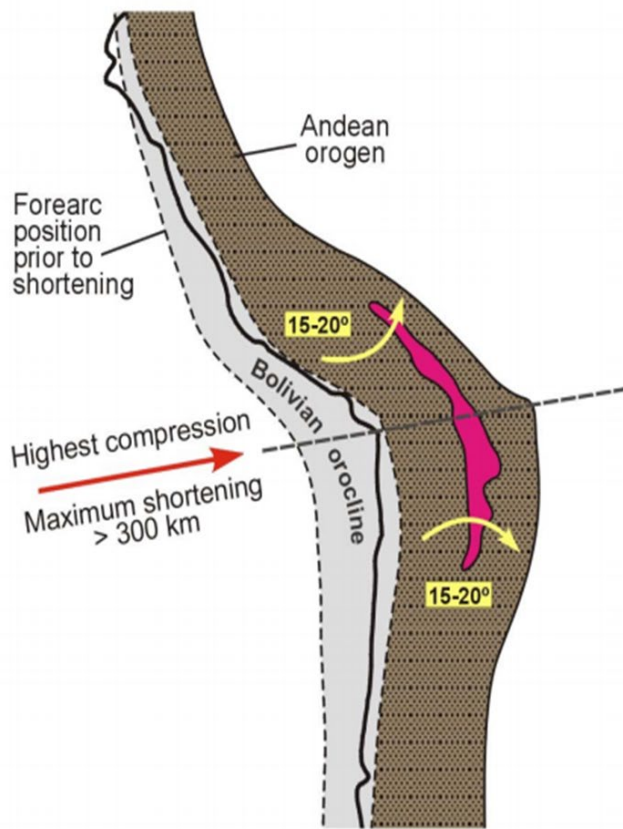
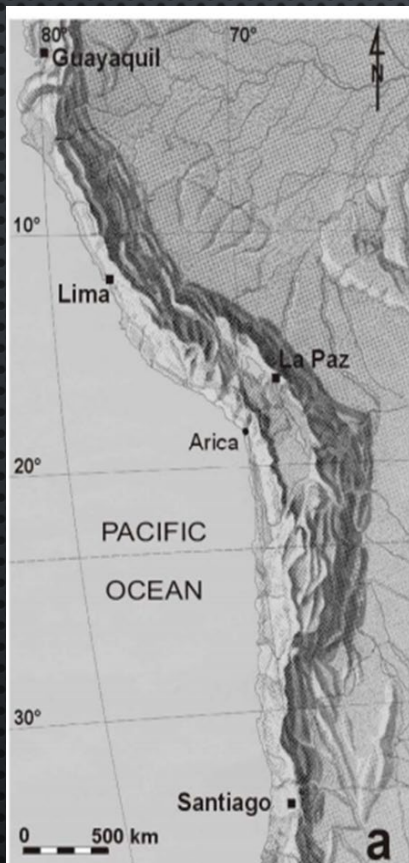


