

# SEG 2022 Conference: Minerals For Our Future

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## Structural Control for the Hosting of Gladys Belt in the Huachocolpa Mining District

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The Gladys project is located 6 km to the SW of the Huachocolpa district, Huancavelica, Peru. It is a system of veins to the East of Veta Bienaventurada in current operation by Compañía Minera Kolpa.

Bienaventurada vein is the master vein with strike N60°E and Dip to the SE has a longitudinal extension of 4 km and its tensionals (E-W) outcrop at surface.

The Bienaventurada vein performs dextral movement with normal dip and tensional forms to the West, the Tatiana (E-W), Mariteresa and Marisabel veins have been identified, towards the East side only the Elizabeth and Jessica veins were identified, which are parallel to Bienaventurada. However, a vein with strike E-W on the east side of Bienaventurada was not recognized. This target was called Gladys belt.

The objective of the 2021 drilling program was to find more tensional veins to the east of Veta Bienaventurada, these 3 structures (Sofia, Techita and Stephanie) being called the Gladys belt. Sofia parallel to Bienaventurada vein, Techita parallel and antithetical to Bienaventurada vein. Stephanie with strike E-W and antithetical to Bienaventurada vein.

7 holes were drilled, totaling 5,260 meters of drilling, only 3 holes intercept the Stephanie vein. Significant Ag results were obtained in drillhole DDH-16-21 corresponding to the Stephanie vein @2.15 m. 19.27 Ag Oz/MT, 0.72% Cu, 13.4% Pb and 5% Zn.

Currently Sofia, Techita and Stephanie veins have entered into production and a drilling program is development to find the ore shoots of Gladys belt.

Understanding the tectonic concept of the Bienaventurada vein was decisive for the discovery of the Gladys belt.