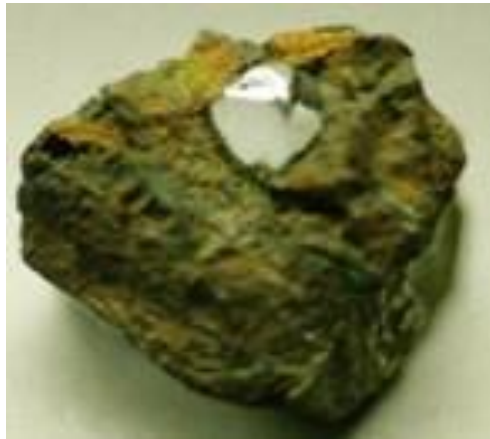


PLATINUM DEPOSITS IN VENEZUELA

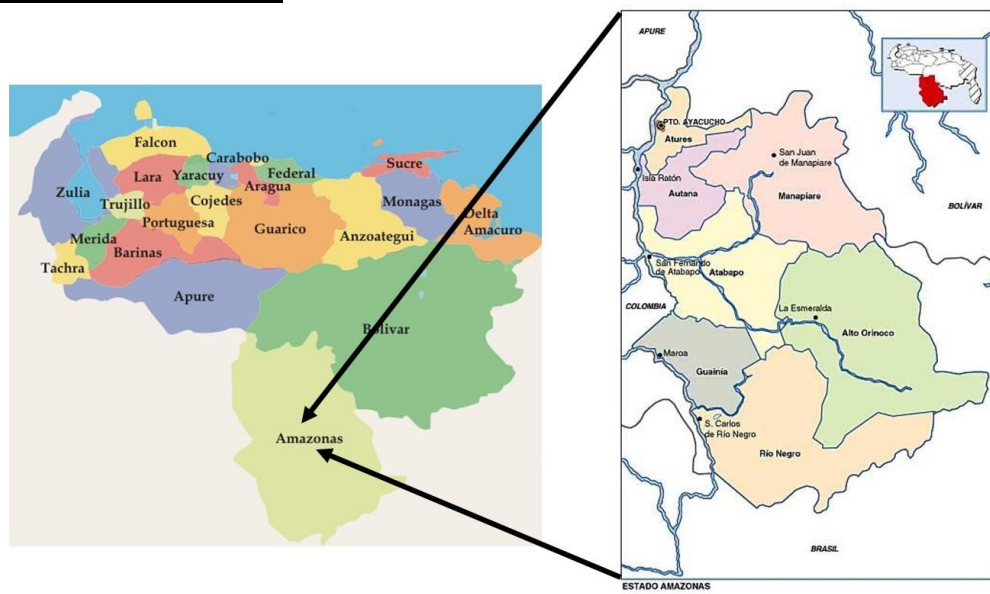
BIBIOGRAPHIC REFERENCES OF PLATINUM DEPOSITS IN VENEZUELA THROUGH THE STRATIGRAPHIC CODE OF VENEZUELA, GEOREF, ASTER VNIR IMAGES, GOOGLE EARTH AND INTERNET

Mariato Castro Mora 2022



In Venezuela, platinum ore is reported in the following locations:

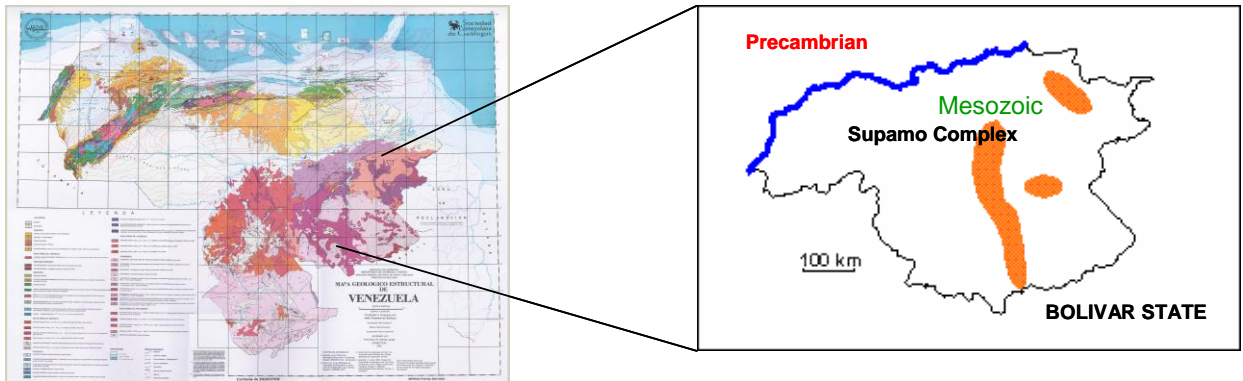
AMAZONAS STATE



State	District	Location	Location Relative	Coordinates	Age	Formation	Thickness	Values	Deposit Type	Host Rock Type
	San Jacinto	Mina San Jacinto	34 km north of Carora City		Eocene to Miocene	Matatere, Castillo	0.6 - 0.8 m	0.3 Hg / recovery of 78 to 89% Hg	Hydrothermal (Epithermal)	
	San Jacinto	San Jacinto	35 km north of Carora City	10° 30' 00" N / 69° 30' 00" W	Eocene to Miocene	Matatere, Castillo		Four metric tons of Hg (1941-1942 / 1968-1970)	Hydrothermal (Epithermal)	Sandstone and graywacke
	San Jacinto	Cerro El Cacique			Tertiary	Matatere				
	San Jacinto	Cerro El Vigía			Tertiary	Matatere				
	San Jacinto	Fila La Perezá			Tertiary	Matatere				
	San Jacinto	Quebrada Paja Amarilla			Tertiary	Matatere				
	San Jacinto	Quebrada Saladillo			Tertiary	Matatere				

