

**SILVER DEPOSITS IN VENEZUELA  
BIBIOGRAPHIC REFERENCES OF SILVER DEPOSITS  
IN VENEZUELA THROUGH THE  
STRATIGRAPHIC CODE OF VENEZUELA, GEOREF,  
ASTER VNIR IMAGES, GOOGLE EARTH AND INTERNET**

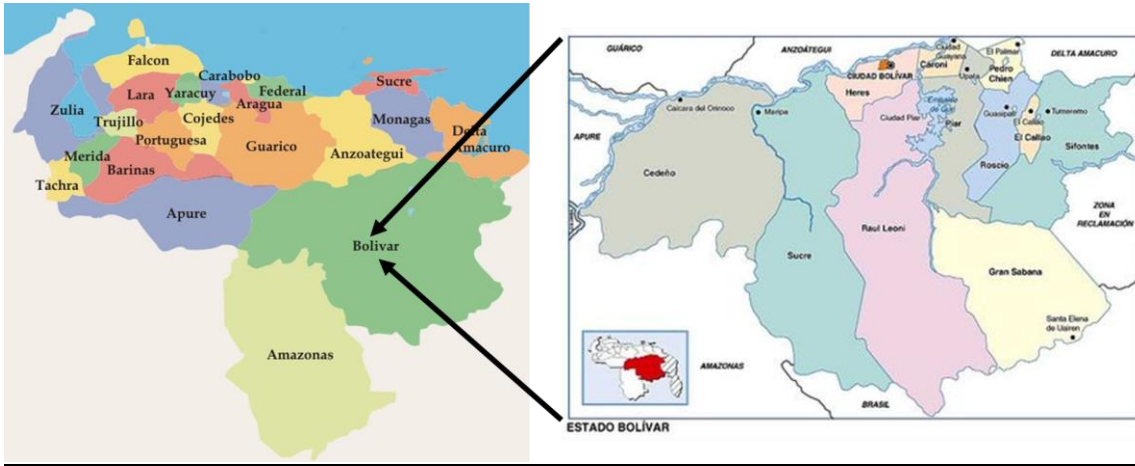
**Mariato Castro Mora**

The first writings that reveal the presence of minerals in Venezuelan territory, date back to the 16th century from the presence of the Spanish conquerors who were later joined by Anglo-Saxon pirates and corsairs, sent to the New World for purposes of colonization, evangelization of natives, exploration of territories and identification of wealth. However, some archaeological findings and investigations allow to affirm the existence of mining activities before the Spanish presence in the Venezuelan territory.

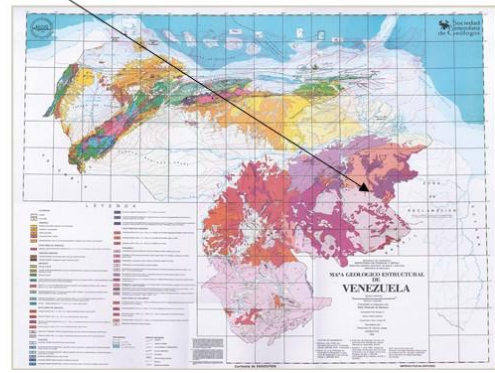
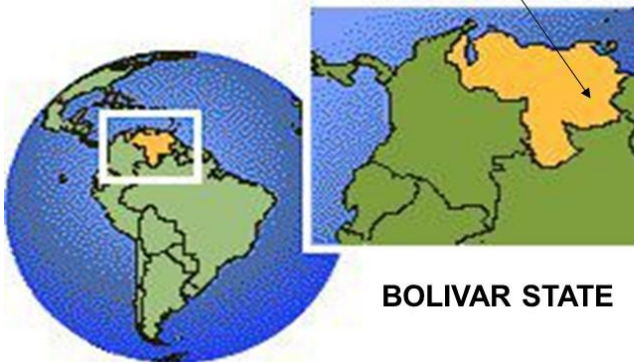


Following is a summary of silver locations mentioned in the geological and mining bibliography

