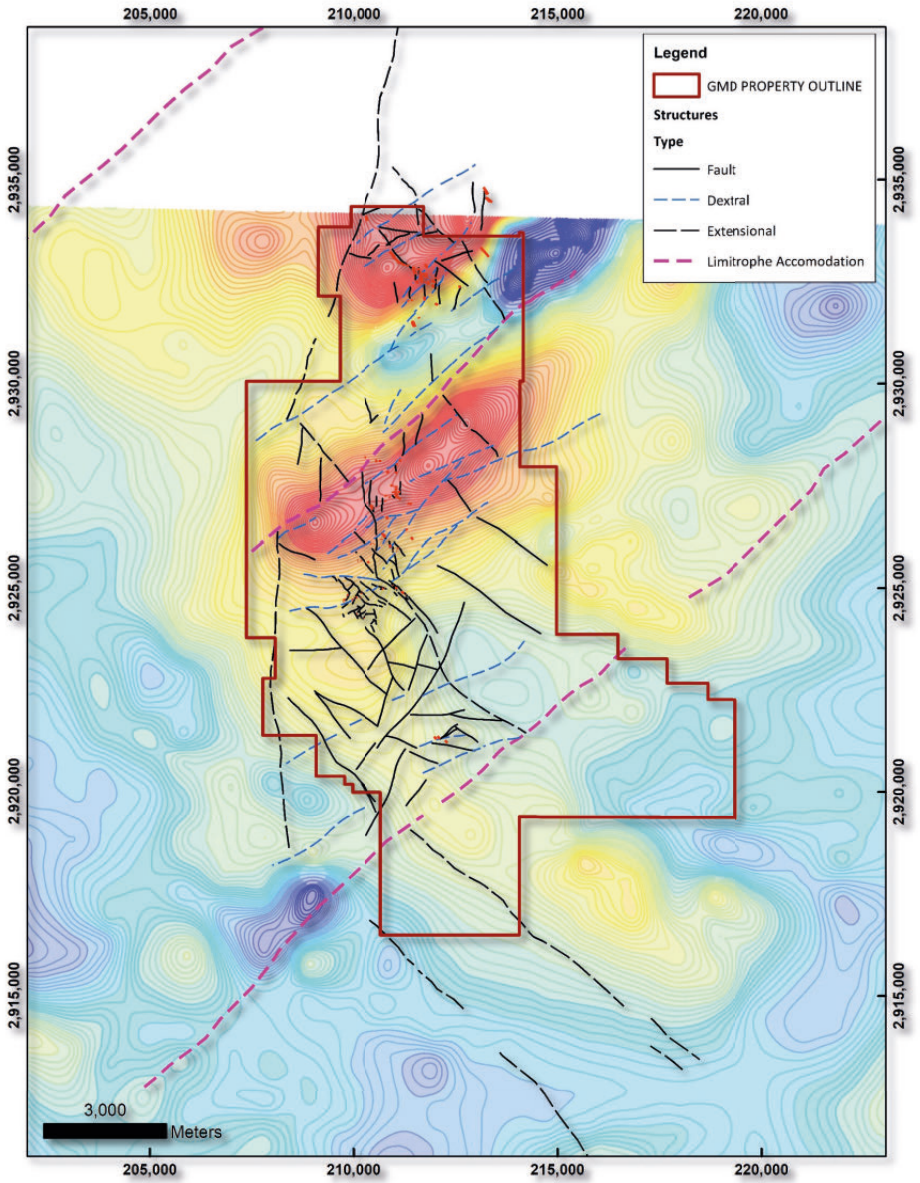
GRACIAS!

