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515001

D of M	A.O.	C.G.	E.O.	D.S.M.E
Received Answered				13 SEP 1983
DEPT. OF MINES				Registrar
REF. No: 8434/83				E & IL

THE SHELL COMPANY OF AUSTRALIA LIMITED

METALS DIVISION

E.L. 43/81 - MOLE CREEK

Relinquishment Report

OPEN FILE

Author : W.D. Smyth

Report No : 08.1268

Date : 1-9-83

Copy No : 1

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1. Mines Department
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SUMMARY

E.L. 43/81 was granted in June, 1982. Previous exploration had outlined four Pb, Zn geochemical anomalies in limestone. The Shell Company of Australia Limited has tested the best geochemical anomaly by IP, gravity and percussion drilling. No mineralization was observed. It is thought the anomalous geochemistry may be related to minor syngenetic mineralization associated with the supratidal environment of deposition of the limestone.

The licence area is recommended for relinquishment.

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1.0 INTRODUCTION

The Shell Company of Australia was granted Exploration Licence 43/81 on 15th June, 1982.

This report covers all investigations in the licence area by SCOA. A total of approximately \$26,000 was expended on the licence. The total area has been recommended for relinquishment.

2.0 LOCATION & ACCESS

The area is in north central Tasmania located 15 km south of Deloraine and includes the townships of Mayberry, Mole Creek and Chudleigh.

Access is good with numerous sealed roads over the main part of the licence area. Access to the Mayberry Prospect is through a farm (Circular Ponds) into a forestry area through which access is by foot.

3.0 EXPLORATION TARGETS

The target within the area was limestone hosted Pb - Zn deposits. the possibility that the Pb - Zn geochemical anomalies reflected a deeply buried replacement deposit (Renison type) was also considered.

4.0 REGIONAL GEOLOGY

The stratigraphic succession in the region is Precambrian schists unconformably overlain by Cambrian volcanics which in turn is overlain unconformably by the conformable Ordovician sequence of Roland Conglomerate, Moina Sandstone and Gordon Limestone which in turn is overlain conformably by the Silurian Eldon Group and unconformably by Permian sediments. Tertiary basalt flows and Jurassic dolerite sills and dyke are locally present.

005

5 390 000 N

515000

5 400 000 N

440 000 E

MAYBERRY PROSPECT

P.D.H. ↔
M.B. 1

MERSEY

450 000 E

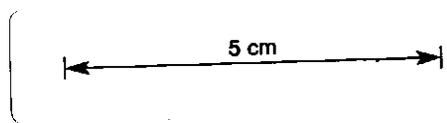
MOLE CREEK

RIVER

E.L. BOUNDARY

460 000 E

G.N.
M.N.

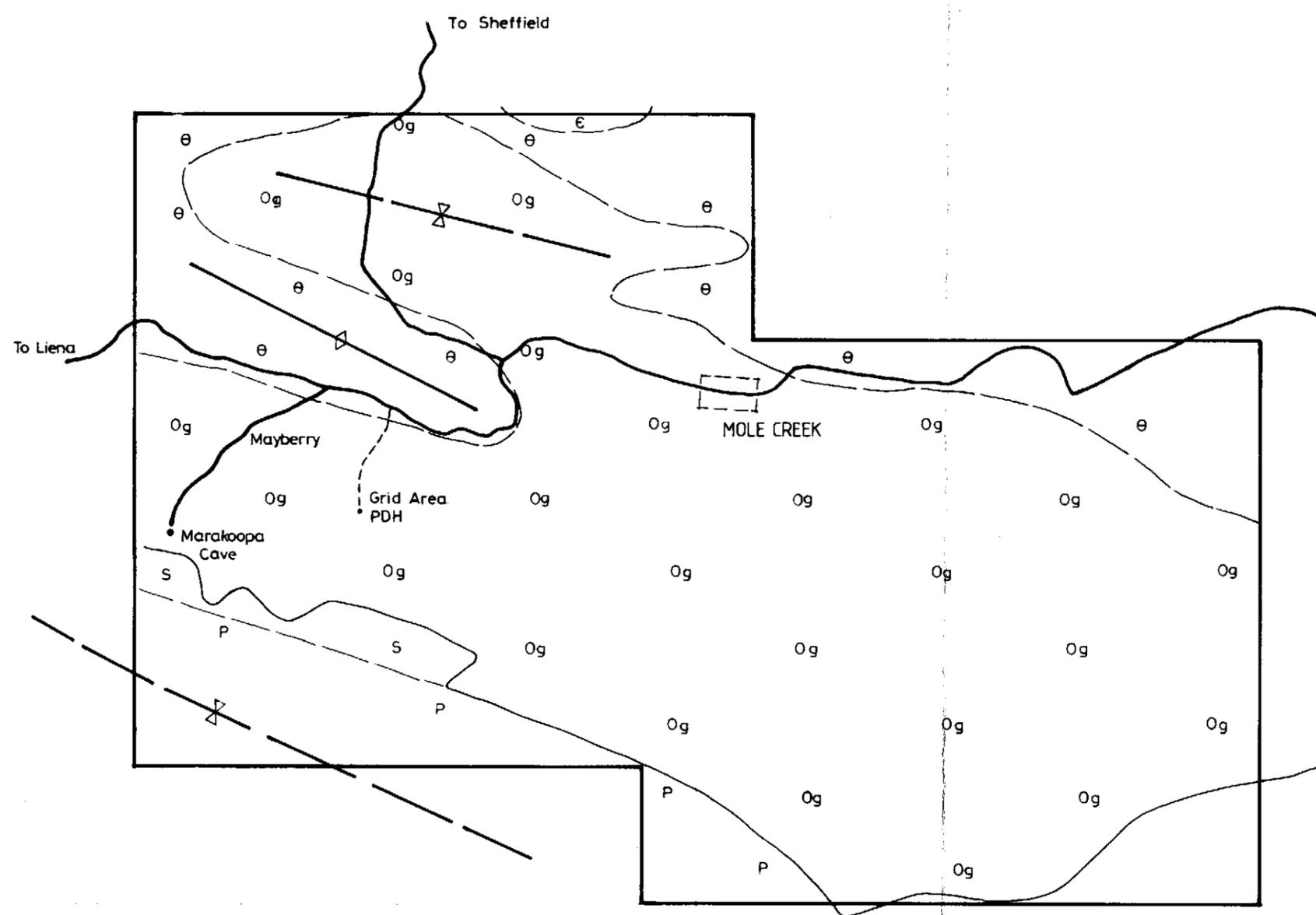


The Shell Company of Australia Limited METALS DIVISION	
E.L. 43/81 MOLE CREEK LOCATION MAP	
SCALE 1:100 000	DATE 28-6-83
AUTHOR W.D.S.	DRAWN J.L.L.
OFFICE D'PORT	REP.No.
DRG No. 7/PW/75/81	FIG No.

