

428001

REPORT ON EXAMINATION
OF STRAHAN AREA
Magnetic Anomaly 2N/6

GEOPHYSICS

58-210

REPORT ON EXAMINATION OF
STRAHAN AREA
MAGNETIC ANOMALY.

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Rep on Strahan Area
Magnetic Anomaly 2N/6

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To: Mr. G.P. Hudspeth

9th April,

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Report on Examination of Strahan AreaMagnetic Anomaly 2N/6

Dates of Examination: 26th February-1st March, 21st-24th March, 1958.

Party Leader: P. Rodda.

Personnel Employed: G. Seymour

Man Days in Field: 16

Location of Camp: In P.W.D. hut $3\frac{1}{2}$ miles from Strahan on Queenstown road.

Means of Transport and Supply: By land rover and Utility from Queenstown.

General Topography of the Area

The centre of the anomaly is located about $\frac{3}{4}$ mile inland from Ocean Beach, about two miles north of the road from Strahan. The country is low-lying with NW-SE ridges rising up to 1-200 feet above sea-level. Between the ridges the ground is often swampy. From the contours obtained by airborne survey, the anomaly has a NW-SE strike, but from readings taken on the ground, the peak appears to strike east and west. It is centred over Recent sand-dunes which have been subsequently covered by vegetation. A new generation of dunes has arisen and is moving inland from the beach, in one place the sand reaching more than a mile from the beach proper.

Geophysical Investigation and Findings

Four traverse lines were run - A, B and C on bearing 210° , and D on 280° . Line D started on Line A (at A1400' = D -2000') and cut lines

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B and C. Line A was 6000 feet long, the 3000 feet to the southwest being run to obtain some idea of the fall of the magnetometer readings away from the anomaly. Stations were 100 feet apart along each line. Pegs were left at A2900', B 00' and C 1000' (i.e. D 900').

Readings obtained were low and the highest readings were not very much greater than the background in comparison to other anomalies. The peak of the anomaly (readings higher than 130) is small in area - only about 700' x 500'.

Conclusions

The anomaly may be due to a small deposit of beach sands containing magnetite. However, taking into account the small area and low readings obtained, this anomaly does not warrant further investigation.

Peter Rodola.

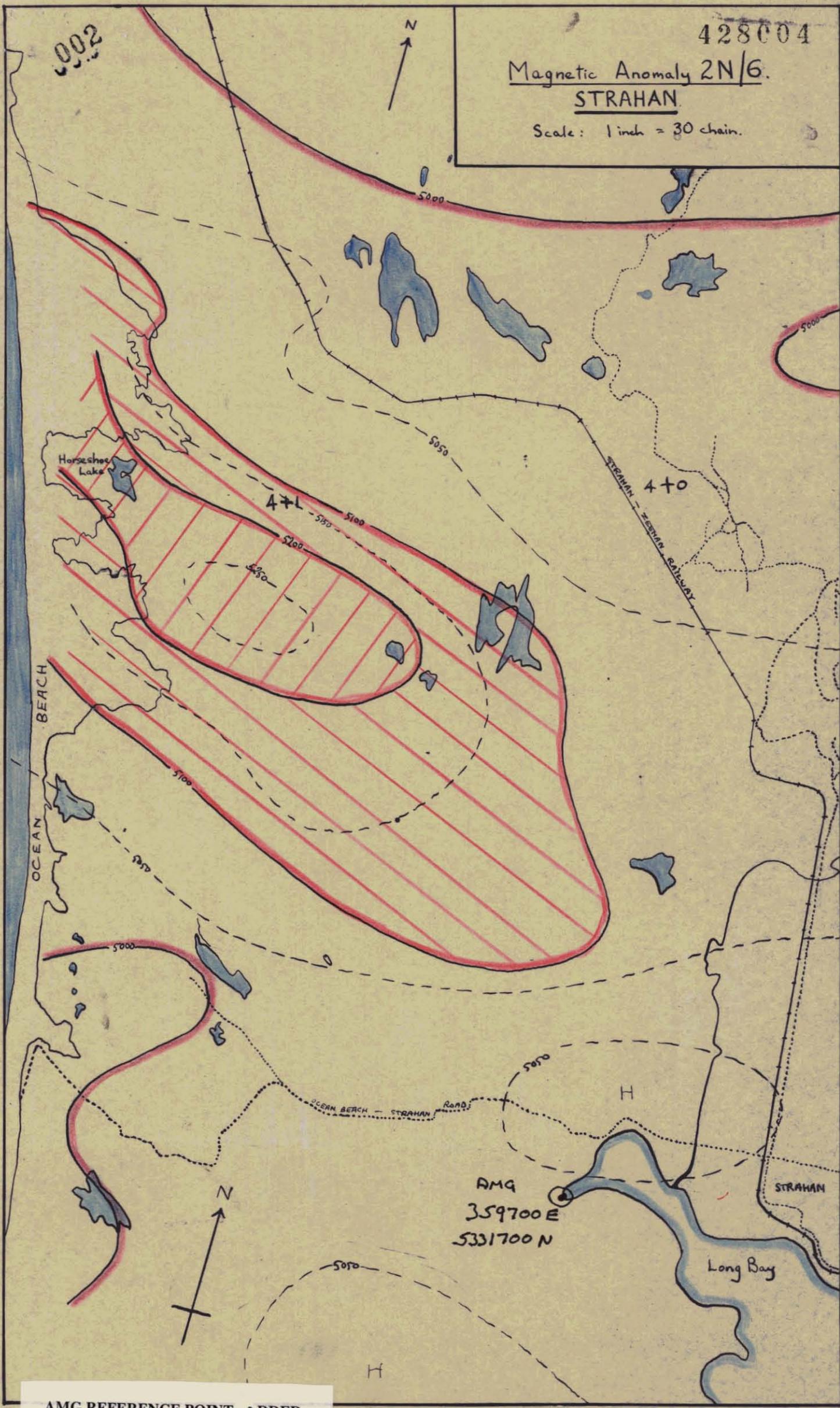
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Magnetic Anomaly 2N/6.