STRATIGRAPHIC UNITS

SUPAMO COMPLEX Precambrian



BIBLIOGRAPHIC REFERENCES

Fermín Tovar, Natalia 1996 **Distribución de platino, paladio y caracterización del flanco noreste del estratiforme máfico-ultramáfico de Supamo**. Tesis de grado para optar al título de Licenciado en Química. Opción Geoquímica. Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Química

Gray, F.; Núñez, F. J.; Wynn, J. C.; Sidder, G. B.; Dávila, F.; Báez, A 1995 **Geology and geophysics of the Sierra Verdun-Cerro Piedra del Supamo area, Estado Bolívar, Venezuela. Geology and mineral deposits of the Venezuelan Guayana Shield**, Rep. N° B 2124 ; U.S. Geological Survey Bulletin p. F1-F20

Gray, F.; Page, N. J. 1993 **Synorogenic-synvolcanic nickel-copper deposits and related platinum deposits**. Geology and mineral resource assessment of the Venezuelan Guayana Shield ; Report N° B 2062 ; U.S. Geological Survey Bulletin p.70-72

Orris, G. J.; Gray, F.; Cox, D. P.; Page, N. J.; Brooks, W. E.; Wynn, J. C. 1973 **Permissive domains for kuroko-type massive sulfide deposits, synorogenic-synvolcanic nickel-copper deposits and related platinum deposits, carbonatite deposits, diamond-bearing kimberlite pipes, and sedimentary kaolin deposits. Geology and mineral resource assessment of the Venezuelan Guayana Shield**. Report N° B 2062 ; U. S. Geological Survey

Toro, Flor Alba 1996 **Estudio de la distribución de los elementos Al, Cu, Mn, Ni, Pd, Pt, y Ti; en el complejo estratiforme máfico-ultramáfico de la región de Supamo, Estado Bolívar, a partir de muestras de suelo desarrolladas en la zona**. Tesis de grado para optar al título de Licenciado en Química. Opción Geoquímica. Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Química

Tosiani, Tommaso 1999 Prospección geoquímica de Platino y Paladio en el Complejo Estratiforme de Supamo, Estado Bolívar. Trabajo de ascenso a profesor asociado Universidad Central de Venezuela, Facultad de Ciencias, Instituto de Ciencias de la Tierra.

Wynn, Jeffrey C.; Sidder, Gary B. 1991 **Mineral resource potential of the NB-20-4 Quadrangle, eastern Guayana Shield, Bolivar State, Venezuela** ; Rep. N° B 1960 ; Geological Survey Bulletin

INTERNET REFERENCES

- **Mines, prospects, and occurrences of the Venezuelan Guayana Shield**

[https://www.researchgate.net/publication/263350307 Mines prospects and occurrences of the Venezuelan Guayana Shield](https://www.researchgate.net/publication/263350307)

- **New data from platinum group minerals (PGM) in placer deposits from Rio Condoto (Colombia) and Rio Santiago (Ecuador)**

[https://www.researchgate.net/publication/327238662 New data from platinum group minerals PGM in placer deposits from Rio Condoto Colombia and Rio Santiago Ecuador](https://www.researchgate.net/publication/327238662)

- **Geology and Mineral Resource Assessment of the Venezuelan Guayana Shield**

<https://pubs.usgs.gov/bul/2062/report.pdf>

- **Global Mining Guide Venezuela**

<https://resourcehub.bakermckenzie.com/en/resources/global-mining-guide/latin-america/venezuela/topics/global-mining-guide>

- **Petrogenesis of the chromitite body from the Cerro Colorado ophiolite, Paraguaná Peninsula, Venezuela**

<https://www.redalyc.org/journal/943/94370787002/html/>

“Bulk-rock geochemistry of platinum group elements. The total PGE abundances in the studied chromitite body range between 60 and 109 ppb (average: 93 ppb), having the nodular chromitites samples lower values (60 ppb) than massive ones (96-109 ppb). The gold contents vary between 2 and 13 ppb. Overall, the analyzed samples have almost identical total contents of IPGE (Os+Ir+Ru=38-56 ppb; average: 39 ppb) and PPGE (Pt+Pd+Rh=65-16 ppb; average: 35). This distribution of the PGEs produces relatively flat

PGE-chondrite normalized patterns, although nodular chromitites exhibit remarkable negative anomalies in Os, Pt and Pd”

- **Venezuela: área en disputa por minerales estratégicos**

<https://elpitazo.net/opinion/venezuela-area-en-disputa-por-minerales-estrategicos/>

“The existence of a significant amount of platinum is confirmed at the mining arch of Venezuela”.

- **Market Survey. Mining Sector**

<http://www.eoicaracas.gov.in/docs/Mining%20Sector.pdf>