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REF. No	10,824/84			

GEOPEKO

A DIVISION OF PEKO-WALLSEND OPERATIONS LIMITED

RELINQUISHMENT REPORT ON EL 10/83

ROBBINS ISLAND

TASMANIA

**OPEN FILE**

J. Pemberton  
October, 1984.

**MICROFILMED**

AMG REFERENCE POINTS ADDED

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1. INTRODUCTION AND HISTORY

Robbins Island was pegged following interesting results to the south in the Montagu areas (see reports by Pemberton, 1983 and 1984). EL 10/83 is 100 sq km in area and accessible from the south during low tide by four wheel drive vehicles (see Fig. 1).

The owners of Robbins Island objected to the EL on the grounds that the original VDL Charter gave them the mineral rights. Legal opinion however pointed out that their rights extended only to building materials. The objection was withdrawn.

Geopeko contracted Austirex International Ltd to fly an airborne survey of some 790 line kilometres over the island. This work was completed and with the interpretation reported on by Sumpton, 1984, is the full amount contributed by Geopeko in the time they held this EL.

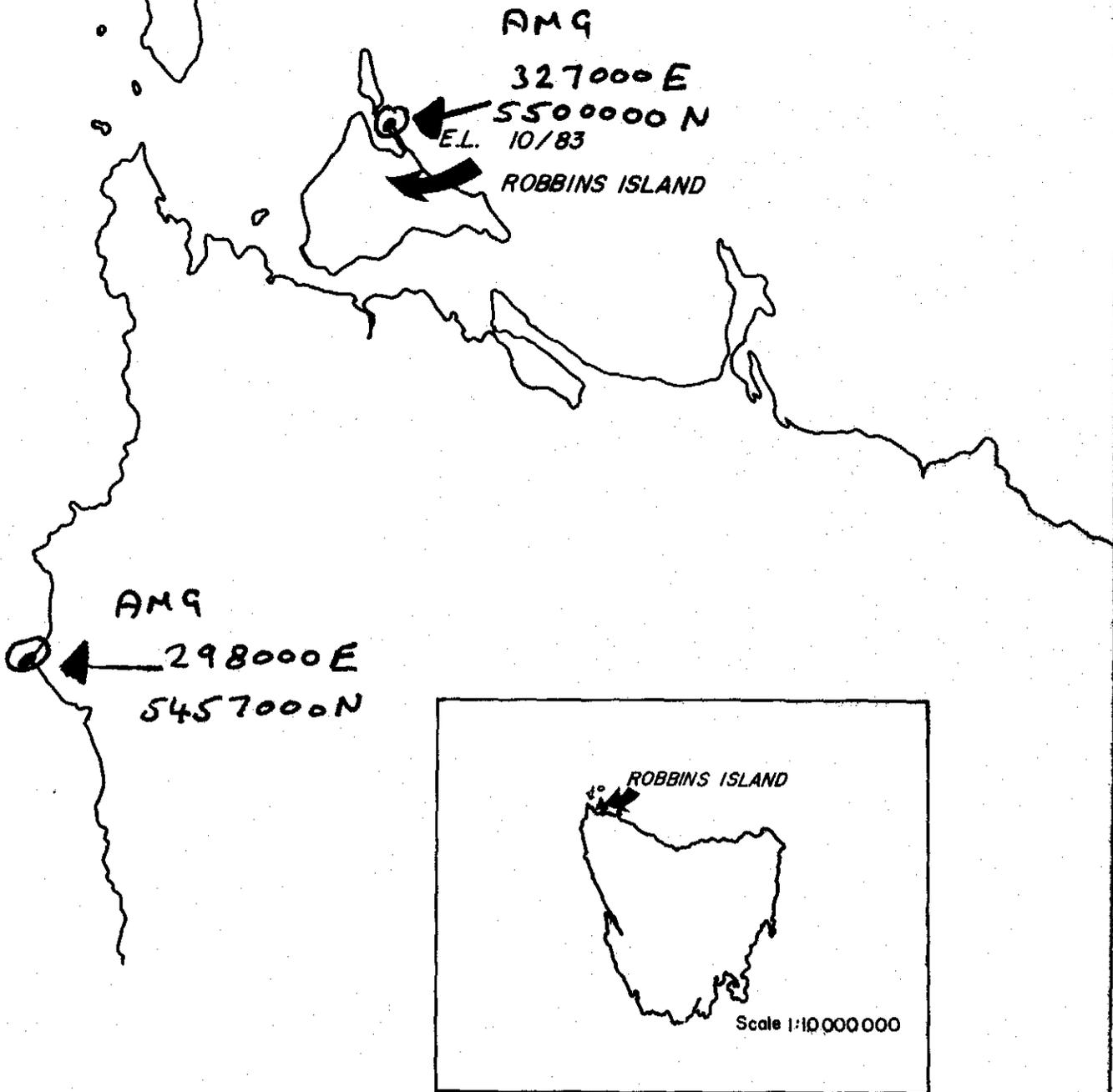


FIGURE 1.

SCALE 1:500000

AMG REFERENCE POINTS ADDED

LOCALITY PLAN SHOWING  
EL 10/83 ROBBINS ISLAND

2. WORK DONE AND RESULTS

The airborne data was gathered by a Nomad with a proton procession magnetometer (Geometrics 4813). The island is flat with few landmarks therefore a range-range radar navigation was used.

Results from this survey are presented by Sumpton, 1984. The results indicated the continuation of the Cambrian basic volcanic sequences from the south towards Three Hummock Island. No discrete anomalies were revealed adjacent to the volcanics. The eastern end of the island has a complex magnetic character with the area being covered by sand. Interpretation suggests that the source is Tertiary basalt with complications from magnetite in the younger sands.

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3. CONCLUSIONS

The closing of the Devonport base of Geopeko resulted in no ground investigation on Robbins Island. Further work would have concentrated on geological mapping and sampling of the horizons adjacent to the Cambrian Basalts.

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4. REFERENCES

1. Pemberton, J., 1983, Annual Report on EL 7/83 and 8/83  
Report to Mines Department
2. Pemberton, J., 1984, Annual Report on EL 7/83 and 8/83  
Report to Mines Department
3. Sumpton, J.D.H., 1984, Progress Report on Robbins Island,  
Report to Mines Department