

6. CURRENT EXPLORATION

Current exploration of E.L. 15/76 is conducted by four companies in three separate areas. The southwestern 58 km² (west of the Murchison Highway) is explored by Amoco for Mississippi-type lead/zinc deposits in the Gordon Limestone. The northeastern 13.85 km² (Montezuma area) is explored by E.Z. (active partner of the E.Z./Getty partnership) for tin and sulphides; the remainder of the Licence (the central northwest to southeast strip) is explored by CSR Limited for Renison type replacement tin, volcanogenic massive sulphides and/or volcanogenic gold.

6.1 Amoco Joint Venture Area

As Amoco's main interest is Mississippi-type lead/zinc deposits most of their exploration has been confined to the Gordon Limestone horizon. All limestone outcrops are being covered by one of eight grids (Black Jacks, Mariposa, Bannockburn, Leatherwood, King Billy, Laurel, Amber Creek and Professor Range). The grid lines will be at 200 m spacings (50 m infills on Black Jacks and 100 m on Mariposa) with sample points at 25 m intervals (Figure 4).

Mapping of the Mariposa and Black Jacks grids has commenced. Many of the old workings have been located. Geochemical sampling using bombardier mounted power augers has been completed in the Mariposa, Black Jacks and Bannockburn grids) except for areas too steep for the bombardiers. These areas will be sampled using hand augers or hand held power augers. Samples obtained have been analysed for Cu, Pb, Zn, Ag and Sn. Rock chip samples collected during the mapping were analysed for these elements plus W, As, Sb, Ba, Au, Ni, Co, Bi, Mo, V, Cd and Mn.

Geochemical analyses from the Mariposa prospect show two parallel anomalous zones; a 950 m x 75 m zone of up to 1.75% Pb, 0.97% Zn and 85 g/t Ag adjacent to the