006

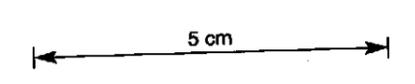
515007

450000 E



LEGEND

- P PERMIAN SEDIMENTS.
- S SILURIAN SEDIMENTS.
- Og GORDON LIMESTONE.
- e MOINA SANDSTONE / OWEN CONGLOMERATE
- E CAMBRIAN SEDIMENTS / VOLCANICS
- SYNCLINE
- ANTICLINE



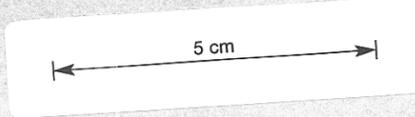
5390,000 N

The Shell Company of Australia Limited
METALS DIVISION

**E.L. 43/81 MOLE CREEK
REGIONAL GEOLOGY AND
LOCATION**

SCALE 1:100000	DATE 24.8.83
AUTHOR W.D.S.	DRAWN J.L.L.
OFFICE DEVONPORT	REP.No.
DRG.No. D/PW75/013	FIG.No. 1

TASMANIA 1:20 000



1:20 000
SHEET 20/4439
MOLE CREEK

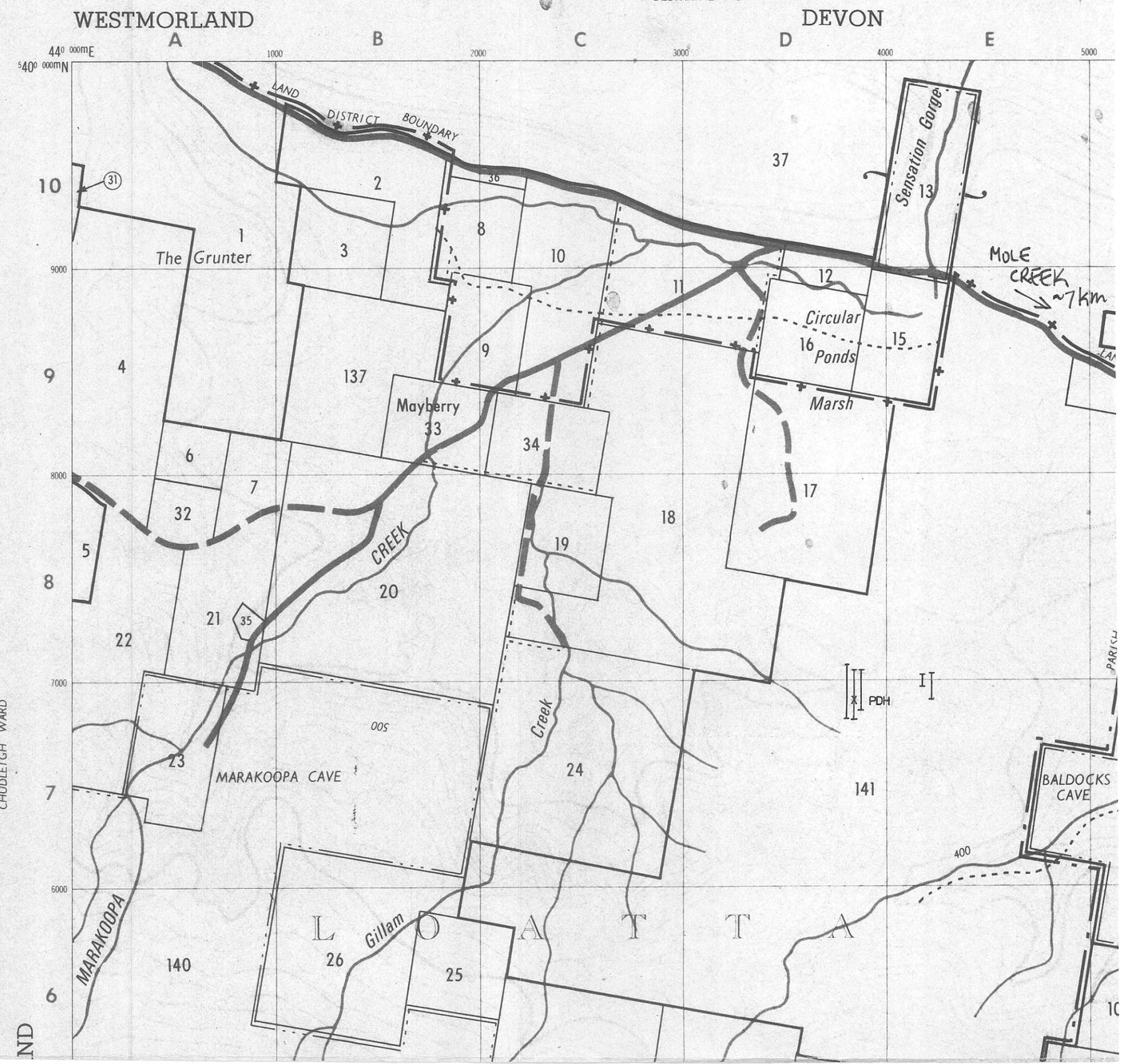
FIG 1A

515008
CADASTRAL - TOPOC
(Preliminary E

Index numbers shown on this tenure map when used in conjunction with the sheet number provides a unique reference to any lot. (e.g.28/20/4845). Details of Tenure: G = granted lot. P.G.= purchase grant. P.= purchase lot. L.O.= location order. C.I.= certificate issued. S.S.= soldier settlement. S.S.L.= soldier settlement lease. R.A.= residence area. L.= lease lot. T.L.= temporary licence. C.L.= crown land. G.R.P.= granted under Real Property Act. Copies of this plan may be obtained from the Lands Dept. or Box 44a G.P.O. Hobart.