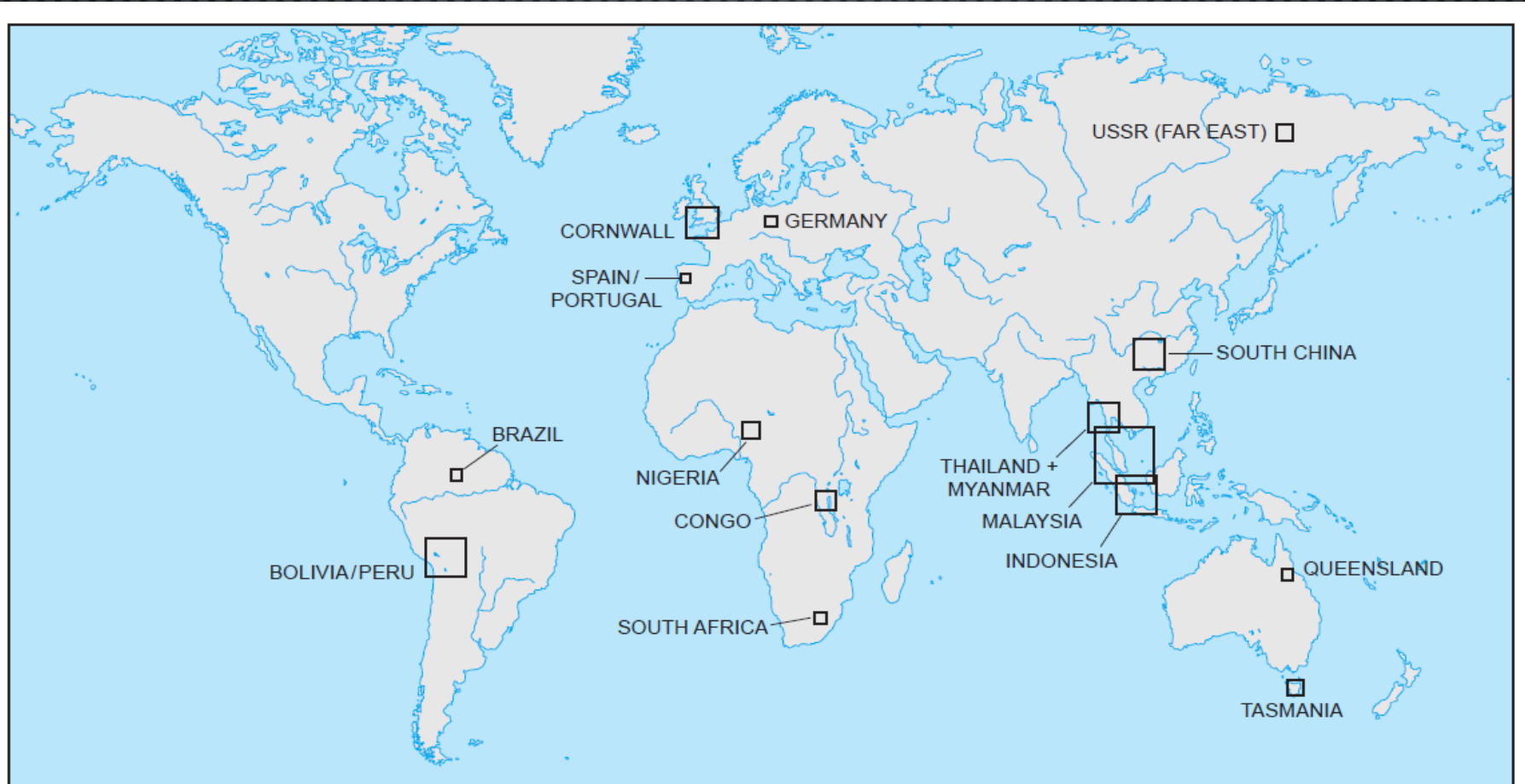
THE BOLIVIAN TIN BELT, SOUTHAMERICA



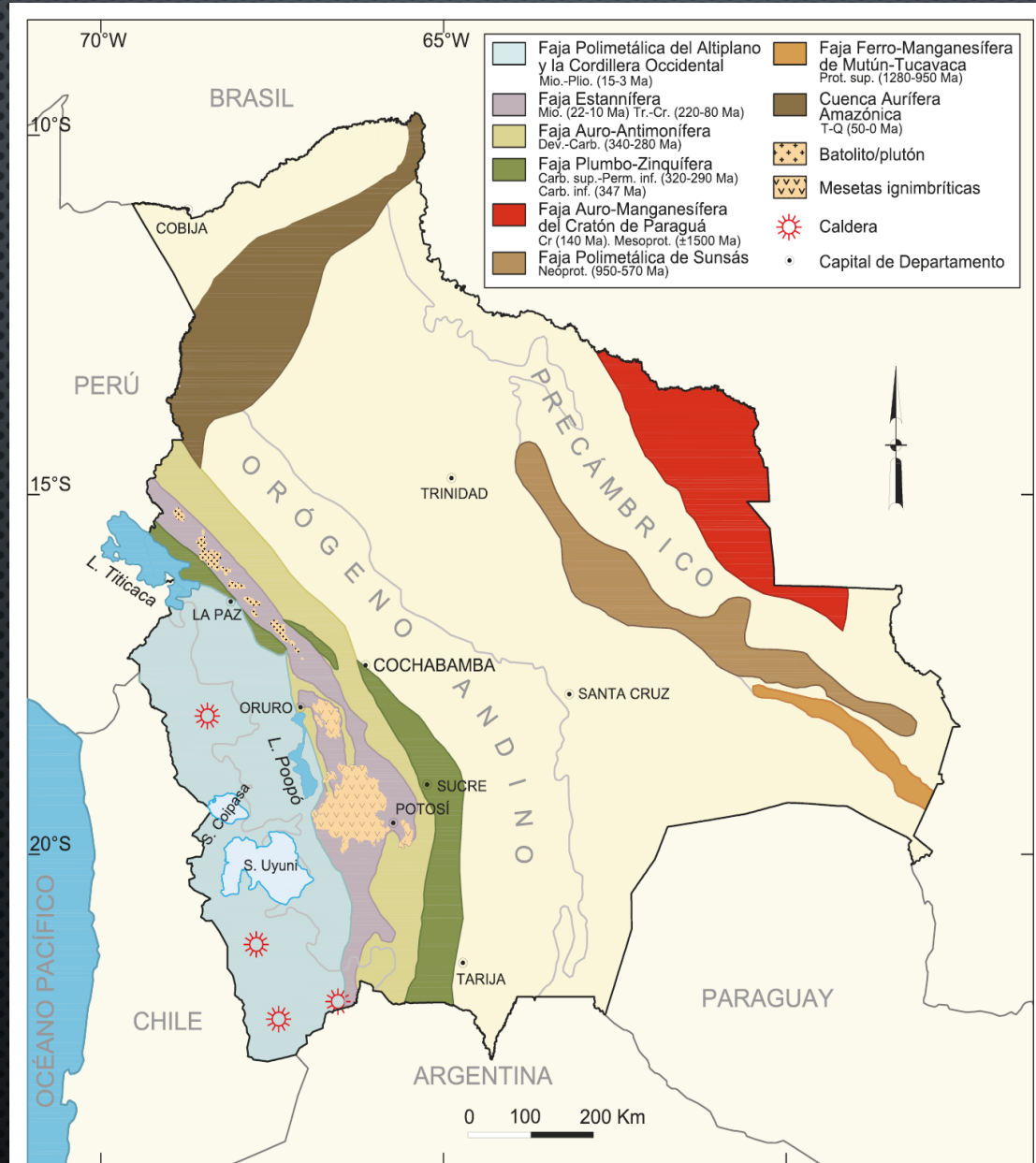
• **CASSITERITE (SNO₂)**

Oswaldo Arce, Ph.D., P.Geol.

