

05_5225

Relinquishment Report - EL 47/2002 - Hampshire
Magnetite Deposit
Pinner K C + M K and McCormick P J*
Whitehead, C.H. EL47/2002

EXPLORATION LICENCE – E.L.47/2002

HAMPSHIRE MAGNETITE DEPOSITE

N.W. TASMANIA

RELINQUISHMENT REPORT

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MINERAL RESOURCES		
22 AUG 2005		
TASMANIA REF:	DOC. REF:	
EL47/2002		
22 AUG 2005		
OFFICER	FOR ACTION	FOR INFO
See folio 41		

CLIFF WHITEHEAD

AUGUST 2005

E.L. 47/2002 - HAMPSHIRE MAGNETITE DEPOSITE

RELINQUISHMENT REPORT

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1. LICENCE AND OBJECTIVE

- E.L.47/2002 covers/sq km immediately south of Hampshire on Gunns Ltd Property (Figure No. 1).
- Exploration work was to evaluate the Hampshire Magnetite deposit as a possible economic source of LOW SILICA – MAGNETITE for use at Temco-N.E. Tasmania.

2. PROPOSED EXPLORATION WORK

- ^{DELINEATION}~~definition~~ The ~~definition~~ delineation of the surface extent of the magnetite deposit.
- On ground relocation of past Tasminex/ANZECO/Tasmania Mines Ltd percussion drill sites.
- If possible, undertake a detailed ground magnetic survey.
- Surface sampling of the magnetite and auxiliary sampling – in particular for total Fe and silica content.
- Dependant upon the above survey positive results, it would be proposed to collect a bulk sample of magnetite, complete on site crushing and screening, and prepare a potential workable sample for submittal and investigation by Temco.

3. COMPLETED EXPLORATION WORK

- By means of surface mapping, an attempt was made to delineate the surface magnetite orezone and locate previous Tas. Mines percussion drill sites (Table No. 1). The latter proved difficult due to subsequent clearing and reforestation by Gunns Ltd.
- Extensive track cutting was undertaken and a topographical survey of the E.L. was completed by Peacock, Darcy and Anderson (surveyors – Burnie). By using previous surveys, the original Tas. Mines drill sites could be reimposed on the deposit plan (Figure No. 2).
- The magnetite surface deposit was found to be bordered on the east by the Silver Mine/Hampshire granite and to the north, west and south masked by tertiary basalt cover. However, detailed track cutting showed an extension of the orezone further to the north-west than previously realised. Surface sampling and assays are shown in Table No. 2.
- On site talks with Temco personnel re tonnage and grade specifications were held.
- 14 shallow percussion drill holes – with a total metreage of 107.5 metres – were drilled over the new northern section of the deposit (Figure No. 2). Results were extremely disappointing (Table No. 3) and concentrations of magnetite were found to be solely restricted to surface iron enrichments.

4. RECOMMENDATIONS

- Due to disappointing drill results and limitation of tonnages, the decision by the owners of the E.L. was made to relinquish the licence.

5. EXPENDITURE

- A total expenditure of \$5,637.00 was incurred during exploration.

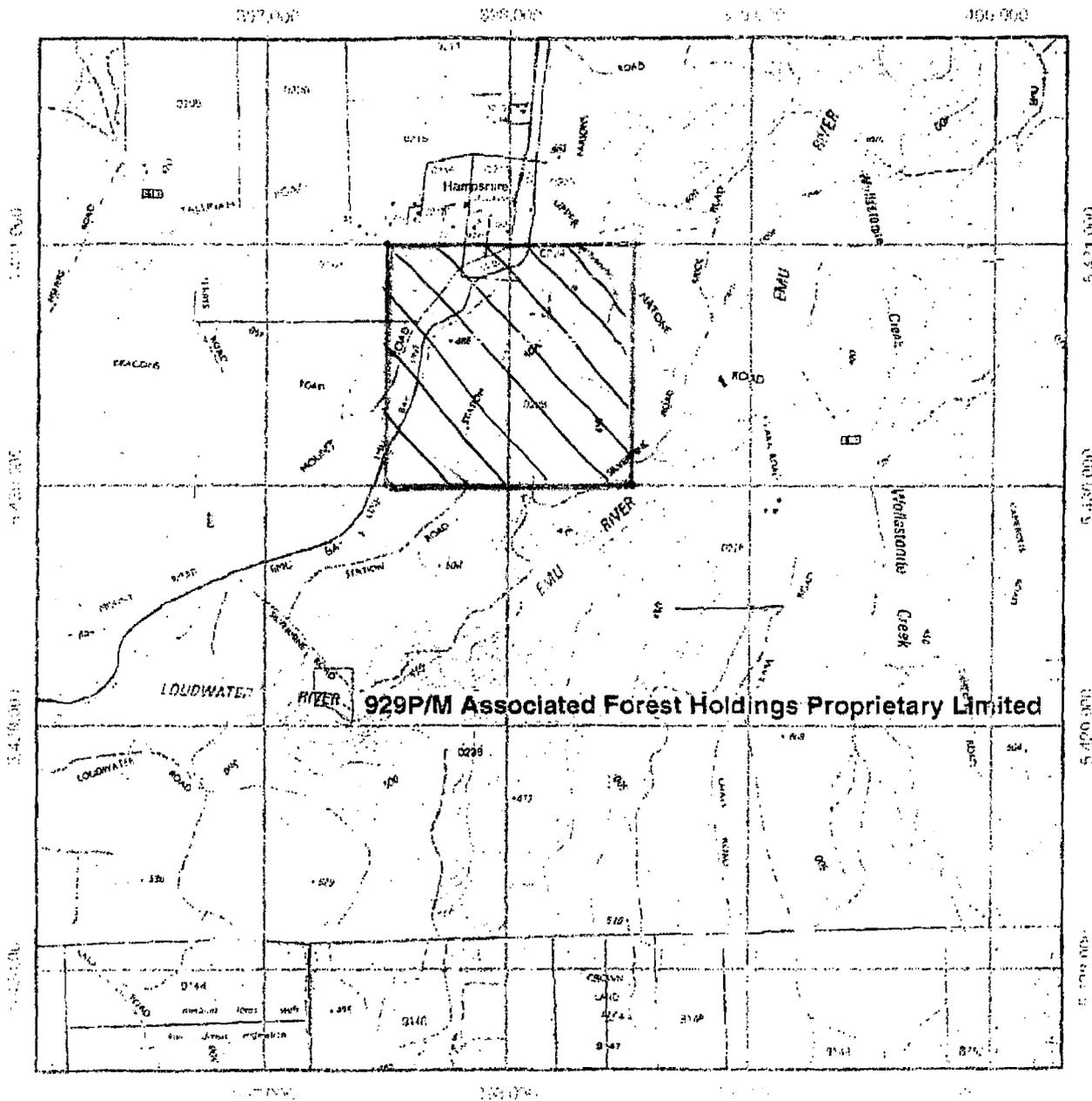
C.H. WHITEHEAD.