CADASTRAL REFERENCE SHEET 20/4439

Index	Map Ref.	Survey Plan	Lot	Area	Name / Purpose	Tenure	Index	Map Ref.	Survey Plan	Lot	Area	Name / Purpose	Tenure
1	A10	-	-	45324ha	State Forest Gaz. 30.9.53	C.L.							
2	B10	33/6	-	39.45ha	Marchant, W.R.	P.G.							
3	B10	26/5	-	21.22ha	Marchant, W.R.	P.G.							
4	A9	11/2	-	73.85ha	Roberts, J.T.	P.G.							
5	A8	-	-	45.324ha	State Forest Gaz. 30.9.53	C.L.							
6	A8	31/16	-	10.05ha	Byard, S.A.	P.G.							
7	A8	20/5	-	12.54ha	Byard, W.	P.G.							
8	C10	26/27	-	20.23ha	McArthur, E.	P.G.							
9	C9	21/5	-	20.44ha	Waugh, S.	P.G.							
10	C9	26/27	-	39.66ha	Andrews, H.	P.G.							
11	D9	26/27	-	40.47ha	Roberts, F.D.	P.G.							
12	D9	26/18	-	7.487ha	Roberts, F.D.	P.G.							
13	E10	-	-	-	Scenery Res. Corr: 6027W	C.L.							
14	E9	35/12	-	8.049ha	Gravel Reserve	C.L.							
15	E9	26/18	-	20.64ha	Roberts, J.T.	P.G.							
16	D9	26/18	-	20.23ha	Roberts, J.T.	P.G.							
17	D8	26/18 Dev.	-	67.78ha	Roberts, J.T.	P.G.							
18	C8	11/3	-	124.7ha	Roberts, J.T.	P.G.							
19	C8	11/4	-	20.23ha	Francis, J.	P.G.							
20	B8	26/27 Dev.	-	128.1ha	Robert, J.T.	P.							
21	A8	13/28	-	33.28ha	Acquired for Forestry Purp.	C.L.							
22	A8	15/3&24/7	-	76.74ha	Acquired for Forestry Purp.	C.L.							
23	A7	15/13 & 27/23	-	59.08ha	Marakoopa Cave Res. Gaz. 16.8.39	C.L.							
24	C7	26/27 Dev.	-	92.01ha	Warren, G.S.	P.G.							
25	B6	27/21	-	20.21ha	Acquired for Forestry Purp.	C.L.							
26	B6	33/7	-	65.76ha	Acquired for Forestry purp.	C.L.							
27	C5	33/9	-	80.97ha	Acquired for Forestry purp.	C.L.							
28	D5	33/9	-	62.16ha	Acquired for Forestry purp.	C.L.							
29	C5	30/14	-	-	Vacant	C.L.							
30	D5	27/22	-	141.6ha	Jackson, E.C.A.	P.G.							
31	A10	20/16	-	50.58ha	Warren, L.I.	P.G.							
32	A8	35/10	-	8.142ha	James, S.E.	P.G.							
33	B9	11/5	-	20.23ha	Roberts, J.T.	P.G.							
34	C9	11/5	-	20.23ha	Byard, J.	P.G.							
35	A8	192R/2	-	1.034ha	Set Apart for Guide Res.	C.L.							
36	C10	P3179	-	2.093ha	Smith, F.	P.G.							
37	D10	-	-	3520ha	State Forest - Gaz. 21.12.26	C.L.							
38	E9	-	-	10.12ha	Gravel Reserve - A2.9.2.	C.L.							
39	G8	PU/15	-	-	Town Reserve - Ugbrook Proc. 17.6.79	-							
40	H9	12/9	-	80.94ha	How, W.R.	P.G.							
41	H9	12/9	-	39.96ha	How, R.	P.G.							
42	I10	6/12	-	59.49ha	How, W.R.	P.G.							
43	J10	6/13 DEV	-	61.11ha	How, J.	P.G.							
44	J10	21/7	-	40.87ha	How, F.E.	P.G.							
45	J10	6/14	-	30.35ha	Field, W.J. & T.W.	P.G.							
46	J10	6/14	-	39.86ha	Part of	P.G.							
47	J10	-	-	4.130ha	Mole Creek Railway Station	-							
48	J9	6/14 DEV	-	Part of	Field, W. J. & T.	P.G.							
49	J9	6/14 DEV	-	29.04ha	Part of	P.G.							
50	J9	3/66	-	20.23ha	How, J.	P.G.							
51	J9	3/66	-	20.23ha	Green, J.	P.G.							
52	J8	3/65	-	20.44ha	How, R.	P.G.							
53	J8	3/65	-	20.23ha	Turner, J.	P.G.							
54	J8	5/26	-	28.93ha	Turner, J.	P.G.							
55	J7	5/32	-	4.583ha	Scott, W.	P.G.							
56	J7	5/27	-	20.46ha	Scott, W.	P.G.							
57	J7	6/30	-	20.23ha	Scott, W.	P.G.							
58	J7	6/34	-	19.42ha	Scott, J.	P.G.							
59	J6	6/40	-	18.61ha	Cameron, A.	P.G.							
60	J6	6/37	-	40.82ha	Cameron, Sr. A.	P.G.							
61	J7	3/61	-	20.84ha	How, Sr. W.	P.G.							
62	J7	5/30	-	20.23ha	Flowers, Jr. W.	P.G.							
63	J8	5/31	-	51.39ha	Pickett, D.	P.G.							
64	J8	5/32	-	Part of	How, R.	P.G.							
65	J8	4/5	-	40.47ha	How, R.	P.G.							
66	J9	6/10 DEV	-	20.23ha	How, R.	P.G.							
67	J9	6/10 DEV	-	42.90ha	Pickett, D.	P.G.							
68	J9	6/10 DEV	-	42.49ha	How, J.	P.G.							
69	J9	6/15 DEV	-	64.04ha	Pickett, D.	P.G.							
70	J8	8/44	-	59.49ha	How, R.	P.G.							
71	J8	6/38	-	12.85ha	Francis, J.	P.G.							
72	J8	11/37	-	60.70ha	Pickett, A.	P.G.							
73	H7	15/29	-	25.12ha	Flowers, D.	P.G.							
74	H7	18/27	-	19.88ha	Blair, W.	P.G.							
75	H7	13/38	-	20.03ha	Blair, W.	P.G.							
76	H7	11/25	-	20.54ha	Flower, D.	P.G.							
77	H7	11/35	-	21.04ha	Flower, D.	P.G.							