STRAHAN

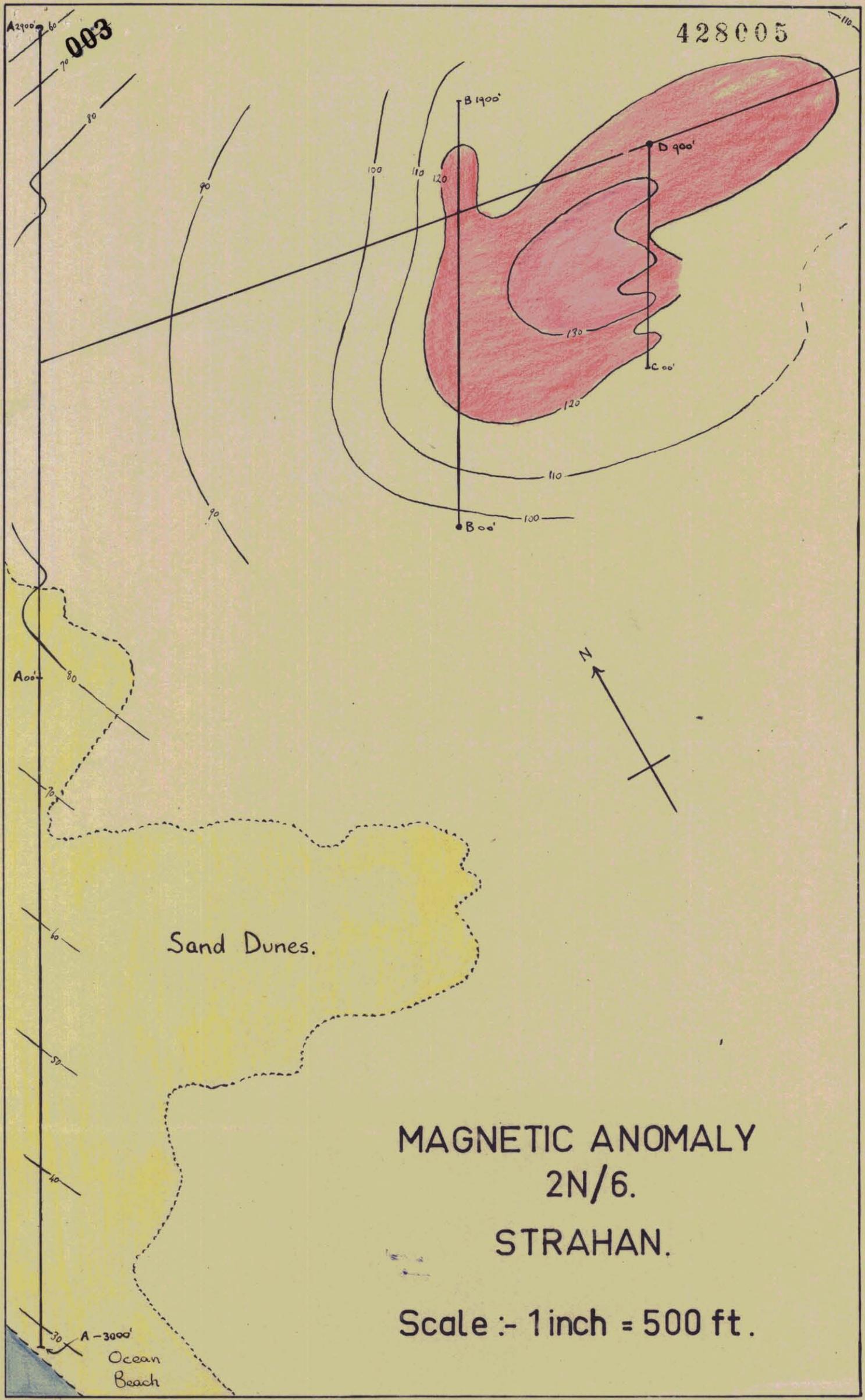
Scale: 1 inch = 30 chain.



AMG REFERENCE POINT ADDED

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MAGNETIC ANOMALY
2N/6.
STRAHAN.

Scale :- 1 inch = 500 ft.