APPENDIX - GEOPHYSICS

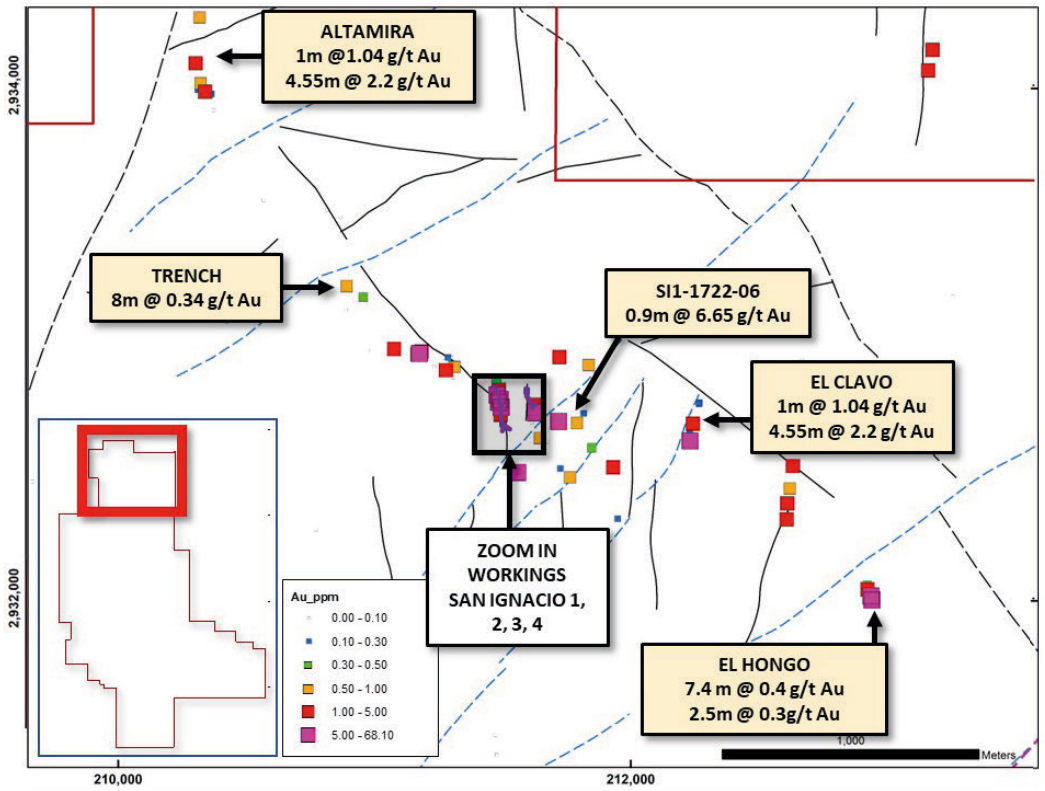
250K RTP

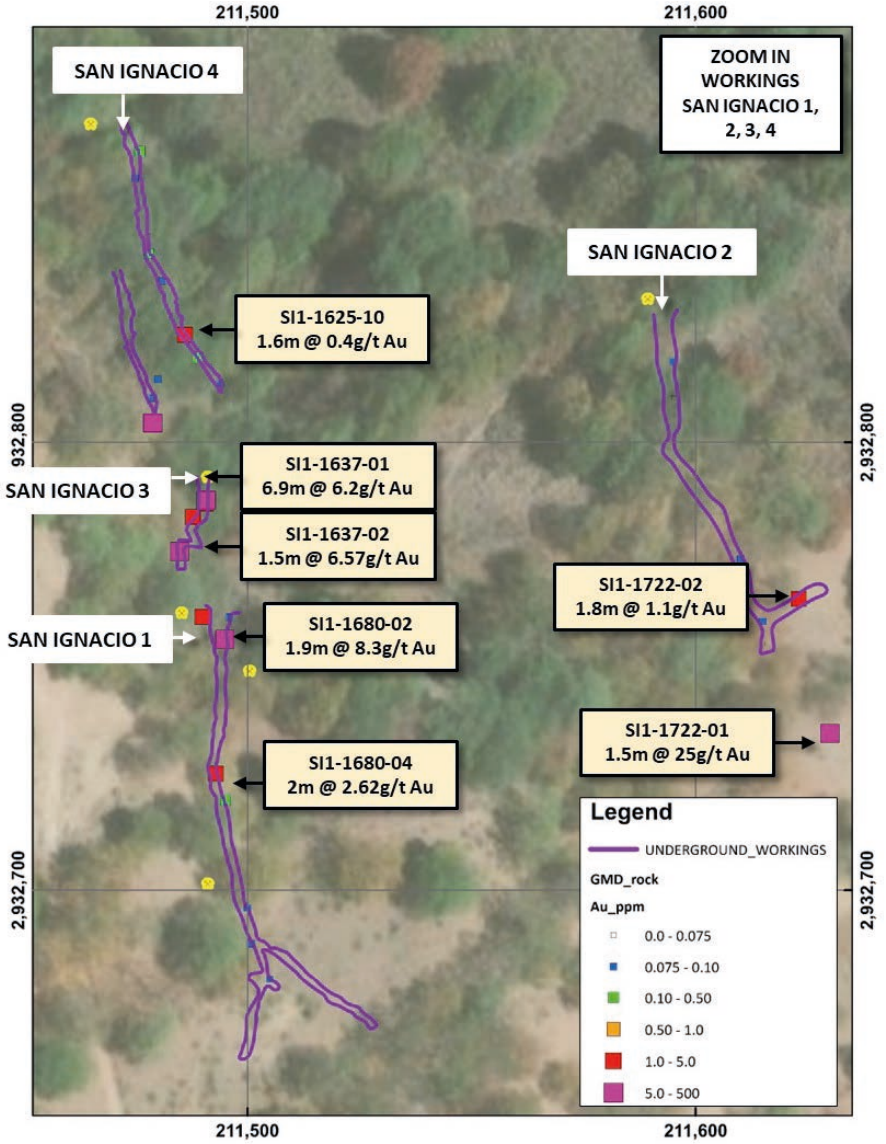


50K RTP

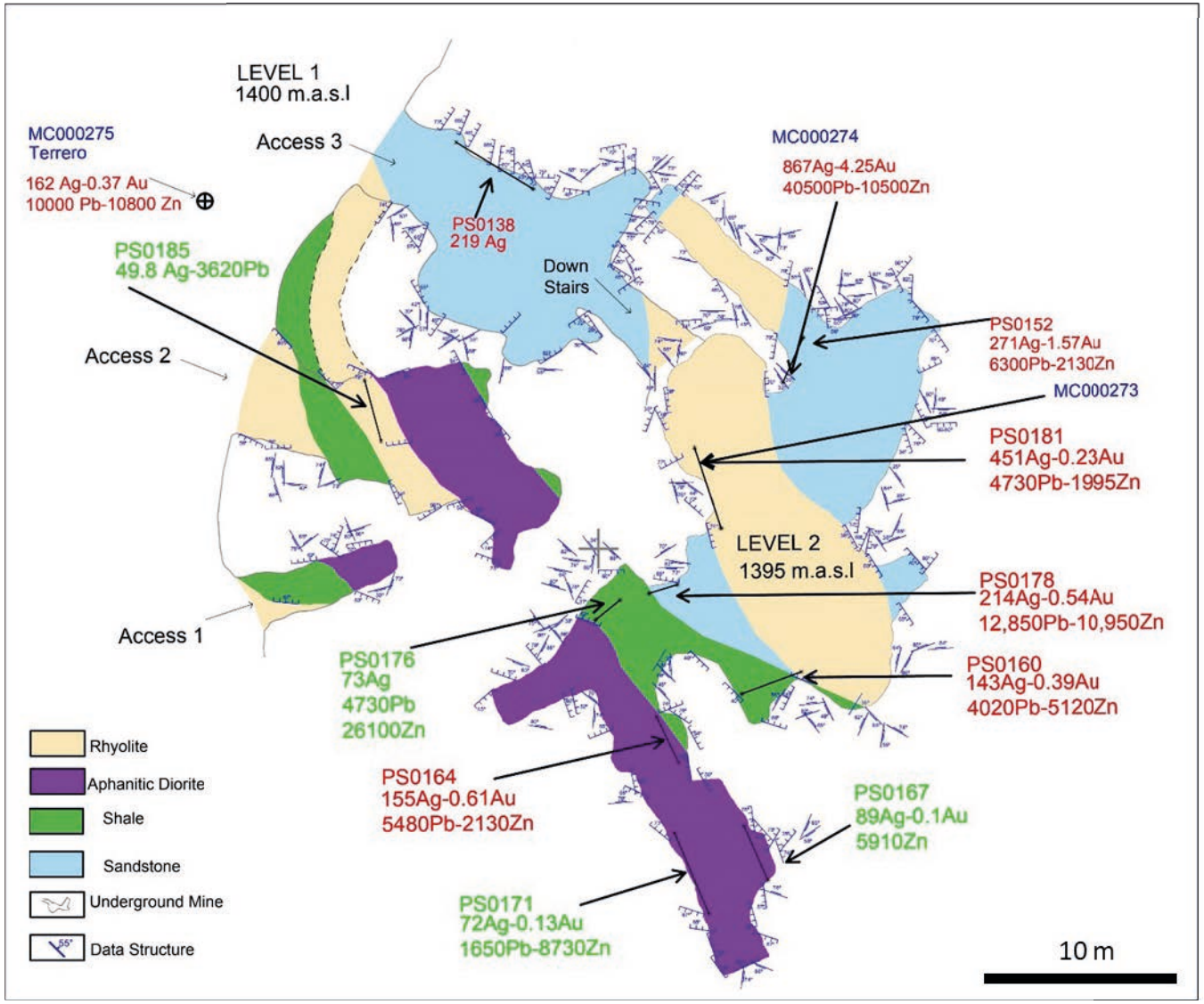


APPENDIX – SAN IGNACIO UNDERGROUND SAMPLING

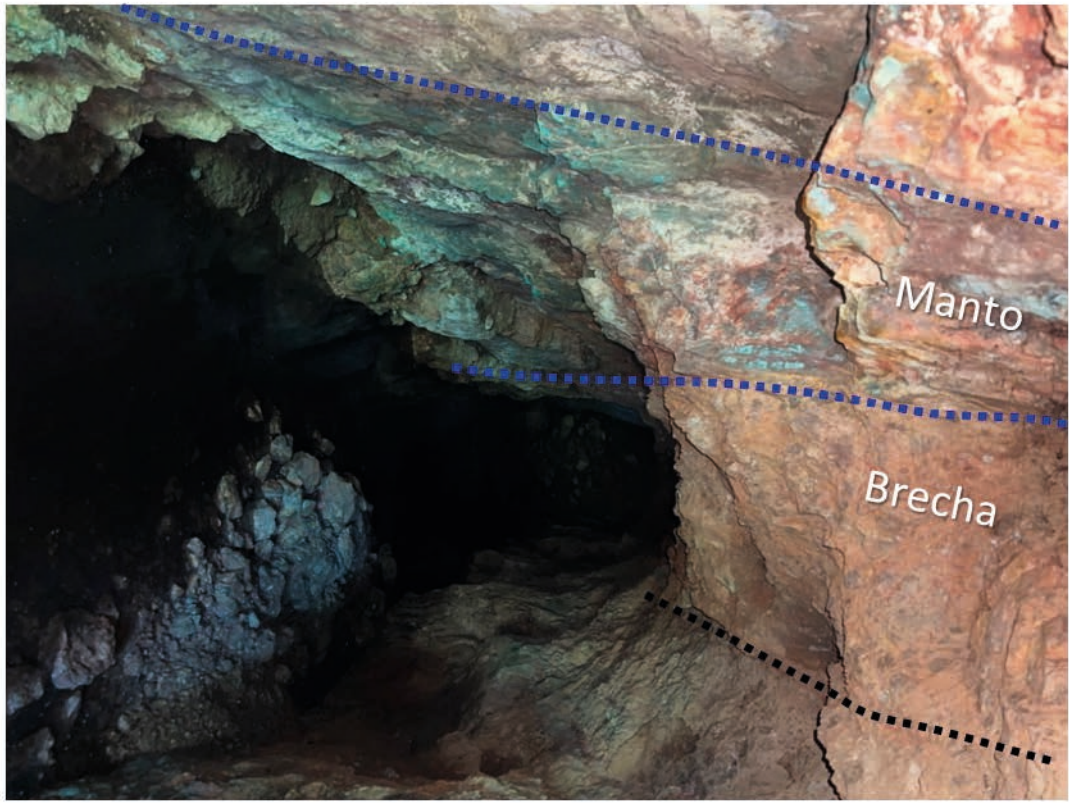