008

515009

The major open folds trend WNW and major fractures trend NW.

5.0 PREVIOUS EXPLORATION

All or part of the licence area had been previously held by Cygnatrex Pty. Ltd. and Amoco Minerals Australia Co. A list of references is included as Appendix 1.

Work consisted mostly of regional soil sampling by Cygnatrex with some follow-up soil sampling by Amoco. Four anomalous Pb - Zn zones were outlined with the Mayberry prospect being the largest zone. It was decided that calcite healed breccia zones along the core of the syncline was the cause of the geochemical anomaly and no further work was done on the area.

6.0 INVESTIGATIONS COMPLETED BY SCOA

6.1 MAYBERRY PROSPECT

6.1.1 Geology

The gridded area consists of black very fine grained lime mud-wackstone. Minor red/brown silty layers are present as are minor zones of bioturbations and fine shell fragments. A few narrow calcite veins were located and also patches of calcite veining. Bedding is outlined by siltstone layers and is generally at approximately 280° dipping 50 - 60° to the south. Cleavage is generally well developed at approximately 280° generally steep to south or vertical. (Refer Fig.

2

009

515010

5000 E

5100 N

5000 N

4900 N

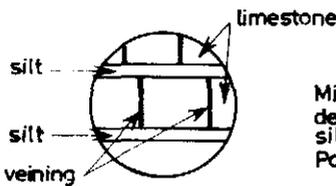
Minor red - brown siltstone bands.

Minor Calcite Vein < 5mm.

280
60°-70°

Minor siltstone bands.
Worm burrows ? Siltstone.

Major coarse calcite bands.



Minor < 5mm calcite veins developed between siltstone bands.
Poorly developed cleavage.
Minor calcite veining some patchy coarse calcite veins.

Recrystallized in part. Few siltstone bands to 5cm.
Minor siltstone bands. Few thin < 5 cm bands of shell fragments - very delicate

Minor siltstone bands.

Poor cleavage
78°
vert.

Partly recrystallized.
Calcite veining - 20 cm patches.

Well bedded/siltstone/mudstone

280
50
Poor cleavage
270
60°

Recrystallized in part
Sparry contact between rextal mud/siltstone layer

Few minor calcite veins.

Black v.f.g. lime-mud - wackstone

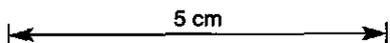
275°
60°
Occasional coral debris very fine - 3mm dia. worm burrows.

Some red - brown silty zone
- possible bioturbations or slumped bedding
- some recrystallization

Narrow zone corals and brachy < 10cm.

280°
60°

Minor silty layers red - brown. Very fine calcite vein < 1mm.
Some recrystallization



The Shell Company of Australia Limited
METALS DIVISION

E.L. 43/81 MOLE CREEK
MAYBERRY PROSPECT
LINE 5000 E
GEOLOGY

SCALE 1:1000	DATE 24-8-83
AUTHOR W.D.S.	DRAWN J.L.L.
OFFICE D'PORT	REP.No.
DRG No D/PW75/012	FIG No

010

515011

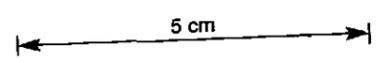
5180 N
5100 N
5000 N
4920 N

40	105		
22			
70	140		
28			
240	240	90	170
24		24	
50	170	200	260
30		30	
170	210	60	210
18		24	
120	730	55	165
28		24	
240	470	195	270
24		28	
1500	1200	125	290
32		26	
170	690	570	290
28		26	
70	110	2200	4600
20		100	2
110	200	110	310
28		28	
46	110	60	400
14		28	
34	80	32	130
16		18	
48	65	80	120
14		24	

960 E
1000 E
1040 E

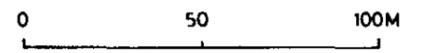
44	120
18	
60	160
24	
70	210
36	
130	220
26	
310	780
36	
110	250
24	
680	670
70	
1100	2900
28	
46	120
26	
195	195
30	
70	175
26	

340 E
380 E



Pb	Zn
Cu	Ag

Analyses in ppm.



The Shell Company of Australia Limited
METALS DIVISION

E.L. 43/81 MOLE CREEK
MAYBERRY PROSPECT
SOIL GEOCHEMISTRY

SCALE	1: 2000	DATE	12-10-82
AUTHOR	W.D. SMYTH	DRAWN	H.L.S.
OFFICE	DEVONPORT	REP.No.	

6.1.2 Geochemistry

Repeat soil sampling was done which confirmed the Amoco results. Rock chip sampling obtained uniformly low Pb, Zn values. (Refer Fig. 3).

6.1.3 Geophysics

Two lines of IP and one of gravity was done over the major geochemical anomalies. IP was done on lines 5000E and 5350E using 100m dipoles and $n = 1$ to 6. No anomaly of interest was located.

Gravity was done on line 5000E from 4600N to 5400N. No anomaly of interest was located. (Refer Appendix 2, Drawing

6.1.4 Drilling

A percussion drillhole was collared at 5000E 4140N to test the geochemistry anomaly at 5000E 5000N. Results were generally low with highest values of 100 ppm Zn and 50 ppm Zn in separate samples. No sign of mineralization was seen in the percussion chips.

6.1.5 Conclusions & Recommendations

No mineralization was located at the best geochemical anomaly in the area. No geophysical targets were located. A percussion hole has been drilled to test the best geochemical zone. No anomalous values were noted.

No further work is recommended for this area.

