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GEOPEKO

A DIVISION OF PEKO-WALSEND OPERATIONS LIMITED

RELINQUISHMENT REPORT ON EL 17/83

MT BOLTON

TASMANIA

OPEN FILE

MICROFILMED

J Pemberton
October, 1984.

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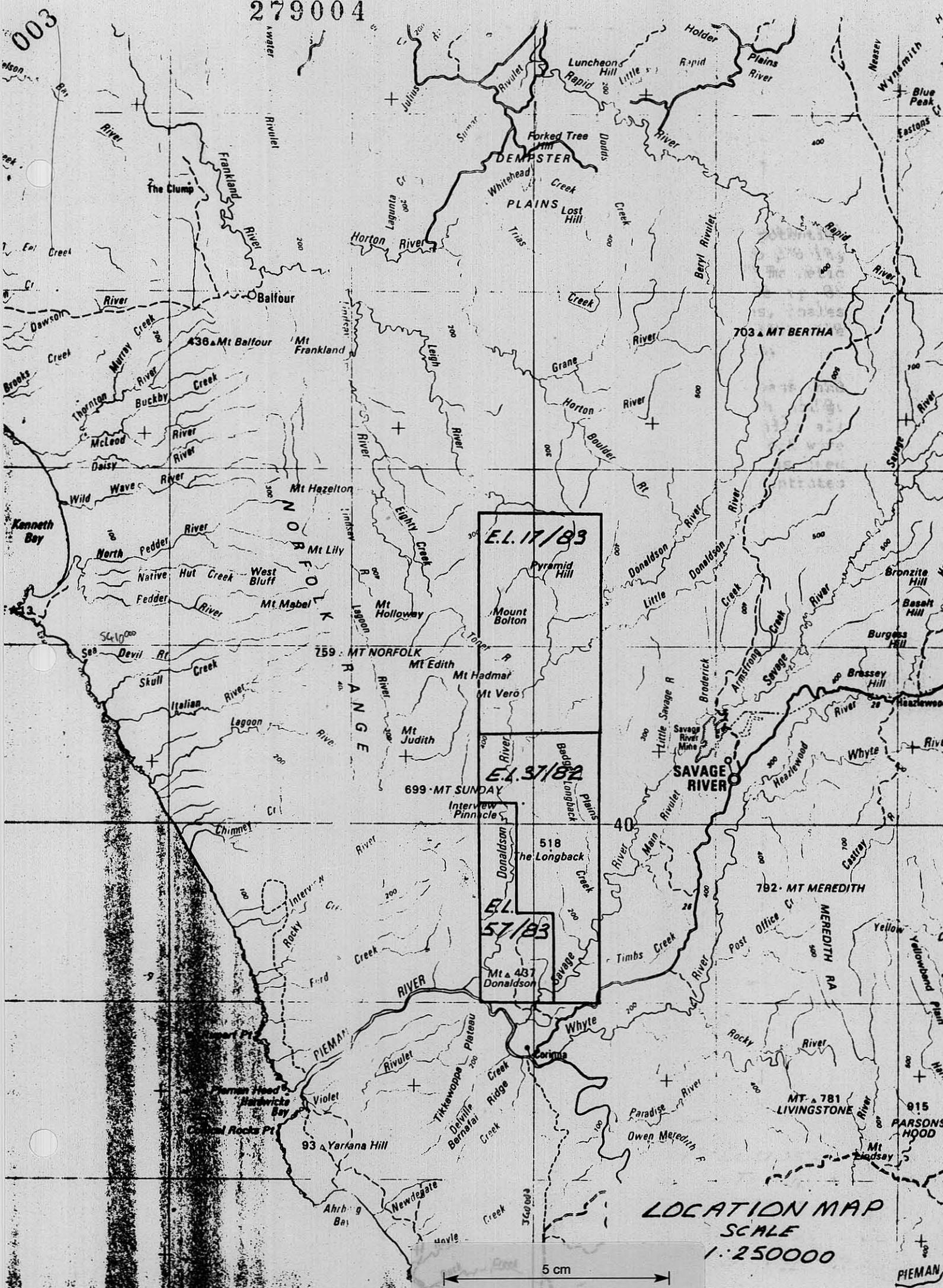
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1. INTRODUCTION

The Mt Bolton EL 17/83 was pegged by Geopeko in a search for the magnetic pyrrhotite/magnetite skarn mineralization. This EL covers 75 sq km and is located 7km north west of the Savage River township in western Tasmania.

Access is by helicopter due to steep, rugged topography and dense rainforest. An exploration program was embarked on by Geopeko in February-March 1984 to follow up a number of airborne anomalies obtained in the 1981 Mines Department survey.

A total of seven magnetic anomalies were followed up by ground traverses. The demise of Geopeko in Tasmania led to this ground being dropped.



LOCATION MAP
SCALE
1:250000

5 cm

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2. EXPLORATION TECHNIQUES

The internal Geopeko report by R R Large on the potential tin potential for tin mineralisation in western Tasmania resulted in Geopeko pegging this ground. A number of interesting stratigraphic trends with magnetic anomalies falls into this area. The rock types are made up of Precambrian Rocky Cape metasediments with laminated siltstones, shales quartzites and minor carbonates. Semi-conformable amphibolites are present in the steeply dipping north easterly striking sequences.

