Two additional anomalies of dimensions 300 by 50, and 300 by 100 meters having values ranging up to 1.85% lead and 1.1% zinc occur 500 meters to the north of the above anomaly.

Rockchip Geochemistry

Five composite rockchip samples taken from the Black Jacks prospect comprised predominantly pisolitic ironstone (Table 2). Assay results were low with maximum basemetal values of 640 ppm zinc, 60 ppm lead, 16 ppm copper and <1 ppm silver.

Geophysics

A gravity survey was conducted on the Mariposa prospect using a La Cost Lomberg gravity meter. Readings were taken at 50 meter intervals along grid lines, however the very steep sections were left unsurveyed. The meter became defective during the program and was replaced by a Sodin after conducting a comparison survey along a grid line (Appendix 3).

The detailed gravity survey was implemented on the basis that anomalies observed both at the Oceana and Mariposa mines were coincident with drilled mineralization. However, the Mariposa prospect was resurveyed as the 1950 BMR Survey (Figure 3) was considered to be too rough and limited in areal extent to use as as a guide for diamond drilling.

A 1.5 milligal gravity response of dimensions 700 by 250 meters was delineated (Appendix 4) coincident with the Gordon Limestone horizon. Superimposed on the western flank of this response is a 1.0 milligal gravity high, approximately 300 by 100 meters, lying coincident with the Mariposa line of workings. Bedrock geochemistry results along this zone assay up to 4.8% lead, 3.2% zinc and 48g/t silver. Detailed modelling will be necessary, to define a source.

Geoex was contracted to fly an airborne magnetometer survey over