

Great Australian Bight Project

Ceduna Sub-Basin



Aeromagnetic Data and Interpretation Package

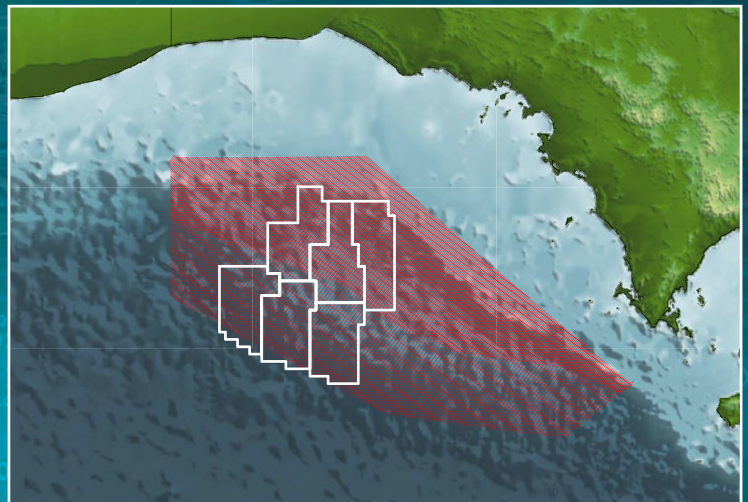
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Airborne magnetic surveying has been used extensively in oil exploration as it is an effective regional mapping tool for covering remote and frontier areas. Aeromagnetic surveys can also be used for the detection and detailed mapping of faults and fracture systems throughout the sedimentary section, in addition to the traditional application of defining basement structure and lithology.

The 63,600 line kilometers of aeromagnetic data in the Ceduna Sub-Basin is being acquired on a 2 km x 8 km grid in the areas where the water depth is less than 1,000 meters and on a 4 km x 16 km grid where the water depth exceeds 1,000 meters.

The data is being collected using real-time corrected GPS navigation and is being sampled at 10 Hz, which equates to approximately 7 meters per sample. The survey is being flown at a height of 175 meters above sea level.



The newly acquired aeromagnetic data will be interpreted in conjunction with existing marine and satellite gravity data providing an enhanced evaluation strategy.



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