Open File Envelope No. 3233

EL 381

EUDUNDA

PROGRESS, PARTIAL SURRENDER AND FINAL REPORTS TO LICENCE EXPIRY FOR THE PERIOD 26/1/1978 TO 25/1/1979

Submitted by
CRA Exploration Pty Ltd
1979

Enquiries: Customer Services Branch
Minerals and Energy Resources
7th Floor
101 Grenfell Street, Adelaide 5000

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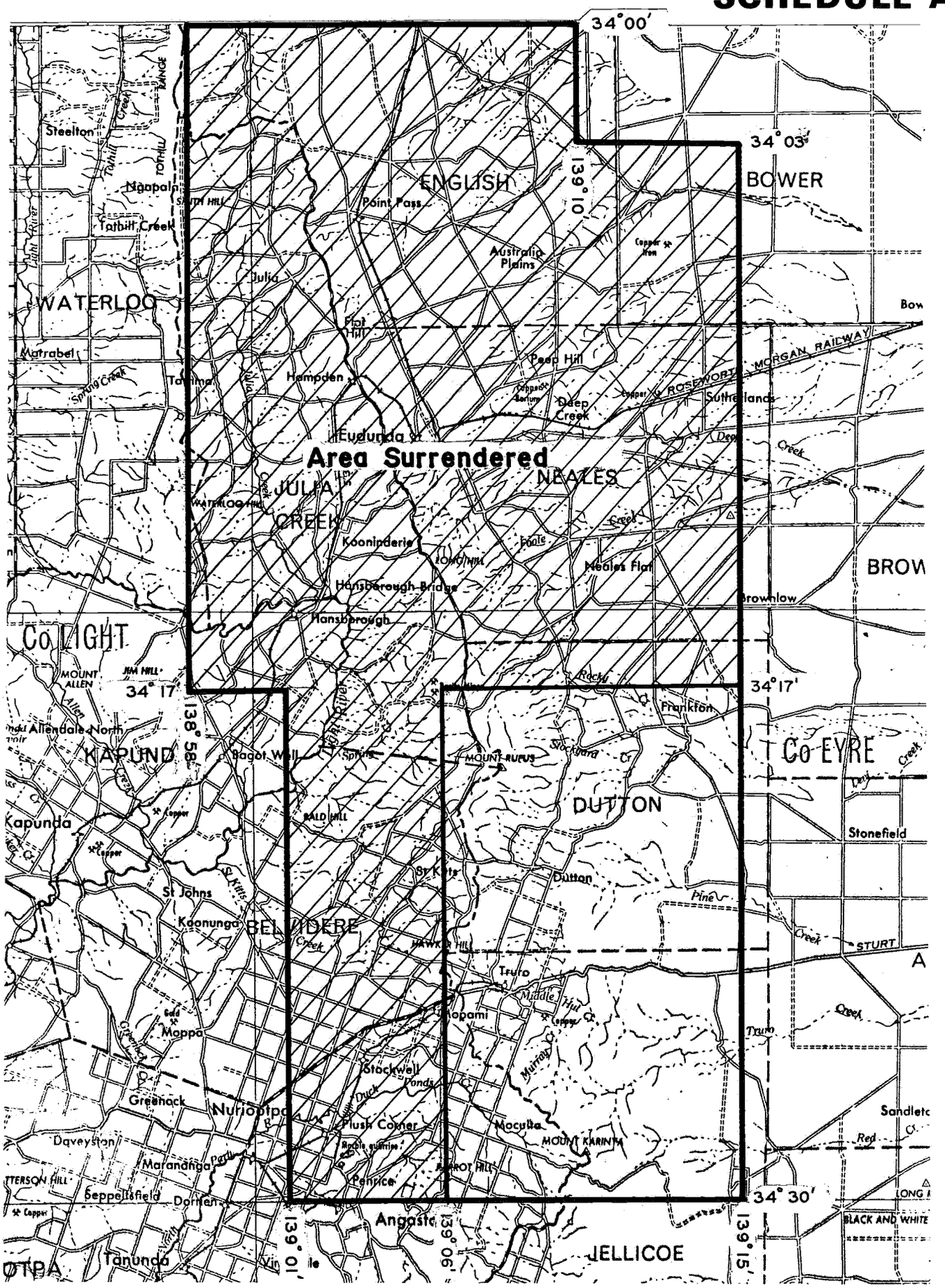
Government of South Australia
Primary Industries and Resources SA

SCHEDULE A



SCALE 1:250 000

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

APPLICANT: C.R.A. EXPLORATION PTY LIMITED

D.M.: 502 / 77

AREA: ~~1295~~ 332 Square kilometres

1: 250000 PLANS:

ADELAIDE

LOCALITY: EUDUNDA AREA

EXPIRY DATE: 25 · 1 · 79

E.L. No.: 381

EXPIRED

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TENEMENT: EXPLORATION LICENCE 381

TENEMENT HOLDER: C.R.A. EXPLORATION PTY. LTD

REPORTS:

MASON, D.O. 1978
Report on Eudunda, E.L. 381 South Australia for quarter ending 25/4/78 (pgs. 4-13)

MASON, D.O. and MAYER, T.E. 1978
Final report for the relinquished portion on Eudunda E.L. 381 South Australia (pgs. 14-54)

Plans:
- Eudunda, E.L. SHEET 1 Geochemical traveres on portion of E.L. 381 to be relinquished (SA a 216) (3299-1)
- Eudunda, E.L. 381 sheet 2 Geochemical traverses on Portion of EL. 381 to be relinquished. (SAa 215) (3299-2)

REPORTS:
MASON, D.O. and MAYER, T.E. 1978 B
Report on Eudunda E.L. S.A. for quarter ending 25th July 1978 (pgs. 55-142)

Plans:
- Eudunda, E.L. 381 sheet 1 soil rock chip and stream sediment sample locations. (Plan No. SAa 216) (3233-1)
- Eudunda, E.L. 381 sheet 2 soil rock chip and stream sediment sample locations. (Plans No. SA a 217) (3233-2)

REPORTS:
MASON, D.O. 1978
Report on Eudunda E.L. 318 South Australia for quarter ending 25/10/78 (pgs. 143-147)

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REPORTS:

MAYER, T.E. 1979
Fourth quarterly report for period ended 25/1/78 and final report on Exploration Licence 381 South Australia. (pgs. 148-164)

Plans:

- Eudunda, Exploration Licence 381, sheet soil chip and stream sediment sample locations. (3233-2)
(SAa 217)
(Duplicate)

C.R.A. EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)
95 COLLINS STREET, MELBOURNE, AUSTRALIA 3001

P.O. BOX 384D
TELEPHONE: 63 0491
TELEGRAMS: "CONRIO"
TELEX AA 30108

18 May 1978.

The Director of Mines,
P.O. Box 151,
EASTWOOD. S.A. 5063.

Dear Sir,

EL 381 - Eudunda, SA - Report for the Quarter Ending 25 April, 1978

Please find attached a report by D.O. Mason entitled "Report on Eudunda, EL 381, South Australia for the Quarter Ending 25/4/78", dated 30 March 1978.

Work undertaken during the quarter has not changed the status of this area as being moderately prospective.

Expenditure for the period ended 30 April, the nearest accounting period, amounted to $1893 comprising:

Salaries	$928
General Supplies	27
Vehicles	126
Travel and accommodation	28
General Overheads	784
	$1893

Yours faithfully,

for J. Collier
General Manager

SAF:pah
Att.

C.R.A. EXPLORATION PTY. LIMITED

REPORT ON EUDUNDA E.L. 381 S.A.

FOR QUARTER ENDING 25/4/78.

AUTHOR: D. O. MASON

SUBMITTED TO: G. D. KLINGNER

DATE: 30 MARCH 1978

CONTENTS

1. SUMMARY

This report summarizes work conducted on E.L. 381 during the quarter ending 25th April 1978. This work comprised a review of the S.A. Mines Department Geochemical Exploration of the Adelaide 1:250,000 sheet, plus a collection of all open file data submitted by exploration companies working in the area.

A field inspection was conducted over some areas indicated as anomalous by the Mines Department and over selected stratigraphic horizons within the E.L. Rock chip samples were collected and assay results are awaited. Further soil, rock chip and possibly stream sediment sampling is planned.

2. INTRODUCTION

Eudunda E.L. 381 covering an area of 1295 square kilometers was granted to C.R.A.E. on 25th January 1978 for the term of one year. The area contained within E.L. 381 extends from north of Point Pass south almost to Angaston. The stratigraphy represented in E.L. 381 covers the Adelaidean to Cambrian lithologies.

3. CONCLUSIONS & RECOMMENDATIONS

The review of the S.A. Mines Department geochemical sampling indicated several horizons that may be prospective for base metal mineralization with the Tindelpina Shale standing out as being the most promising. An area near Mt. Rufus contained an area of anomalous copper values 5-10 km long over a width of 50-150 metres. Rock chip samples were taken during field inspection and traces of copper carbonates were noted.

Inspection of the Truro Volcanics/Heatherdale shale indicated that the presence of volcanic material may be more widespread than noted on the published maps, and that there may be an association of both base metals and phosphate with this unit.

It is recommended that all anomalous areas produced by the S.A. Mines Department be sampled to try to locate the source

of the anomaly. Some soil sample traverses should be conducted over the extensions of the Truro volcanics and over the Tindelpina Shale if rock chip assay results are promising. It is also recommended that a programme of soil sampling be conducted over the Karinya Shale in line with sampling being conducted by C.R.A.E. over pyritic units of the Brukunga Formation elsewhere within the Kanmantoo Trough. Orientation studies should be conducted over the Eudunda arkose (host for the Kapunda mineralization) to see if the unit is prospective within E.L. 381.

4. S.A. MINES DEPARTMENT STREAM SEDIMENT SAMPLING

The samples were collected at a density between one and six samples per square kilometre. Most of the stream sediment samples were collected immediately upstream from a stream junction and the major streams were sampled at approximately 500 m intervals. The samples were collected at a depth of about 20 cm below the surface with the -80 mesh being submitted for analysis. Cu, Pb, Zn, Au and sometimes Bi were analysed by AAS and W, Nb, Mn, Mo, and Co were analysed by semi quantitative Emission Spectroscopy. The results were statistically treated and geometric rolling means and residual maps were then produced to outline anomalous areas.

E.L. 381 is located mainly on the Truro and Eudunda 1:63,360 sheets and a summary of the anomalous areas on these sheets is included below. Geological maps showing anomalous areas and sample locations will be included in the second quarterly report.

4.1 TRURO 1:63,360 SHEET

2657 stream sediment samples were collected from the western portion of the Truro 1:63,360 sheet area. Some follow-up soil and rock chip sampling in the Mt. Rufus-Dutton area indicated an interval near the boundary between the Sturt Tillite and the Tapley's Hill Formation with anomalous Cu, Pb, Zn and Au extending for a strike length of at least 5 kms. The anomalies may occur in the Tindelpina Shale Member.

Ranges of base metal values from stream sediments collected on the Truro sheet are Cu 2-330 ppm, Pb 5-150 ppm, Zn 5-1400 ppm. The three main anomalous areas are:

1) Mt. Rufus - Dutton Cu, Pb, Zn anomalies over widths of 50-150 metres.

2) 2 kms E of Mt. Rufus - one sample gave 55 ppm Cu, 150 ppm Pb, and 1400 ppm Zn. One rock, a ferruginous siltstone gave values of 0.73% Zn and 0.18% Pb. This is an area of Adelaidean Tarcowie Siltstone separated from the Truro Volcanics, just to the N, by a fault zone.

3) The L. Camb Heatherdale Shale (with a small outcrop of Truro Volcanics) has associated scattered anomalies ranging from 25-90 ppm Pb, and 80-170 ppm Zn.

4.2 EUDUNDA 1:63,360 SHEET

Approximately 500 samples were collected on the Eudunda sheet with a density of one sample per sq. km.

The only areas of interest are:

1) A single point Cu, Pb, Zn anomaly surrounded by anomalous Pb values within the Appila Tillite north of Point Pass.

2) A single point multi-element anomaly showing high contrast with background within the Appila Tillite just W of Sutherland.

3) An area of anomalous Pb, Zn values just S of Julia which has a low contrast with the local high background within the Tarcowie Siltstone.

4) A single point multi-element anomaly 3 kms. E of Sutherlands within the Bakara Soil of The Murray Plans.

5) An area with an anomaly of 300 ppm W with several other values of 50 ppm in the vicinity - unfortunately these occur within E.L. 240 of the Kapunda area.

5. ROCK CHIP SAMPLING

During a brief reconnaissance of E.L. 381 rock chip samples were collected of:

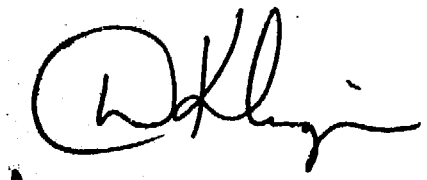
(a) The Truro Volcanics - including a narrow tuffaceous? zone which appeared to carry boxworks after disseminated sulphides. A copper bearing fault breccia in the vicinity, and other ironstones were also sampled. If assay results are promising, soil sample traverses will be conducted over possible extensions of the Truro Volcanics.

(b) Phosphatic material from the St. Kitts Phosphate quarry material similar to the Truro Volcanics was noted in the area.

(c) Tindelpina Shale in the Mt. Rufus - Dutton area. Samples were taken of the shale, some Mn-Fe rich gossanous? material and surrounding rock types.

(d) Eudunda arkose from the Hampden railway cutting.

Rock chip sample locations and assay results will be included in the next quarterly report.



for D. O. MASON

REFERENCES

Eberhard B.A. (1976) — Geochemical Exploration of the Cambrai 1:63,360 Sheet; Completion Report, S.A. Mines Department Report Book 76/25.

Eberhard B.A. (1976) — Geochemical Exploration of the Riverton and Eudunda 1:63,360 Sheets; Completion Report. S.A. Mines Department Report Book 76/134.

Mason D.O. (1977) — Review of Geochemical Exploration of the Adelaide 1:250,000 Sheet. Unpublished C.R.A.E. Report No. 9037.

Robertson R.S. (1975) — Geochemical Survey of the Adelaide 1:63,360 Sheet; Completion Report. S.A. Mines Department Report Book 75/94.

Robertson R.S. (1976) — Geochemical Survey of the Truro 1:63,360 Sheet. S.A. Mines Department Report Book 76/100.

Schlichting R.P. (1976) — Geochemical Exploration of the Gawler 1:63,360 Sheet, Completion Report. S.A. Mines Department Report Book 76/49.

Sibenaler X.P. (1975) — Geochemical Exploration of the Mannum A 1:25,000 Sheet. S.A. Mines Department Report Book 75/18.

