

## **Potentiality for Precious Metals (AU - AG) in the Bahia Honda Region.**

<sup>1</sup>MARTÍN LAGO R.,<sup>1</sup>BARBÓN MINES R., Empresa Geominera de Pinar del Río, Cuba.

This reconnaissance work aimed at evaluating the potentiality for precious metals (Au and Ag) in the Bahia Honda Region, located in the westernmost province of Cuba. The area has a total extension of 370 km<sup>2</sup>. The Bahia Honda Region is considered as a sub-area of the Structure-facial Zone Zaza and it is characterized by the presence of the ophiolitic complex. The study area is within Bahia Honda metallogenic zone, which is in endowed with different mineral resources (e.g. Cu, Zn, Fe, Mn ). The most important known deposits of the area (Jucaro, Yagruma, Buena Vista, Cacarajicara) are the Cu VMS (Cyprus type) other deposits (BIF and Kuroko type) have also been described.

In order to attain this goal all the oxidation zones of the known mineral deposits and mineral occurrences were sampled. 15 DDH were bored and the core analyzed for Au, Ag, As, Bi, Ga, Ni, Co, Sr, Hg etc. A total of 314 rock samples and 275 drill-hole samples were taken and assayed. As the result of this study very high grade were found (some samples reached grades of up to 2.24 g/t) and areas of great prospectivity for the localization of precious minerals and other elements like the platinum group elements (Pt, Pd), were selected.

Finally the Hypothetical Resources for Au were estimated:

Tonnage: 49431200 T

Average grade: 0.8 - 1g/t

Contained Metal 7884.78 Kg

This would give a total of 253 285.60 onz that multiplying it to a conservative price of 250 \$USD would give 63 321 400 USD.