## **BOLIVAR STATE**

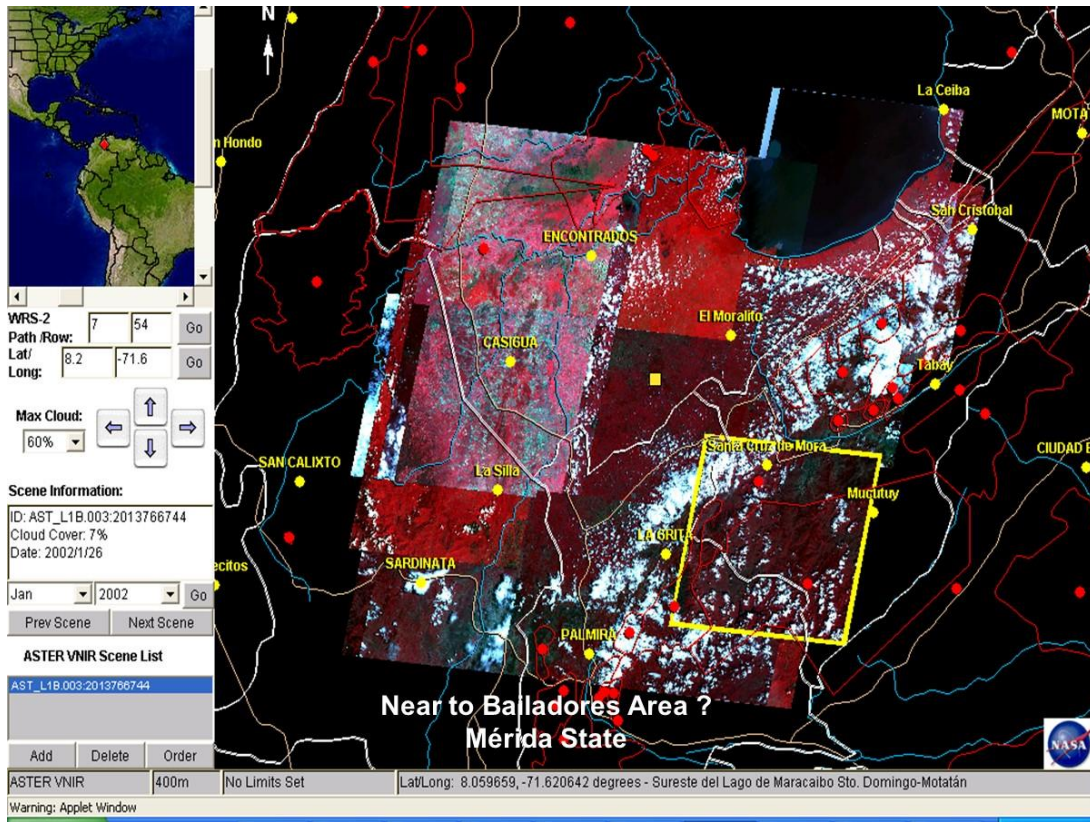
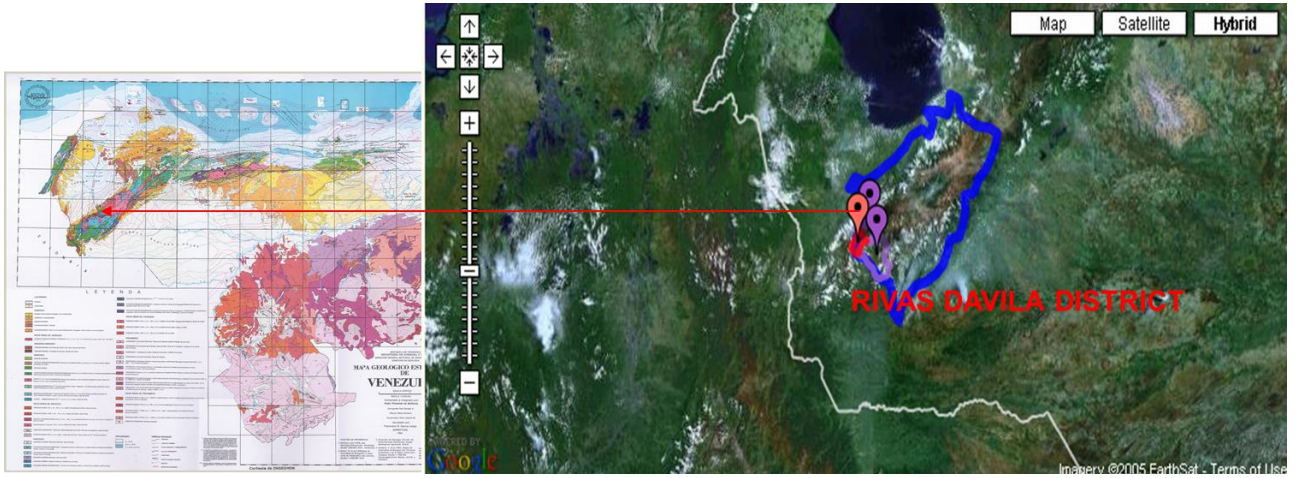