011

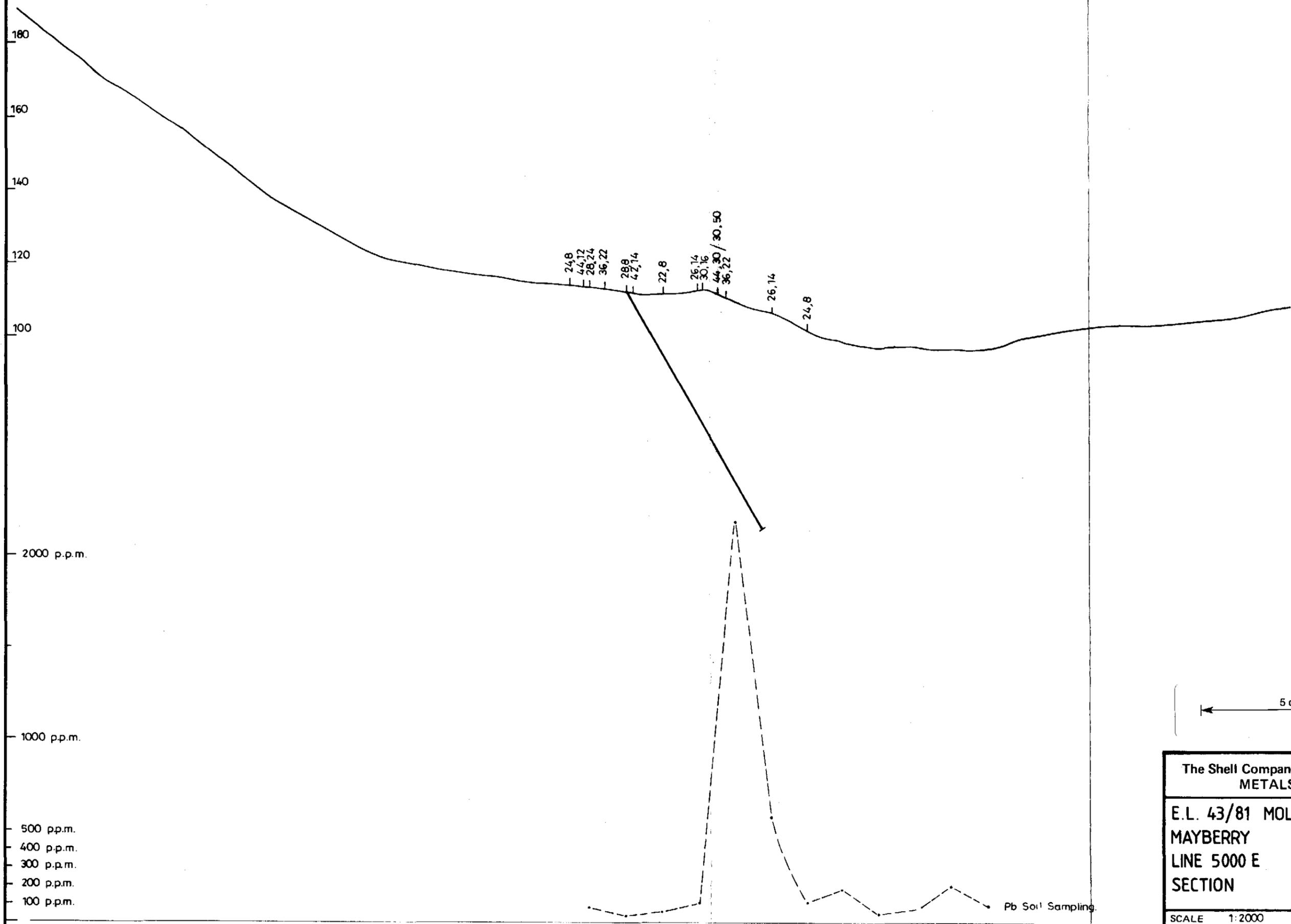
012

4800 N

5000 N

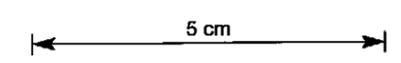
5200 N

515013



Pb, Zn	Pb, Zn
20,32	18,48
16,60	16,100
50,50	16,32
14,32	10,28
12,28	14,38
12,48	10,38
10,70	8,24
12,34	12,32
10,46	10,36
8,42	12,26
10,24	10,34
14,12	8,22
10,24	14,18
12,24	6,32
12,18	10,18
16,12	16,18
16,20	14,20
12,10	16,10
14,10	10,10
10,20	10,10
10,14	18,8
12,10	14,10
14,12	16,8
12,10	20,10
10,10	14,42
10,10	12,8
14,8	10,10
16,20	18,20
10,12	10,6
12,12	12,8
12,6	14,12
14,10	12,8
10,10	8,8
12,12	12,12
16,28	14,12
14,24	16,44
14,10	12,16

ROCK CHIP SAMPLING
Pb, Zn
SCALE 1:1000



The Shell Company of Australia Limited
METALS DIVISION

E.L. 43/81 MOLE CREEK
MAYBERRY
LINE 5000 E
SECTION

SCALE 1:2000	DATE 23-8-83
AUTHOR W.D.S.	DRAWN J.L.L.
OFFICE DEVONPORT	REP.No.
DRG.No. D/PW75/011	FIG.No. 4

APPENDIX 1

References

APPENDIX 1

CUMMINGS, A.J., 1975. "Tasmania Gold Project, Mole Creek Area, E.L. 13/74, Final Report". Cygnatrex Pty. Ltd.

JENNINGS, I.B., 1963. "Explanatory Report One Mile Geological Map Series, Middlesex". Tas. Dept. Mines, Geol. Surv. Explan. Rep.

JONES, P. & SUPPREE, J., 1981. "Final Report Deloraine, E.L. 2/80, Tasmania". Amoco Minerals Australia Co.

APPENDIX 2
Geophysical Results - G. Oakes

MOLE CREEK - GEOPHYSICAL RESULTS (Mayberry Grid)1.0 Gravity

Gravity was completed on line 5000E, from 4600N-5400N, only. This line covered the best geochem and would be expected to give a decent anomaly if there is any sizable body directly associated with the geochem.

No gravity anomaly or any note was detected, although a 0.3 mgal step in the gravity suggests a formational boundary at 5000N-5100N. Such a boundary would fit the topography also (I have not seen any detailed geological map of the area).

