SECTION I: SURVEY RESULTS

CONDUCTORS IN THE SURVEY AREA

The survey covered a single grid with 822 km of flying, the results of which are shown on three separate map sheets. Table I-1 summarizes the EM responses on the three sheets with respect to conductance grade and interpretation.

Numerous cultural sources, such as powerlines, metal fences and buildings, occur within the survey area. They have influenced the resistivity and electomagnetic anomaly patterns. The most apparent example of this is evident on both maps along a power line crossing sheets 2 and 3 from the town of Rosebery in a southeast direction past Lake Julia. These cultural sources, however, can be readily identified due to their characteristic EM signatures, as well as from the flight path film.

The geologic environment in the survey area is realitvely resistive with typical values in excess of 2,000 ohm-m. Lower values were recorded mainly along the east survey boundary and in the northwest and southwest parts of the area. These conductive features reflect bedrock conductors as well as near-surface conductive material (e.g., conductive overburden).