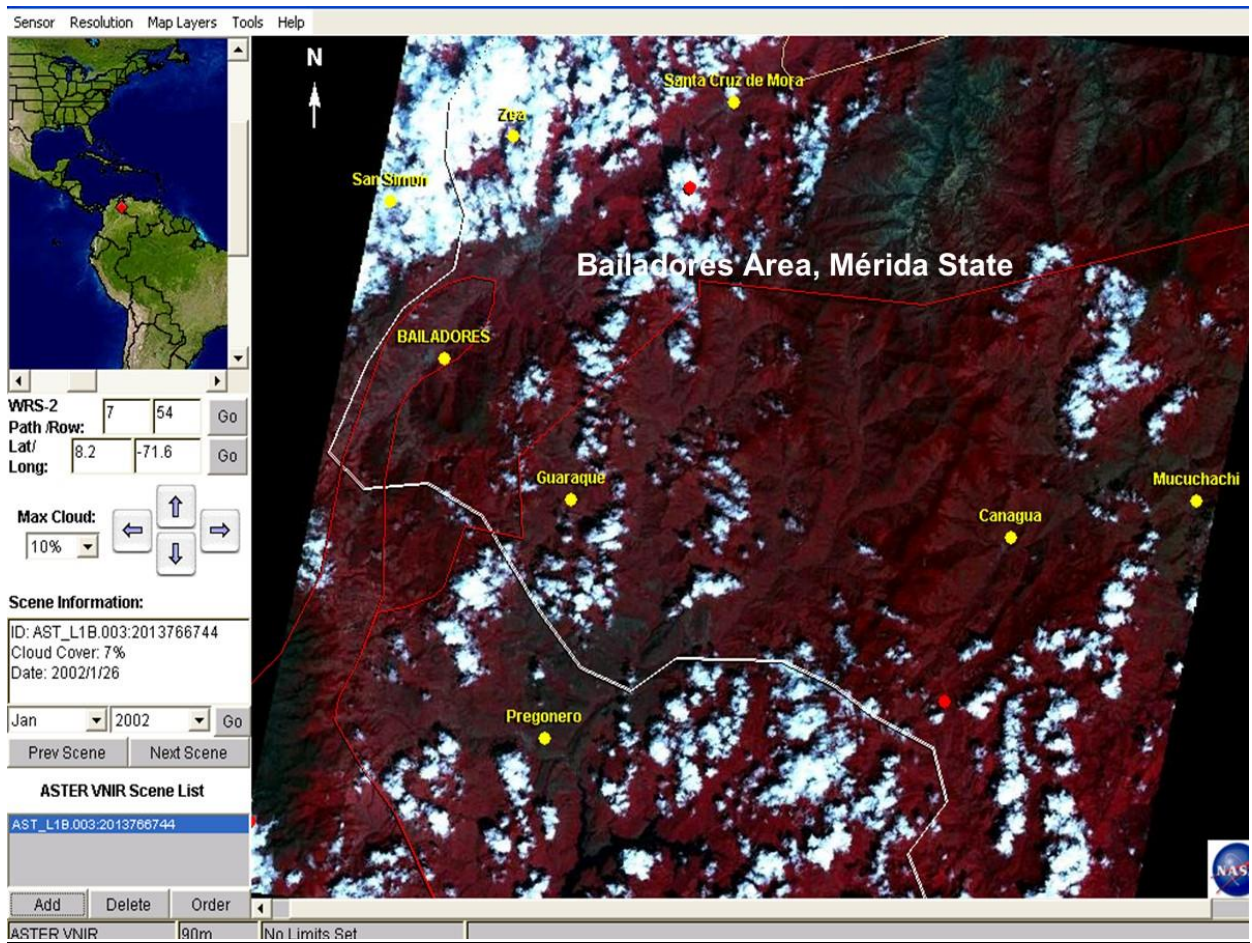
State	Location	Coordinates	Age	Formation	Deposit Type	Host Rock Type	Official Map
Bolívar	Merevari	4° 6' 35" N / 63° 46' 21" W	Early Proterozoic	Caicara	Veins	Volcanic	
	Cerro Azul Valley Placers	7° 35' 58" N / 62° 44' 39" W	Cenozoic		Placer, alluvial	Alluvial sediments	7632