MAIN TIN PROVINCES IN THE WORLD



METALLOGENIC BELTS IN BOLIVIA



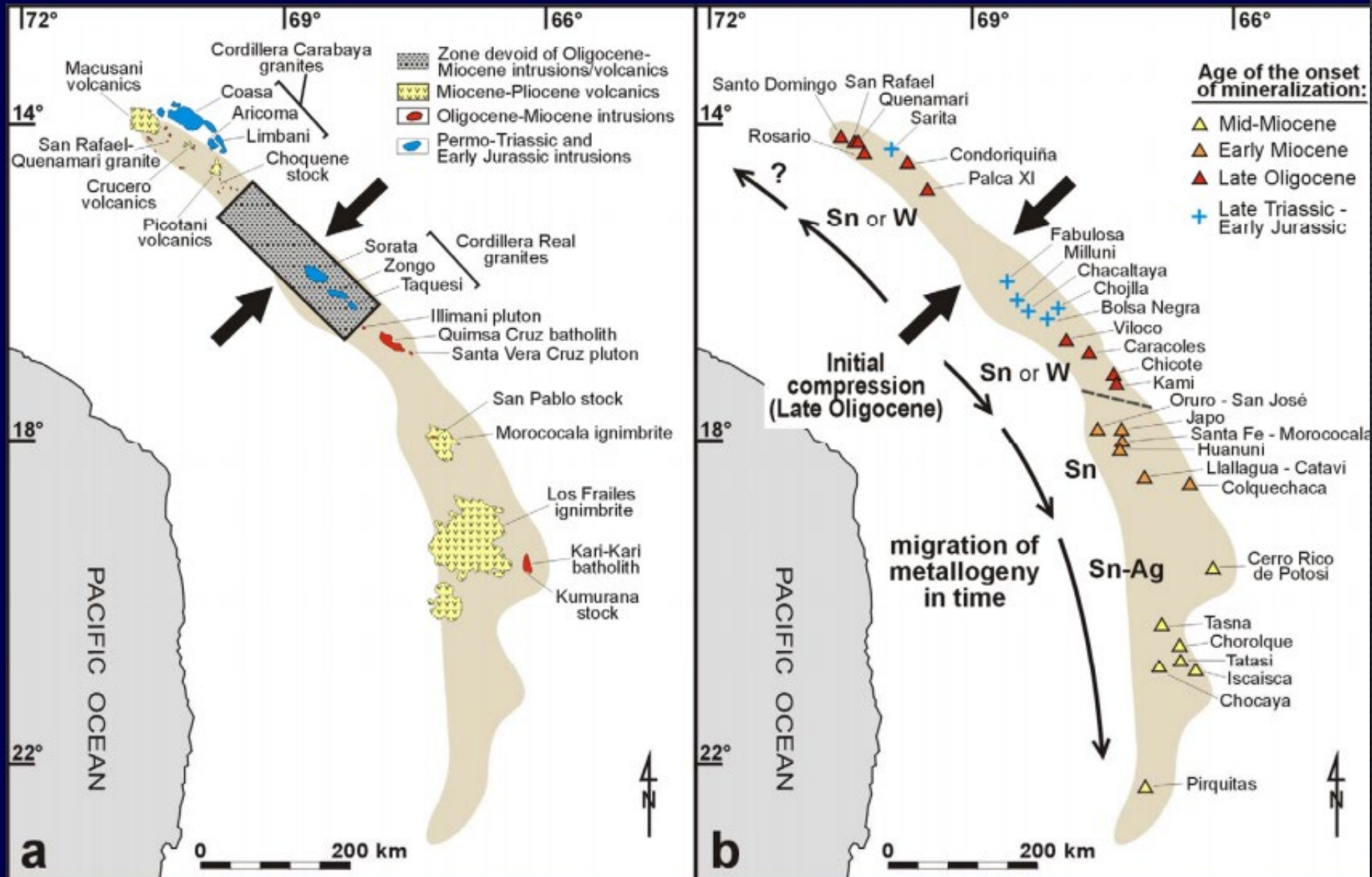
THE BOLIVIAN TIN BELT



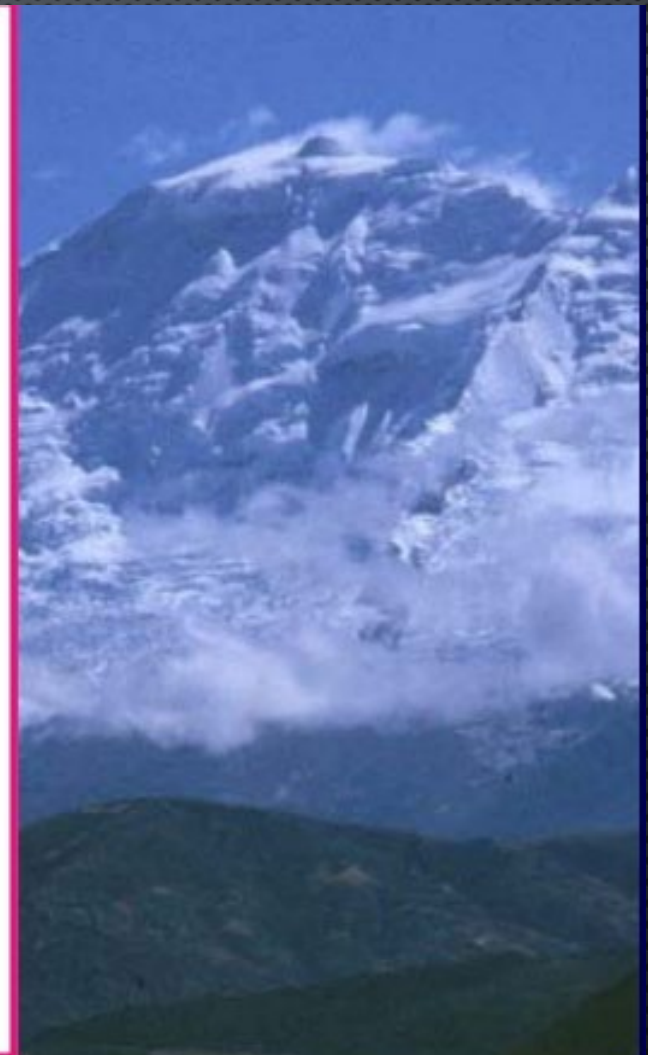
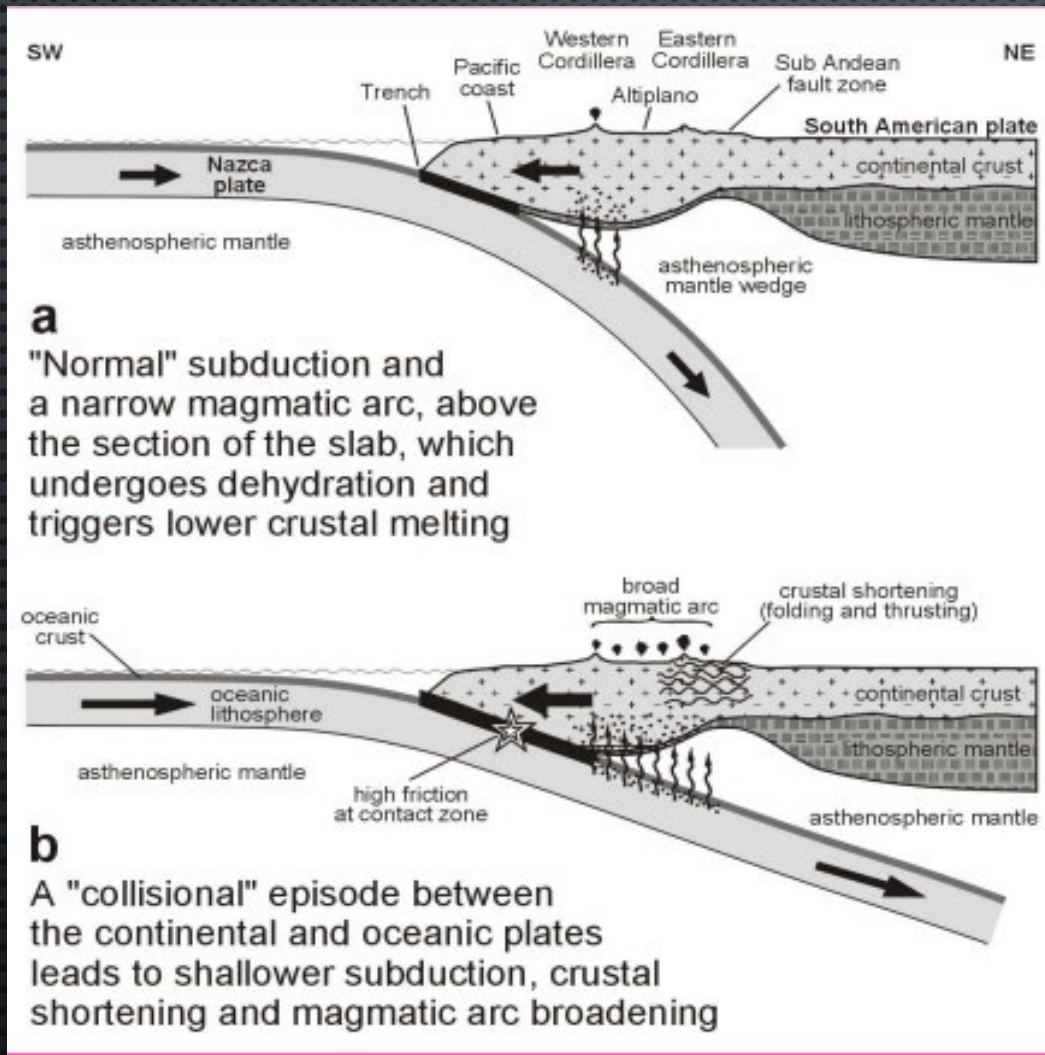
~1.000 km
long x ~40 km
wide