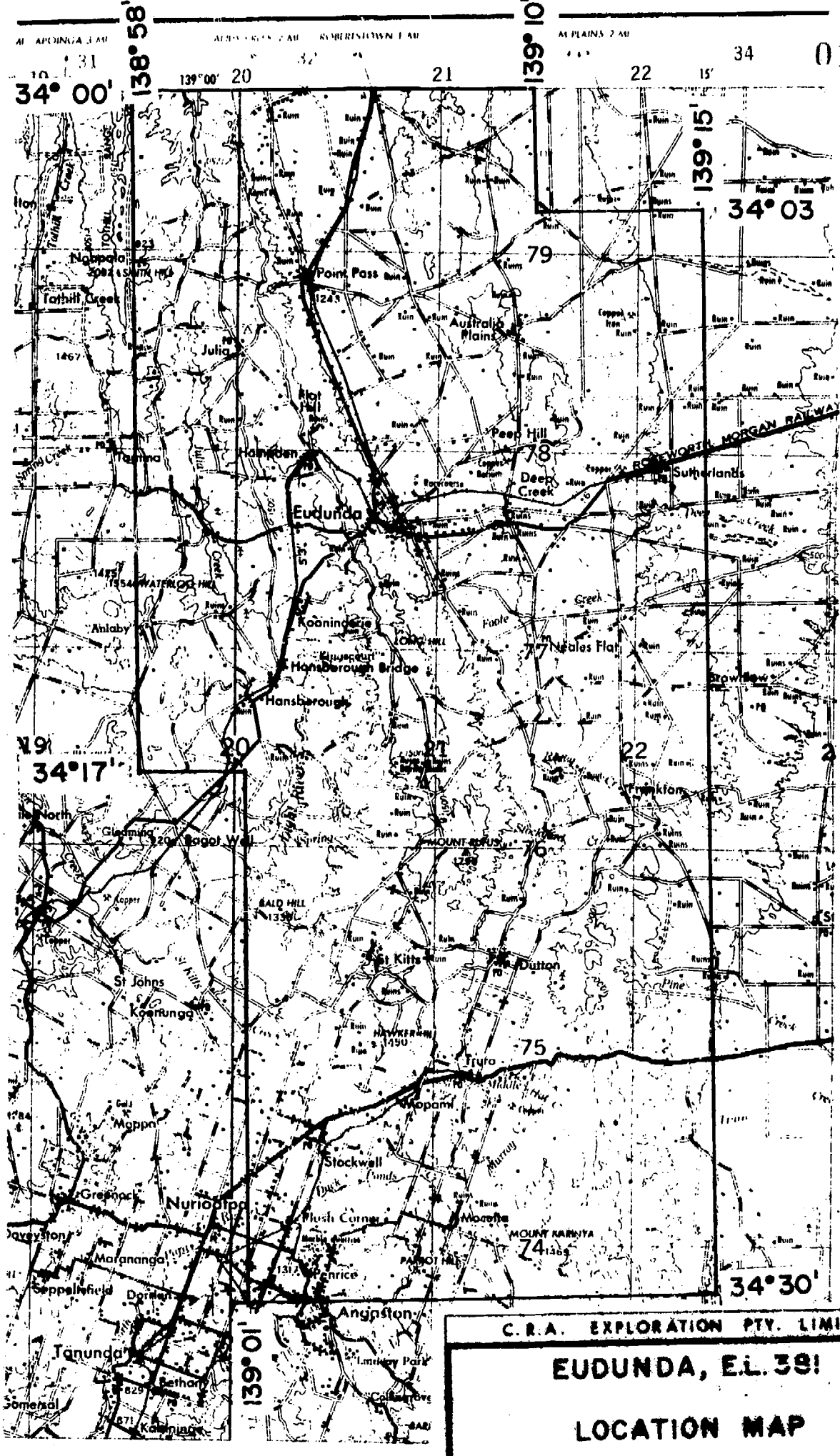
Thomson B.P. (1969) — Adelaide 1:250,000 Sheet Geol Atlas of S.A. Geol. Surv. of S.A.

KEYWORDS

Locality: Adelaide sl 54-9.

Adelaidean, Cambrian, lead, zinc, copper, shale, arkose, volcanics, stream sediment, geochemistry, rock chip sampling.

012



C.R.A. EXPLORATION PTY. LIMITED

EUDUNDA, E.L. 381

LOCATION MAP

Ref: ADELAIDE SI 54-9	Scale: 1 250,000.
Geol: D.O.M.	Report No:
Drawn: G.D.K.	Plan No: SAa 107.

LIST OF ATTACHMENTS

Plan SAa 107 Locality map Scale 1:250,000.

C.R.A. EXPLORATION PTY. LIMITED

FINAL REPORT FOR THE RELINQUISHED PORTION OF EUDUNDA E.L. 381 S.A.

AUTHOR: D.O. MASON, T.E. MAYER

SUBMITTED TO: D.O. MASON

DATE: 10th August, 1978

CONTENTS PAGE

1. SUMMARY

This is the final report on that portion of E.L. 381 which is to be relinquished. Following a review of the S.A. Mines Department geochemical exploration of the Adelaide 1:250,000 sheet data, and perusal of relevant open file data (Mason, D.O., 1978), the Eudunda Arkose and the Karinya Shale were selected as prospective horizons. Soil sampling was carried out over both these units. The results of these surveys gave no encouragement for further exploration.

2. INTRODUCTION

Eudunda E.L. 381 covering an area of 1295 km^2 was granted to C.R.A. Exploration Pty. Limited on 25th January, 1978 for the term of one year. This report deals with work carried out in the area to be relinquished, i.e. the western and northern portions of E.L. 381 (Plan No. SAa 107).

3. CONCLUSIONS AND RECOMMENDATIONS

Soils overlying the Eudunda Arkose and Karinya Shale within the area to be relinquished are characterised by very low base metal contents. It is concluded that ore bodies are unlikely to exist within these horizons in this area. Further exploration is not recommended.

4. SOIL SAMPLING

Soil sample surveys were carried out over the Eudunda Arkose and the Karinya Shale. A hand auger was used to sample C horizon soils.

4.1 EUDUNDA ARKOSE

Twenty-four soil sample traverses comprising 355 samples were taken over the Eudunda Arkose on the Truro, Eudunda and Riverton 1:50,000 sheet areas. Samples were taken at 50 m intervals on traverses approximately 2 km apart. All samples were pulverised and analysed for Pb, Zn, Cu and Ag by A.A.S. Gamma radiation was measured with a Scintrex Scintillometer at each sample location. Frequency histograms have been

plotted for lead, zinc and copper data (Tables 1-3). Base metal values, particularly lead and copper, were very low, the few high values being single sample anomalies. Although it was recognized that a subsoil calcrete horizon encountered on some traverses in the northern part of the survey may have influenced metal values in the overlying soils, the overall low values suggest that further exploration of this horizon is not warranted.

4.2 KARINYA SHALE

An orientation soil survey was undertaken over the Karinya Shale. Two traverses, K18 and K19, lie within the area to be relinquished. Soil samples were taken at 50 m intervals, pulverised and analysed for Pb, Zn, Cu, and U. Gamma radiation was measured at each sample location. Maximum values of 25 ppm Pb, 60 ppm Zn, 35 ppm Cu, 6 ppm U and 34 gamma c.p.s. were recorded. Further exploration is not recommended.

D.O. Mason

D.O. MASON

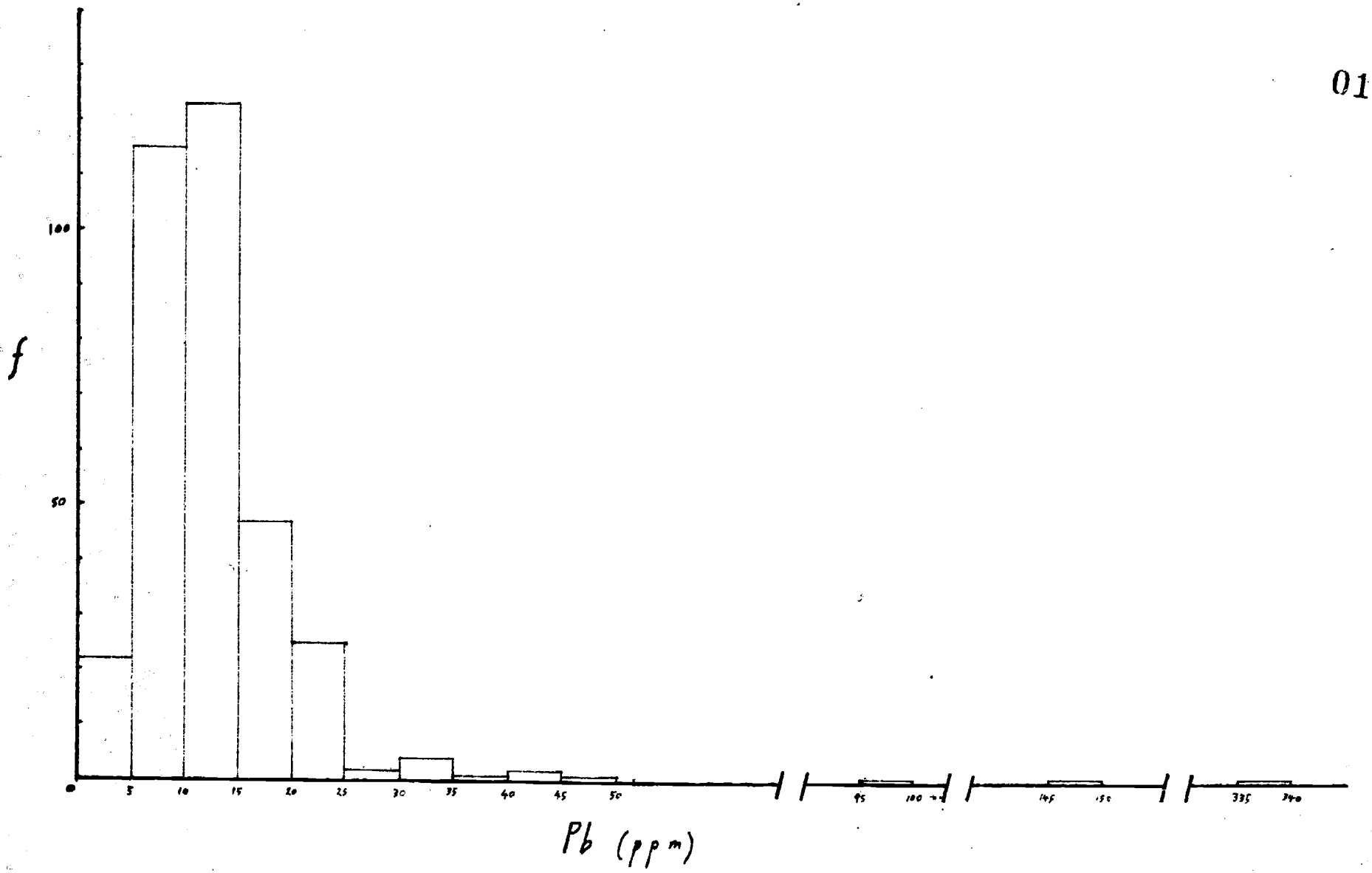


Table 1. Eudunda Arkose Lead Data

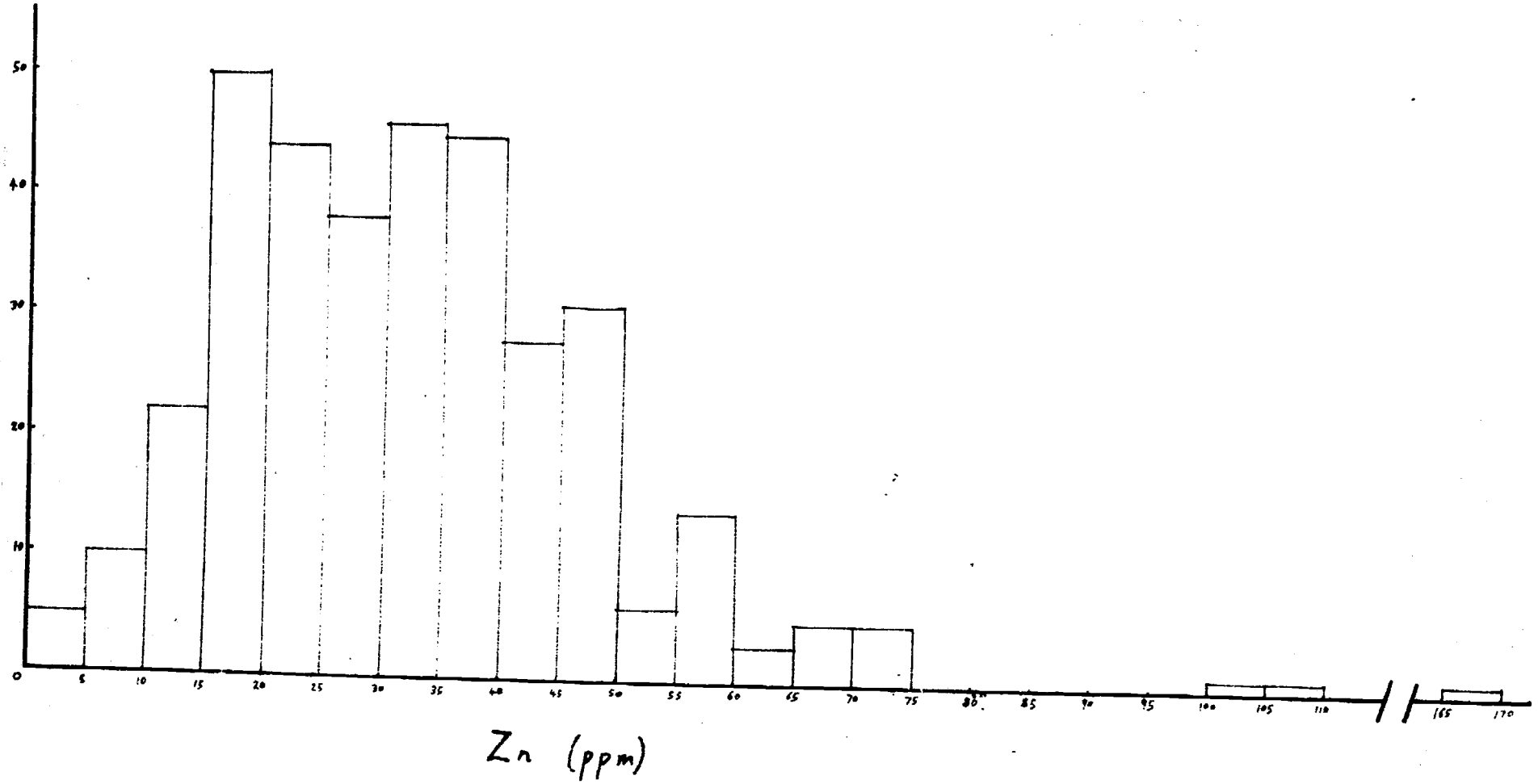


Table 2. Eudunda Arkose Zinc Data

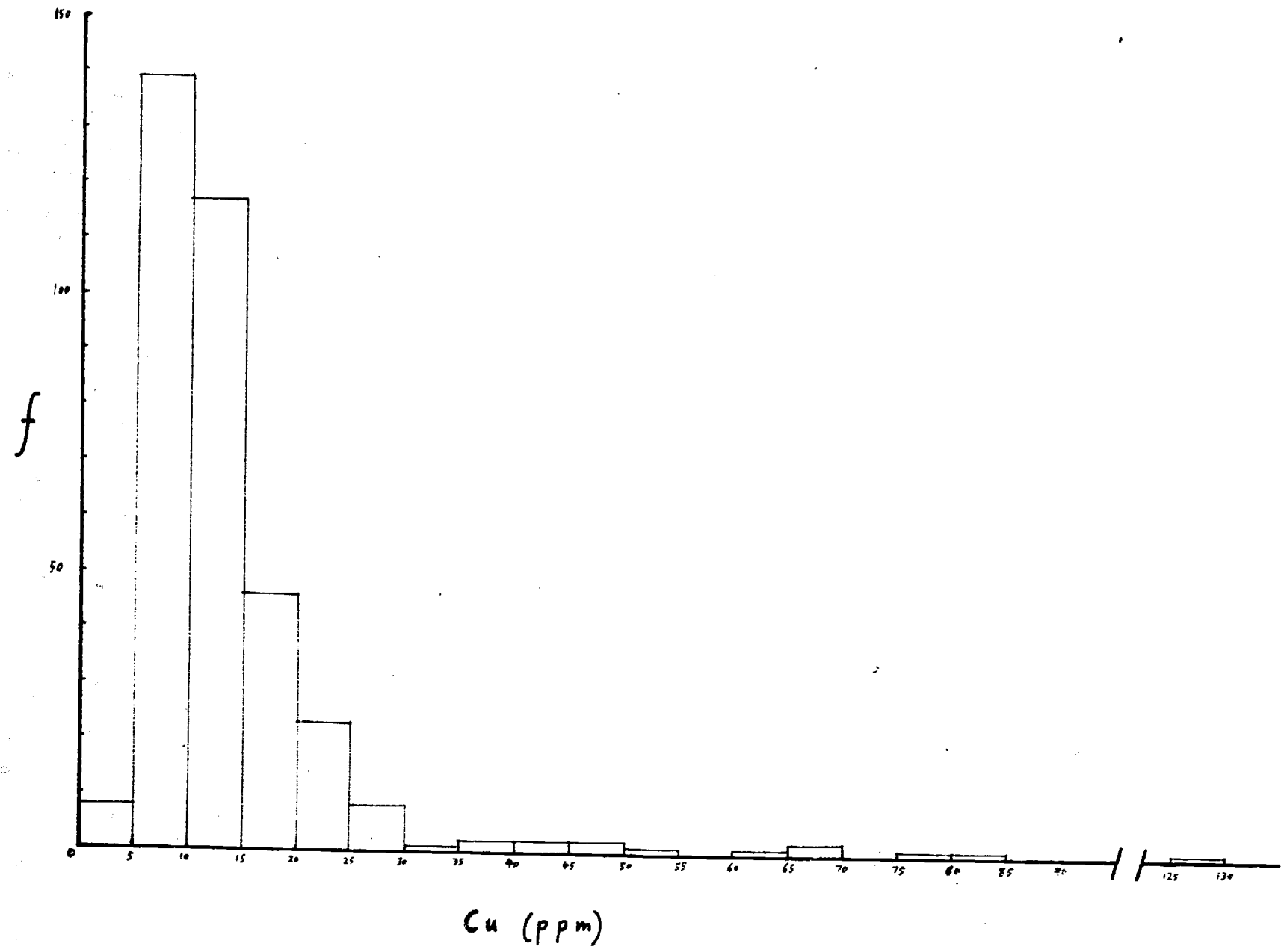


Table 3. Eudunda Arkose Copper Data

REFERENCE

Mason, D.O., 1978. Report on Eudunda E.L. 381 S.A. for quarter ending 25th April 1978.