2.0 IP

IP was completed on line 5000E and 5380E using 100 m dipoles and $n = 1$ to 6. (IPR 11 receiver and 15 KW transmitter).

5000E - No distinct chargeability high or resistivity low was detected although a couple of low order features were observed (but none with coincident chargeability and resistivity anomalies). There was no feature of any interest over the geochem at 5000N (a small resistivity low can probably be explained by topographic effects).

5380E - Low order chargeability anomalies were observed at 4700-4800N and 5400-5500N (dip to south??) but neither was associated with a clear resistivity low. A resistivity and chargeability low in the centre of the line (over the geochem anomaly) is probably due to topography.

In summary no exciting IP anomaly was detected.

3.0 Summary

Bearing in mind the drilling results at Wattle Valley and the lack of significant gravity or IP features, I cannot see any justification in drilling at Mole Creek at this stage. The only area that might bear further work is the IP anomaly at the southern end of line 5380E as it is uphill from the geochem anomaly, but even this would be really scraping the bottom of the barrel.

017

115018

Metres
200

4800 N

5000 N

5200 N

ELEVATION

180

160

140

120

100

MGAL.

1.2

1.0

0.8

0.4

0.2

0.0

BOUGUER GRAVITY

(P = 2.7
TERRAIN CORRECTED TO CIRCLE E)

Drift Curve

5 cm

4600 N

4800 N

5000 N

5200 N

The Shell Company of Australia Limited
METALS DIVISION

E.L. 43/81 MOLE CREEK
MAYBERRY
LINE 5000 E
GRAVITY

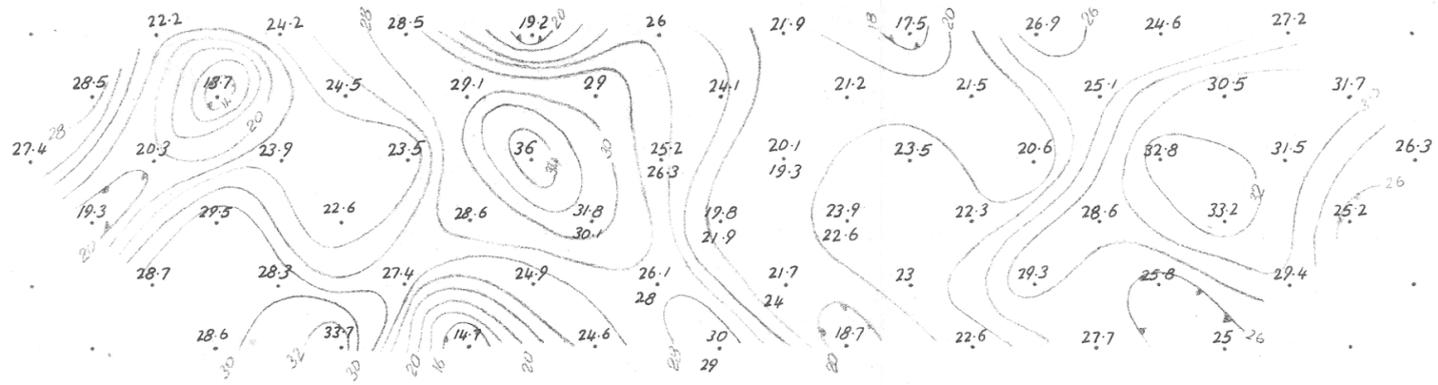
SCALE	1:2000	DATE	23-2-83
AUTHOR	G.O.	DRAWN	J.L.L.
OFFICE	DEVONPORT	REP.No.	
DRG.No.	D/PW75/007	FIG.No.	

AIRBORNE GEOPHYSICS
(EM, MAG, etc)