Arce, 2021

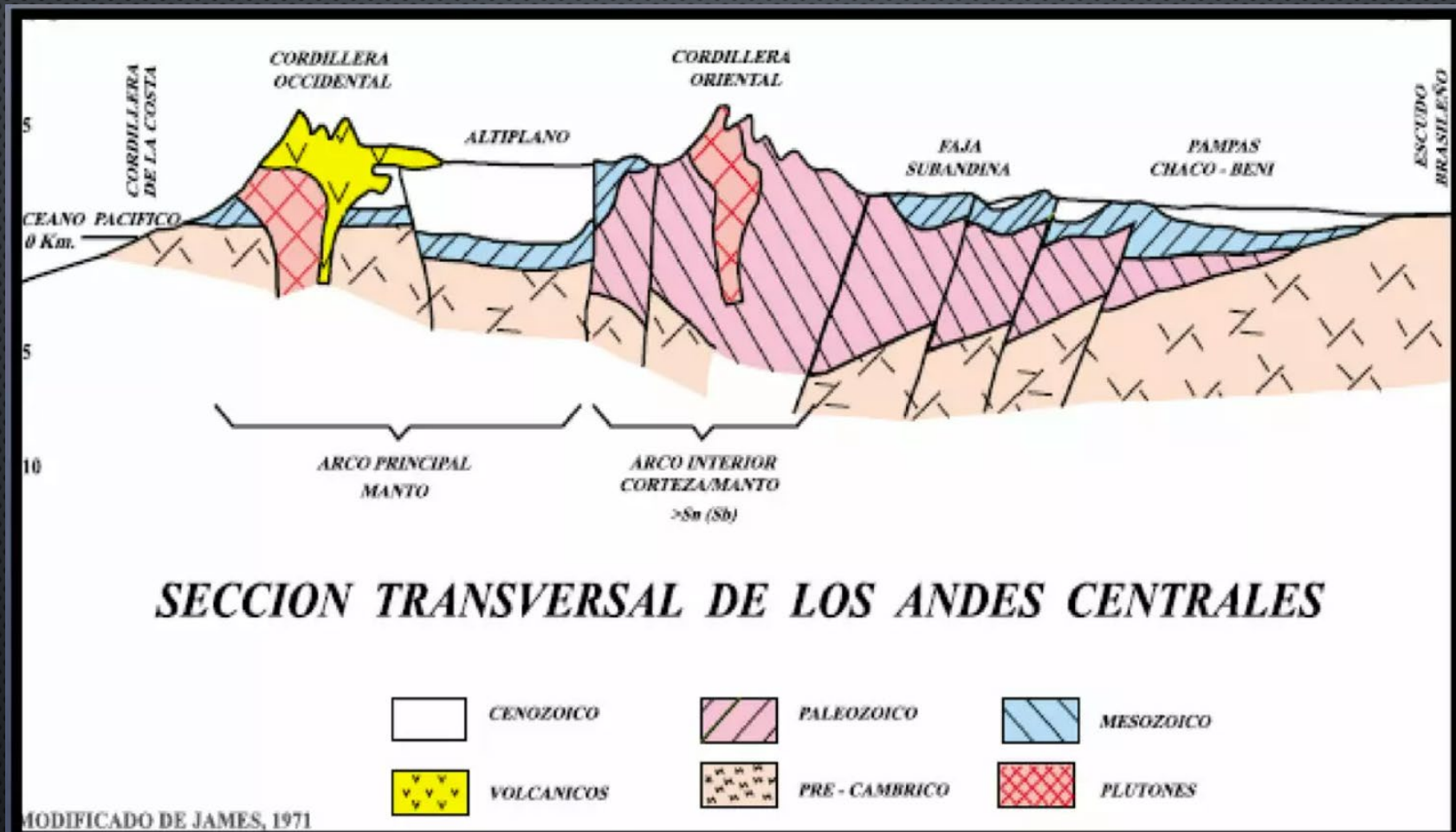
PLATE TECTONICS, TERTIARY MAGMATISM AND METALLOGENY



«COLLISIONAL» MODEL FOR THE TIN METALLOGENY

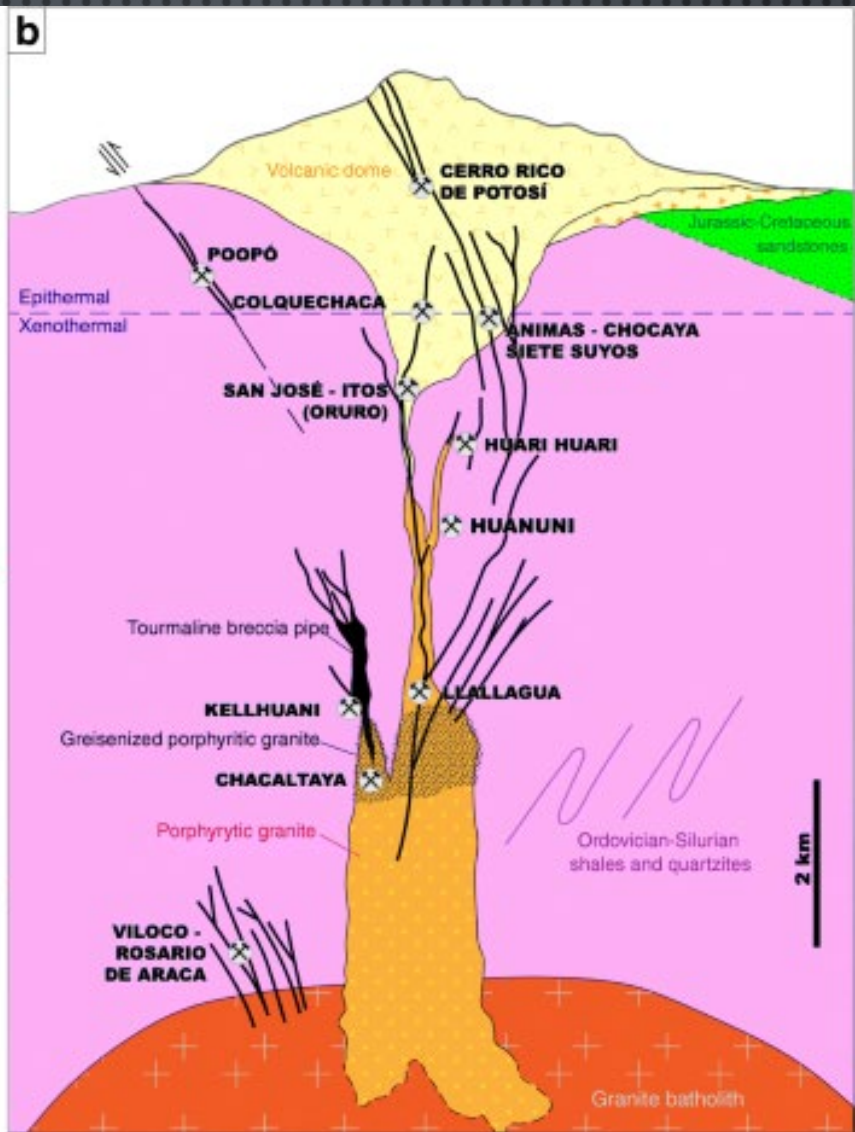


CROSS SECTION OF THE CENTRAL ANDES

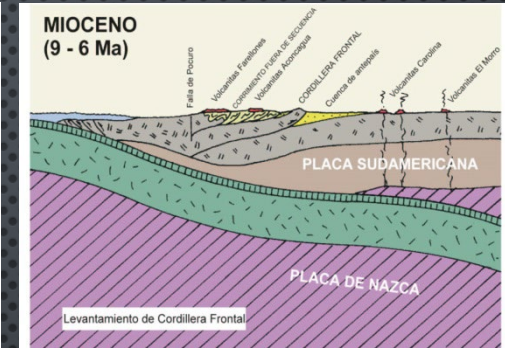
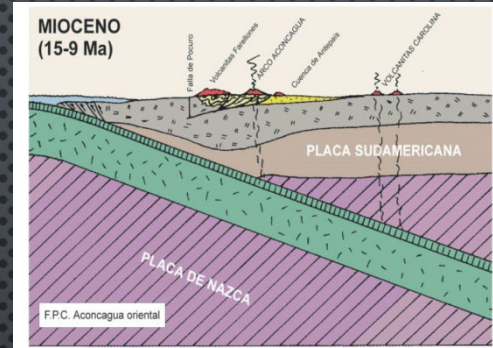
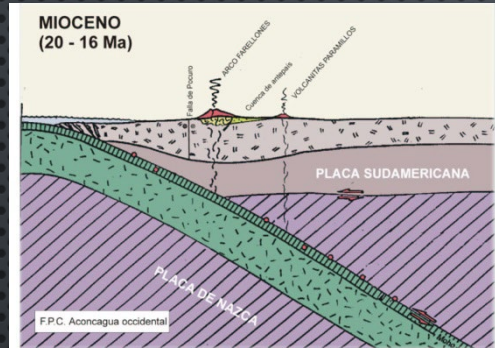


~ 80 KM OF CRUSTAL THICKNESS

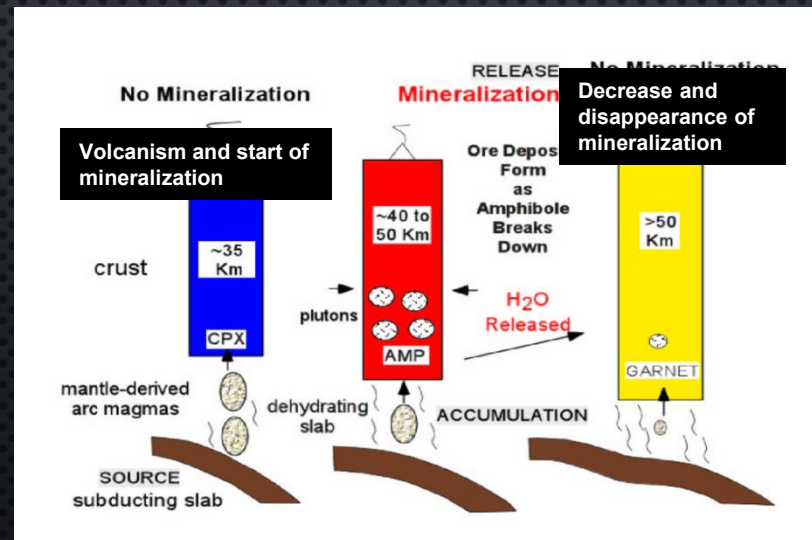
LOCATION OF MAIN BOLIVIAN TIN DEPOSITS IN A CONCEPTUAL MODEL



TIN BELT IN THE MIOCENE (20 - 6MA)



Evolution of the Miocene subduction: flat-slab and Andean adakites

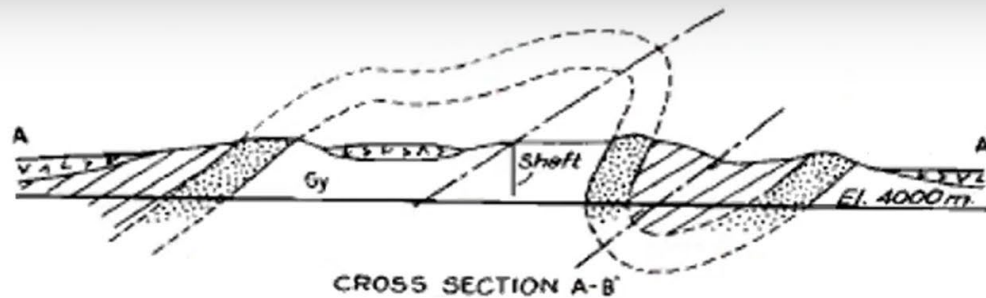


Tin porphyries

- LARGE TIN ACCUMULATIONS (~1 MT SN IN LLALLAGUA MINE).
- LOW GRADE $\leq 0,3\%$ SN.
- ALMOST EXCLUSIVELY IN BOLIVIA (RARE IN CHINA, SIBERIA, AUSTRALIA, CANADÁ).
- FELSIC INTRUSIVES.
- TELESCOPING.