KEYWORDS

Locality: S 1 54-9
Adelaidean, Cambrian, Eudunda Arkose, Karinya Shale, lead, zinc, copper, silver, uranium, soil sampling.

LIST OF ATTACHMENTS

Appendix 1	Geochemical Soil Sampling Ledger	
Plan SAa 107	Location Map	1:250,000
Plan SAa 214	Soil Traverse Locations: Sheet 1 (Eudunda)	1:50,000 approx.
Plan SAa 215	Soil Traverse Locations: Sheet 2 (Truro)	1:50,000 approx.

APPENDIX 1

SOIL SAMPLE LEDGERS

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

AREA/PROSPECT EUDUNDA SAMPLE Nos.

PLAN REFERENCE [illegible]

A 9096

Page No.

D.P.O. No. B0CDS

GEOLOGIST Z.C. DATE [illegible]

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	Ni	Sc [illegible]	Geological observations
EUDUNDA [illegible]	698753	5	0	20	50	25	C	20	Br	-	✓	100+	15	35	16	1	36	34	Decomp. siltstone [illegible] ([illegible] Volc.)
[illegible]	754	0	0	0	60	40	C	20	Br	-	✓	100+	18	48	25	1	43	40	Ditto
[illegible]	755	0	0	0	60	35	C	20	Br	[illegible]	✓	100+	18	38	44	<1	80	26	"
[illegible]	756	0	0	0	50	50	C	20	Br	-	✓	100+	12	50	30	1	77	22	"
	757	0	0	0	60	40	C	20	Br	-	✓	100+	15	43	30	<1	83	22	
	758	5	0	0	45	50	C	20	Br	-	✓	100+	15	33	23	<1	56	24	"
	759	0	0	0	60	40	C	20	R.br	-	✓	100+	14	33	18	<1	46	30	"
	698 760	5	0	0	55	40	C	20	R.br	-	✓	100+	16	40	14	<1	38	26	"
	761	20	0	10	40	30	C	20	Br	-	-	50	46	45	14	<1	41	32	Decomp. siltstone with [illegible]
	762	15	5	0	50	30	C	20	Br	-	✓	50	12	21	13	<1	30	34	Ditto
	763	0	0	0	60	40	C	20	R.br	-	✓	100+	8	16	10	<1	21	30	Decomp. siltstone
	764	10	0	10	40	40	C	20	Br	-	✓	100+	8	9	27	<1	19	25	Ditto [illegible]
	765	10	0	0	50	40	C	20	Br	-	✓	50	8	9	14	<1	23	3[illegible]	Decomp. siltstone
	766	100	-	-	-	-	-	-	Grey Br	✓	-	-	16	40	70	<1	94	34	[illegible]
	767	0	0	0	60	40	C	20	Br	-	✓	50	8	14	8	<1	16	25	Decomp. [illegible]
	768	10	0	0	50	40	C	20	Br	-	✓	50	7	9	7	<1	15	28	Ditto [illegible]
	769	20	0	10	30	40	C	20	Dark Br	-	✓	50	8	7	9	<1	15	32	Decomp. [illegible]
	698 770	10	0	10	40	40	C	20	[illegible]	-	✓	30	10	11	24	<1	35	34	Ditto [illegible]
	771	10	0	10	40	40	C	20	Br	-	✓	30	6	5	6	<1	12	32	Decomp. [illegible]
	772	30	0	10	20	35	C	20	Br	-	✓	30	6	5	18	<1	15	30	Ditto
	698773	15	5	10	40	30	C	20	Br	-	✓	30	6	9	9	<1	17	22	Ditto

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381
AREA/PROSPECT Eudunda
PLAN REFERENCE Truro 1:50000
A 9005

SAMPLE Nos.

Page No.
D.P.O. No. B0005
GEOLOGIST T.E.M. DATE May 78
ANALYSED BY Z.C

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	Ni	[illegible]	Geological observations
Eudunda 1	632774	10	0	20	40	30	C	20	Br	–	✓	50	7	11	7	<1	17	28	[illegible]
(cont.)	632775	25	0	15	40	20	C	20	Gr. Br	–	✓	50	8	7	11	1	25	30	Ditto.

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

AREA/PROSPECT Eudunda

SAMPLE Nos.

PLAN REFERENCE Truro 1:50 000

A 9006

Page No.

D.P.O. No. B0006

GEOLOGIST [illegible] DATE May '78

ANALYSED BY [illegible]

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag		[illegible]	Geological observations
Eudunda	698907	20	0	10	40	30	C	20	Yel Br	-	✓	40	15	50	15	1		32	Decomp siltstone
Soil Traverse 5	908	20	0	10	40	30	C	20	" "	-	✓	40	23	42	47	1		28	Ditto with [illegible] fragments
W→E	909	30	0	10	40	20	C	20	Br	-	✓	40	6	16	17	<1		32	" " "
(50m intervals)	698910	20	0	10	40	30	C	20	Br	-	✓	50	6	16	12	<1		30	Decomp siltstone
	911	20	0	20	30	30	C	20	Br	-	✓	30	10	19	14	<1		30	Decomp [illegible]
	912	20	0	20	30	40	C	20	Br	-	✓	30	41	72	21	<1		[illegible]	Ditto
	913	20	0	20	30	30	C	20	Br	-	✓	30	10	19	9	<1		32	"
	914	20	0	10	40	30	C	20	Br	-	✓	40	8	45	25	<1		32	Decomp siltstone
	915	10	0	10	60	30	C	20	Br	-	✓	40	8	23	12	<1		30	Ditto
	916	0	0	10	60	30	C	20	Br	-	✓	60	6	18	9	<1		32	"
	917	10	0	20	40	30	C	40	Yel Br	-	✓	50	13	18	14	<1		31	Decomp sandy siltstone
	918	30	0	10	40	20	C	20	Br	-		60	8	21	17	<1		30	Decomp siltstone
	919	10	0	20	40	30	C	20	Br	-	✓	50	3	16	24	<1		35	" sandy "
	698920	100	-					-	R Br	✓		-	340	168	130	1		34	Ferrug. siltstone and gossan o/c & subcrop
	921	20	0	0	50	30	C	20	Br	-	✓	40	150	31	79	<1			Decomp siltstone
	922	10	0	0	60	30	C	20	Br	-	✓	40	21	36	27	<1		40	Ditto
	923	100	-						Gr Br	✓	-	-	8	13	9	<1		22	Dolomitic siltstone
	924	30	0	0	40	30	C	20	Wh Br	-	✓	30	21	21	20	2		"	Decomp " " with calcrete
	925	10	0	0	50	40	C	20	Br	-	✓	40	11	21	11	1		32	Decomp siltstone
	926	10	0	0	60	30	C	20	Br	-	✓	30	11	18	14	<1		35	Ditto
	698927	20	0	0	50	30	C	20	Br	-	✓	60	9	18	10	<1		40	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT ELDUNDA SAMPLE Nos.

D.P.O. No. B 0006

PLAN REFERENCE TAMBO 1:50 000 PHOTO MOSAIC

GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint. C.P.S.	
Eldunda	698951	10	0	10	50	30	C	20	Br	—	✓	50	11	11	15	<1		30	Decomp. sandy siltstone
Soil Line 6	2	30	0	10	40	20	C	20	"	—	✓	50	8	24	83	<1		26	Ditto
(Sample int = 50m	3	10	0	30	40	20	C	20	"	—	✓	60	6	11	8	<1		30	"
	4	10	0	30	40	20	C	20	"	—	✓	60	8	18	13	<1		24	"
S→N	5	0	0	40	30	30	C	20	"	—	✓	80	6	16	13	<1		34	Decomp. arkose(?)
	6	0	0	40	30	30	C	20	"	—	✓	80	8	13	12	<1		35	Ditto
	7	0	0	30	40	30	C	20	"	—	✓	100	6	42	23	<1		34	"
	8	0	0	30	40	30	C	20	"	—	✓	100	8	29	14	<1		33	"
	9	0	0	30	40	30	C	20	"	—	✓	80	6	34	20	<1		34	"
	698960	30	0	10	40	20	C	20	"	—	✓	80	6	45	29	<1		35	Decomp. sandy siltstone
	698961	0	0	30	40	30	C	20	"	—	✓	100	8	21	11	<1		31	Ditto

TENEMENT E L 381 **GEOCHEMICAL SOIL SAMPLING LEDGER**

D.P.O. No. Boo6 **Page No.** 027

AREA/PROSPECT Eudunda **SAMPLE Nos.**

GEOLOGIST T.F.C. **DATE** May '78

PLAN REFERENCE Eudunda 1:250,000

ANALYSED BY Z.C.

Area

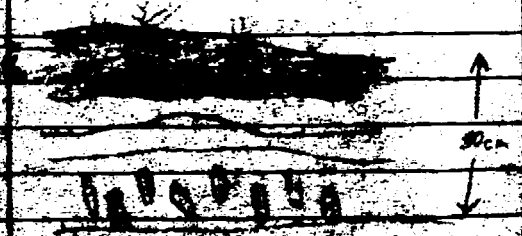
Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag		Scint. C.P.S	Geological observations
Eudunda	698928	70	0	0	40	30	C	20	Lt Br	–	✓	50	10	34	20	<1		30	Decomp. white siltstone
Soil Line 7	929	0	0	0	60	40	C	20	R-br	–	✓	60	15	34	10	<1		25	Decomp. siltstone ?!
E → W	698930	10	0	0	60	30	C	20	Br	–	✓	80	13	31	10	<1		20	Ditto
(Sample Interval)	931	0	0	0	60	40	C	20	Br	–	✓	50	15	36	11	<1		20	"
50 m	932	10	0	0	60	30	C	20	Br	–	✓	50	28	50	19	1		21	"
	933	20	0	0	50	30	C	20	Br	–	✓	60	21	36	13	1		22	" + calcrete fragments
	934	0	0	0	60	40	C	20	Br	–	✓	60	15	47	14	<1		27	Decomp. siltstone ?!
	935	0	0	10	50	40	C	20	Br	–	✓	60	15	42	13	<1		30	Ditto
	936	20	0	20	40	20	C	20	Gr. Br.	–	✓	60	13	47	52	<1		29	Decomp. bedded arkose
	937	0	0	0	70	30	C	20	Br	–	✓	60	19	53	17	<1		26	Decomp. siltstone ?
	938	10	5	0	60	25	C	20	Br	–	✓	80	19	50	17	<1		27	Ditto + calcrete

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381 — Page No. .....
AREA/PROSPECT EUDUNDA — SAMPLE Nos. ..... — D.P.O. No. B0006
PLAN REFERENCE EUDUNDA 1:50 000 — GEOLOGIST T.E.M. DATE May '78
ANALYSED BY Z.C.

A 9005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		SCINT. C.P.S.	
EUDUNDA	698939	0	5	0	65	30	C	20	Br	-	✓	60	21	42	17	<1		24	Decomp siltstone (?)
SOIL LINE 8	698940	10	5	0	60	25	C	20	Br	-	✓	60	21	42	15	<1		23	Decomp siltstone
E→V	941	10	0	20	40	30	C	20	Br	-	✓	60	21	45	19	<1		32	" sandy "
Sample Interval	942	0	0	0	70	30	C	20	Br	-	✓	60	19	45	18	<1		25	" siltstone
= 50m	943	80	0	10	10	0	C	80	Grey Br	✓	-	-	21	39	14	1		22	Decomp sandy siltstone (Ferruginous)
	944	90	0	10	10	0	C	40	Grey	✓	-	-	17	57	20	<1		26	Ditto
	945	20	5	10	40	25	C	20	Br	-	✓	60	17	34	15	1		33	Decomp sandy siltstone + calcrete
	946	20	5	10	40	25	C	20	Br	-	✓	60	34	50	17	<1		26	Ditto
	947	20	5	10	40	25	C	20	Br	-	✓	60	41	50	17	1		28	"
	948	10	0	0	60	30	C	20	Br	-	✓	60	28	39	14	1		26	Decomp siltstone + calcrete
	949	10	0	0	60	30	C	20	Br	-	✓	60	17	47	14	<1		27	Ditto
	698950	10	0	0	60	30	C	20	Br	-	✓	60	12	57	14	<1		28	"



029

TENEMENT E.L 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No. ....

AREA/PROSPECT EXDUNDA — SAMPLE Nos. .... — D.P.O. No.* B0006

PLAN REFERENCE RIVERTON 1:50000 — GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

A 9958

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EXDUNDA	698962	0	0	20	50	30	C	20	Br	–	✓	80	8	18	7	<1		20	Decomp. sandy siltstone.
Soil Line 9	963	10	0	20	40	30	C	20	Br	–	✓	80	8	11	7	<1		22	Ditto.
S → N	964	10	0	20	50	20	C	20	Br	–	✓	80	15	21	10	<1		24	"
Sample Interval	965	10	0	10	50	30	C	20	Br	–	✓	80	15	26	12	<1		28	"
= 50m.	966	0	0	30	40	30	C	20	Br	–	✓	80	9	16	7	<1		22	"
	967	0	0	30	40	30	C	20	Br	–	✓	80	10	18	8	<1		34	"
	968	0	0	20	50	30	C	20	Br	–	✓	80	25	32	23	<1		25	"
	698969	0	0	30	40	30	C	20	Br	–	✓	80	17	20	10	1		21	"
	698970	0	0	10	50	40	C	20	Br	–	✓	100	13	16	11	<1		24	Decomp. siltstone (?)
	971	0	0	0	70	30	C	20	Br	–	✓	100	23	23	11	<1		19	Ditto
	972	0	0	20	50	30	C	20	Br	–	✓	100	18	16	8	<1		17	Decomp. arkose (?)
	973	0	0	10	50	40	C	20	Br	–	✓	80	23	37	19	1		25	" siltstone
	974	0	0	10	50	40	C	20	Br	–	✓	70	17	18	9	<1		21	Ditto
	975	0	0	10	50	30	C	20	Br	–	✓	70	10	25	14	<1		25	"
	976	0	0	20	50	30	C	20	Br	–	✓	70	10	28	10	<1		23	Decomp. sandy siltstone
	977	0	0	20	50	30	C	20	Br	–	✓	70	37	60	25	<1		20	Ditto
	978	0	0	0	70	30	C	20	Br	–	✓	80	13	27	11	<1		19	Decomp. siltstone (?)
	979	0	0	20	50	30	C	20	Br	–	✓	80	13	16	8	<1		19	" sandy "
	698980	0	0	20	50	30	C	20	Br	–	✓	100	15	25	11	<1		20	Ditto
	981	0	0	10	50	40	C	20	Br	–	✓	100	23	37	15	<1		25	"
	698982	0	0	0	60	40	C	20	Br	–	✓	100	20	29	11	1		20	Decomp. siltstone

GEOCHEMICAL SOIL SAMPLING LEDGER

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TENEMENT E.L. 381 — D.P.O. No.* B0006 — Page No.