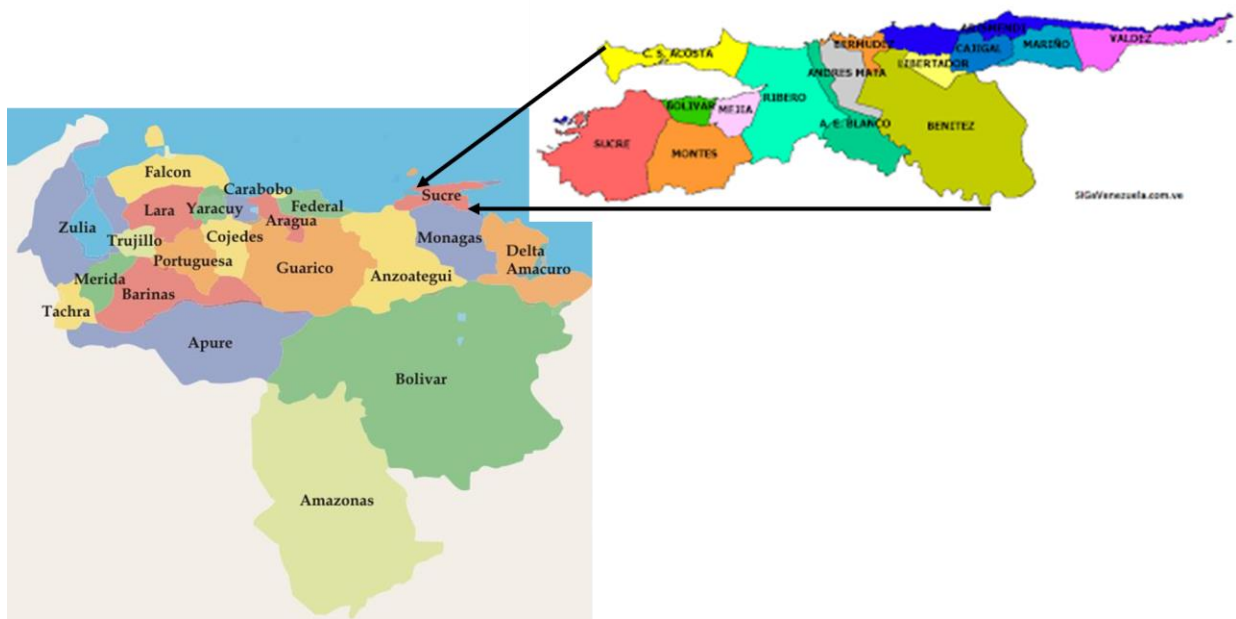


State	District	Community	Location	Location Relative	Coordinates	Age	Group	Formation	Host Rock Type	Official Map
Mérida	Sucre		San Pedro	Lagunillas Region	8° 30' N / 71° 28' W				Felsic rocks	
	Rivas Dávila	Guaraque	Guaraque		8° 09' 43" N / 71° 44' 26" W	Precambrian	Iglesias			
						Paleozoic		Mucuchachi		5939
						Precambrian		Sierra Nevada		5941
	Rivas Dávila		Bailadores	Bailadores Town area	8° 15' 22" N / 71° 49' 36" W	Precambrian	Iglesias			
			Bailadores		8° 21' N / 71° 53' W	Lower Paleozoic			Phyllite, metavolcaniclastic rocks	
						Paleozoic		Mucuchachi		5939
						Precambrian		Sierra Nevada		5941
	Rivas Dávila		Las Gonzalez-Estanquez							
	Rivas Dávila		De Lima I	La Rosa						
Rivas Dávila		De Lima II				Paleozoic		Mucuchachi		5939