Llallagua

- Disseminated, brecciated and stockwork mineralization in a very strong altered zone (quartz-sericite and quartz-tourmaline at depth).
- Veins:
 - 1) Quartz – bismuthinite – cassiterite
 - 2) Pyrrhotite – franckeite
 - 3) Stannite – sphalerite – chalcopyrite
 - 4) Sphalerite – siderite
 - 5) Sulphates, carbonates, phosphates



LEYENDA

TERCIARIO

-  Tobas Riolíticas
-  Porfido Cuarcifero Stock Salvadora

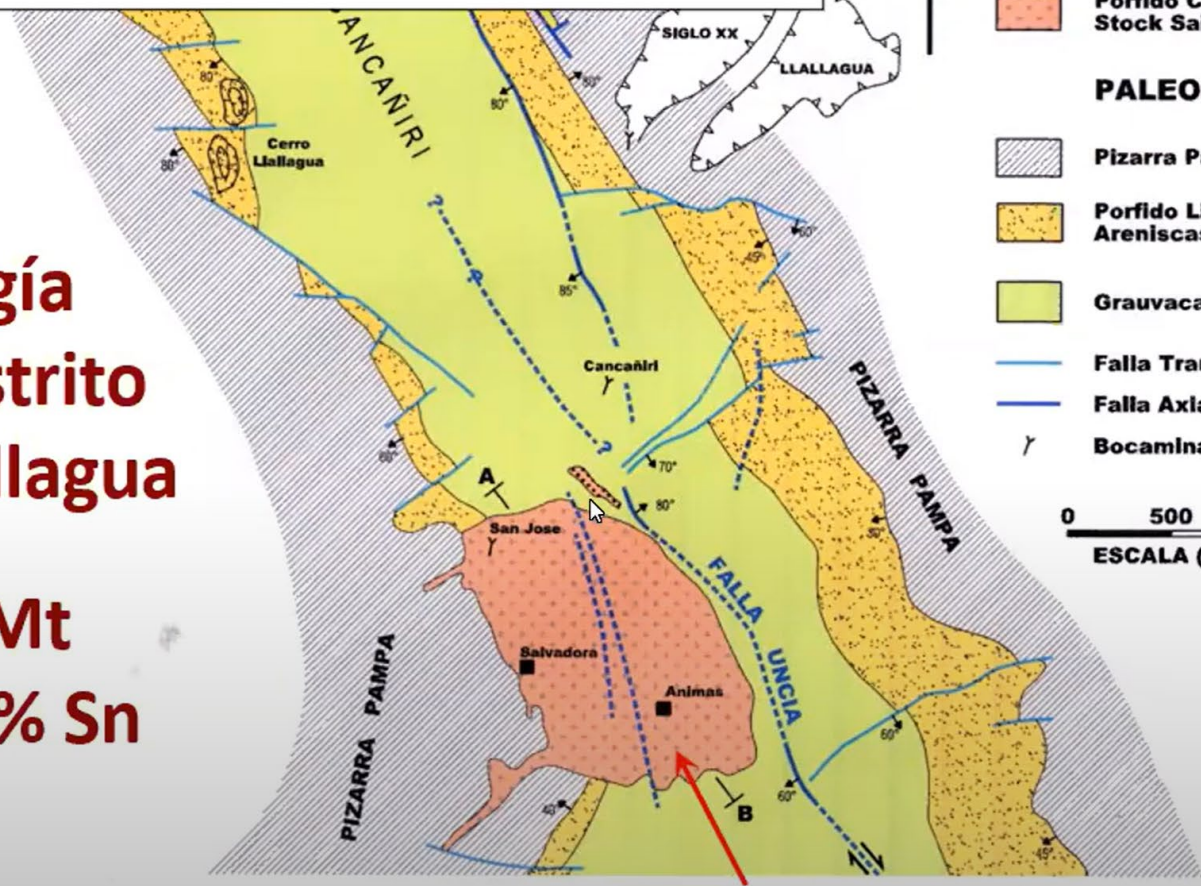
PALEOZOICO

-  Pizarra Pampa
-  Porfido Llallagua Areniscas, Pizarras
-  Grauvaca Cancañari
-  Falla Transversal
-  Falla Axial
-  Bocamina
-  Pique