AREA/PROSPECT EUDUNDA — SAMPLE Nos. — GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE RIVERTON 1:50000 — ANALYSED BY ZC

A 2086

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT C.P.S	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	698983	0	0	10	50	40	C	20	Br	–	✓	100	17	32	16	1		29	Decomp siltstone(?)
Soil Line 9	984	20	0	10	40	30	C	20	Br	–	✓	80	15	57	17	1		26	" sandy "
(Cont.)	985	0	0	20	50	30	C	20	Br	–	✓	80	20	37	14	<1		21	Ditto
	986	0	0	20	50	30	C	20	Br	–	✓	100	8	16	8	<1		25	"
	987	0	0	20	50	30	C	20	Br	–	✓	100	16	30	10	1		22	"
	988	0	0	20	50	30	C	20	Br	–	✓	100	20	32	23	1		24	"
	989	0	5	10	55	30	C	20	Br	–	✓	100	23	68	22	1		23	"
	698 990	0	0	0	60	40	C	20	Br	–	✓	100	15	22	11	1		22	Decomp siltstone(?)
	991	0	0	0	60	40	C	20	Br	–	✓	100	20	36	10	1		25	Ditto
	992	0	0	10	40	50	C	20	Br	–	✓	100	25	36	16	1		17	"
	993	0	0	10	70	20	C	20	Br	–	✓	100	13	17	7	1		27	"
	994	0	0	10	60	30	C	20	Br	–	✓	100+	13	15	6	1		22	"
	995	0	0	10	60	30	C	20	Br	–	✓	100+	20	25	32	1		20	"
	996	0	0	20	60	20	C	20	Br	–	✓	100+	8	17	8	<1		18	Decomp sandy siltstone
	997	20	0	20	40	30	C	20	Br	–	✓	60	10	37	14	<1		22	Ditto
	998	20	0	20	40	30	C	20	Br	–	✓	60	10	23	10	<1		20	"
	698 999	0	0	0	60	40	C	20	Br	–	✓	80	13	31	15	1		24	Decomp siltstone(?)
	699 000	0	0	20	50	30	C	20	Br	–	✓	100	13	38	16	1		19	Decomp sandy siltstone(?)
	001	0	0	10	60	30	C	20	Br	–	✓	60	18	25	14	1		20	Ditto
	002	0	0	10	40	50	C	20	Br	–	✓	60	10	22	9	<1		28	"
	003	0	0	10	70	20	C	20	Br	–	✓	60	18	24	12	<1		29	Decomp sandy siltstone

GEOCHEMICAL SOIL SAMPLING LEDGER

031 Page No.

TENEMENT E L 381 D.P.O. No. B0006

AREA/PROSPECT EUDUNDA SAMPLE Nos.

GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE RIVERTON 1:50 000 ANALYSED BY Z.C.

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint c.p.s.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700404	10	0	20	50	20	C	20	Br	-	✓	40	8	24	11	<1		20	Decomp sandy siltstone.
SOIL LINE 9	405	0	0	20	70	10	C	20	Br	-	✓	40	8	14	8	<1		28	Ditto
(Cont.)	406	0	0	20	60	20	C	20	Br	-	✓	40	4	14	7	<1		19	"
	407	0	0	20	50	30	C	20	Br	-	✓	60	8	15	7	<1		24	"
	408	0	0	20	50	30	C	20	Br	-	✓	60	23	22	11	1		24	"
	409	0	0	20	50	30	C	20	Br	-	✓	60	15	18	9	<1		22	"
	700410	0	0	20	50	30	C	20	Br	-	✓	60	15	18	9	1		21	"
	411	0	0	0	60	40	C	20	Br	-	✓	50	20	31	14	1		24	Decomp siltstone (?)
	412	0	0	20	40	40	C	20	Br	-	✓	50	10	22	11	<1		23	" sandy "
	413	0	0	0	70	30	C	20	Br	-	✓	50	10	12	8	<1		22	Decomp siltstone
	414	0	0	10	60	30	C	20	Br	-	✓	50	13	16	9	<1		24	Ditto
	415	10	0	10	50	30	C	20	Br	-	✓	60	13	17	8	<1		20	"
	416	0	0	0	70	30	C	20	Br	-	✓	60	13	15	9	<1		22	"
	417	0	0	10	60	30	C	20	Br	-	✓	60	13	17	9	<1		23	"
	418	0	0	0	70	30	C	20	"	-	✓	80	13	25	11	<1		20	"
	419	0	0	0	70	30	C	20	"	-	✓	80	17	36	19	1		19	"
	700420	0	0	0	60	40	C	20	"	-	✓	60	20	68	23	1		22	"
	421	20	0	0	50	30	C	20	"	-	✓	40	33	68	26	1		24	"
	422	0	0	0	60	40	C	20	"	-	✓	60	28	68	33	<1		25	"
	423	0	0	0	70	30	C	20	"	-	✓	50	20	50	22	<1		326	"
	700424	0	0	0	70	30	C	20	"	-	✓	60	13	34	16	1		50	"

032

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381
AREA/PROSPECT EUDUNDA
SAMPLE Nos.
PLAN REFERENCE RIVERTON 1:50 000
A

D.P.O. No. B0006 Page No.
GEOLOGIST T.E.M. DATE May 78
ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag		Scint. C.P.S.	Geological observations
Eudunda	700 425	0	0	0	60	40	C	20	Br	–	✓	60	20	44	23	1		24	Decomp siltstone
Soil Line 9	426	20	0	0	50	30	C	20	Br	–	✓	50	8	47	15	1		21	Ditto
(Contd)	427	0	0	0	60	40	C	20	Br	–	✓	50	20	50	23	1		21	"
	428	20	0	0	50	30	C	20	Br	–	✓	40	15	66	22	<1		25	"
	429	0	0	0	70	30	C	20	"	–	✓	50	15	42	17	<1		28	"
	700 430	10	0	0	50	40	C	20	"	–	✓	25	23	44	18	1		25	"
	431	0	0	0	70	30	C	20	"	–	✓	40	13	28	18	1		20	"
	432	0	0	0	60	40	C	20	"	–	✓	30	13	23	11	<1		22	"
	700 433	0	0	0	70	30	C	20	"	–	✓	30	13	26	12	<1		24	"

TENEMENT E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No. 033 — D.P.O. No. B0006

AREA/PROSPECT EUDUNDA — SAMPLE Nos. — GEOLOGIST T.E.M. — DATE May '78

PLAN REFERENCE EUDUNDA 1:50000 — ANALYSED BY Z C

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint c.p.s.	
EUDUNDA	700434	0	0	C	70	30	C	20	Br	-	✓	100	13	26	11	<1		24	Decomp. siltstone?
SOIL LINE 10	435	0	0	0	70	30	C	20	Br	-	✓	100	13	26	12	1		30	Ditto
E→W	436	0	0	0	70	30	C	20	"	-	✓	100	13	31	19	<1		25	"
Sample No.	437	0	0	C	70	30	C	20	"	-	✓	80	12	24	8	1		28	"
50m	438	0	0	10	60	30	C	20	"	-	✓	70	7	21	3	1		19	"
	439	0	0	0	70	30	C	20	"	-	✓	70	11	18	6	<1		19	"
	700440	0	0	0	70	30	C	20	"	-	✓	60	8	16	5	<1		21	"
	441	20	0	0	60	20	C	20	"	-	✓	40	11	36	14	<1		23	Decomp. siltstone
	442	0	0	0	70	30	C	20	"	-	✓	40	8	21	8	<1		22	Ditto
	443	20	0	10	50	20	C	20	"	-	✓	30	8	18	5	<1		20	Decomp. sandy siltstone
	444	20	0	0	60	20	C	20	"	-	✓	30	11	24	9	<1		23	Decomp. siltstone
	445	0	0	0	70	30	C	20	"	-	✓	50	9	18	5	<1		26	Ditto
	446	0	0	0	70	30	C	20	"	-	✓	60	11	16	6	<1		25	"
	447	0	0	0	70	30	C	20	"	-	✓	60	12	24	8	<1		24	"
	448	0	0	10	60	30	C	20	"	-	✓	70	15	26	9	<1		23	"
	449	0	0	0	70	30	C	20	"	-	✓	70	19	39	12	<1		22	"
	700450	0	0	0	80	20	C	20	"	-	✓	80	17	36	12	<1		21	"
	451	0	0	0	70	30	C	20	"	-	✓	80	13	31	11	<1		24	"
	452	0	0	0	70	30	C	20	"	-	✓	70	16	31	9	<1		23	"
	453	0	0	0	80	20	C	20	"	-	✓	60	8	16	5	<1		28	"
	700454	0	0	C	80	20	C	20	"	-	✓	60	9	21	6	<1		18	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No. .....

D.P.O. No. 034 B0006

AREA/PROSPECT EUDUNDA SAMPLE Nos .....

GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE EUDUNDA 1:50000

ANALYSED BY R.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Grnt c.p.s.	
EUDUNDA	700455	0	0	0	70	30	C	20	Br	–	✓	60	6	16	6	<1		18	Decomp. siltstone
Soil Line 10	700456	0		0	70	30	C	20	Br	–	✓	40	8	19	6	<1		20	Ditto
(Cont.)																			

TENEMENT E.L 381

GEOCHEMICAL SOIL SAMPLING LEDGER

035 B0006 Page No.

D.P.O. No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

GEOLOGIST T.E.B. DATE May '78

PLAN REFERENCE Eudunda 1:50 000

ANALYSED BY Z.C.

A3005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag		Sum c.p.s.	
EUDUNDA	700457	0	0	0	70	30	C	20	Br	–	✓	80	19	39	12	<1		24	Deep red subsoil
SOIL LINE II	458	0	0	0	70	30	C	20	Br	–	✓	80	13	26	10	<1		26	Ditto
W→E	459	0	0	0	80	20	C	20	Br	–	✓	90	13	26	10	<1		23	"
(Sample line	700460	0	0	0	70	30	C	20	Br	–	✓	80	15	34	12	<1		22	"
= 60m)	461	10	0	0	60	30	C	20	Br	–	✓	70	15	38	12	<1		24	"
	462	20	0	0	60	20	C	20	Br	–	✓	70	15	29	12	<1		27	"
	463	10	0	0	60	30	C	20	Br	–	✓	70	13	29	8	<1		20	"
	464	0	0	0	70	30	C	20	Br	–	✓	70	11	47	12	<1		26	"
	465	20	0	0	60	20	C	20	Br	–	✓	60	8	34	7	1		23	"
	466	30	0	0	50	20	C	20	"	–	✓	30	6	31	7	1		26	"
	467	20	0	0	60	20	C	40	Lt-Br	–	✓	50	13	42	13	1		24	"
	468	5	0	0	65	30	C	20	Br	–	✓	60	11	29	8	1		27	"
	469	10	0	0	60	30	C	20	Br	–	✓	60	8	26	6	1		20	"
	700470	0	0	0	70	30	C	20	Br	–	✓	60	19	50	13	1		24	"
	471	0	0	0	70	30	C	20	"	–	✓	70	15	36	13	1		23	"
	472	0	0	0	80	20	C	20	Br	–	✓	70	17	36	13	1		25	"
	473	20	0	0	60	20	C	20	"	–	✓	60	21	34	11	2		24	"
	474	20	0	0	60	20	C	20	Br	–	✓	40	21	36	14	2		22	"

TENEMENT E.L. 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** D.P.O. No. Q56 B0006 Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos. GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE EUDUNDA 1:50 000 ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint C.P.S.	
EUDUNDA	700475	20	0	0	60	20	C	20	Br	-	✓	50	19	31	10	2		25	Decomp. siltstone + calcrete
Soil Line 12	476	20	0	0	60	20	C	20	Br	-	✓	40	17	45	15	2		28	Decomp micaceous siltstone
E → W	477	0	0	0	70	30	C	20	Br	-	✓	40	13	36	8	1		26	Decomp. siltstone
Sample (at)	478	0	0	0	70	30	C	20	Br	-	✓	50	13	47	9	1		23	Ditto
- 50m	479	10	0	0	60	30	C	30	Br	-	✓	50	8	34	8	<1		21	"
	700480	10	0	0	60	30	C	20	Br	-	✓	50	7	26	8	<1		22	"
	481	10	0	0	60	30	C	20	Br	-	✓	40	13	37	11	<1		23	"
	482	0	0	0	70	30	C	20	Br	-	✓	50	13	39	9	<1		27	"
	483	30	0	0	50	20	C	20	"	-	✓	50	12	39	8	1		20	"
	484	30	0	0	50	20	C	20	"	-	✓	40	12	26	10	1		30	"
	485	0	0	0	70	30	C	20	"	-	✓	50	11	29	7	1		23	"
	486	10	0	0	60	30	C	20	"	-	✓	50	13	31	6	<1		21	"
	487	20	0	0	60	20	C	20	"	-	✓	40	15	34	9	<1		19	"

0137 Page No.

TENEMENT Eudunda E.L. 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** D.P.O. No. B 2006

AREA/PROSPECT Eudunda SAMPLE Nos. GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE Eudunda 1:50000 Photo mosaic ANALYSED BY Z.C.

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm					Scint. C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag			
Eudunda	700488	20	0	0	60	20	C	20	Br	-	✓	50	13	54	15	<1		32	Decomp. siltstone
Soil line 13	9	20	0	0	60	20	C	20	Gr-Br	-	✓	40	12	57	9	<1		36	Ditto
E→W.	700490	0	0	0	70	30	C	20	Br	-	✓	30	8	31	7	<1		30	"
Sample Int.	1	0	0	0	70	30	C	20	"	-	✓	50	11	39	10	<1		28	"
= 50m	2	30	0	0	50	20	C	10	Gr. Br	✓	-	-	6	50	10	<1		34	Decomp. & wthrd. siltstone
	3	30	5	0	45	20	C	10	" "	-	✓	15	6	50	13	<1		30	Decomp. & wthrd siltstone
	4	50	0	0	30	20	C	10	" "	-	✓	15	11	36	10	<1		31	Ditto
	5	20	0	0	60	21	C	15	Br	-	✓	20	11	39	7	<1		30	"
	6	30	0	0	50	20	C	20	Gr-Br	-	✓	30	8	54	14	<1		29	"
	7	30	0	0	50	20	C	20	Br	-	✓	30	8	34	8	<1		30	"
	8	20	0	0	60	20	C	20	"	-	✓	40	10	34	14	<1		32	Decomp. siltstone
	9	20	0	0	60	20	C	20	"	-	✓	40	11	38	17	1		29	Ditto
	700500	0	0	0	70	30	C	20	"	-	✓	50	8	29	8	1		32	"
	700501	40	0	0	40	20	C	20	"	-	✓	30	13	39	13	1		28	Wthrd. & decomp. siltstone.

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. 03800006 Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

PLAN REFERENCE RIVERTON 1:50000

GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700502	0	0	0	70	30	C	20	Br	-	✓	50	13	29	9	1		22	Decomp. siltstone
Soil Line 14	503	0	0	0	70	30	C	20	Br	-	✓	50	11	31	9	<1		26	Ditto
E→W	504	0	0	0	70	30	C	20	Br	-	✓	50	17	34	10	<1		22	"
Sample Interval	505	0	0	0	70	30	C	20	Br	-	✓	40	15	39	11	<1		36	"
~50m.	506	0	0	0	70	30	C	20	Br	-	✓	50	13	24	10	<1		25	"
	507	0	0	0	70	30	C	20	"	-	✓	60	13	26	10	<1		18	"
	508	0	0	0	70	30	C	20	Br	-	✓	80	13	26	11	<1		28	"
	700509	0	0	0	70	30	C	20	Br	-	✓	100	13	29	10	<1		26	

TENEMENT E.L 381

GEOCHEMICAL SOIL SAMPLING LEDGER

039. Page No.

D.P.O. No. B0006

AREA/PROSPECT EUDUNDA SAMPLE Nos.

GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE RIVERTON 1:50 000

ANALYSED BY Z.C.

A 2005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		C.P.S.	
EUDUNDA	7005:0	0	0	0	70	30	C	20	Br	-	✓	40	15	29	11	<1		27	Decomp siltst. &
SOIL LINE 15	511	0	0	0	60	40	C	20	Br	-	✓	50	15	31	11	<1		25	Dike
E → W	512	20	0	0	60	20	C	20	Br	-	✓	40	15	47	14	<1		25	"
Samples 1m.	513	0	0	0	70	30	C	20	Br	-	✓	50	12	36	12	<1		23	"
50m	514	0	0	0	70	30	C	20	Br	-	✓	60	12	31	10	<1		21	"
	515	0	0	0	60	40	C	30	Br	-	✓	70	11	29	10	<1		24	"
	516	0	0	0	70	30	C	20	Br	-	✓	70	19	34	13	<1		25	"
	700517	0	0	0	70	30	C	30	Br	-	✓	70	11	24	9	<1		20	"

TENEMENT E L 381

GEOCHEMICAL SOIL SAMPLING LEDGER

040

Page No.

D.P.O. No. B0006

AREA/PROSPECT EUDUNDA

SAMPLE Nos.

