

The Round Mountain ore deposits are the only similar style of mineralization in the area. One main mineralized zone and three much smaller zones were mined for the production of 4,700 tons Pb, 31.5 kg Au and 10,810 kg Ag. A total tonnage of approximately 58,000 tons of material was mined. This is a very small target (10 m x 40 m x 40 m) and would not be of economic interest.

An intensive stream geochemical survey would be necessary in the area of Moina Sandstone around the Devonian/Round Mountain area to locate further targets but this is not justified by the size of the known deposits.

9.0 BLACK BLUFF/SMITHS PLAINS AREA

9.1 GENERAL

An area of approximately 50 sq km of Cambrian volcanics was investigated by Comalco for volcanogenic copper-lead-zinc ore bodies. Regional geological mapping, regional stream sediment and rock chip surveys and regional geophysical (I.P., magnetics) and geochemical profile lines were carried out initially. This led to the choice of three areas to be more closely investigated by gridding. (Refer to plan TAS/78/154).

On the Mt. Jacob grid, soil geochemistry, rock chip sampling, ground magnetics, I.P., Pulse E.M. (trial only), two diamond drill holes, and bore hole I.P. surveys were carried out. Galena and sphalerite mineralization was intersected in one hole.

The Lower Winterbrook Grid had soil geochemical surveys Ao horizon and an I.P. survey carried out on it. Shale horizons with sphalerite, pyrite and galena are reported from the grid area.

The Upper Winterbrook has been soil sampled (Ao horizon).

The work to date has shown the presence of minor sulphide mineralization associated with volcanism. (G. Weste, Sept. 1978).