

MAJOR TYPES OF PRIMARY GOLD DEPOSITS IN MALAYSIA

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An attempt is made to classify and to characterise some major primary gold deposits in Malaysia. Such an effort is justifiable in providing exploration geologists with basic models which can be used to recognise diagnostic features of various types of gold deposits in the field and hence, their possible size, grade and ore-bearing structures or stratigraphic horizons.

In Malaysia, the major primary gold occurrences include those associated with:

- a) Gold-Copper Porphyry systems
- b) Stratabound Volcanogenic Massive Sulphides (Kuroko Type) with Zn–Cu–Pb–Au–Ag mineralization
- c) Gold-bearing Fault-related Epithermal Quartz Veins transecting Metasediments or Granites.
- d) Modifications or Combinations of the Above

Definitive exploration characteristics of the different types of gold deposits are discussed with comments on their amenability to separation and extraction.