GEOLOGIST T.C.H. DATE May '78

PLAN REFERENCE EUDUNDA 1:50 000

A 9906

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint c.p.s.	
EUDUNDA	700518	0	0	0	70	30	C	20	Br	–	✓	60	15	36	10	<1		28	Decomp. siltstone
Soil Line 16	519	0	0	0	70	30	C	20	Br	–	✓	60	19	42	13	<1		23	Ditto
E→W	700520	0	0	0	60	40	C	20	Br	–	✓	50	17	31	10	<1		23	"
Sample Int.	521	0	0	0	70	30	C	20	Br	–	✓	60	15	26	9	<1		21	"
= 50m	522	0	0	0	50	50	C	20	Br	–	✓	70	23	36	12	1		26	"
	700523	0	0	0	70	30	C	20	Br	–	✓	70	23	34	11	<1		20	"
	700524	0	0	0	70	30	C	20	Br	–	✓	70	15	23	10	<1		22	"

TENEMENT E L 381 GEOCHEMICAL SOIL SAMPLING LEDGER Data No. B0006 Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos. GEOLOGIST E.E.M. DATE May '75

PLAN REFERENCE EUDUNDA 1:50 000 ANALYSED BY ZC

A 2086

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content, in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint C.P.S.	
EUDUNDA	700525	0	0	0	70	30	C	20	Br	-	✓	50	17	34	12	<1		21	Decomp. siltstone
SOIL LINE 17	526	5	0	0	65	30	C	20	Br	-	✓	40	12	42	13	<1		23	Ditto + calcrete
E → W	527	0	0	0	70	30	C	20	Br	-	✓	40	12	42	12	<1		19	Decomp. siltstone (opposite roadside quarry)
Sample Int.	528	10	0	0	60	30	C	20	Br	-	✓	40	10	47	12	<1		18	Ditto + calcrete
- 50m	529	0	0	0	80	20	C	20	Br	-	✓	50	15	42	13	<1		23	Decomp. siltstone
	700530	0	0	0	70	30	C	20	Br	-	✓	50	21	69	12	<1		30	Ditto
	700531	30	0	0	50	20	C	20	Br	-	✓	40	100	72	19	<1		25	"

042

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381

AREA/PROSPECT EUDUNDA

SAMPLE No.

PLAN REFERENCE EUDUNDA 1:50 000

D.P.O. No. B0006

Page No.

GEOLOGIST J.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag		Scint. C.P.S.	Geological observations
EUDUNDA	700532	10	0	0	60	30	C	20	Br	–	✓	40	19	47	17	<1		21	Decomp. siltstone & calcrete
Soil Line 18	533	20	0	0	50	30	C	20	Gr-Br	–	✓	40	12	63	25	1		21	Decomp. siltstone.
E→W.	534	20	0	0	60	20	C	20	" "	–	✓	40	34	54	19	<1		25	Ditto
Sample int.	535	20	0	0	60	20	C	20	" "	–	✓	40	25	47	66	1		20	" + calcrete
= 50m.	536	0	0	0	70	30	C	20	Br	–	✓	50	13	50	14	<1		20	Decomp. siltstone
	537	0	0	0	70	30	C	20	Br	–	✓	60	13	36	9	<1		25	Ditto
	538	0	0	0	70	30	C	20	Br	–	✓	60	11	39	10	<1		26	"
	700539	0	0	0	60	40	C	20	Br	–	✓	40	21	59	20	1		22	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

043 Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

D.P.O. No. 00006

PLAN REFERENCE RIVERTON 1:50000 GEOLOGIST T.E.M. DATE May 78

ANALYSED BY Z.C

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint. c.p.s.	
EUDUNDA	700540	0	5	0	65	30	C	20	Br	-	✓	50	17	42	17	<1		38	Decomp. siltstone.
SOIL LINE 19	541	0	0	0	50	50	C	20	Br	-	✓	50	19	47	14	1		24	Ditto
E→W	542	0	0	0	60	40	C	20	Br	-	✓	60	19	36	12	<1		23	"
Sample Int.	543	0	0	0	70	30	C	20	Br	-	✓	60	12	24	10	<1		27	"
= 50m.	544	0	5	0	65	30	C	20	Br	-	✓	60	17	29	11	<1		26	"
	545	0	0	0	80	20	C	20	Br	-	✓	60	15	24	10	<1		23	"
	546	0	0	0	70	30	C	20	"	-	✓	70	12	19	7	<1		23	"
	547	0	0	0	80	20	C	20	"	-	✓	80	15	23	8	<1		23	"
	548	10	0	10	60	30	C	20	Br	-	✓	80	23	24	8	<1		22	Decomp. sandy siltstone
	549	0	0	0	70	30	C	20	Br	-	✓	80	13	26	10	<1		20	Decomp. siltstone
	700550	0	0	0	70	30	C	20	Br	-	✓	80	13	21	8	<1		21	" "

TENEMENT E.L. 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** 044 Page No.

AREA/PROSPECT EUDUNDA D.P.O. No. B0006

SAMPLE Nos.

PLAN REFERENCE EUDUNDA 1:50,000 GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		SCINT. C.P.S.	
EUDUNDA	700551	0	0	0	70	30	C	20	Br	–	✓	50	17	50	17	<1		35	Decomp. siltstone
SOIL LINE 20	552	0	0	0	70	30	C	20	Br	–	✓	50	34	60	12	<1		27	Ditto
E→W	553	10	0	0	60	30	C	20	Br	–	✓	50	28	104	19	<1		32	" + calcrete
Sample Int.	554	30	0	0	50	20	C	20	Br	–	✓	30	17	72	14	<1		36	" " "
= 50m.	555	0	0	0	70	30	C	20	Br	–	✓	40	19	107	17	<1		30	Decomp. siltstone
	556	0	0	0	70	30	C	20	Br	–	✓	50	12	57	11	<1		29	Ditto
	557	20	5	0	50	25	C	20	Br	–	✓	50	13	50	23	<1		28	"
	558	10	5	0	55	30	C	20	Br	–	✓	50	15	54	14	<1		24	" + calcrete
	559	0	0	0	70	30	C	20	Br	–	✓	60	8	34	10	<1		20	Decomp. siltstone
	700560	0	0	0	70	30	C	20	"	–	✓	60	12	45	13	<1		28	Ditto
	700561	0	0	0	70	30	C	20	"	–	✓	70	15	50	15	<1		26	"

TENEMENT E.L 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — 045 — Page No.

AREA/PROSPECT EUDUNDA — SAMPLE Nos. — D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50 000 — GEOLOGIST T.E.M. DATE May '78

A 9006 — ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Eudunda	700562	0	0	0	70	30	C	20	Br	–	✓	70	8	39	13	1		23	Decomp. siltstone
Soil Line 21	563	0	0	0	70	30	C	20	Br	–	✓	70	6	39	13	<1		20	Ditto
NW–SE	564	0	0	0	70	30	C	20	Br	–	✓	70	6	42	12	<1		23	"
Sample Int. 50m.	565	20	0	0	60	20	C	20	G.Br	–	✓	40	5	69	41	<1		24	Decomp. & wthd. siltstone.
	566	10	0	0	70	20	C	20	Br	–	✓	50	8	63	19	<1		25	Decomp. siltstone + calcrete.
	567	20	0	0	60	20	C	20	Br	–	✓	50	8	69	18	<1		28	Decomp & wthd. siltstone.
	568	0	0	0	70	30	C	20	Br	–	✓	60	11	57	13	<1		26	Decomp siltstone.
	569	0	0	0	70	30	C	20	"	–	✓	70	12	47	11	<1		30	Ditto
	700570	0	0	0	70	30	C	20	"	–	✓	70	15	50	11	<1		27	"
	571	0	0	0	70	30	C	20	"	–	✓	70	15	42	12	<1		21	"

TENEMENT E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No. 045

AREA/PROSPECT EUDUNDA — SAMPLE Nos. — D.P.O. No. B0006

PLAN REFERENCE TRURO 1:50,000 A 2096 — GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700572	0	0	0	70	30	C	20	Br	–	✓	70	6	24	8	<1		27	Decomp. siltstone
SOIL LINE 22	573	0	0	0	70	30	C	20	"	–	✓	60	5	18	7	<1		21	Ditto.
E → W	574	0	0	20	50	30	C	20	"	–	✓	50	6	21	7	<1		28	Decomp. sandy siltstone
Sample Int.	575	30	0	0	40	30	C	20	"	–	✓	50	11	31	15	<1		20	Decomp. silty siltstone
= 50m	576	0	0	0	70	30	C	20	Br	–	✓	60	8	24	9	<1		25	Decomp siltstone.
	577	0	0	0	70	30	C	20	"	–	✓	70	11	29	10	<1		22	Ditto.
	578	0	0	0	70	30	C	20	"	–	✓	70	9	26	7	<1		24	"
	579	0	0	0	70	30	C	20	"	–	✓	70	7	29	7	<1		27	"
	700580	0	0	0	70	30	C	20	"	–	✓	70	13	45	9	<1		26	"
	581	0	0	0	70	30	C	20	"	–	✓	70	9	31	9	<1		25	"

TENEMENT E.L 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** Page No.

AREA/PROSPECT ELDUNDA SAMPLE Nos. D.P.O. No.* B0006

PLAN REFERENCE TRURO 1:50 000 GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint c.p.s.	
ELDUNDA	700582	0	0	0	70	30	C	20	Br	-	✓	60	6	21	9	<1		30	Decomp Siltstone.
20m L-NE 23	583	20	0	0	60	20	C	20	Br	-	✓	60	5	18	18	<1		28	Ditto.
E→W	584	0	0	0	60	40	C	20	Br	-	✓	60	12	36	18	<1		27	"
Sample Int = 50m.	585	0	0	0	70	30	C	20	"	-	✓	60	6	21	13	<1		27	"
	586	10	0	0	60	30	C	20	"	-	✓	60	5	21	10	<1		24	"
	587	10	0	0	60	30	C	20	"	-	✓	60	8	26	12	<1		27	"
	588	0	0	0	70	30	C	20	"	-	✓	70	10	31	19	<1		28	"
	589	0	0	10	60	30	C	20	"	-	✓	70	11	23	7	<1		25	"
	700590	20	0	10	50	20	C	20	"	-	✓	60	6	13	5	<1		27	Decomp arkose
	700591	0	0	0	70	30	C	20	"	-	✓	60	8	29	9	<1		29	Decomp siltstone.

GEOCHEMICAL SOIL SAMPLING LEDGER

048 Page No.

TENEMENT E.L. 381 D.P.O. No. B0006

AREA/PROSPECT EADUNDA SAMPLE Nos. GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE TRURC 1:50 000 ANALYSED BY Z.C

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Eadunda	700592	20	0	0	60	20	C	20	Br	–	✓	25	8	31	25	<1		30	Decomp. & mottled siltstone
Soil Line 24	593	10	0	0	60	30	C	20	Br	–	✓	30	7	19	21	<1		25	Ditto.
SW→NE	594	20	0	0	60	20	C	20	Br	–	✓	30	5	7	8	<1		28	"
Sample Int	595	20	0	0	60	20	C	20	Br	–	✓	30	8	24	64	<1		32	" (Mineral in Ferruc o/c)
= 50m.	596	0	0	0	70	30	C	20	Br	–	✓	40	11	11	13	<1		32	"
	597	0	0	0	70	30	C	20	Br	–	✓	50	8	14	11	<1		28	"
	598	10	0	0	60	30	C	20	"	–	✓	50	13	14	37	<1		36	"
	599	0	0	0	70	30	C	20	"	–	✓	50	8	16	23	<1		30	"
	700600	0	0	0	70	30	C	20	"	–	✓	50	8	24	27	<1		28	"

049

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: E.L. 381

AREA/PROSPECT: EUDUNDA

PLAN REFERENCE: TRURO 1:50 000

SAMPLE Nos.:

A.2095

D.P.O. No.: B0006

Page No.:

GEOLOGIST: T.F.M. DATE: May '78

ANALYSED BY: Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700701	20	0	0	60	20	C	20	Gr-Br	–	✓	40	6	26	17	<1		27	Decomposed pebbled siltstone
SOIL LINE 25	702	10	0	0	70	20	C	20	Br	–	✓	50	8	19	7	<1		30	Ditto
E → W.	703	30	5	0	45	20	C	20	Gr-Br	–	✓	25	5	19	13	<1		24	"
Sample int.	704	0	0	0	70	30	C	20	Br	–	✓	50	13	45	19	<1		32	Decomp. siltstone
= 50m.	705	0	0	0	70	30	C	20	Br	–	✓	50	6	45	8	<1		34	Ditto
	706	20	0	0	50	30	C	20	"	–	✓	50	5	54	8	<1		40	"
	700707	0	0	0	70	30	C	20	"	–	✓	60	8	75	13	<1		38	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. *B0006

Page No.

AREA/PROSPECT Eubunda

SAMPLE Nos.

GEOLOGIST T.E.M. **DATE** May '75

PLAN REFERENCE [illegible] 1:50000

ANALYSED BY [illegible]

A 3005

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag		Scint C.P.S.	Geological observations
Eubunda	700708	0	0	0	70	30	C	20	Br	-	✓	200+	8	16	9	<1		25	Decomp. siltstone (?)
Soil Line 25	709	0	0	0	70	30	C	20	Br	-	✓	200+	3	11	6	<1		25	Ditto
SW→NE.	700710	0	0	0	70	30	C	20	Br	-	✓	100+	4	11	9	<1		30	"
Sample	711	0	0	0	70	30	C	20	"	-	✓	100	3	11	5	<1		30	Decomp. siltstone
Int. = 50m	712	0	0	0	70	30	C	20	"	-	✓	90	3	7	6	<1		22	"
	713	0	0	0	70	30	C	20	"	-	✓	80	6	5	6	<1		20	"
	714	0	0	0	70	30	C	20	"	-	✓	70	5	1	6	<1		23	"
	715	0	0	0	60	40	C	20	"	-	✓	50	8	42	40	<1		27	"
	716	0	0	0	70	30	C	20	O-Br	-	✓	[illegible]	6	18	20	1		29	"
	700717	0	0	0	70	30	C	20	Br	-	✓	[illegible]	7	6	25	<1		30	"

(51)

Page No.

TENEMENT Eudunda E.L. 381 GEOCHEMICAL SOIL SAMPLING LEDGER D.P.D. No. B0011

AREA/PROSPECT Kanmantoo Shale SAMPLE Nos. GEOLOGIST T.E.M. DATE June '78

PLAN REFERENCE Tanunda 1:50000 Photo mosaic ANALYSED BY AMDEL

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U.	Elev. G.P.S.	
1	752019	0	0	10	50	40	C	20	Br	-	✓	80	12	25	15		4	30	Kanmantoo siltstone (?)
Kanmantoo	752020	0	0	10	50	40	C	20	"	-	✓	60	12	30	15		4	30	Ditto.
Line 18	1	10	0	10	50	30	C	20	"	-	✓	60	20	32	15		<4	34	Kanmantoo siltstone.
E→W	2	0	0	0	60	40	C	20	"	-	✓	70	10	25	12		<4	30	Ditto
Sample int.	3	0	0	0	40	60	C	40	R-Br	-	✓	70	25	25	15		<4	32	Kanmantoo shale (?)
= 50m.	4	0	0	0	40	60	C	40	R-Br	-	✓	70	25	60	35		4	32	Ditto
	752025	0	0	0	40	60	C	40	R-Br	-	✓	70	18	35	20		4	28	"

052

TENEMENT Eudunda E.L. 381 — **GEOCHEMICAL SOIL SAMPLING LEDGER** — Page No.

