AEROMAGNETIC MAP OF THE OCEANSIDE
1:100,000-SCALE QUADRANGLE, CALIFORNIA

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INTRODUCTION

The aeromagnetic map of the Oceanside 1:100,000-scale Quadrangle, California, was compiled by the U.S. Geological Survey to provide a detailed representation of the magnetic field variations across the region. The map is based on magnetic survey data collected over the study area. It is intended to serve as a tool for geologic and geophysical studies, particularly in the exploration for mineral resources and groundwater investigations.

Geological Interpretations

The magnetic data has been interpreted to identify regions of magnetic anomalies that may correspond to specific geological features such as faults, intrusions, and sedimentary layers. The map shows a variety of patterns and trends that can be useful in understanding the subsurface geology.

Methods

The magnetic survey was conducted using a helicopter-borne magnetometer. The data was then processed using specialized software to create the digital model from which the contour maps were generated. The contour lines represent magnetic fields of varying intensities, with darker lines indicating stronger magnetic fields.

Acknowledgments

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References

[List of references relevant to the magnetic survey and data processing would be included here, if available.]