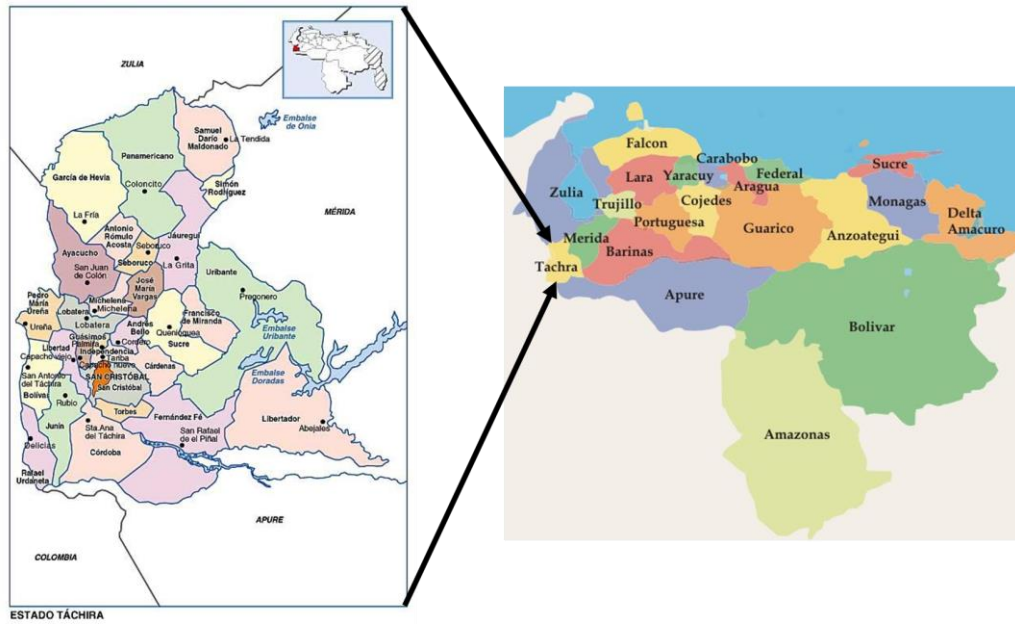


## SUCRE STATE



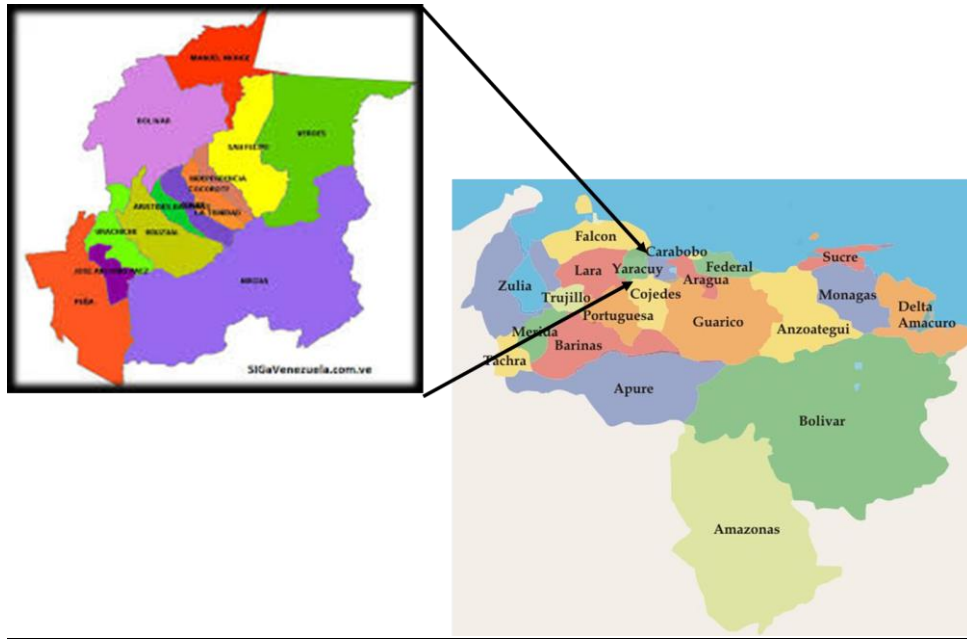
State	District	Location	Location Relative	Coordinates	Age	Formation	Host Rock Type	Official Map
Sucre	Andrés Mata	Gran Pobre		10° 35' 14" N / 63° 15' 12" W				
	Bermúdez	Gran Pobre		10° 33' N / 63° 07' 41" W			Phyllites, schist	
	Bermúdez	Río de Piedras		10° 33' N / 63° 07' 45" W			Phyllites, schist	
	Bermúdez	Canchunchu		10° 33' N / 63° 07' 43" W			Phyllites, schist	
	Carúpano			10° 38' N / 63° 15' W				
Bermúdez	El Encanto	Southwest of Carupano City, south of El Muco Town		10° 33' N / 63° 07' 40" W	Cretaceous	Tunapui	Phyllites, schists	7547 / 7643