APPENDIX – SAN CARLOS UNDERGROUND SAMPLING

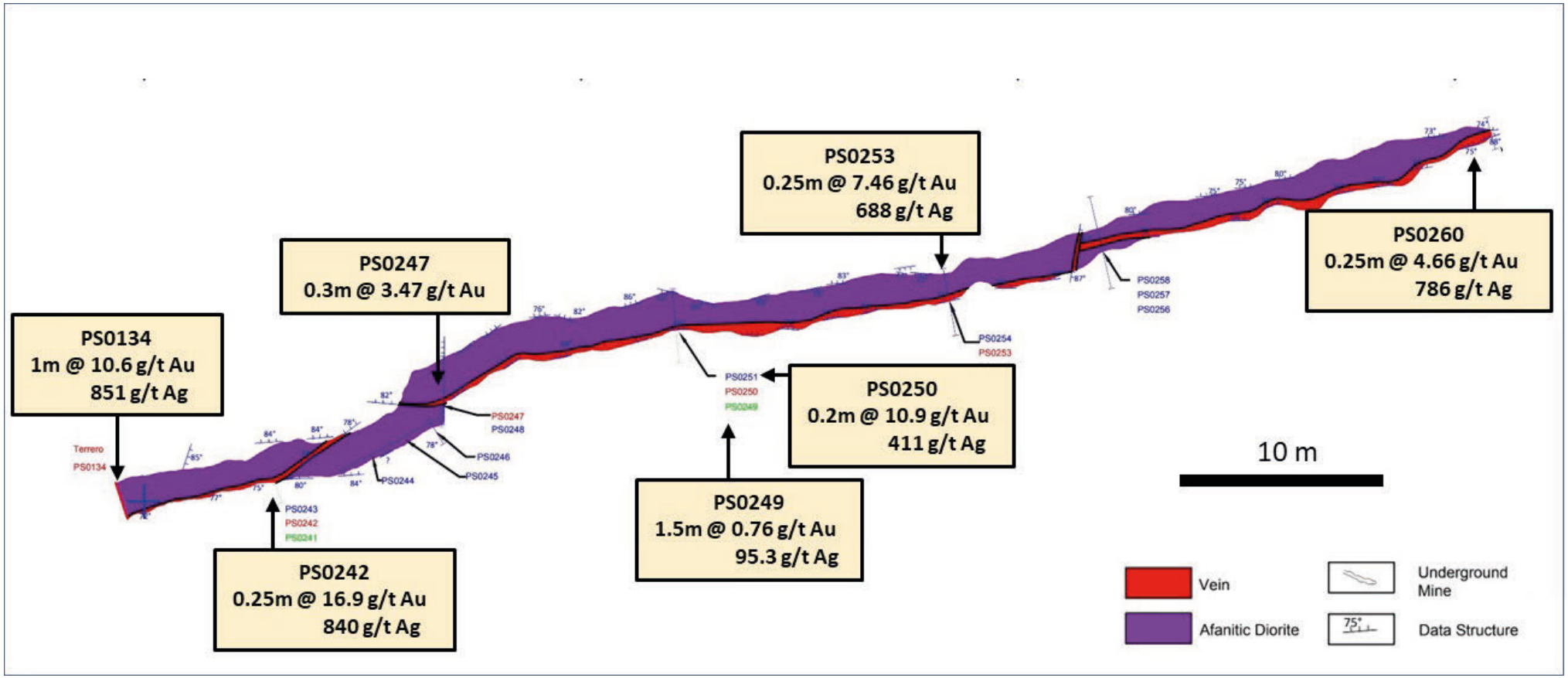


LA ZORRA MINE

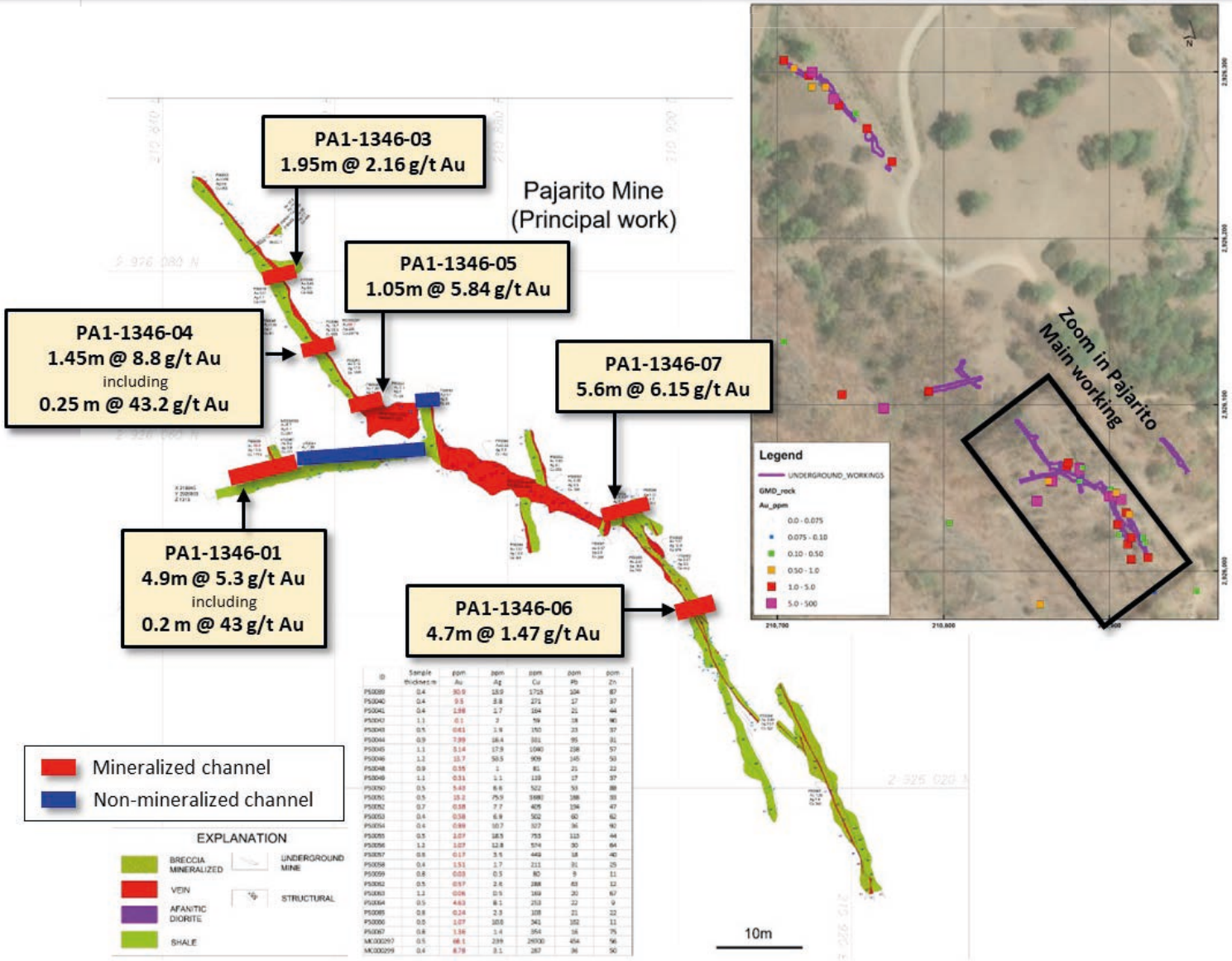


APPENDIX – SAN CARLOS UNDERGROUND SAMPLING

LA HACIENDA MINE



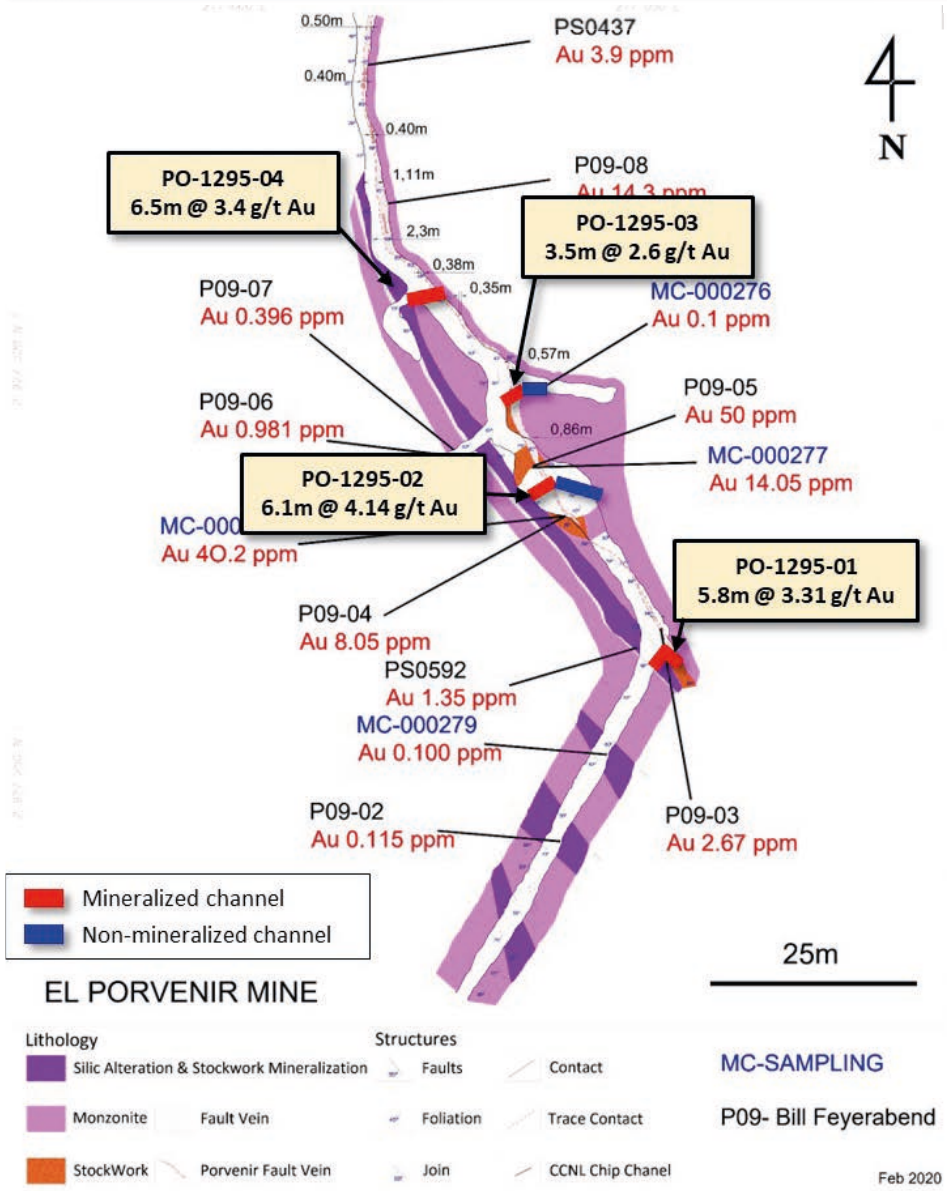