AREA APPLIED FOR



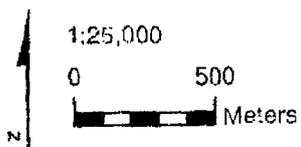
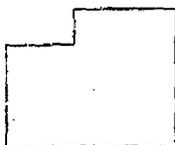
Hampshire Area

FIGURE NO. 1



LEGEND

mining leases (28/10/02)



AMG (AGD66)
drawn by Geoff Cordery 1/7

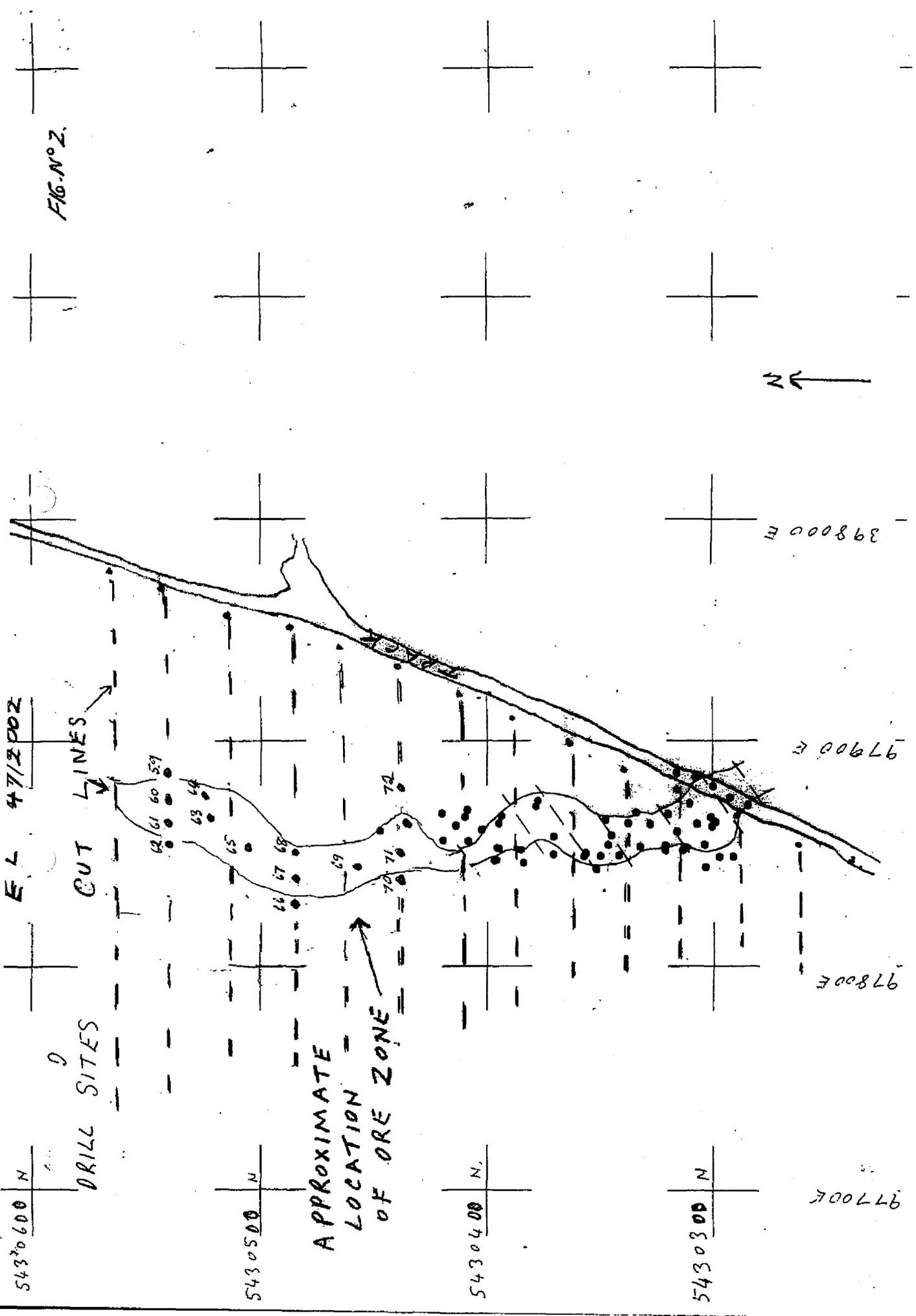


FIG. N° 2.

E.L. 471300Z

DRILL SITES

CUT LINES

APPROXIMATE
LOCATION
OF ORE ZONE

5430600 N

5430500 N

5430400 N

5430300 N

97700E

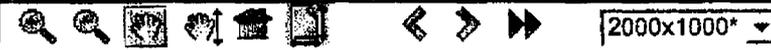
97800E

97900E

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TABLE N°1.



E.L. 17/88 HORTONVILLE MONNETITE SKARN ZONE

PRECISION DRILL PROGRAMME

(29TH MAY - 16TH JUNE, 1989)

Summary - Holes Analyzed and Fe Intersections/Assays

Hole No	Depth Drilled (m)	Fe Intersections	
		Drill Length	% Total Fe
HM.1	13.50	0.0 - 13.5	47.97
HM.2	4.50	0.0 - 3.0	49.10
HM.2A	12.00	0.0 - 12.0	50.28
HM.3	4.50	0.0 - 4.5	43.70
HM.3A	11.50	3.0 - 11.5	60.48
HM.4	9.00	0.0 - 6.0	50.85
HM.5	13.50	0.0 - 6.0	52.20
HM.6	12.00	0.0 - 6.0	53.20
HM.7	7.50	0.0 - 7.5	54.25
HM.7A	14.00	0.0 - 14.0	56.44
HM.8	15.00	0.0 - 12.0	54.93
HM.9	11.00	6.0 - 11.0	51.65
HM.11	3.00	0.0 - 3.0	59.50
HM.11A	15.00	0.0 - 6.0	54.05
HM.12	6.00	0.0 - 6.0	60.00
HM.13	15.00	0.0 - 12.0	52.78
