

Mapping

Culture mapping has been completed on the Mariposa prospect and has commenced on the Black Jacks. Numerous workings are present at the Mariposa although a number of these have been obliterated by thick talus and scree slips occurring on the steep slopes.

Geochemistry

The bombardier mounted Jackro auger rig was used to penetrate thick gravel deposits blanketing much of the prospective horizon, and to negotiate steep country containing thick talus and scree deposits. Areas too steep for bombardier work, as at Mariposa, were handauger sampled. A total of 472 top of bedrock samples were taken on two prospects, 333 at Mariposa and 139 samples at Black Jacks with holes being drilled at 25 meter intervals along grid lines at depths varying from one to seven meters.

Samples were dried, crushed and pulverised before being split and despatched to Comlabs Pty Ltd in Adelaide where they were analyzed for copper, lead, zinc, silver and tin. Check assays on every twentieth sample were carried out by Amdel in Adelaide. Analysis for basemetals was by AAS after hydrochloric acid digestion and tin by XRF. Road side samples are prepared in the same manner as soils.

Sampling on both grids is incomplete. Results obtained to date on the Mariposa prospect show two parallel anomalous zones of approximately 600 to 800 meters by 75 to 100 meters wide. The eastern response of dimensions 800 by 75 meters ranges up to 1.75% lead, 0.97% zinc and 85 gm/t silver. The western anomaly of dimensions 600 by 100 meters, coincident with the Mariposa line of lode, has values ranging up to 4.8% lead, 3.2% zinc and 48 g/t silver.

Thick talus deposits and accompanying steep slope mask portions of the Mariposa line of lode precluding bombardier sampling and effective hand auger sampling. This will create an erroneous