AREA/PROSPECT Kerinya Shale — SAMPLE Nos. — D.P.O. No. B0011

PLAN REFERENCE Truro 1:50 000 — GEOLOGIST T.E.M. DATE June '78

A 9006 — ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	Sc w/t E.P.S	
Kerinya	752026	10	0	10	50	30	C	20	Br	–	✓	80	15	35	15		4	24	Soil from above calcrete layer
Line 19	7	10	0	10	50	30	C	20	"	–	✓	80	20	40	18		6	20	Data
E→W	8	0	0	20	50	30	C	20	"	–	✓	80	18	32	12		<4	25	"
Sample int.	9	0	0	20	50	30	C	20	"	–	✓	80	15	35	18		6	24	"
= 50m	752030	5	0	30	40	25	C	20	"	–	✓	80	10	28	12		4	26	"
	1	0	0	20	40	40	C	20	"	–	✓	80	18	30	15		4	24	"
	2	0	0	20	40	40	C	20	"	–	✓	80	15	35	15		6	22	"
	752033	10	0	20	40	30	C	20	"	–	✓	80	15	35	18		4	25	"

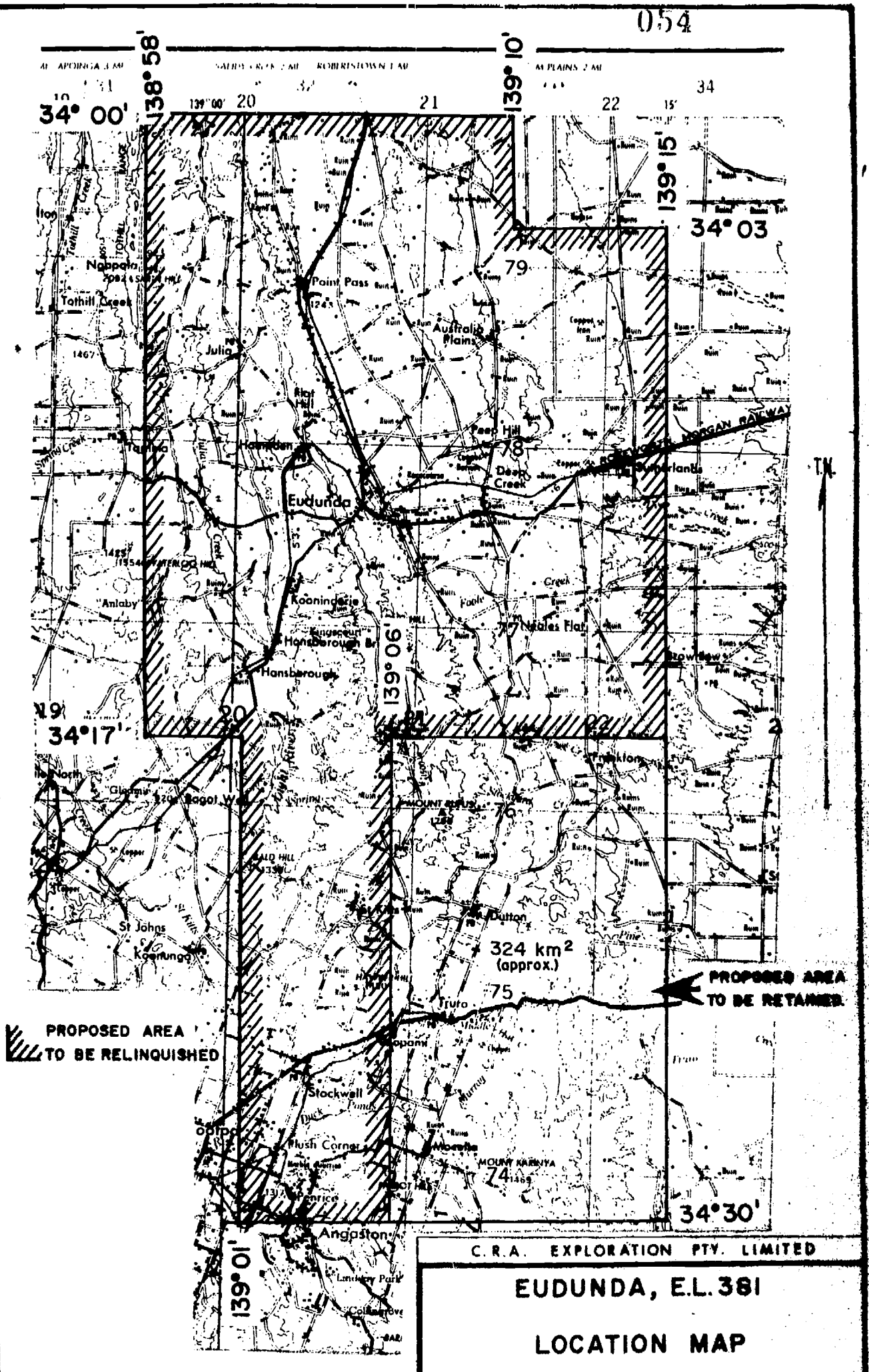
TENEMENT E.L. 381 GEOCHEMICAL SOIL SAMPLING LEDGER 053 Page No.

AREA/PROSPECT [illegible] SAMPLE Nos. D.P.O. No. B0006

PLAN REFERENCE [illegible] GEOLOGIST T.E.M. DATE [illegible] '78

A 9006 ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag		Scint C.P.S.	Geological observations
[illegible]	700719	0	0	0	70	30	C	20	Br	-	✓	80	6	29	9	<1		31	Decomp. siltstone (?)
[illegible]	719	0	0	0	70	30	C	20	Br	-	✓	80	8	39	9	<1		26	Ditto
E → W	700720	5	0	0	65	30	C	20	"	-	✓	80	5	72	27	<1		32	Decomp. siltstone
Sample	721	0	0	0	70	30	C	20	"	-	✓	50	3	50	9	<1		22	Ditto
[illegible]	722	0	0	0	70	30	C	20	"	-	✓	80	4	50	9	<1		24	"
	723	10	0	0	60	30	C	20	"	-	✓	60	4	59	7	<1		25	"
	724	0	0	0	70	30	C	20	"	-	✓	70	3	34	4	<1		21	"
	725	0	0	0	80	20	C	20	"	-	✓	50	3	31	6	<1		22	"
	726	0	0	0	70	30	C	20	"	-	✓	80	11	39	11	<1		25	"
	727	0	0	0	70	30	C	20	"	-	✓	90	11	36	7	<1		28	"
	728	0	0	0	70	30	C	20	"	-	✓	100	11	36	7	<1		18	"
	729	0	0	0	70	30	C	20	"	-	✓	100	15	62	11	<1		23	"
	700730	0	0	0	70	30	C	20	"	-	✓	100	15	56	15	<1		29	"
	731	0	0	0	80	20	C	20	"	-	✓	100+	3	15	6	<1		28	"
	732	0	0	0	70	30	C	20	"	-	✓	100+	6	20	7	<1		27	"
	733	0	0	0	80	20	C	20	"	-	✓	100+	6	20	6	<1		24	"
	734	0	0	0	70	30	C	20	"	-	✓	100+	6	19	7	<1		22	"
	735	0	0	0	70	30	C	20	"	-	✓	100+	6	13	9	<1		20	"
	736	0	0	0	70	30	C	20	"	-	✓	80	[illegible]	23	20	<1		27	"
	737	0	0	0	70	30	C	20	"	-	✓	90	5	15	17	<1		25	"
	700738	10	0	0	60	30	C	20	"	-	✓	[illegible]	8	20	49	<1		29	"



C.R.A. EXPLORATION PTY. LIMITED

EUDUNDA, E.L. 381

LOCATION MAP

Ref: ADELAIDE SI 54-9	Scale: 1 : 250,000.
Geol: D.O.M., T.M.	Report No: 9549
Drawn: G.D.K., D.W.	Plan No: SAa 107

Note

This plan was compiled from an uncorrected 1:50,000 air-photo mosaic & is a direct tracing of Eudunda (Sheet N°6729-IV) The scale is therefore only approximate, & topography on adjoining sheets may not align

34°00'
138°58'
139°10'
34°00'
139°15'
34°03'
34°15'

Approx. Boundary of E.L. 381

Approx. Boundary of E.L 381

Pount Pass

EUDUNDA

ROBERTSTOWN RAILWAY

Australian Plains

Julia

Hampden

RAILWAY

Eudunda

ROSEWORTHY

Deep Ck

MORGAN

Railway (Disused)

Sutherlands

EUDUNDA

ROSEWORTHY

Creek

Foote

Neales Flat

KEY

- Eudunda Arcose Soil Traverse (50m. intervals).
- Karinya Shale Soil Traverse (50m. intervals).
- Geological Boundary.
- Fault.
- Approx. Boundary of E.L. portion to be relinquished.

TN

SHEET INDEX

EUDUNDA SHEET

SHEET 1

EUDUNDA

TRURO SHEET

SHEET 2.

APPROXIMATE SCALE

METRES 1000 0 1 2 3 4 5 KILOMETRES

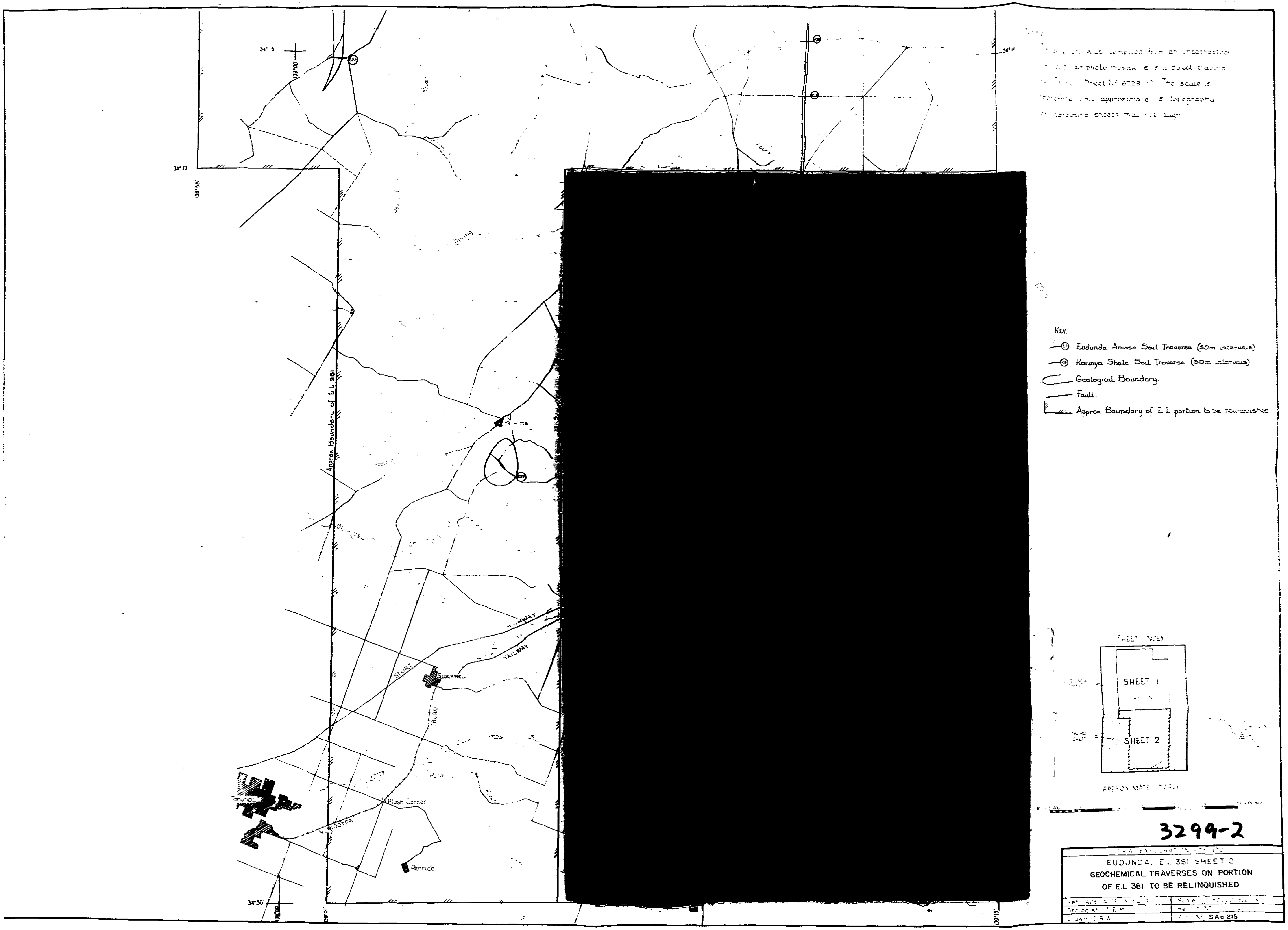
3299-1

CRA EXPLORATION PTY LTD

EUDUNDA, E.L 381 SHEET 1

GEOCHEMICAL TRAVERSES ON PORTION OF E.L. 381 TO BE RELINQUISHED

Ref ADELAIDE SI 54-9	Scale 1:50,000 approx
Geologist T E M	Report N° 4583
Drawn D R W	Plan N° SAa 214.


34°17
Approx. Boundary of E.L. 381
HIGHWAY
RAILWAY
STURT
Stockwell
Plush Corner
Penrice
[redacted]
KEY
Eudunda Arcose Soil Traverse (50m intervals)
Kurinya Shale Soil Traverse (50m intervals)
Geological Boundary.
Fault.
Approx. Boundary of E.L. portion to be relinquished
SHEET INDEX
SHEET 1
SHEET 2
3299-2
EUDUNDA, E.L. 381 SHEET 2
GEOCHEMICAL TRAVERSES ON PORTION
OF E.L. 381 TO BE RELINQUISHED
SAo 215

R.A. EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)
COLLINS STREET, MELBOURNE, AUSTRALIA 3001

P.O. BOX 3847
TELEPHONE: 63 049
TELEGRAMS: "CONR
TELEX AA 30108

055

30th August, 1978.

The Director of Mines,
P.O. Box 151,
EASTWOOD, S.A. 5063

Dear Sir,

E.L. 381 - Eudunda, South Australia
Report for the Quarter Ended 25th July, 1978

Enclosed is a report by D. O. Mason and T. E. Mayer entitled "Report on Eudunda E.L. 381, S.A. for the Quarter Ending 25th July, 1978" dated 15th August, 1978.

Results to date are moderately encouraging.

Expenditure for the period ended 31st July, the nearest accounting period, amounted to $8,805 comprising:

Salaries	$1,821
Wages	877
General Supplies	140
Vehicles	639
Travel and Accommodation	362
Contractors	900
Assaying	2,251
General Overheads	1,815
	$8,805

Yours faithfully,

SAF:jm

for: J. Collier
General Manager

Encl.

C.R.A. EXPLORATION PTY. LIMITED

REPORT ON EUDUNDA E.L. 381 S.A.

FOR QUARTER ENDING 25/7/78

AUTHOR: D.O. MASON & T.E. MAYER

SUBMITTED TO: D.O. MASON

DATE: 15th August, 1978

CONTENTS PAGE

1. SUMMARY

This report summarises work undertaken on E.L. 381 during the quarter ending 25th July, 1978. Following a review of S.A.D.M. geochemical exploration of the Adelaide 1:250,000 sheet area and perusal of relevant open file data (Mason, D.O., 1978), various prospective horizons, namely, the Eudunda Arkose, the Truro Volcanics, the Tindelpina Shale and underlying Appila Tillite, and the Karinya Shale, were selected for investigation. Soil sample surveys were carried out over the Eudunda Arkose, Truro Volcanics and the Karinya Shale. Soil and rock chip sampling was undertaken over the Tindelpina Shale and Appila Tillite south of Mt. Rufus. A stream sediment orientation survey was undertaken north of Dutton. The surveys over the Eudunda Arkose and Truro Volcanics did not reveal any anomalies likely to be associated with significant mineralisation. High copper values were obtained from rock chip samples from the Appila Tillite/Tindelpina Shale contact south of Mt. Rufus but follow-up soil sampling indicated no significant lateral extent to the mineralisation. Anomalous lead and zinc values from the Karinya Shale will be investigated. It is proposed that the western and northern portion of E.L. 381 be relinquished.

2. INTRODUCTION

Eudunda E.L. 381 covering an area of 1,295 km^2 was granted to C.R.A. Exploration Pty. Limited on 25th January, 1978 for the term of one year. Various Adelaidean and Cambrian units have been selected for exploration for base metals.

3. CONCLUSIONS

As a result of the surveys undertaken, it is concluded that two of the horizons selected for investigation, namely the Eudunda Arkose and the Truro Volcanics are unlikely to contain significant mineralisation.

An area of interest has been defined between Frankton and Mt. Karinya. Soil sampling over the Karinya Shale produced a number of lead, zinc and, (to a lesser extent), copper anomalies in this area.

Rock chip sampling south of Mt. Rufus revealed a copper anomaly in the Appila Tillite, (up to 1100 ppm over 50 m across strike), adjacent to the contact with the overlying Tindelpina Shale.

Minor malachite was observed in joints in the vicinity of the anomaly. Follow-up soil sampling failed to reveal any significant strike extent to the anomaly and it is concluded that the anomaly represents superficial supergene enrichment.

Results of the stream sediment orientation survey north of Dutton showed that, for the -85 fraction, zinc and copper data correlated reasonably with Department of Mines stream sediment data (Fig. 1; and Robertson, R.S., 1976). Poor correlation was noted for lead data. It was also noted that C.R.A. Exploration Pty. Limited lead analyses generally exceeded Department of Mines analyses by an average of 14 ppm, (or by a factor generally between 2 and 5x). However, it should be stressed that the C.R.A. Exploration Pty. Limited survey involves only a small sample population.

A size fraction analysis was carried out on all stream sediment samples taken in the orientation survey. No significant difference was noted between analyses for unground and ground size fractions, nor did any one size fraction stand out consistantly as being more suitable than any other size fraction.

4. RECOMMENDATIONS

It is recommended that:

1) further exploration of the Eudunda Arkose and Truro Volcanics is unwarranted;

2) more intensive soil and rock chip sampling should be undertaken over the anomalous portions of the Karinya Shale;

3) stream sediment samples should be taken from a number of areas to check whether the discrepancy between C.R.A. Exploration Pty. Limited and Department of Mines lead data persists;

4) all portions of E.L. 381 west of 139°6'E and all portions of E.L. north of 34°17'S should be relinquished.