APPENDIX – ALTALEY UNDERGROUND SAMPLING

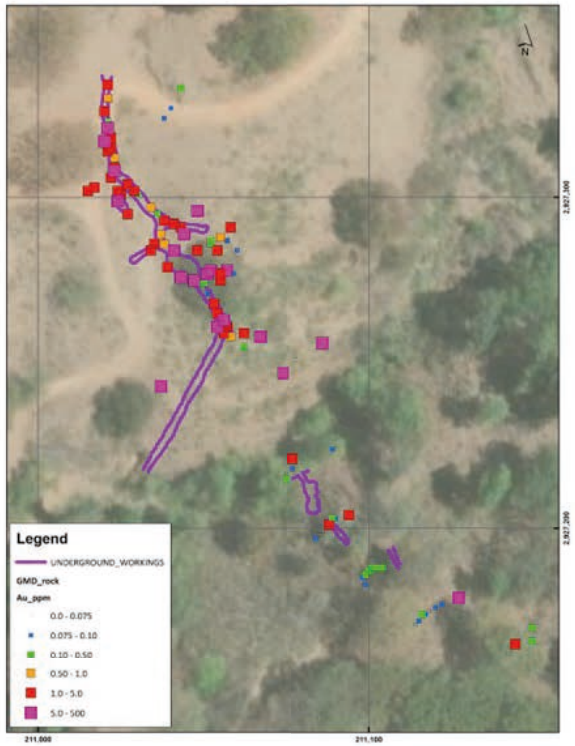


MAIN PAJARITO WORKING

APPENDIX – ALTALEY UNDERGROUND SAMPLING

PORVENIR WORKING

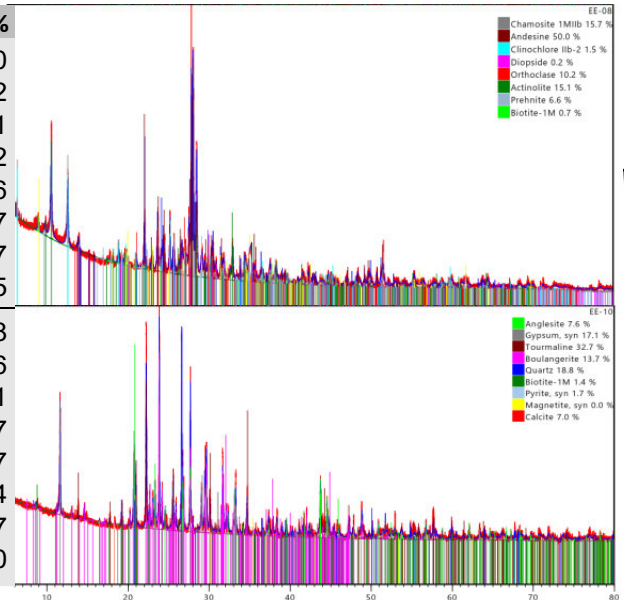




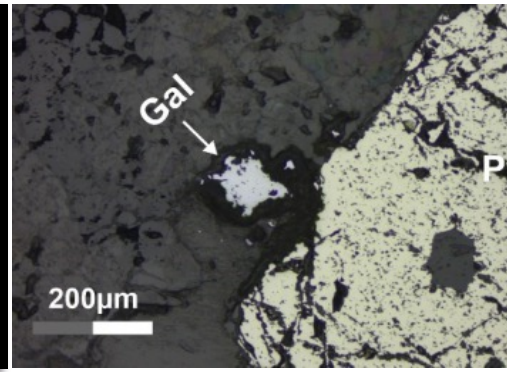
APPENDIX