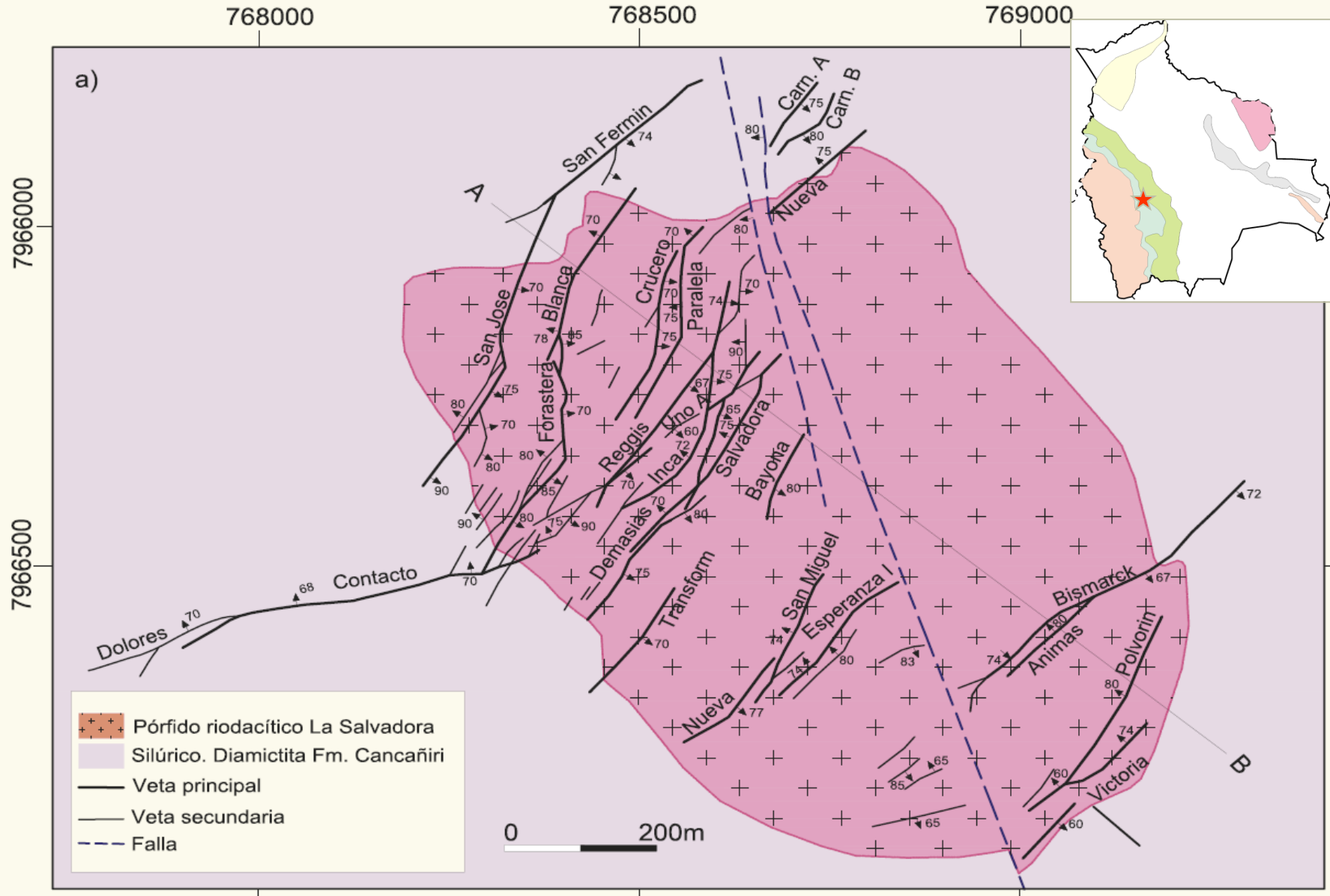


Geología Del distrito De Llallagua

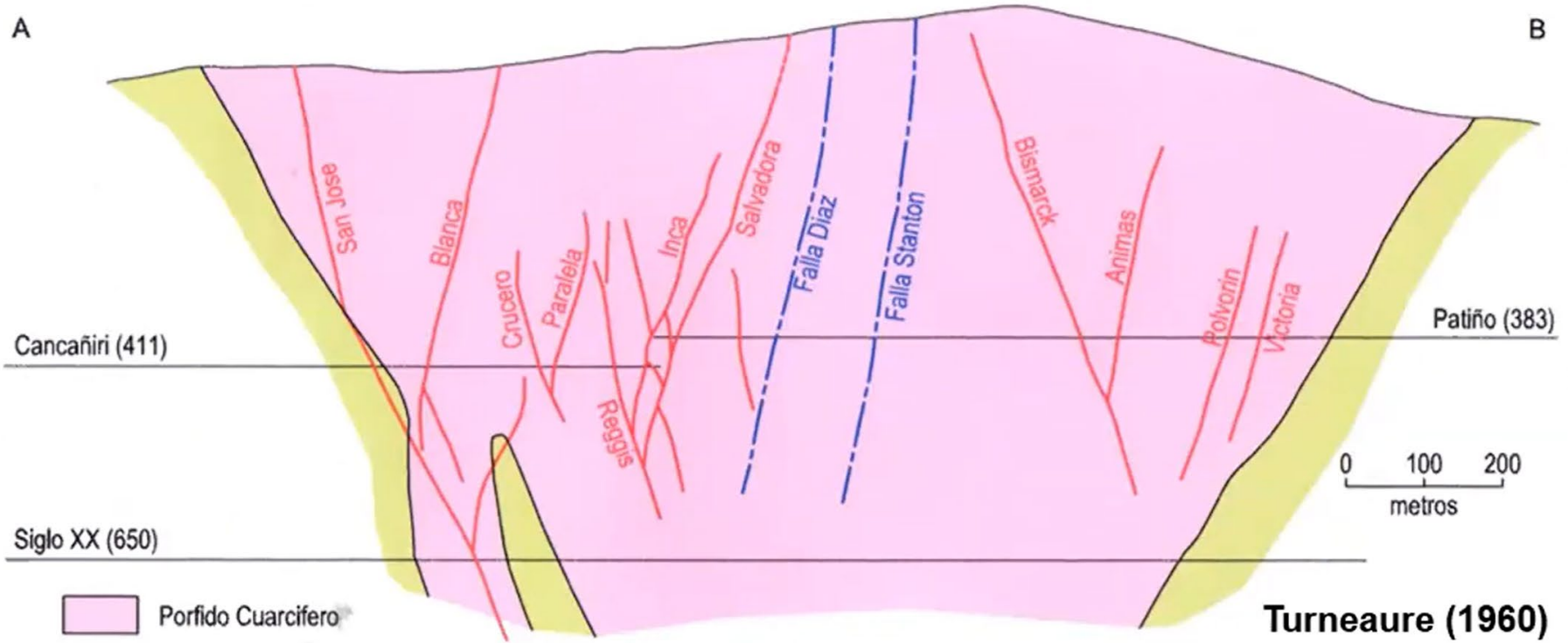
>500 Mt
@ 0.3% Sn



Rhyodacite stock ~1 x 2 km

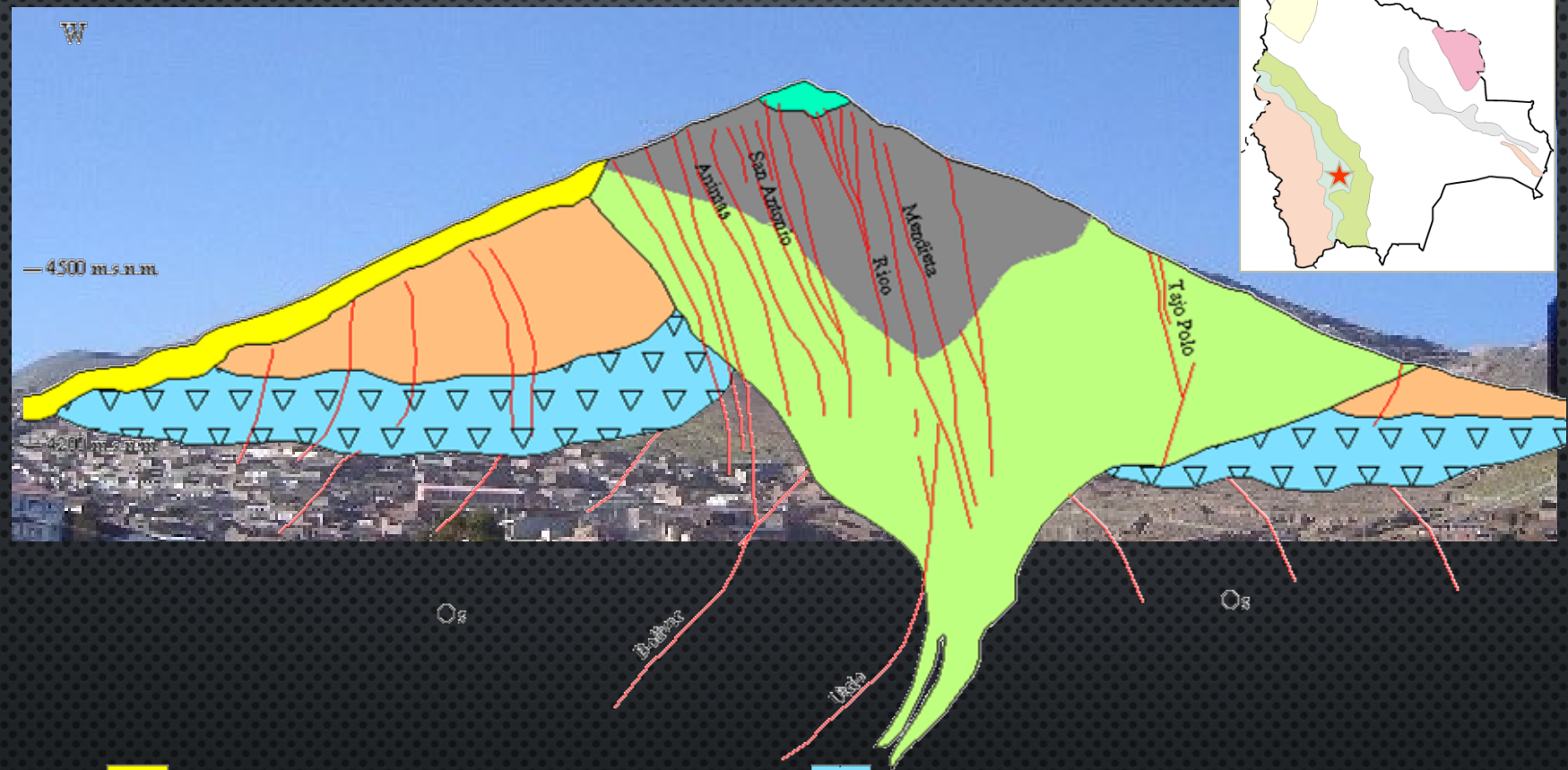
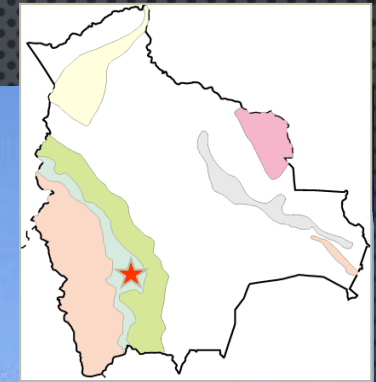