**TACHIRA STATE**

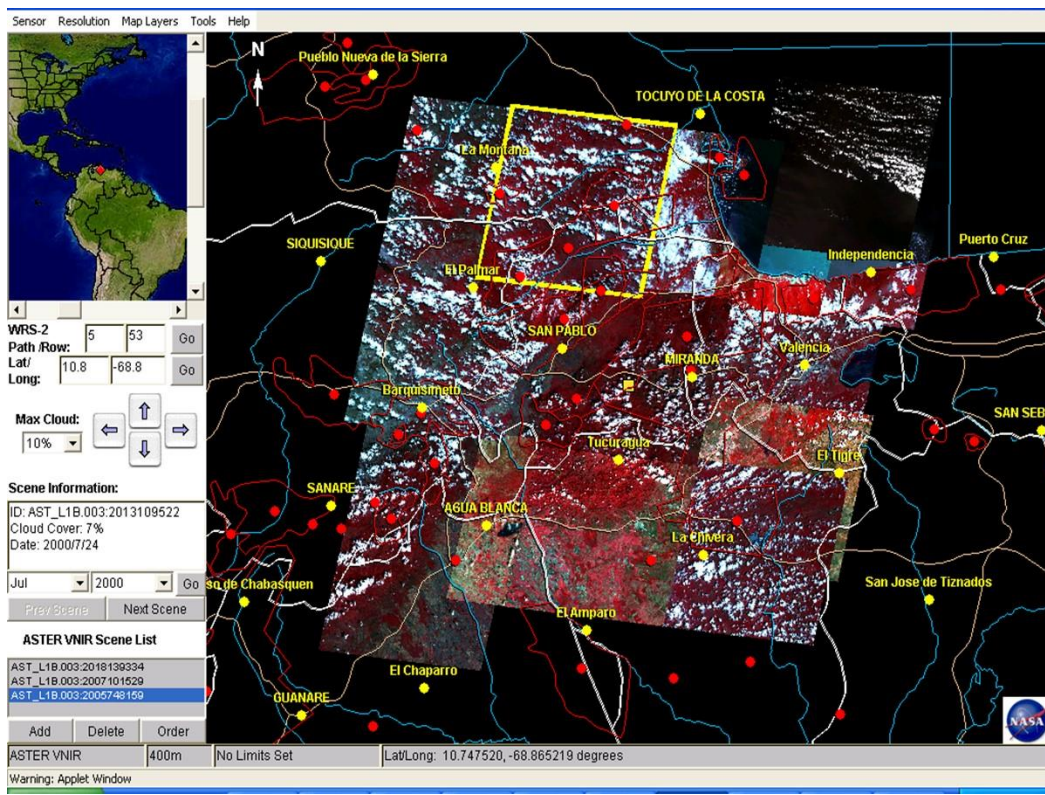


State	District	Location	Coordinates	Age	Formation	Host Rock Type	Official Map
Tachira	Uribante	Los Canos	7° 37' 15" N / 72° 07' 18" W	Jurassic		Andecite, dacite, rhyolite, sedimentary	
					Mucuchachi		5939

**YARACUY STATE**



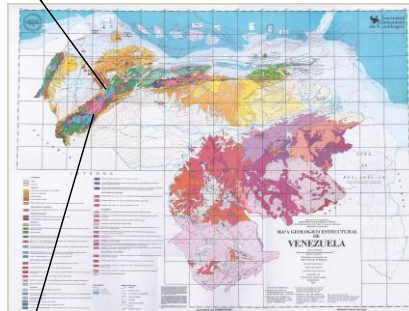
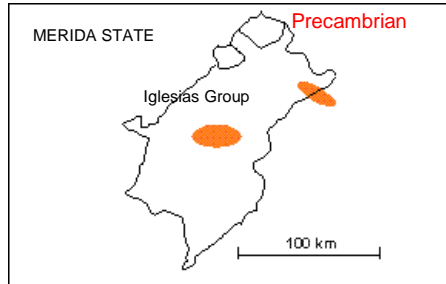
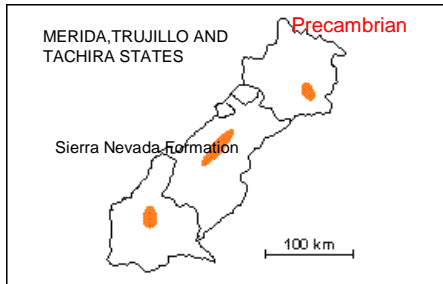
State	Community	Location	Coordinates	Age	Facies	Host Rock Type	Official Map
Yaracuy		Carmen de Cocuaima	10° 27' 42" N / 69° 54' 30" W	Mesozoic	Nirgua	Schist, marble, metaquartzites, amphibolites	6446
	Autónomo Urachiche	El Junco	10° 12' 38" N / 68° 59' 18" W	Mesozoic	Nirgua		6446



