



[\(Ver Resumen en Español\)](#)

Chris Lloyd

Consulting Geologist

Chris Lloyd is a Canadian exploration geologist with more than 30 years' experience working throughout the Americas. After finishing the Queens University MINEX program in 1994, he moved to Mexico to work with Cominco Ltd until 2001. After consulting for several years, he co-founded Soltoro Ltd. and went on to find the El Rayo Silver deposit in Jalisco, which was recently sold to Agnico Eagle. Chris continues to work as a consulting geologist based out of Guadalajara, Jalisco.



" What Works and What Doesn't: Exploration Criteria for the Large Gold Deposits of Mexico "

Mexico has 61 deposits with more than 1 M oz. of gold, of which 21 can be considered historic discoveries having been found well before the recent change in the mining act in 1992. While most of the historic deposits are epithermal veins hosting a total of 68.2 M oz. of gold (or 2114 tonnes Au), the 41 new deposits span a wide range of deposit types including: 5 high sulphidation systems, 3 porphyries, 1 VMS, 6 orogenic, 1 skarn, 11 stockwork hosted systems, 8 epithermal veins and 1 diatreme breccia (hosting a total of 182.8 M oz. Au or 5654.4 tonnes Au). This group of deposits provides a good data set for determining which exploration methods work to find large gold deposits in Mexico. Aside from the obvious method of evaluating known old mines for un-recognized potential, there are a number of commonly used criteria that geologists use, such as; proximity to intrusions, proximity to magnetic highs (or lows), proximity to structures, relationship to known alteration zones and proximity to known mineralization. This presentation will evaluate which of these criteria work and which don't.