



## MASE PROJECT (Cu-Au) - OVERVIEW

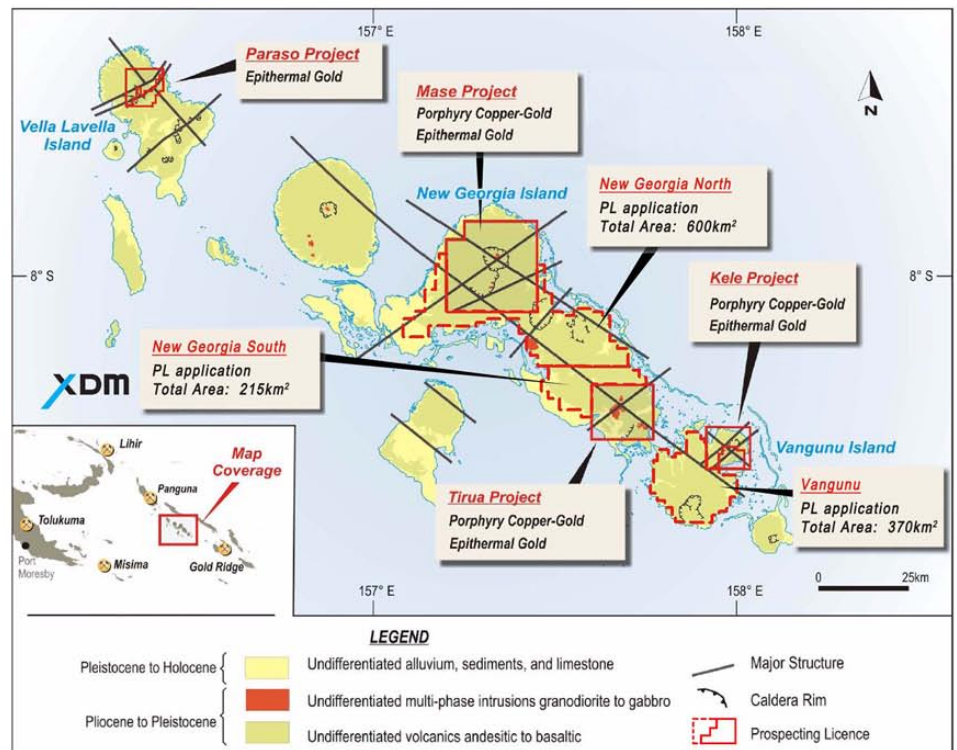
The XDM Resources Group has four advanced exploration projects in the Solomon Islands located on the Rim of Fire, which is renowned for Super-Giant porphyry (Cu-Au) and epithermal (Au) deposits.

The Mase Project is an under-explored (virtually untested) porphyry copper-gold system with overprinting epithermal-style high-grade gold mineralisation within the Mase Caldera (diameter 6.5km). New airborne magnetic data and induced polarisation (IP) geophysical data commissioned by XDM in 2008 highlights that the hydrothermal system extends over an area of >5km<sup>2</sup> with excellent resource potential.

XDM holds a substantial land position in the Solomon Islands, totalling 1084km<sup>2</sup>, in a region that has been widely considered over-looked and under-explored for mineral exploration and discovery. World class gold and copper deposits surround XDM's tenements, including Lihir (48.5Moz Au), Porgera (22Moz Au), Ok Tedi (10Moz Au, 3Mt Cu), and the massive Panguna deposit (25Moz Au, 6Mt Cu).

### Recent Highlights:

- ✓ Trench results of 57.0m at 0.51g/t Au
- ✓ Trench results of 8.0m at 13.1g/t Au, including 3.0m at 74.2g/t Au
- ✓ Assays to date return intersections of up to 0.5m at 4.02g/t Au and 0.42% Cu
- ✓ Float results of up to 54.8g/t Au
- ✓ Epithermal alteration/mineralisation locally forms a structurally controlled overprint to porphyry copper-gold mineralisation, and good potential for high-grade epithermal-style Au
- ✓ First-pass diamond drilling is confirming the geological model, with initial assays showing broad intersections of anomalous Au and Cu, associated with reactivated intrusion margin structures/tectonic breccias





### Geology and Mineralisation:

The Mase hydrothermal system represents a Cu-Au mineralised porphyry system with a variably-developed, late stage, epithermal-style overprint. Field work to date conducted by XDM highlights that the mineralised hydrothermal system extends over an area of >5km<sup>2</sup> within the base of the large Mase Caldera. Potential for a similar system exists in the adjoining, almost unexplored, Pundakona Caldera, where XDM recently commissioned airborne magnetics, which identified significant untested targets. Additional untested EM/geochemical targets have also been identified regionally to the SW and SE of Pundakona.

### Favourable Conditions for Mineralisation:

Both the Mase and the adjoining Pundakona Caldera are located on the intersection of major arc normal and arc parallel crustal structures, providing an excellent structural setting to facilitate the emplacement of intrusions and to channel mineralised magmatic fluids to form a major deposit.

### Priority Targets:

#### Mase Caldera

- ✓ Potential for porphyry-style Cu-Au mineralisation
- ✓ High-grade gold resource potential associated with overprinting epithermal-style mineralisation

#### Pundakona Caldera

- ✓ Untested hydrothermal alteration and porphyry-epithermal targets recognised from airborne geophysical survey. A virtually unexplored volcanic Caldera in a world class Cu-Au province

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