5. GEOLOGICAL SAMPLING

5.1 EUDUNDA ARKOSE AND TRURO VOLCANICS SURVEY

Twenty-four soil sample traverses comprising 355 samples were taken over the Eudunda Arkose on the Truro, Eudunda and Riverton 1:50,000 sheet areas. Samples were taken at 50 m intervals on traverses approximately 2 km apart. All samples were pulverised and analysed for Pb, Zn, Cu and Ag by A.A.S. Gamma radiation was measured with a Scintrex Scintillometer at each sample location. Frequency histograms have been plotted for lead, zinc and copper data (Tables 1-3). Base metal values, particularly lead and copper, were very low, the few high values being single sample anomalies. Although it was recognized that a subsoil calcrete horizon encountered on some traverses in the northern part of the survey may have influenced metal values in the overlying soils, the overall low values suggest that further exploration of this horizon is not warranted.

5.2 KARINYA SHALE SOIL SAMPLING

A hand auger soil sampling survey was undertaken over the Karinya Shale during June, 1978. A sample spacing of 50 m or traverses approximately 2 km apart was maintained. Nineteen traverses, totalling 172 samples, were taken. Samples were not sieved, but crushed and analysed for Pb, Zn, Cu and U. In addition, gamma radiation was measured at each sample site using a Scintrex Scintillometer. Anomalous lead, zinc and, to a lesser extent, copper values were recorded on the eastern side of a northward plunging syncline in a zone bounded by Pine Creek in the north and the closure of the syncline north of Mt. Karinya in the south. Maximum values of 250 ppm Pb, 550 ppm Zn, and 120 ppm Cu were recorded.

5.3 SAMPLING OF THE APPILA TILLITE AND TINDELPINA SHALE

Rock chip sampling was undertaken in two streams, (Traverses E.R.C. 1 and 2) south of Mt. Rufus, over the Appila Tillite and Tindelpina Shale. Each sample was taken over 50 m with one chip being taken every 5 m.

A copper anomaly of 1100 ppm over 50 m was recorded on Traverse E.R.C. 1 in the Appila Tillite adjacent to the contact

with the overlying Tindelpina Shale. Minor malachite was observed in joints in siltstones of the Appila Tillite in the vicinity of the anomaly. Follow-up work consisting of two additional rock chip lines (E.R.C. 3 and 4), and seven soil sample lines (MR. 5 - MR. 11) was undertaken in order to investigate the anomaly. Samples were taken at 10 m intervals on lines approximately 200 m apart. No significant lateral extent of the anomaly was revealed and it is concluded that the anomaly represents superficial supergene enrichment.

5.4 STREAM SEDIMENT SAMPLING

An orientation stream sediment survey was conducted north of Dutton for the purposes of size fraction analysis and correlation with Department of Mines stream sediment data. Seven streams were sampled, with four samples being taken from each stream. Each sample consisted of stream sediments taken from four sample point across a stream, (except where streams were narrow, when each sample comprised sediments taken from four sample points along the stream). Each sample was wet sieved and the 410; -10, +22; -22; +44, -44; +60; -60; +85; and -85 B.S.S. mesh fractions were retained for analysis. Each of the above size fraction was split and one portion was analysed uncrushed, the remaining portion being ground before analysis, with the exception of the +10 mesh fraction where both portions were ground before analysis, and the -85 mesh fraction where neither portion was ground before analysis.

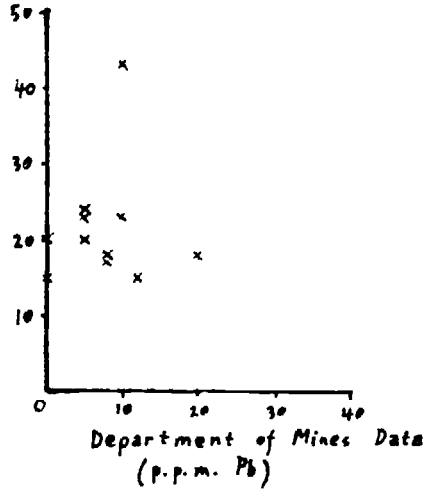
For the purposes of correlation with Department of Mines data, where several C.R.A. Exploration Pty. Limited samples were taken from a stream section represented by one Department of Mines sample, mean values for the C.R.A. Exploration Pty. Limited samples were used, and vice versa. Reasonable correlations were obtained for zinc and copper data (Fig. 1) but lead data showed almost random variation. Although the C.R.A. Exploration survey was too small to enable conclusions to be drawn with any degree of certainty, it is interesting to note that, in general, lead values determined in the C.R.A. Exploration survey exceeded Department of Mines analyses from the same streams by a mean value of 14 ppm.

Although statistics have not been calculated, it is apparent that grinding did not have any significant effect on base metal values for any size fraction. Furthermore, no single

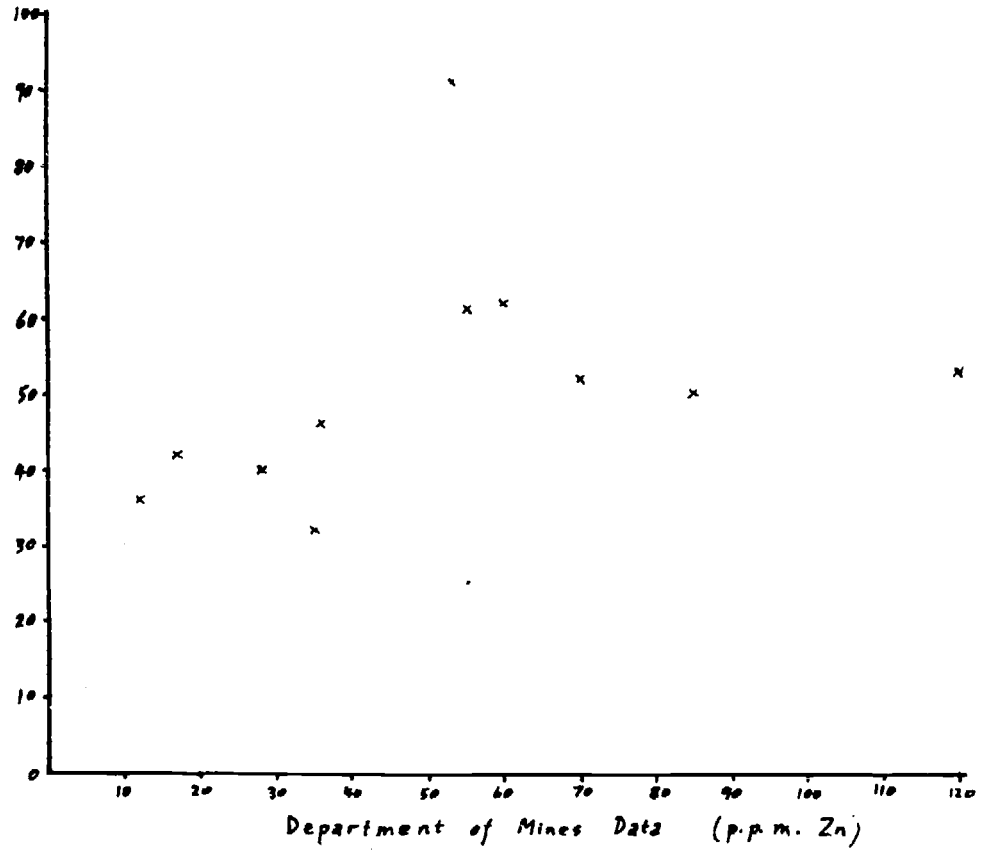
size fraction stood out as being more suitable than any other fraction for analysis.

D.O. MASON

LEAD RESULTS.



ZINC RESULTS.



COPPER RESULTS.

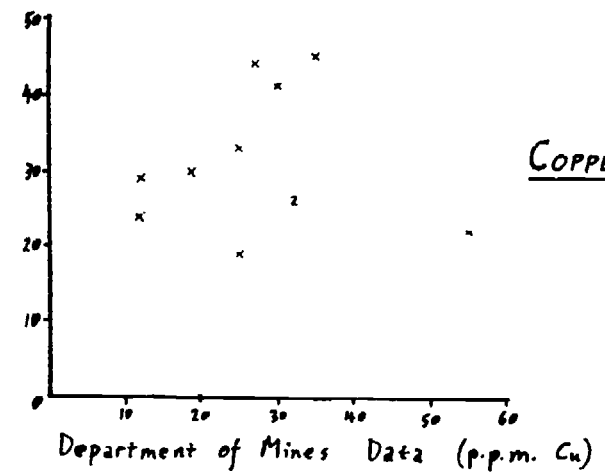


FIG. 1. STREAM SEDIMENT DATA CORRELATIONS.

064

REFERENCES

Mason D.O., 1978 — Report on Eudunda E.L. 381 S.A. for quarter ending 25th April, 1978

Robertson, R.S., 1976 — Geochemical Survey of the Truro 1:63360 Sheet. S.A. Mines Department Report Book 76/100

KEYWORDS

Locality:Adelaide S 1 54-9

Adelaidean, Cambrian, Appila Tillite, Tindelpina Shale, Eudunda Arkose, Truro Volcanics, Karinya Shale, lead, zinc, copper, silver, uranium, soil sampling, rock chip sampling, stream sediment sampling

LIST OF ATTACHMENTS

Appendix 1	Soil Sample Ledgers	
Appendix 2	Rock chip sample ledgers	
Appendix 3	Stream sediment sample analyses	
Plan SAa 107	Locality Map	1:250,000
Plan SAa 216	Soil, rock chip and stream sediment sample locations. Sheet 1	1:50,000 approx.
Plan SAa 217	Soil, rock chip and stream sediment sample locations. Sheet 2	1:50,000 approx.

065

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: E.L. 381
AREA/PROSPECT: EUDUNDA
SAMPLE Nos.
PLAN REFERENCE: Trave 1:50000
A 9006

Page No.
D.P.O. No.: B0005
GEOLOGIST: T.E.M. DATE: May '78
ANALYSED BY: Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag	Ni	Sc [illegible] < 25	
Eudunda	698753	5	0	20	50	25	C	20	Br	-	✓	100+	15	35	16	1	36	34	Decomp. siltst[illegible] ([illegible])
Soil traverse 1	754	0	0	0	60	40	C	20	Br	-	✓	100+	18	48	25	1	43	40	Ditto
E → W	755	0	0	0	60	40	C	20	Br	-	✓	100+	18	38	44	<1	80	26	Ditto
50m interval	756	0	[illegible]	0	60	40	C	20	Br	-	✓	100+	12	50	30	1	77	23	"
	757	0	0	0	60	40	C	20	Br	-	✓	100+	15	43	30	<1	83	22	"
	758	5	0	0	45	50	C	20	Br	-	✓	100+	15	33	23	<1	56	24	"
	759	0	0	0	60	40	C	20	R. br	-	✓	100+	14	33	18	<1	46	30	"
	698760	5	0	0	55	40	C	20	R. br	-	✓	100+	16	40	14	<1	38	26	"
	761	20	0	10	40	30	C	20	Br	-	✓	[illegible]	46	45	14	<1	41	32	Decomp. siltstone with [illegible]
	762	15	5	0	50	30	C	20	Br	-	✓	50	12	21	13	<1	30	34	Ditto
	763	0	0	0	60	40	C	20	R. br	-	✓	100+	8	16	10	<1	21	30	Decomp. siltstone
	764	10	0	10	40	40	C	20	Br	-	✓	100+	8	9	27	<1	19	25	Ditto with [illegible]
	765	10	0	0	50	40	C	20	Br	-	✓	50	8	9	14	<1	23	36	Decomp. siltstone
	766	100	-	-	-	-	-	-	Green Br	✓	-	-	16	40	70	<1	94	34	O/C in creek bank. Transitional green sandy siltstone + [illegible]
	767	0	0	0	60	40	C	20	Br	-	✓	50	8	14	8	<1	16	25	Decomp. siltstone
	768	10	0	0	50	40	C	20	Br	-	✓	50	7	9	7	<1	15	28	Ditto O/C of [illegible] nearby
	769	20	0	0	30	40	C	20	Dark Br	-	✓	50	8	7	9	<1	15	32	Decomp. arkose
	698770	10	0	10	40	40	C	20	"	-	✓	30	10	11	24	<1	35	34	Ditto O/C of cross-bedded arkose [illegible]
	771	10	0	10	40	40	C	20	Br	-	✓	30	6	5	6	<1	12	32	Decomp. arkose
	772	30	0	10	20	40	C	20	Br	-	✓	30	6	5	18	<1	15	34	Ditto
	698773	15	5	10	40	30	C	20	Br	-	✓	30	6	9	9	<1	17	22	Ditto

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. 0866 0005 Page No. .....

AREA/PROSPECT EUDUNDA SAMPLE Nos. .....

GEOLOGIST T.E.M. DATE May '86

PLAN REFERENCE TRURO 1:50000 ANALYSED BY Z.C

A 9005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	Ni	Strength C.P.S.	
EUDUNDA 1	698774	10	0	20	40	30	C	20	Br	-	✓	50	7	11	7	<1	17	28	Decomp. schist
(cont.)	698775	25	0	15	40	20	C	20	G-Br	-	✓	50	8	7	11	1	25	30	Ditto.

TENEMENT E L 381. **GEOCHEMICAL SOIL SAMPLING LEDGER** D.P.O. No. 657 B0005 Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos. GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE TRIAD 1:50000 ANALYSED BY Z.C.

A 9005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	Ni	Scint c.p.s.	
EUDUNDA	698776	20	0	10	40	30	C	20	Br	-	✓	200+	11	28	19	<1	43	34	Reconnaissance line with outcrop of rock chips
SOIL TRAVERSE 2	777	10	0	0	40	50	C	20	R-br	-	✓	200+	14	40	31	1	56	22	Brown silstone
E → W	778	10	0	0	50	40	C	20	R-br	-	✓	200+	10	23	17	<1	33	28	Ditto
(56 minerals)	779	30	0	0	30	20	C	20	Br	-	✓	200+	11	21	18	<1	37	28	Ditto [illegible]
	698780	5	0	0	55	40	C	20	R-br	-	✓	200+	10	26	20	<1	34	28	Brown siltstone
	781	10	0	0	60	30	C	20	Br	-	✓	200+	12	33	24	<1	42	34	Ditto
	782	10	5	0	55	30	C	20	Lt-Br	-	✓	200+	12	33	19	<1	45	30	Ditto
	783	5	0	0	55	40	C	20	Br	-	✓	200+	11	30	19	<1	65	26	"
	784	0	0	0	70	30	C	20	Br	-	✓	200+	8	28	20	<1	70	22	"
	785	0	0	0	60	40	C	20	Br	-	✓	200+	10	28	19	1	73	24	"
	786	10	0	0	50	40	C	20	Br	-	✓	200+	10	26	19	<1	70	22	"
	787	0	0	0	60	40	C	20	Br	-	✓	200+	10	40	25	1	130	20	"
	788	0	0	10	50	40	C	20	Br	-	✓	100+	7	35	27	<1	82	26	"
	789	0	0	0	60	40	C	20	Br	-	✓	100+	10	26	13	<1	40	28	"
	698790	0	0	10	50	40	C	20	Dark Br	-	✓	100+	11	37	19	<1	52	26	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. 068 B0005

Page No.

AREA/PROSPECT Eudunda

SAMPLE Nos.

GEOLOGIST J.C.A. DATE May '78

PLAN REFERENCE Truro 1:50 000

ANALYSED BY Z.C.