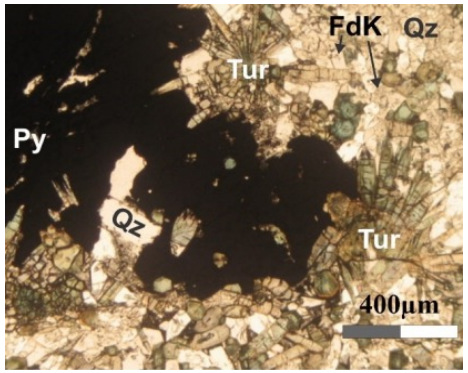
SPECIAL STUDIES

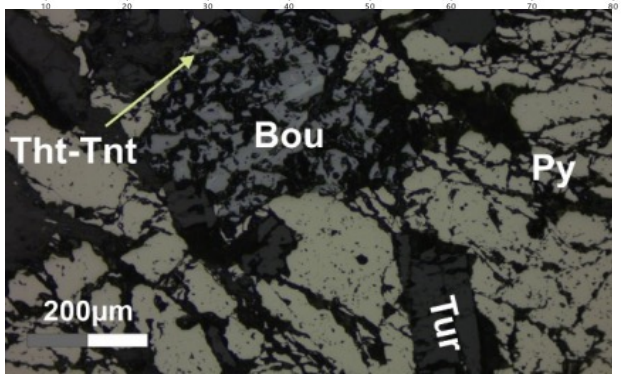
SAMPLE ID	DRX MINERALOGY	%
EE-08	Andesina: $(Na,Ca)(Si,Al)_3O_8$	50.0
	Piroxeno tipo diópsido o similar: $CaMgSi_2O_6$	0.2
