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SUMMARY

This report covers the geological and rock geochemical assessment of the SE section of EL 49/82 in vicinity of Gog Range. Exploration was orientated to base and precious metals in Cambrian volcanics and clastics.

The Cambrian is exposed in a broad E-W trending anticlinal window in basal Ordovician Roland Conglomerate and Moina Sandstone. Cambrian lithologies can be broadly subdivided into

- . rhyolitic - gabbroic/intrusive - extrusive volcanic complex which may be associated with the Beulah granites.
- . coarse grained epiclastics derived from the above volcanics.
- . siltstones, tuffaceous greywackes, interpreted to overly the epiclastics.
- . rhyolitic - Precambrian derived volcanoclastics.

Previously the area was part of Asarco's EL 7/73, which was covered by Cu-Pb-Zn stream geochemistry, the main anomalous zone is located 2 km west of EL 49/82. Earlier prospecting located the Beulah Barite mine 2 km north, and Star of the West Gold mine 7 km north west of the work area; no evidence of prospecting activity has been located within this section of the licence.

Current exploration has located three main features:

- a) Anomalous Zn associated with fine-medium grained volcanoclastics in the east, sphalerite occurring as scattered blebs < 2 mm. This area has been gridded and covered by soil geochemistry by Amax.