Earth Sciences Research Journal
UNIVERSIDAD NACIONAL DE COLOMBIA

# Supplementary Information A

**Table 1-A**. Information on the porphyry and epithermal type deposits of the Metallogenic Cauca belt and most outstanding deposits in the area outside the CMB, available in the literature.

| *Au Deposit* | *Acronym* | *Type* | *Province* | *Magma affinity* | *Ore age (Ma)* | *Au (Moz)* | *Au (t)* | *Overall duration of ore period (Ma)* | *Sr/Y average* | *N. of Sr/Y values* | *References* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **La Colosa** | Co | Au Porphyry | CAMP | High-K CA | 7,9 | 28,33 | 881,2 | 0,29 | 26,8 | 7 | (Gil-Rodríguez, 2010; Naranjo et al., 2018) |
| **Buriticá** | Bu | Au-Ag Epithermal | WAMP | High-K CA | 7,73 | 3,7 | 115,1 | 0,3 | 42,5 | 1 | (Lesage et al., 2013) |
| **Marmato** | Ma | Au-Ag Porphyry | WAMP | CA | 5,6 | 8,7 | 270,6 | 1,1 | 40 | 1 | (Tassinari et al., 2008) |
| **Quinchía** | Qu | Au- Cu Porphyry | WAMP | CA | 8,68 | 2,44 | 75,9 | 0,57 | 57 | 4 | (Bissig et al., 2017) |
| **Titiribí** | Ti | Au-Ag Epithermal | WAMP | CA | 9,1 | 4,6 | 143,1 | | | | (Bartos et al., 2017) |
| **Nuevo Chaquiro** | NC | Au-Cu Porphyry | WAMP | CA | 7,47 | 5,66 | 176,0 | 0,53 | 59,7 | 12 | (Bartos et al., 2017) |
| **La Mina** | LM | Au-Cu Porphyry | WAMP | CA | 10 | 1,62 | 50,4 | 0,9 | 59,7 | 12 | (Bartos et al., 2017) |

CAMP: Central Andean Metallogenic Province; WAMP: Western Andean Metallogenic Province

## Bibliography


Bartos, P. J., Garcia, C., & Gil, J. (2017). The nuevo chaquiro Cu-Au-(Mo) porphyry deposit, middle Cauca belt, Colombia: Geology, alteration, mineralization. *Economic Geology*, *112*(2), 275–294. https://doi.org/10.2113/econgeo.112.2.275

Bissig, T., Leal-Mejía, H., Stevens, R., & Hart, C. (2017). High Sr/Y magma petrogenesis and the link to porphyry mineralization as revealed by garnet-bearing I-type granodiorite porphyries of the middle Cauca Au-Cu belt, Colombia. *Economic Geology*, *112*(3), 551–568. https://doi.org/10.2113/econgeo.112.3.551

Gil-Rodríguez, J. (2010). *Igneous petrology of the La Colosa Gold-rich porphyry system (Tolima, Colombia)*. Thw University of Arizona.

Lesage, G., Richards, J. P., Muehlenbachs, K., & Spell, T. L. (2013). Geochronology, geochemistry, and fluid characterization of the late miocene buriticá gold deposit, antioquia department, Colombia. *Economic Geology*, *108*(5), 1067–1097. https://doi.org/10.2113/econgeo.108.5.1067

Naranjo, A., Horner, J., Jahoda, R., Diamond, L. W., Castro, A., Uribe, A., Perez, C., Paz, H., Mejia, C., & Weil, J. (2018). La Colosa Au porphyry deposit, Colombia: Mineralization styles, structural controls, and age constraints. *Economic Geology*, *113*(3), 553–578. https://doi.org/10.5382/econgeo.2018.4562

Tassinari, C. C. G., Pinzon, F. D., & Buena Ventura, J. (2008). Age and sources of gold mineralization in the Marmato mining district, NW Colombia: A Miocene-Pliocene epizonal gold deposit. *Ore Geology Reviews*, *33*(3–4), 505–518. https://doi.org/10.1016/j.oregeorev.2007.03.002