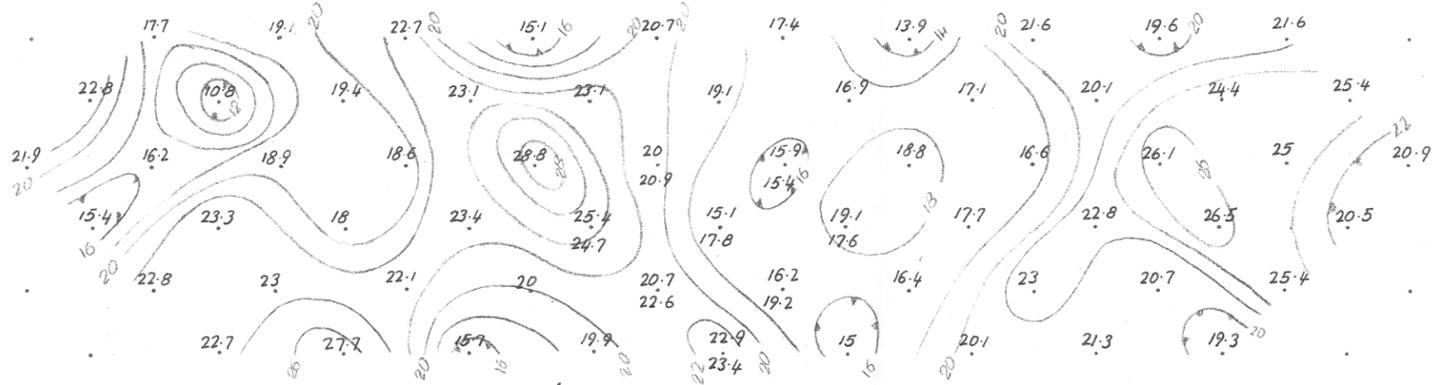
GEOLOGY
& TOPOGRAPHY

4600M 4700M 4800M 4900M 5000M 5100M 5200M 5300M 5400M 5500M 5600M

APPARENT CHARGEABILITY

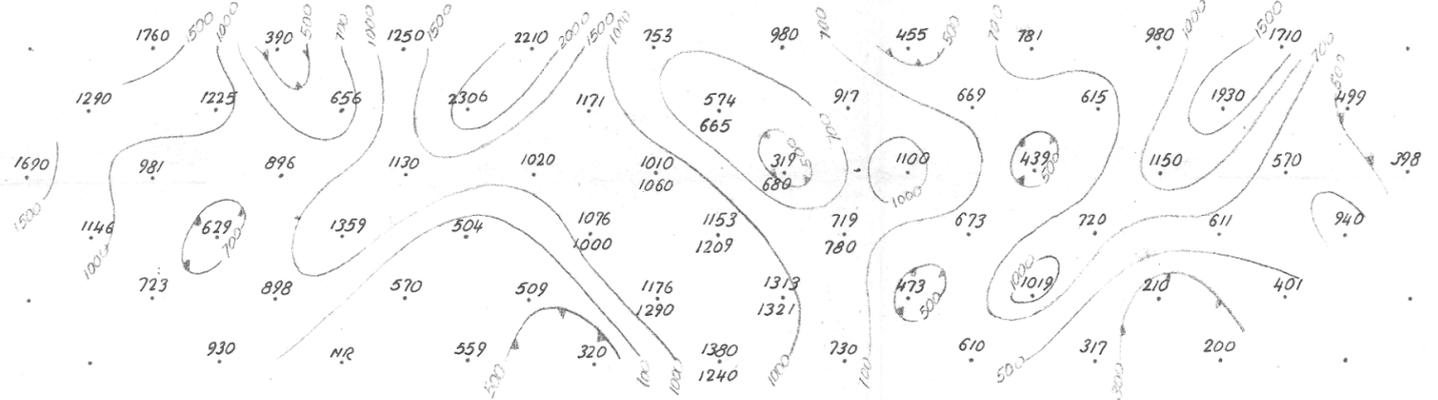


APPARENT CHARGEABILITY



APPARENT RESISTIVITY

018B



Contractor SCINTREX (TAS-103)
 Date 9-10 DEC '82
 Timing
 Transmitter 15 kw
 Receiver IPR11
 Integration time
 Array Dipole - dipole
 Dipole length 100m

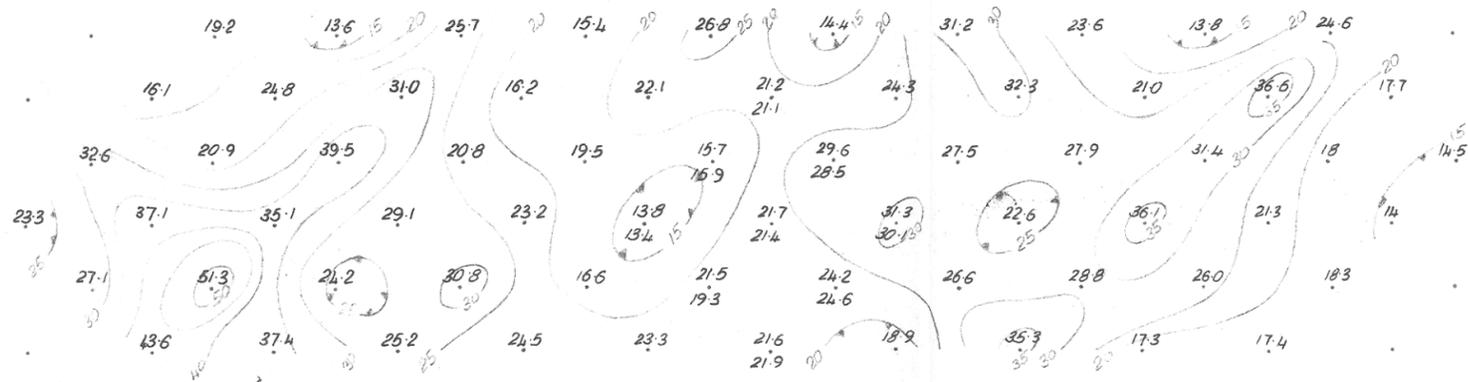
The Shell Company of Australia Limited	
METALS DIVISION	
IP / RESISTIVITY SURVEY	
E.L. 43/81 MOLE CREEK	
5000 E	
Scale	
DATE	D/PW75/009
BY	

AIRBORNE GEOPHYSICS
(EM MAG etc)

