

000



88-2799

File No.	EL7/88
Doc. No.	2
Activity	LETTER
Date	21. 4. 88
Remarks	REFERS

FINAL REPORT

ON

EXPLORATION LICENCE 7/85, WEST MONTAGU

NORTH WEST TASMANIA

BY

C.H.C. SHANNON

APRIL 1988

Savage Resources Ltd.
Incorporated in Tasmania.
Level 12, M.L.C. Centre.
Martin Place, Sydney.

DISTRIBUTION

Copy No.	1.	Master, Savage Resources Library.
	2.	Director of Mines.
	3.	J.G. Symons.
	4.	P.S. Forwood.
	5.	C.H.C. Shannon, Launceston.
	6.	C. Stevens.
	7.	Savage River Office, 1 Huon St.
	8.	
	9.	
	10.	

TABLE OF CONTENTS

	Page.
1) Introduction.	3
2) Exploration Philosophy.	3-4
3) Summary of Exploration Work.	4
4) Conclusions.	4
5) References.	5

FIGURES

- 1.0. Northern Domal Prospect - Reconnaissance
Magnetics and Detailed magnetics.
- 4.0. West Montagu - Geology (after Geopeko).

1) INTRODUCTION

Exploration Licence 7/85, West Montagu, has been held by Savage Resources Ltd. since 21.8.1985.

No work has been done in the area since the previous annual report. A review of the company's commitments has been taking place and a decision made to drop the area.

At the time the ground was taken up it was anticipated that staff and resources could be transferred to it with the anticipated wind down of the Savage River exploration effort. But instead a limit of a different kind has developed with heavy commitments of staff and finance in developing prospects, which have been given priority over grassroots exploration.

2) EXPLORATION PHILOSOPHY

The area was taken up in the hope of locating a Telfer style gold in ironstone deposit in the sediments of the Smithton Group, which has a gross similarity to the sediments at Telfer. A secondary aim was to continue the search for tin-tungsten mineralisation in the Northern Domal Structure at Robbins Beach, which may itself be the expression of an underlying granite high, and which appeared to have a capping of carbonates.

Magnetic traverses were considered capable of picking out anomalies that would relate to ironstone horizons and point source pyrrhotite replacement bodies.

Once the principle area of magnetic activity had been shown to be a fragmental basalt body, weak gold anomalies found in the basalts were taken as leads to gold mineralisation c.f. that in the Victorian greenstones of similar age. The gold/magnetics association is at best tentative.

The strandplain deposits covering the investigated area may contain beach placers, most probably at the foot of the escarpment marking the inland limit of the strandplain. The heavy minerals in such a placer could be examined for gold in place of a pan concentrate study of the drainage, which would be inappropriate in a strandplain area.

004

Finally, Guilline (1959) reports chromite concentrations in gravels further south, which raises a possibility of platinoids etc. concentrating in fossil beach placers.

3) SUMMARY OF EXPLORATION WORK

The work was confined to the northern domal structure, and the nature and timing much modified in an attempt to mollify a very difficult local landowner.

Initial magnetometer scout lines put in along property tracks and fences led to selection of the Plowright grid area, where further grid lines were put in and anomalies followed up with Wacker device sampling. Bedrock samples proved to be mainly fragmental basalts with minor pelites? The basalts have a small outcrop area just south of the grid. Assay results included some low order gold anomalies. This work is reported in the first annual report (Annett, 1986).

Results were considered sufficient to warrant a northward extension of the magnetometer coverage, which was completed but the proposed follow up sampling was deferred and eventually abandoned. (Annett and Shannon, 1987).

4) CONCLUSIONS

The work completed did not succeed in testing the original target concepts, however the gold response in the fragmental basalt may be a halo of enrichment. The basalt was not expected in the grid area and it could be a breccia pipe occurrence, otherwise the basalt subcrop is more extensive than contemplated by Geopeko and includes magnetically quiet basalts as well as obviously magnetic varieties. The escarpment originally mapped by Geopeko as the basalt boundary is a seascarp which need not correspond to a change in bedrock lithology.

