

DEPOSIT SUMMARY

Batu Hijau Porphyry Copper Deposit – Indonesia
Mike Porter, May 1997

**DATA
METALLOGENICA**

Batu Hijau is a recently discovered porphyry copper-gold orebody on the island of Sumbawa. Quoted reserves in 1995 were 930 mt @ 0.54% Cu, 0.39 g/t Au. It is the first major porphyry Cu-Au deposit discovered in the Sunda-Banda Arc, on the southern margin of the Sundaland cratonic plate. Mineralisation is hosted by the central stock of a tonalite intrusive complex, and by diorite and volcanic wallrocks. The central stock has associated intense pervasive potassic alteration that hosts most of the higher grade mineralisation. This merges outwards into an extensive propylitic zone. Both of these zones are over-printed by widespread intermediate-argillic and minor phyllic and albite alteration. Argillic and advanced-argillic assemblages occur near surface. Cu and Au are largely hosted by quartz stockworks, but also as disseminations. Chalcopyrite and bornite are the main ore minerals. The property is owned by Newmont Indonesia.