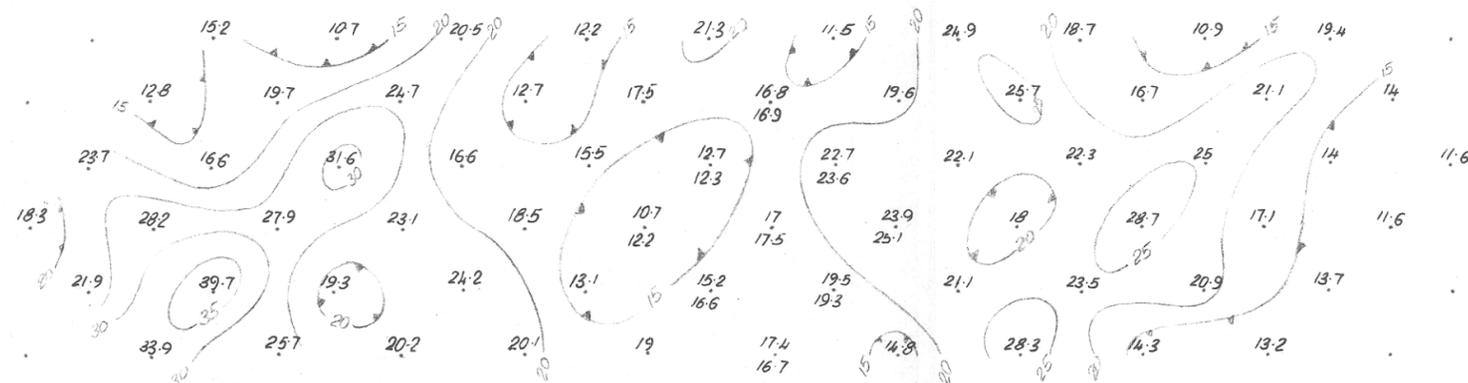
GEOLOGY
& TOPOGRAPHY

4700M 4800M 4900M 5000M 5100M 5200M 5300M 5400M 5500M

APPARENT CHARGEABILITY

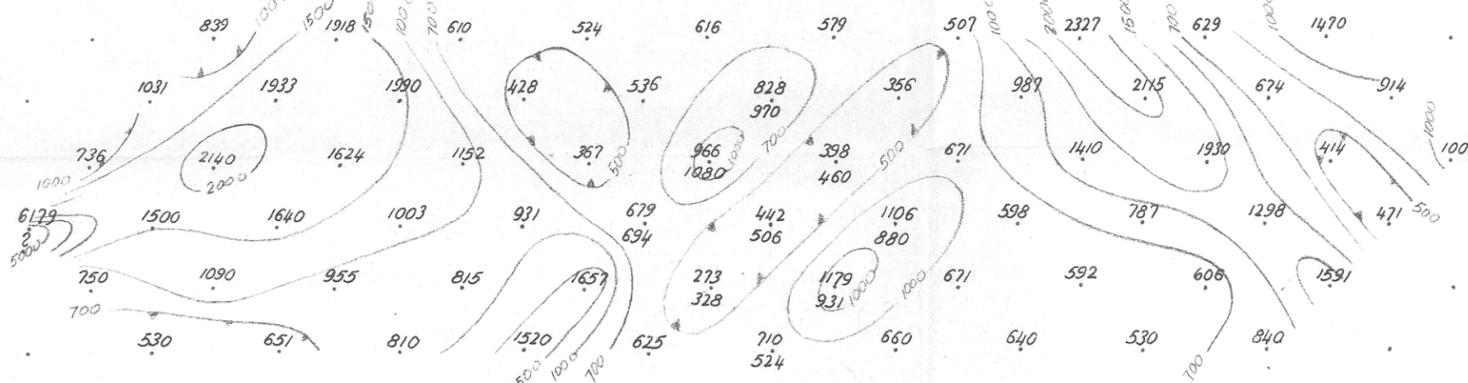


APPARENT CHARGEABILITY



APPARENT RESISTIVITY

019B



Contractor SCINTREX (TAS-103)
 Date 12-DEC-82
 Timing 2 sec
 Transmitter 15 kw
 Receiver IPR 11
 Integration time
 Array Dipole-dipole
 Dipole length 100m

The Shell Company of Australia Limited METALS DIVISION	
IP / RESISTIVITY SURVEY	
E.L. 43/81 MOLE CREEK	
5380 E	
FIG No	REPORT No
INCL No	DWG No D/PW75/008
DATE	AUTHOR
DRAWN	OFFICE

From	To	Interval (m)	Core Rec'd	% Rec	Sample No.	Compos No.	Assays						Weighted Assays/Ratios		% Estimates		Core Angles		T.S Alt P.S	Description			
							Cu	Pb	Zn	Ni	Co	Bt	Co										
					No Sample																		
0	3				10101		8	18	48	8	<4	70	<1									BLACK Y.F. ON. LIME MURSTONE.	
3	4				10102		8	20	32	8	<4	65	<1									WHITE CALCITE VEINING.	
4	6				10103		6	16	100	6	<4	70	<1										
6	8				10104		4	16	60	8	<4	60	<1										
8	10				10105		6	16	32	6	<4	60	<1										
10	12				10106		6	30	30	10	<4	70	<1										
12	14				10107		2	10	28	6	<4	80	<1										TRACE FINE PYRITE
14	16				10108		6	14	32	4	<4	75	<1										
16	18				10109		4	14	38	6	<4	80	<1										
18	20				10110		4	12	28	8	<4	80	<1										
20	22				10111		4	10	38	8	<4	75	<1										
22	24				10112		6	12	48	8	<4	80	<1										
24	26				10113		2	8	24	6	<4	75	<1										
26	28				10114		2	10	70	8	<4	70	<1										
28	30				10115		2	12	32	8	<4	75	<1										
30	32				10116		4	12	34	8	<4	75	<1										
32	34				10117		4	10	36	6	<4	65	<1										
34	36				10118		4	10	46	8	<4	70	<1										
36	38				10119		4	12	26	8	<4	75	<1										
38	40				10120		2	8	42	10	<4	75	<1										
40	42				10121		4	10	34	8	<4	75	<1										
42	44				10122		6	10	24	6	<4	75	<1										
44	46				10123		4	8	22	6	<4	75	<1										
46	48				10124		2	14	12	6	<4	75	<1										
48	50				10125		2	14	18	6	<4	75	<1										
50	52				10126		6	10	24	6	<4	75	<1										
52	54				10127		10	6	32	8	<4	80	<1										
54	56				10128		6	12	24	6	<4	75	<1										
56	58				10129		4	10	18	6	<4	75	<1										
58	60				10130		6	12	18	10	<4	65	<1										
60	62				10131		10	16	18	8	<4	60	<1										
62	64				10132		6	16	12	10	<4	75	<1										
64	66				10133		8	14	20	10	<4	70	<1										
66	68				10134		6	16	20	6	<4	65	<1										
68	70				10135		6	16	10	8	<4	60	<1										
70	72				10136		8	12	10	8	<4	65	<1										
72	74				10137		6	10	10	8	<4	65	<1										
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76	78				10139		10	10	10	6	<4	70	<1										
78	80				10140		8	10	20	8	<4	65	<1										
80	82				10141		8	18	8	6	<4	60	<1										
82	84				10142		6	10	14	8	<4	60	<1										
84	86				10143		6	14	10	6	<4	60	<1										
86	88				10144		6	12	10	6	<4	65	<1										
88	90				10145		6	10	8	8	<4	60	<1										
90	92				10146		6	14	12	8	<4	60	<1										
92	94				10147		8	20	10	10	<4	65	<1										
94	96				10148		6	12	10	10	<4	60	<1										
96	98				10149		6	14	42	8	<4	65	<1										
98	100				10150		6	10	10	8	<4	60	<1										
100	102				10151		8	12	8	6	<4	60	<1										
102	104				10152		6	10	10	6	<4	55	<1										
104	106				10153		6	10	10	8	<4	60	<1										
106	108				10154		6	14	8	6	<4	65	<1										
108	110				10155		8	18	20	12	<4	60	<1										
110	112				10156		10	16	20	14	<4	60	<1										
112	114				10157		6	10	6	10	<4	70	<1										
114	116				10158		8	10	12	8	<4	65	<1										
116	118				10159		8	12	8	6	<4	60	<1										
118	120				10160		8	12	12	8	<4	70	<1										
120	122				10161		6	14	12	8	<4	75	<1										
122	124																						

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021