## STRATIGRAPHIC UNITS

### SIERRA NEVADA FORMATION

Precambrian

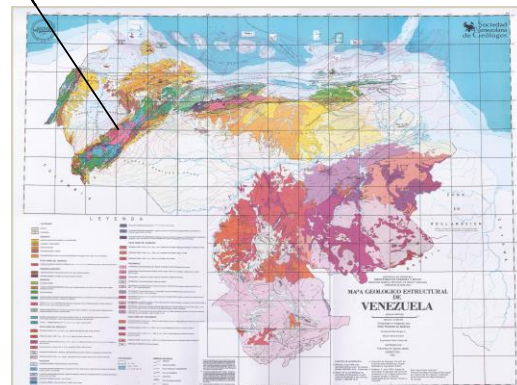
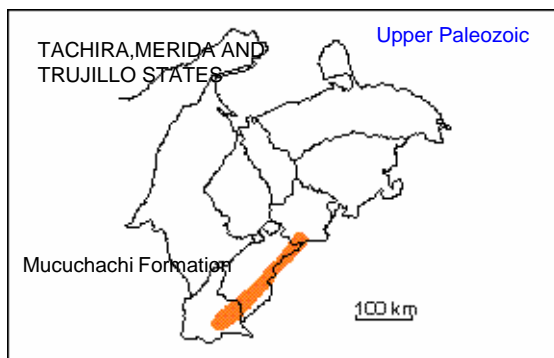


### IGLESIAS GROUP

Precambrian

### MUCUCHACHI FORMATION

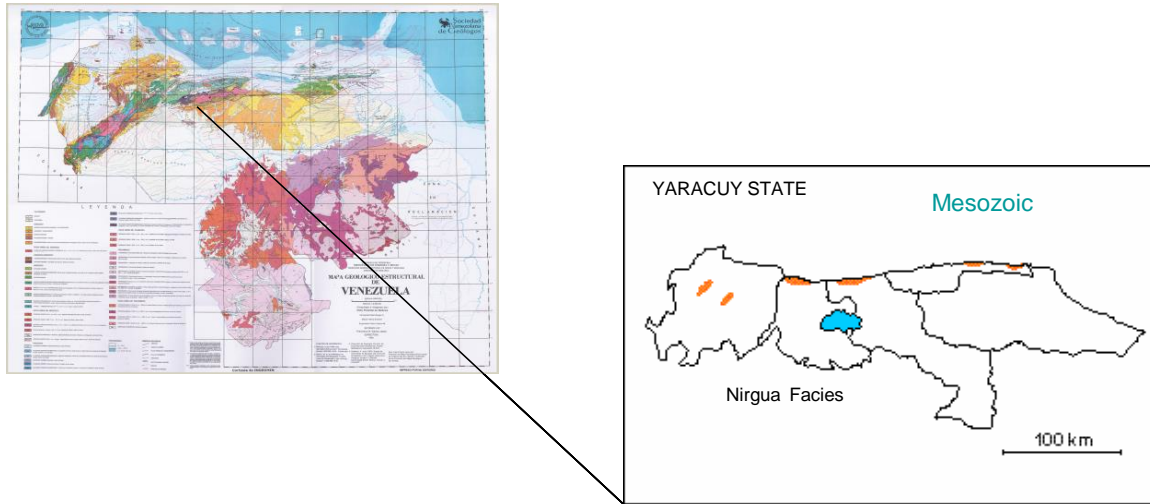
Upper Paleozoic



### NIRGUA FACIES



## Mesozoic



## REFERENCES

Cortese, E 1904 **A quicksilver deposit**. The Engineer and Mining Journal. 78:741-742

Franco, A.; García, V.; Herrero, E.; Velasco, C.; Valecillos, M.; Contreras, J. 1985 **Estudio preliminar geológico, geoquímico, geofísico de los sulfuros complejos (Pb, Sb, Zn, Cu) con oro y plata, Edo. Yaracuy = Preliminary geological, geochemical, and geophysical study of the sulfide complex (Pb, Sb, Zn, Cu) with gold and silver, Yaracuy**. VI Congreso Geológico Venezolano, 6, p. 3924-3965

Martino, Orlando 1995 **The status of mineral production in the Caribbean Basin countries**. Energy and mineral potential of the Central American-Caribbean region, Earth Science Series, vol.16, pp.31-45