LLALLAGUA



Cerro Rico de Potosi

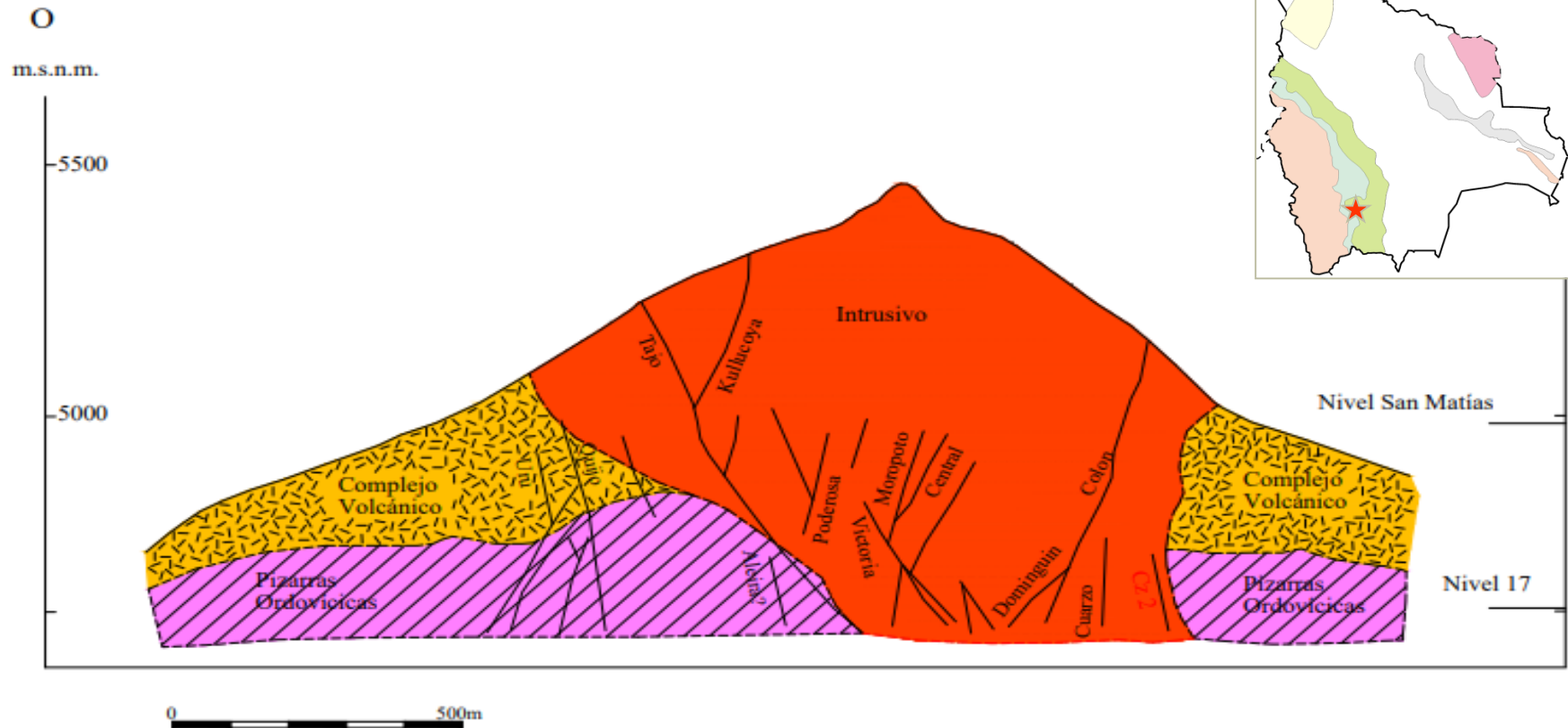
Over 60,000 tonnes of Ag produced, still about half in situ



- Colluvial cover
- Rhyolitic dome
- Tuffs
- Silicified and argillic zones
- ▽▽ Volcanic breccia Pailaviri Fm
- Os Ordovician sales and quartzites
- Main veins
- Vuggy silica

(SERGEOMIN, 2000)

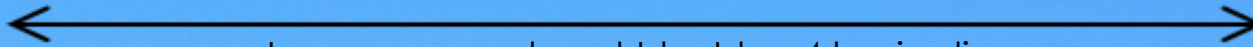
CHOROLQUE TIN PORPHYRY



Strongly altered (quartz-sericite and quartz-tourmaline) quartz porphyry dacitic stock, intrusión breccia with polymetallic mineralization including tin porphyry (Sn, W, Bi, Cu, Ag, Au) in subvertical veins.

DISCOVERY OF A MAJOR TIN - POLYMETALLIC SYSTEM IN SOUTHERN BOLIVIA BY ELORO RESOURCES LTD.

Iska Iska



Igneous complex at Iska Iska, 4 km in diam.



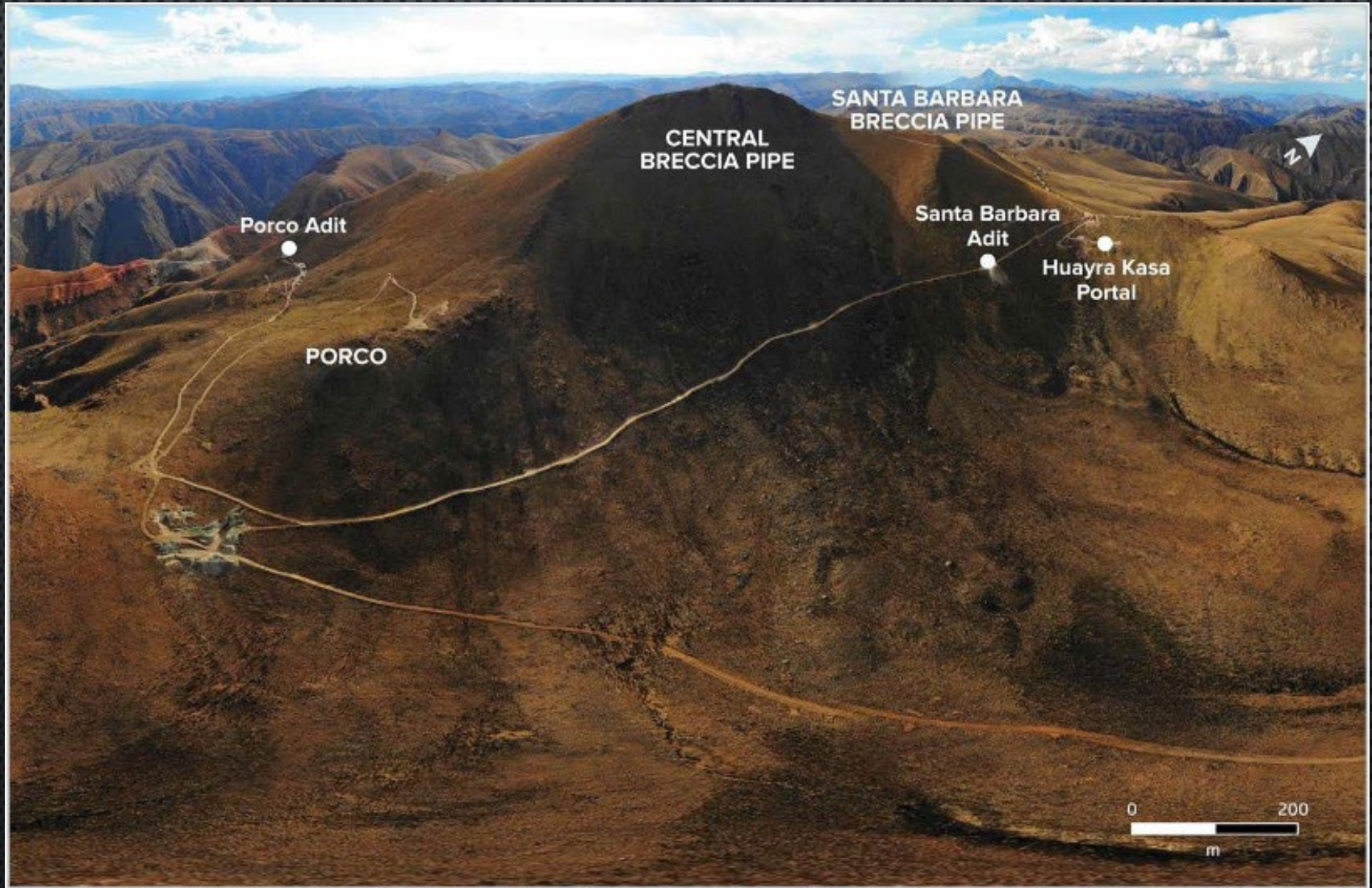
MRE. Eloro Resources Announces Initial Inferred Mineral Resource Estimate of 670 million tonnes containing 1.15 Billion In-situ Ounces Silver Equivalent.