Seven anomalies were followed up on the ground using compass and flagging in open country and reconnaissance grids in rough going. Selected lines were power augered for C horizon soil samples while all lines were read for magnetics. Results and profiles from this work were reported in Pemberton, 1984. A hand held susceptibility meter was used in the field with a Geometrics 816 magnetometer. Panned concentrates were taken where possible.

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3. WORK DONE AND RESULTS

Each of the seven anomalies will be briefly discussed below:-

- Bolt 1 Moderate anomaly adjacent to major fault structure. Gridded with three crosslines and a baseline. Five rock samples with four being magnetic were collected. Felsic Amphibolite and pyrrhotitic siltstones were present.
- Bolt 2 Discrete lenticular anomaly. A very small ground response was obtained from the magnetics. Magnetic Amphibolite present.
- Bolt 5 Moderate anomaly in laminated siltstone. Minor magnetic anomaly on the ground attributed to pyrrhotitic siltstone.
- Bolt 6 Moderate anomaly in laminated siltstones with disseminated pyrrhotite in carbonaceous rich sections. The erratic magnetic highs corresponded with iron staining and interpreted as disseminated syngenetic pyrrhotite.
- Bolt 7 Same as 6.
- Bolt 8 Complex anomaly covered by three profiles. Laminated green and cream siltstone outcrop. Magnetic profiles indicate a formational source.
- Bolt 9 Anomaly south of Bolt 8 in same siltstones.

No anomalous C-horizon auger samples, panned concentrates or rock samples were collected.

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4. CONCLUSION

The seven anomalies worked on did not have hidden magnetic sources and could be explained by surface outcrops. Any further work in the EL by Geopeko would have reverted to a grassroots approach of stream sediment geology and regional geology.

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5. REFERENCES

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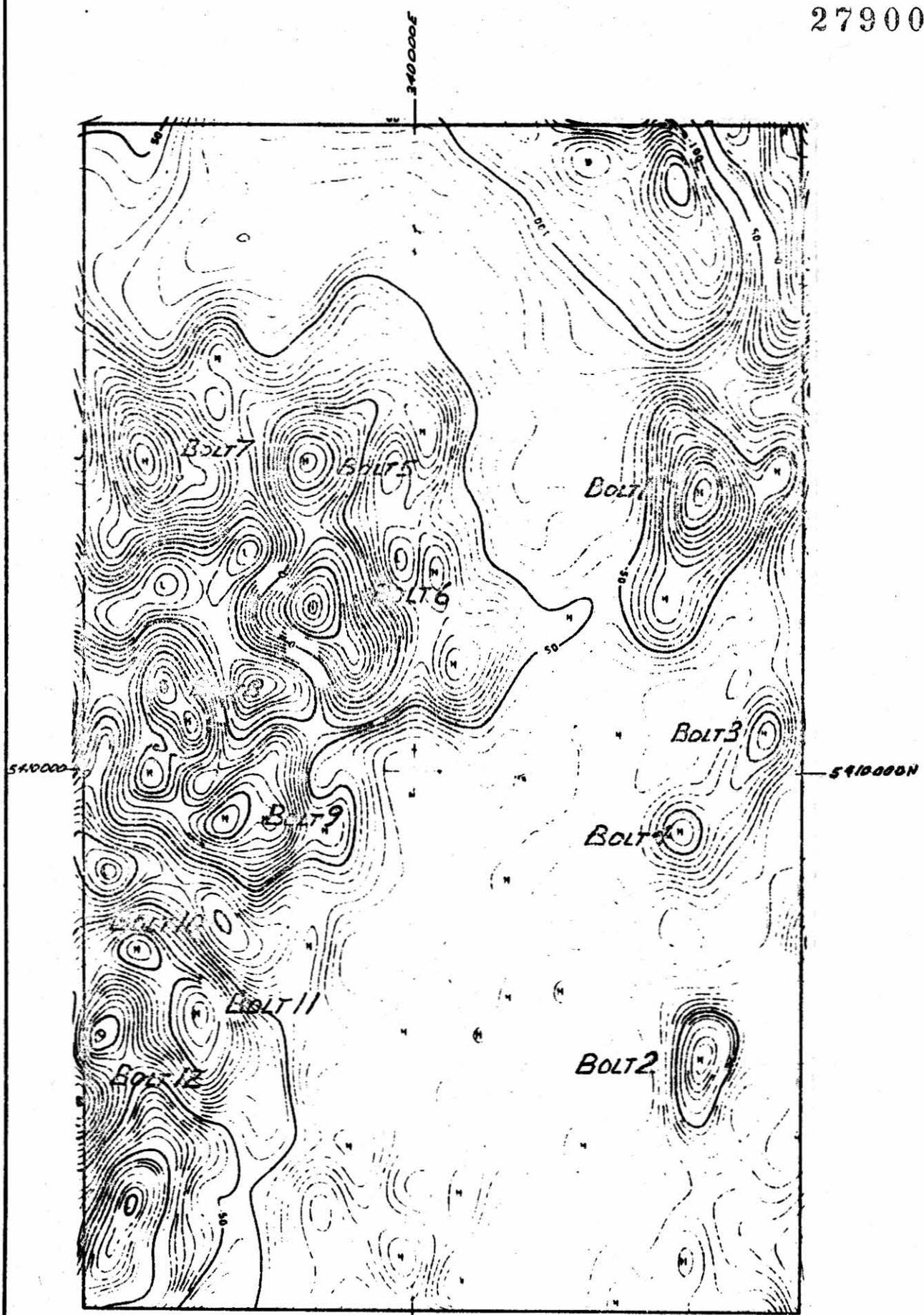
2. Pemberton, J., 1984