	Anfíbol tipo actinolita o similar: $Ca_2(Mg,Fe^{2+})_5Si_8O_{22}(OH)_2$	15.1
	Feldespato potásico: $KAlSi_3O_8$	10.2
	Prehnita; $Ca_2Al(Si_3Al)O_{10}(OH)_2$	6.6
	Mica: $AC_{2-3}T_4O_{10}X_2$	0.7
	Chamosita: $(Fe^{2+}, Mg,Al,Fe^{3+})_6(Si,Al)_4O_{10}(OH,O)_8$	15.7
	Clinocloro: $(Mg,Fe^{2+})_5Al((OH)_8/AlSi_3O_{10})$	1.5
EE-10	Cuarzo: SiO_2	18.8
	Anglesita: $PbSO_4$	7.6
	Yeso: $CaSO_4\ 2H_2O$	17.1
	Turmalina: $Na,Ca)(Al,Fe,Li)(Al,Mg,Mn)_6(BO_3)_3(Si_6O_{18}).(OH,F)_4$	32.7
	Bulangerita: $Pb_5Sb_4S_{11}$	13.7
	Mica tipo biotita: $K(Mg,Fe)_3AlSi_3O_{10}(OH, F)_2$	1.4
	Pirita: FeS_2	1.7
	Calcita: $CaCO_3$	7.0



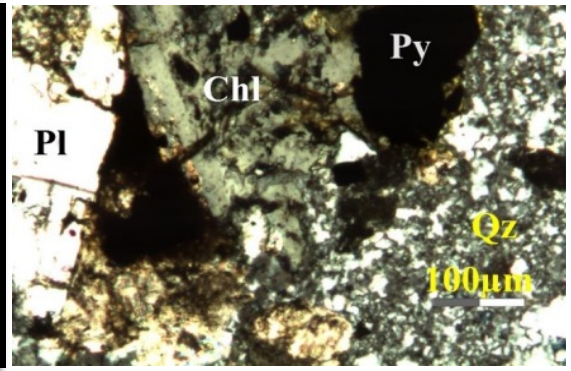
EE-10

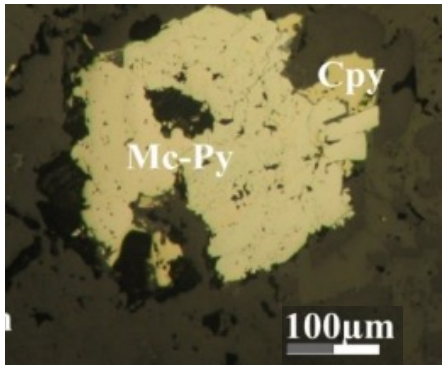


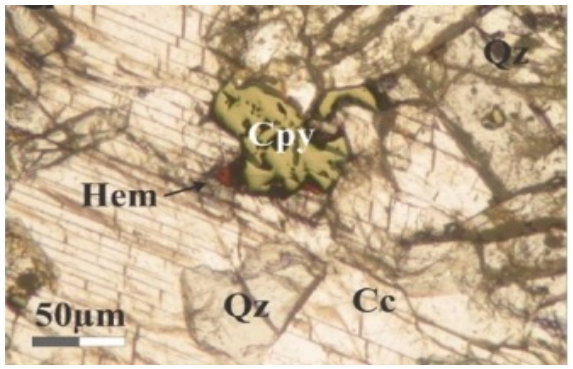




EE-08







APPENDIX

SPECIAL STUDIES
FLUID INCLUSIONS