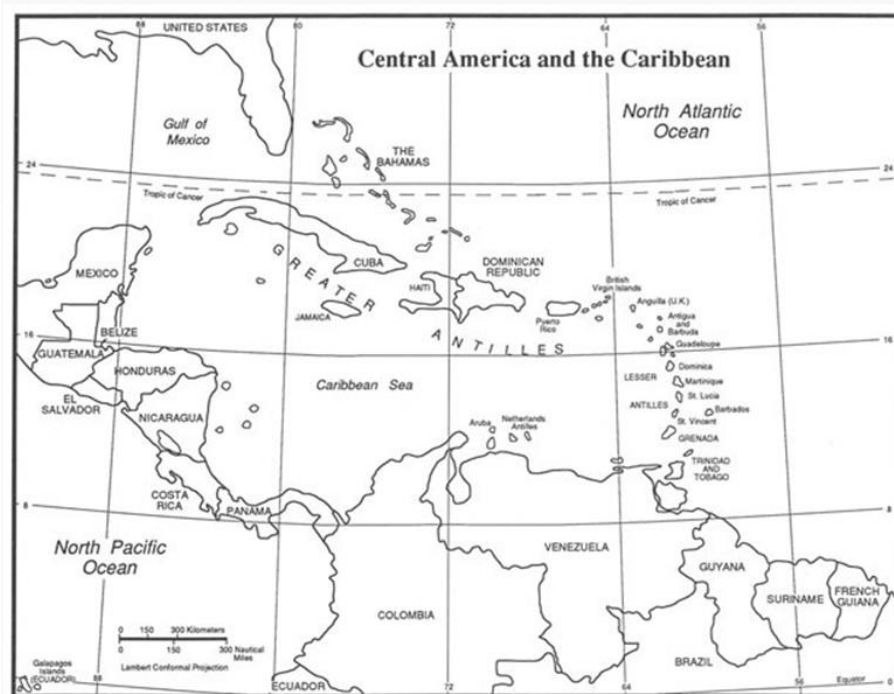


Figure 1  
Central America and the Caribbean(U.S. Department of State).

MINISTERIO DE MINAS E HIDROCARBUROS (1963). **La industria minera de Venezuela**. Caracas. 79 p.

Ramirez, Rafael A. 1995 **Estudio geológico preliminar de las mineralizaciones de sulfuros metálicos en la región de Las González-Estanquez, Estado Mérida, Venezuela**. Tesis para optar al título de Ingeniero Geólogo, Universidad de los Andes, Facultad de Ingeniería, Escuela de Ingeniería Geológica

Rodríguez, Simón E 1996 **Metallogenic zoning and deep-seated regional structures, north western Venezuela**. 30th International Geological Congress, Beijing, China, Aug. 4-14, Resumes, vol.30, Vol. 2, pp.797

Rodríguez, S. (1986). **Recursos Minerales de Venezuela**. Boletín del Ministerio de Energía y Minas, Caracas. 15(27). 215 p.

Rodríguez, Simón E 1972 **Paragénesis del yacimiento de sulfuros complejos de la región de Cocuaima, Estado Yaracuy. Paragenesis of the complex sulfides deposits of Cocuaima, Yaracuy, Venezuela**. Boletín de Geología Publicación Especial, vol.5, pp.2759-2772

Rodríguez M., S. E. 1971 **Geochemical investigations for base metals and silver in the coast geosyncline, Venezuela.** Geochemical exploration (International Geochemical Exploration Symposium, 3rd, Proc.); Special Volume - Canadian Institute of Mining and Metallurgy vol. 11 no. 11 p. 237-240

Rodríguez, M.; Boyle, R.W. 1970 **Geochemical investigations for base metals and silver in the coast geosyncline, northern Venezuela, South America.** Third International Geochemical Exploration Symposium, Canada Institute of Mining and Met. Geol. Div-Soc Econ. Geol., Toronto, Canada, p. 53

Sifontes G, Ramón S; Crespo O, Maria A 1996 **La galena argentífera de la mina La Rosa o De Lima I, Cordillera de Mérida, Estado Mérida; origen y emplazamiento. Argentiferous galena from the La Rosa or De Lima I Mine, Merida Cordillera, Merida State; origin and emplacement.** Boletín de la Sociedad Venezolana de Geólogos, vol.21, no.1, pp.22-36

Sifontes, R. S.; García D., E. 1978 **Prospección geológico-minera en la región de Bailadores-Guaraque, Estado Mérida. Geological mineral prospection in the Bailadores-Guaraque región, Mérida.** Boletín de Geología Publicación Especial, (7), Tomo V, p. 3699-3700

Silver, Douglas B 1994 **Trends in mineral exploration in Latin America.** USGS research on mineral resources, U. S. Geological Survey Circular, Report: C 1103-A, pp.95-96

Woznessensky, Boris; Carmona, Carlos L 1971 **Guía de la excursión de Bailadores, Distrito Rivas Dávila, Estado Mérida. Field trip guide for Bailadores, Rivas Davila, State of Merida.** Boletín de Geología Publicación Especial, vol.5, pp.261-268

Zanella, J.F. 1986 **Prospección geoquímica regional en sedimentos fluviales del Estado Táchira.** Tesis de grado para optar al título de Licenciado en Química. Opción Geoquímica. Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Química

### **INTERNET REFERENCES**

- Gold Reserve Mineral Resources  
<https://www.goldreserveinc.com/wp-content/uploads/2018/03/GR-NR-18-01.pdf>
- World Silver Survey 2019  
<https://www.sprott.com/media/2268/world-silver-survey-2019.pdf>