• Total in situ metal estimated to be 298 million ounces Ag, 4.09 million tonnes Zn, 1.74 million tonnes Pb and 130,000 tonnes Sn totalling 1.15 billion ounces silver equivalent

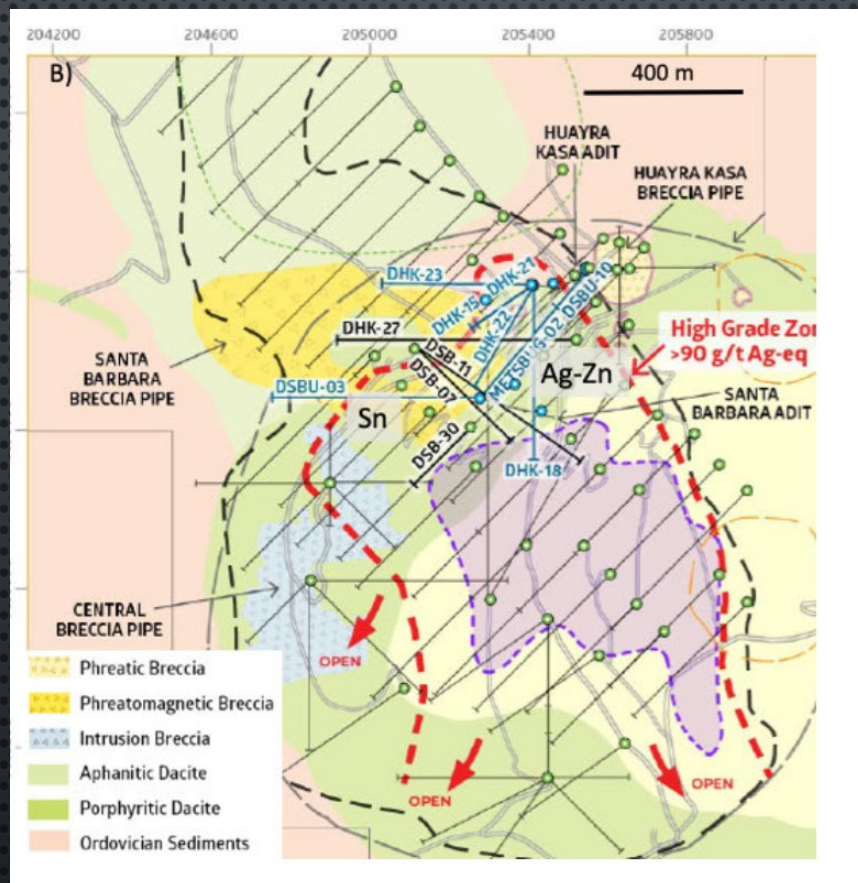
DISCOVERY OF A MAJOR TIN - POLYMETALLIC SYSTEM IN BOLIVIA BY ELORO RESOURCES LTD.



ISKA ISKA DEPOSIT, SOUTHERN BOLIVIA



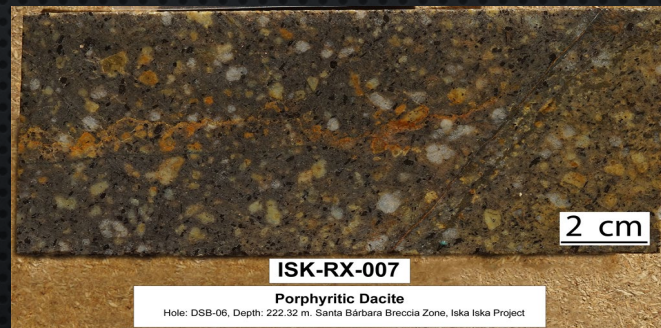
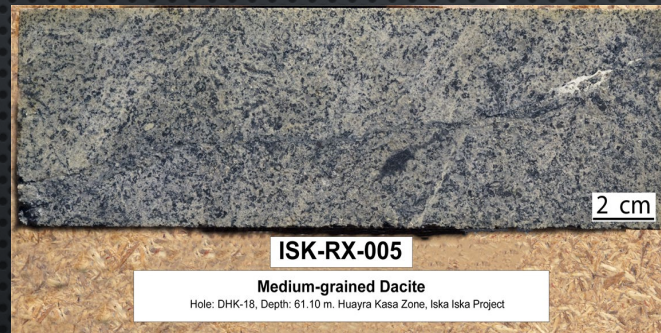
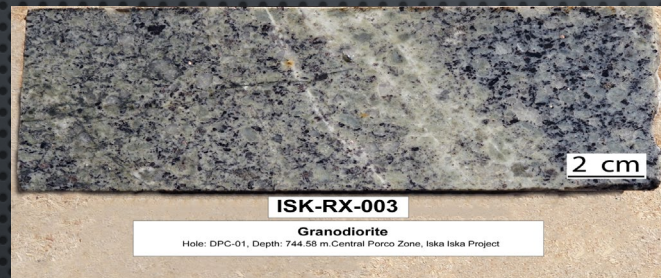
ISKA ISKA



Collapse-resurgent caldera polymetallic (porphyry-xenothermal-epithermal) system in granodiorite stock, dacitic domes, breccia pipes emplaced in Ordovician basement.

Dimension: 1.6km x 1.8km x 1km vertical extent

MAIN ROCK TYPES



12 MAIN RECENT DRILLHOLE INTERCEPTS

Date	Drillhole No.	Interval (m)	Grade (g AgEq/t)	Grade x Length	Ag (g/t)	Sn (%)	Zn (%)	Pb (%)
20-Sep-22	DSB-30	441.21	150.47	66,389	9.45	0.07	1.53	0.88
31-Jan-23	DHK-27	325.48	202.43	65,886	69.80	0.12	1.21	0.49
21-Jul-22	DSBU-10	349.03	188.64	65,842	44.75	0.14	1.05	0.76
28-Jul-21	DHK-18	300.75	169.81	51,071	18.37	0.05	2.14	0.67
1-Mar-22	DSBU-03	373.40	129.08	48,198	12.46	0.22	0.29	0.22
23-Feb-22	METSBUG-02	303.05	146.81	44,492	40.16	0.13	0.51	0.41
26-Jan-21	DHK-15	257.50	159.13	40,977	29.53	0.06	1.45	0.58
28-Sep-21	DHK-21	194.14	198.85	38,604	36.53	0.10	1.63	1.20
28-Sep-21	DHK-22	201.81	118.71	23,957	3.70	0.05	1.51	0.41
26-May-21	DSB-07	173.58	136.02	23,610	8.55	0.06	1.01	0.48
2-Nov-21	DHK-23	188.46	119.05	22,436	38.71	0.02	0.88	0.51
28-Jul-21	DSB-11	137.34	135.68	18,634	40.27	0.14	0.01	0.48

RECURSOS MINERALES INFERIDOS