HM.14	15.00	0.0 - 9.0	55.86
HM.15	15.00	0.0 - 15.0	46.64
HM.17	9.00	0.0 - 3.0	49.40
HM.18	3.00	0.0 - 3.0	55.90
HM.18A	6.50	0.0 - 6.5	44.68
HM.19A	7.00	0.0 - 7.0	58.43
HM.29	15.00	3.0 - 9.0	55.70
HM.33	11.00	6.0 - 11.0	50.70

CHEMICAL LABORATORY : INPLANT ANALYSIS REPORT

DATE: 13/11/02

REFERENCE: Magnetite ore Preolenna

TO: D. HASSELL

SAMPLE IDENT. No	SAMPLE IDENT.	Na ₂ O	MgO	Al ₂ O ₃	SiO ₂	P ₂ O ₅	K ₂ O	CaO	TiO ₂	Mn	Mn3C4	Fe	Fe3O4	Cr2O3	BaO	LO #
W 3728	H1 MAGNATITE ORE	0.04	0.40	0.73	0.71	0.068	0.007	0.04	0.10	0.64	0.89	69.4	95.9	0.011	0.003	1.58
W 3729	H2 MAGNATITE ORE	0.04	0.23	1.12	0.85	0.221	0.006	0.02	0.17	0.54	0.74	67.8	93.7	0.007	0.009	0.18
W 3730	H3 MAGNATITE ORE	0.05	0.30	0.76	0.16	0.015	0.003	0.01	0.13	0.65	0.91	70.2	97.1	0.009	<0.001	1.14
W 3731	H4 MAGNATITE ORE	0.05	0.14	0.63	1.08	0.073	0.003	0.02	0.13	0.34	0.47	68.8	95.1	0.009	<0.001	1.60
W 3732	H5 MAGNATITE ORE	0.05	0.20	2.41	1.20	0.043	0.005	0.02	0.13	0.42	0.58	66.8	92.3	0.009	<0.001	0.38
W 3733	H6 MAGNATITE ORE	0.03	0.26	0.61	0.20	0.017	0.002	0.01	0.10	0.55	0.76	70.3	97.2	0.008	<0.001	2.23
NOTE: ALL RESULTS IN BLUE TEXT DENOTE A GAIN ON IGNITION.																

TABLE No 2.