The complication caused by having the basalt meant that the magnetics approach to targets did not work out, however the anomalies of the northern extension of the grid may fit the original concept better.

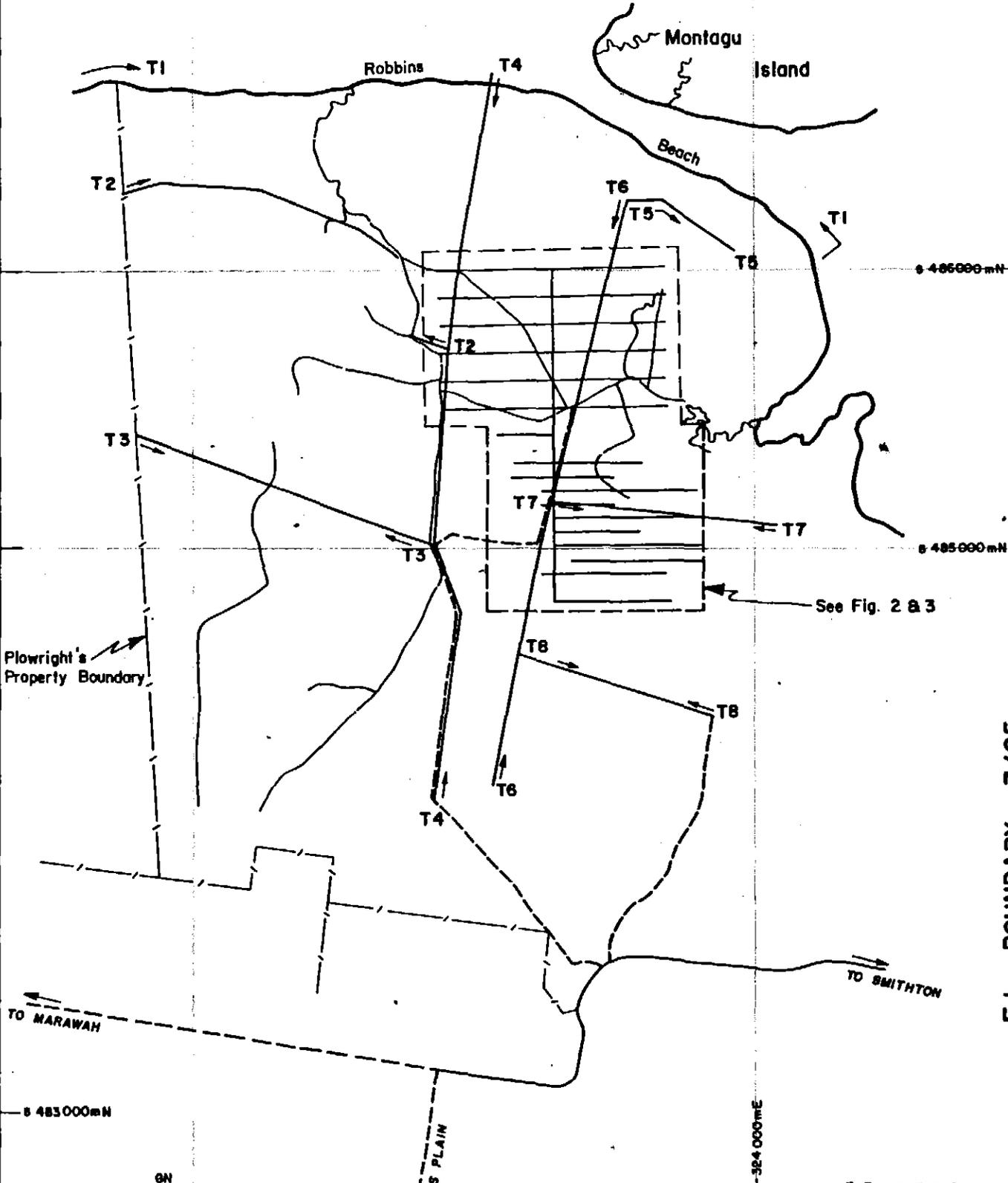
5) REFERENCES

- | | | |
|----------------------------------|--------------|--|
| Annett, R.W. | Sept., 1986 | Report on Investigations within Exploration Licence 7/85, North West Tasmania. unpub. rep. Savage Resources. |
| Annett, R.W. and Shannon, C.H.C. | Sept., 1987. | Report on Investigations within Exploration Licence 7/85, North West Tasmania. unpub. rep. Savage Resources. |
| Guilline, A.B. | 1959. | The Underground Water Resources of the Smithton District, Underground Water Supply Paper No. 5. Tas. Dept. of Mines. |
| Large, R.R. | 1981. | Annual Report EL 25/80 Montagu 1981 Season. unpub. rep. Geopeko. |
| Pemberton, J. | Feb., 1983. | Annual Report EL 25/80 Montagu 1982 Season. unpub. rep. Geopeko. |
| Pemberton, J. | June, 1984. | Annual Report EL 7/83 and 8/83 Montagu 1983 Season. unpub. rep. Geopeko. |

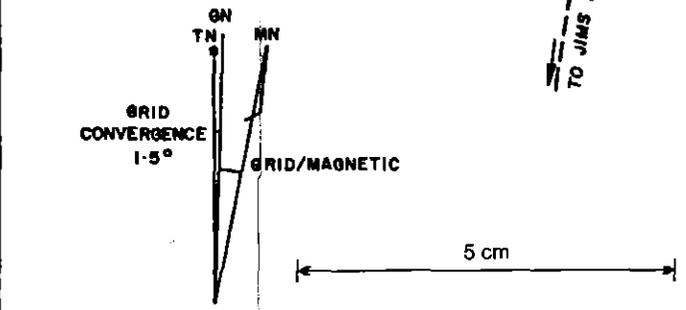