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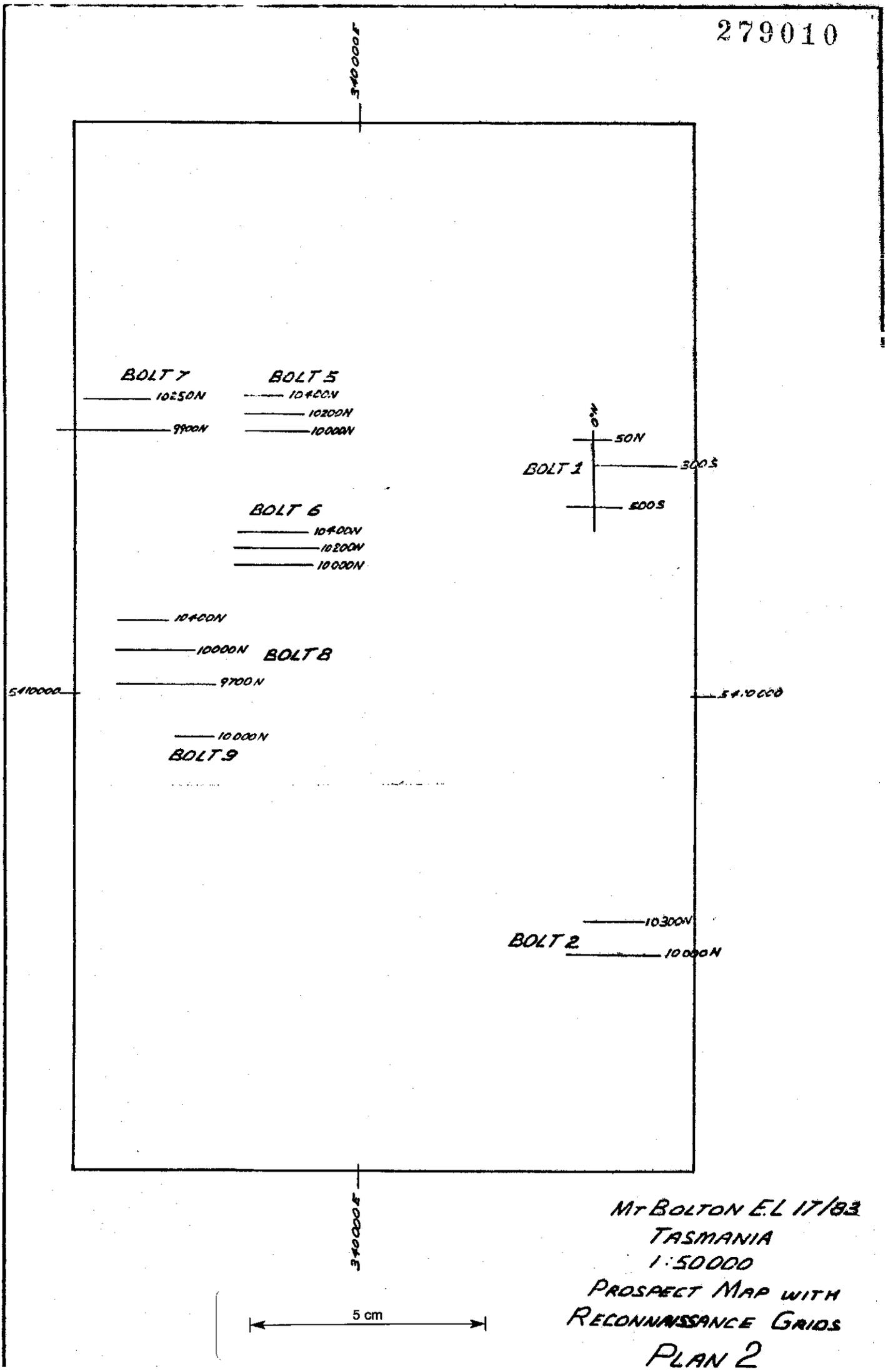
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MT BOLTON E.L. 17/83
TASMANIA
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AEROMAGNETICS
+ PROSPECT MAP
PLAN 1.

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Mt BOLTON E.L 17/83
 TASMANIA
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 PROSPECT MAP WITH
 RECONNAISSANCE GRIDS
 PLAN 2