

# **Final Report Mineral Claim S38 – Little Gecko**

## **1. SUMMARY**

Since purchasing MCS38 from Queensland Energy Resources Limited (QER) on 11 December 2007, Maximus Resources Ltd (MXR) has undertaken no exploration.

MXR is unaware of any significant previous exploration by QER during the tenure of MCS38.

## **2. LOCATION AND ACCESS**

Mineral Claim S38 is located about 55 km north-northeast of Alice Springs on the LAUGHLEN (5751) 1:100 000 map sheet. Access is via the Stuart Highway north of Alice Springs for 45 km, then east along the Arltunga Tourist Road. Then to the south via various station tracks (Figure 1).

The mineral claim lies within The Garden pastoral lease. The Alice Springs to Darwin railway passes about 40 km west of the project area.

## **3. TENURE**

MCS38, Little Gecko, was granted on 23 March 1984 and expired on 31 December 2009 and covers an area of about 0.3 sq km

On 11 December 2007 MXR purchased MCS38 from QER.

## **4. GEOLOGY AND PROSPECTIVITY**

MCS38 lies in an area underlain by high grade metamorphic rocks of the Central Province of the Arunta Block.

The regional geology of the area is dominated by Palaeozoic thrusts of Neoproterozoic Amadeus Basin sediments over older Arunta metasediments and intrusive units. The Arunta basement has a protracted and complicated history with numerous deformation, metamorphic and intrusive events. Much of the area is dominated by metasedimentary, felsic and mafic gneiss and has been interpreted to represent an original volcano-sedimentary succession.

The area is well known for numerous mineralising systems; the Arltunga – Winnecke goldfields, Cu-Pb-Zn deposits at Gecko, Rankins, Gumtree and Glancroil and Cu-Au deposits at Johnnies Reward, Pinnacles and Turners. The Cu-Pb-Zn deposits at Gecko and Rankins occur as massive sulphide stratabound deposits within the Arunta basement succession and are interpreted to be Broken Hill-type deposits (metamorphosed syngenetic mineralisation). Cu-Au mineralisation at Turners is a fault-related feature.

There is some known Cu-Pb-Zn mineralisation within MCS38.

## **5. CONCLUSION**

After a review of data MXR had no further interest in the area and allowed MCS38 to expire on 31 December 2009.