ROBBINS

PASSAGE

792007



E.L. BOUNDARY 7/85



88-2799

SAVAGE RESOURCES LIMITED	
E.L. 7/85	
NORTHERN DOMAL PROSPECT RECONNAISSANCE MAGNETICS AND DETAILED MAGNETICS	
SCALE 1:20,000	
DRAWN BY : R.A. DRAFTSMAN : T.S.D.S. DATE : Sept. 85 REVISIONS : FILE NO. :	FIG. 1-0

007

792008

1:50000

1:50000

ROBBINS ISLAND

ROBBINS PASSAGE

5 cm

E.L. BOUNDARY 7/85

482 000 = N

475 000 = N

MARCUS RIVER

Robbins Beach

W. Montagu Road

RIVER

WILSONS PADDOCKS

PACEYS PADDOCKS

Farnham

Creek

Sandy Track

Boundary Road

SH

Tb

Tb

Es

Ch

Eb

Ed

Eg

Eg

Ed

Ed

LEGEND

- TERTIARY Tb BASALT
- CAMBRIAN Eg CONGLOMERATE, GREYWACKE, SILTSTONE
- Cd DOLMITE, SHALE, TUFF
- CH HEMATITIC SILTSTONE
- Eb BASALT, ABSLOMERATE, TUFF
- Ch HEMATITIC SILTSTONE
- SH SHLIFIED CARBONATE, BLACK SHALE
- Es
- Pre CAMBRIAN Pc QUARTZITE AND SILTSTONE

- BITUMEN ROAD
- - - DIRT ROAD
- ~ CREEK

GRID CONVERGENCE 1.5°

GRID/MAGNETIC ANGLE 10.0°

E.L. BOUNDARY 7/85

Pre CAMBRIAN

88-2799

SAVAGE RESOURCES LIMITED

E.L. 7/85

WEST MONTAGU

GEOLOGY

DRAWN BY	J. R. A.
CRAFTSMAN	T.G.D.S.
DATE	Sept '85
REVISIONS	
FILE NO.	
FIG.	4-0

