

SUMMARY

Western Geophysical conducted a marine seismic and magnetometer survey over three areas in the eastern Bass Strait during December 1968 and March 1969. The marine magnetic data were compiled and interpreted by GAI-GMX.

The marine magnetometer data were obtained primarily for comparison with the airborne magnetic survey of 1967 by Aero Service Corporation and interpretation by GAPL. The purpose was to evaluate the reliability of the marine magnetometer as an exploration tool.

The two observed magnetic fields were found to agree very well in overall shape except in areas of marginal marine data. A comparison of magnetic basement configurations was seriously hampered by the overall poor quality of the marine data.