A 9006

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	Ni	Scint. C.P.S.	Geological observations
Eudunda	698791	0	0	10	50	40	C	20	Br	–	✓	100+	14	50	30	<1	48	30	Decomp. siltstone (?)
Soil Traverse 3	792	0	0	0	60	40	C	20	Br	–	✓	100+	17	59	30	1	45	30	Ditto.
E → W	793	0	0	0	60	40	C	20	Br	–	✓	100+	14	56	22	<1	43	28	"
50m interval	794	0	0	0	60	40	C	20	Br	–	✓	100+	12	79	37	<1	52	32	"
	795	0	0	0	60	40	C	20	Br	–	✓	100+	42	151	100	1	110	24	"
	796	10	0	0	50	40	C	20	Br	–	✓	50	27	290	130	1	130	30	Ditto (Sample [illegible] digging)
	797	0	0	0	60	40	C	20	Br	–	✓	50	8	40	30	1	73	24	"
	798	0	0	0	60	40	C	20	Br	–	✓	80	10	50	35	1	110	20	"
	799	0	0	0	60	40	C	20	Br	–	✓	80	11	64	37	1	160	20	"
	698800	10	0	0	50	40	C	20	Dark Br	–	✓	100	10	50	20	1	110	20	"
	801	0	0	0	60	40	C	20	" "	–	✓	100	11	67	24	1	140	20	"
	802	0	0	0	60	40	C	20	" "	–	✓	100	10	59	40	<1	140	20	"
	803	0	0	0	60	40	C	20	" "	–	✓	50	8	62	25	1	130	20	" . Abundant volc. rock float nearby
	804	0	0	0	60	40	C	20	" "	–	✓	50	9	37	40	<1	130	20	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. 063 B0006 Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

GEOLOGIST T.E.M. DATE 18/3/78

PLAN REFERENCE TRIAO

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag		SCINT C.P.S.	Geological observations
EUDUNDA	698889	10	0	0	50	40	C	10	Br	–	✓	80	13	42	28	2		40	Decomp siltstone
SOIL TRAVERSE	890	100						–	Br	✓	–	–	11	28	33	1		38	Brown [illegible] siltstone
	Same location 891	20	0	10	40	30	C	10	Br	✓			22	41	30	3		.	Decomp. ditto
W → E	892	10	0	10	50	30	C	25	Br	–	✓	50	16	179	25	1		38	Ditto
Sample	893	20	0	0	50	30	C	20	Br	–	✓	40	31	1910	100	2		36	Decomp. siltstone
interval = 50m	894	100							R-Br	✓	–	–	70	410	470	2		34	Rock chip sample of [illegible] (ferrug.) and adjacent siltstone. (1 chip per [illegible] approx)
	895	10	0	0	50	40	C	20	Br	–	✓	50	56	103	92	2		"	Decomp siltstone
	896	100						–	R-Br	✓	–	–	18	42	24	1		34	Ferrug. dolomitic siltstone (1 chip per 5m)
	897	20	0	0	60	20	C	20	Br	–	✓	40	50	42	33	<1		"	Decomp. ditto
	898	100						–	R-Br	✓	–	–	15	31	22	<1		40	Ferrug. dolomitic siltstone
	899	20	0	0	60	20	C	20	Br	–	✓	40	23	39	19	<1		"	Decomp. ditto.
	698900	0	0	0	60	40	C	20	Br	–	✓	80	17	16	8	<1		32	Decomp siltstone
	901	100						–	Red	✓	–	–	21	250	290	1		38	Ferrug. siltstone with c/c containing some boxworks
	902	10	0	0	50	40	C	20	Br	–	✓	50	12	65	21	<1		"	Decomp siltstone
	903	20	0	0	50	30	C	20	Br	–	✓	80	13	24	17	<1		36	Ditto
	904	20	0	0	50	30	C	20	Br	–	✓	60	19	53	60	1		30	Ditto
	905	20	0	0	50	30	C	20	Br	–	✓	60	8	34	22	<1		26	Ditto
	698906	20	0	0	50	30	C	20	Br	–	✓	80	8	60	40	<1		28	"

TENEMENT E.L 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — 070 — Page No.

AREA/PROSPECT EUDUNDA — SAMPLE Nos. — D.P.O. No. B6006

PLAN REFERENCE TRURO 1:50 000 — GEOLOGIST T. Eccl — DATE May 78

ANALYSED BY Z. C

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint c.p.s.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	698907	20	0	10	40	30	C	20	Pale Br	-	✓	40	15	50	15	1		32	Decomp silt stone
SOIL TRAVERSE 5	908	20	0	10	40	30	C	20	" "	-	✓	40	23	42	47	1		28	Ditto with calcareous fragments
W→E	909	30	0	10	40	20	C	20	Br	-	✓	40	6	16	17	<1		32	" " " "
(50m intervals)	698910	20	0	10	40	30	C	20	Br	-	✓	50	6	16	12	<1		30	Decomp silt stone
	911	20	0	20	30	30	C	20	Br	-	✓	30	10	19	14	<1		38	Decomp silt stone
	912	20	0	20	30	30	C	20	Br	-	✓	30	41	72	21	<1		34	Ditto
	913	20	0	20	30	30	C	20	Br	-	✓	30	10	19	9	<1		32	"
	914	20	0	10	40	30	C	20	Br	-	✓	40	8	45	25	<1		32	Decomp silt stone
	915	10	0	10	50	30	C	20	Br	-	✓	50	8	23	12	<1		30	Ditto
	916	0	0	10	60	30	C	20	Br	-	✓	60	6	18	9	<1		32	"
	917	10	0	20	40	30	C	40	Yell-Br	-	✓	60	13	18	14	<1		31	Decomp sandy silt stone
	918	30	0	10	40	20	C	20	Br	-	✓	60	8	21	17	<1		36	Decomp silt stone
	919	10	0	20	40	30	C	20	Br	-	✓	50	3	16	24	<1		35	" sandy "
	698920	100	-	-				-	R-Br	✓	-	-	340	168	130	1		34	Ferruginous silt stone and ferruginous o/c & subc
	921	20	0	0	50	30	C	20	Br	-	✓	40	150	31	79	<1		"	Decomp silt stone
	922	10	0	0	60	30	C	20	Br	-	✓	40	21	36	27	<1		40	Ditto
	923	100	-	-					Gel Br	✓	-	-	8	13	9	<1		22	Dolomitic silt stone
	924	30	0	0	40	30	C	20	Pale Br	-	✓	30	21	21	20	2		"	Decomp " " with calcrete
	925	10	0	0	50	40	C	20	Br	-	✓	40	11	21	11	1		32	Decomp silt stone
	926	10	0	0	60	30	C	20	Br	-	✓	40	11	18	14	<1		35	Ditto
	698927	20	0	0	50	30	C	20	Br	-	✓	50	9	18	10	<1		40	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

D.P.G. No. 078 0006

AREA/PROSPECT EUDUNDA SAMPLE Nos.

GEOLOGIST T.E.M. DATE May 78

PLAN REFERENCE TARO 1:50 000 PHOTO MOSAIC

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		C.P.S.	
Eudunda	698951	10	0	10	50	30	C	20	Br	—	✓	50	11	11	15	<1		30	Decomp. sandy siltstone
Soil Line 6	2	30	0	10	40	20	C	20	"	—	✓	50	8	24	83	<1		26	Ditto
(Sample Int. = 50m)	3	10	0	30	40	20	C	20	"	—	✓	60	6	11	8	<1		30	"
	4	10	0	30	40	20	C	20	"	—	✓	60	8	18	13	<1		24	"
S→N	5	0	0	40	30	30	C	20	"	—	✓	80	6	16	13	<1		34	Decomp. airborne(?)
	6	0	0	40	30	30	C	20	"	—	✓	80	8	13	12	<1		35	Ditto
	7	0	0	30	40	30	C	20	"	—	✓	100	6	42	23	<1		34	"
	8	0	0	30	40	30	C	20	"	—	✓	100	8	29	14	<1		33	"
	9	0	0	30	40	30	C	20	"	—	✓	80	6	34	20	<1		34	"
	698960	30	0	10	40	20	C	20	"	—	✓	80	6	45	29	<1		35	Decomp. sandy siltstone
	698961	0	0	30	40	30	C	20	"	—	✓	100	8	21	11	<1		31	Ditto

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L 381 — Page No.

AREA/PROSPECT EUDUNDA — SAMPLE Nos. — D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50000 — GEOLOGIST T.C.M. — DATE May '75

A SEE — ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	698728	30	0	0	40	30	C	20	Lt Br	-	✓	50	10	34	20	<1		30	Decomp. into siltstone
SOIL LINE 7	729	0	0	0	60	40	C	20	R-br	-	✓	60	15	34	10	<1		28	Decomp. siltstone ??
E → W	699930	10	0	0	60	30	C	20	Br	-	✓	30	13	31	10	<1		20	Ditto
(Sample Interval = 50m)	931	0	0	0	60	40	C	20	Br	-	✓	50	15	36	11	<1		20	"
	932	10	0	0	60	30	C	20	R-	-	✓	50	28	50	19	1		21	"
	933	20	0	0	50	30	C	20	Br	-	✓	60	21	36	13	1		22	" + calcrete fragments
	934	0	0	0	60	40	C	20	Br	-	✓	60	15	47	14	<1		27	Decomp. siltstone ??
	935	0	0	10	50	40	C	20	Br	-	✓	60	15	42	13	<1		30	Ditto
	936	20	0	20	40	20	C	20	Gr-Br	-	✓	60	13	47	52	<1		29	Decomp. hydrothermal breccia
	937	0	0	0	70	30	C	20	Br	-	✓	60	19	53	17	<1		26	Decomp. siltstone ?
	938	10	5	0	60	25	C	20	Br	-	✓	60	19	30	17	<1		27	Ditto + calcrete

TENEMENT E.L. 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** Page No. .....

AREA/PROSPECT EUDUNDA SAMPLE Nos. ..... D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50 000 GEOLOGIST T.E.M. DATE May '78

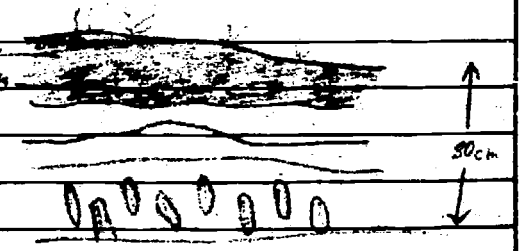
ANALYSED BY Z.C.

A 2975

Grid Co-ordinates	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		C.P.S.	
EUDUNDA	698939	0	5	0	65	30	C	20	Br	-	✓	60	21	42	17	<1		24	Decomp siltstone (?)
SOIL LINE 8	698940	10	5	0	60	25	C	20	Br	-	✓	60	21	42	15	<1		23	Decomp siltstone
E→W	941	10	0	20	40	30	C	20	Br	-	✓	60	21	45	19	<1		32	" sandy "
Sample interval	942	0	0	0	70	30	C	20	Br	-	✓	60	19	45	18	<1		25	" siltst.
= 50m	943	80	0	10	10	0	C	80	Grey Br	✓	-	-	21	39	14	1		22	Decomp sandy siltstone (Sec diagram)
	944	80	0	10	10	0	C	40	Grey	✓	-	-	17	57	20	<1		26	Ditto
	945	20	-	10	40	25	C	20	Br	-	✓	60	17	34	15	1		33	Decomp sandy siltstone + calcrete
	946	20	5	10	40	25	C	20	Br	-	✓	60	34	50	17	<1		26	Ditto
	947	20	5	10	40	25	C	20	Br	-	✓	60	41	50	17	1		28	"
	948	10	0	0	60	30	C	20	Br	-	✓	60	28	39	14	1		26	Decomp siltstone + calcrete
	949	10	0	0	60	30	C	20	Br	-	✓	60	17	47	14	<1		27	Ditto
	698950	10	0	0	60	30	C	20	Br	-	✓	60	12	57	14	<1		28	"

Brown soil
Calcareous siltstone with
Layers of calcrete

Bedrock infilled with calcrete



TENEMENT E.L 381 — **GEOCHEMICAL SOIL SAMPLING LEDGER** — Page No. ....

AREA/PROSPECT ENDURNDA — SAMPLE Nos. .... — D.P.O. No. B0006

PLAN REFERENCE RIVERTON 1:50000 — GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
ENDURNDA	698962	0	0	20	50	30	C	20	Br	–	✓	80	8	18	7	<1		20	Decomp. sandy siltstone.
Soil Line 9	963	10	0	20	40	30	C	20	Br	–	✓	80	8	11	7	<1		22	Ditto.
S→N	964	10	0	20	50	20	C	20	Br	–	✓	90	15	21	10	<1		24	"
Sample Interval	965	10	0	10	50	30	C	20	Br	–	✓	90	15	26	12	<1		28	"
= 50m	966	0	0	30	40	30	C	20	Br	–	✓	80	9	16	7	<1		22	"
	967	0	0	30	40	30	C	20	Br	–	✓	80	10	18	8	<1		34	"
	968	0	0	20	50	30	C	20	Br	–	✓	80	25	32	23	<1		25	"
	698969	0	0	30	40	30	C	20	Br	–	✓	80	17	20	10	1		21	"
	695970	0	0	10	50	40	C	20	Br	–	✓	100	13	16	11	<1		24	Decomp. siltstone (?)
	971	0	0	0	70	30	C	20	Br	–	✓	100	23	23	11	<1		19	Ditto
	972	0	0	20	50	30	C	20	Br	–	✓	100	18	16	8	<1		17	Decomp. arkose (?)
	973	0	0	10	50	40	C	20	Br	–	✓	80	23	37	19	1		25	" siltstone (?)
	974	0	0	10	50	40	C	20	Br	–	✓	70	17	18	9	<1		21	Ditto
	975	0	0	10	60	30	C	20	Br	–	✓	70	10	25	14	<1		25	"
	976	0	0	20	50	30	C	20	Br	–	✓	70	10	28	10	<1		23	Decomp. sandy siltstone
	977	0	0	20	50	30	C	20	Br	–	✓	70	37	60	25	<1		20	Ditto
	978	0	0	0	70	30	C	20	Br	–	✓	80	13	27	11	<1		19	Decomp siltstone (?)
	979	0	0	20	50	30	C	20	Br	–	✓	80	13	16	8	<1		19	" sandy "
	698980	0	0	20	50	30	C	20	Br	–	✓	100	15	25	11	<1		20	Ditto
	951	0	0	10	50	40	C	20	Br	–	✓	100	23	39	15	<1		25	"
	695982	0	0	0	60	40	C	20	Br	–	✓	100	20	29	11	1		20	Decomp siltstone

TENEMENT E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT EUDUNDA — SAMPLE Nos. — D.P.O. No. B0006

PLAN REFERENCE RIVERTON 1:50 000 — GEOLOGIST T.E.M. — DATE May '78

AMG — ANALYSED BY Z.C

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT. C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	698983	0	0	10	50	40	C	20	Br	-	✓	100	17	32	16	1		29	Decomp. siltstone (?)
SOIL LINE 9	984	20	0	10	40	30	C	20	Br	-	✓	80	15	57	17	1		26	" sandy "
(Cont.)	985	0	0	20	50	30	C	20	Br	-	✓	60	20	37	14	<1		21	Ditto
	986	0	0	20	50	30	C	20	Br	-	✓	100	8	16	8	<1		25	"
	987	0	5	20	50	30	C	20	Br		✓	100	16	30	10	1		22	"
	988	0	0	20	50	30	C	20	Br	-	✓	100	20	32	23	1		24	"
	989	0	5	10	55	30	C	20	Br	-	✓	100	23	68	22	1		23	"
	698990	0	0	0	60	40	C	20	Br	-	✓	100	15	22	11	1		22	Decomp siltstone (?)
	991	0	0	0	60	40	C	20	Br	-	✓	100	20	36	10	1		25	Ditto
	992	0	0	10	40	50	C	20	Br	-	✓	100	25	36	16	1		17	"
	993	0	0	10	70	20	C	20	Br	-	✓	100	13	17	7	1		27	"
	994	0	0	10	60	30	C	20	Br	-	✓	100+	13	15	6	1		22	"
	995	0	0	10	60	30	C	20	Br	-	✓	100+	20	25	32	1		20	"
	996	0	0	20	60	20	C	20	Br	-	✓	100+	8	17	8	<1		18	Decomp sandy siltstone
	997	20	0	20	40	20	C	20	Br	-	✓	60	10	33	14	<1		22	Ditto
	998	20	0	20	40	20	C	20	Br	-	✓	60	10	22	10	<1		20	"
	698999	0	0	0	60	40	C	20	Br	-	✓	80	13	31	15	1		21	Decomp siltstone (?)
	699000	0	0	20	50	30	C	20	Br	-	✓	100	13	38	16	1		19	Decomp sandy siltstone (?)
	700401	30	0	10	40	20	C	20	Br	-	✓	60	10	25	14	1		20	Ditto.
	402	10	0	20	50	20	C	20	Br	-	✓	60	10	22	9	<1		25	"
	700403	10	0	20	50	20	C	20	Br	-	✓	25	10	26	12	<1		25	Decomp bedded sandy siltstone

TENEMENT E L 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos. D.P.O. No. B0006

PLAN REFERENCE RUCRTON 1:50 000 GEOLOGIST T.E.H. DATE May '78

A2086 ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. c.p.s.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700454	10	0	20	50	20	C	20	Br	-	✓	40	8	24	11	<1		20	Decomp sandy siltstone.
Soil Line 9	405	0	0	20	70	10	C	20	Br	-	✓	40	8	14	8	<1		28	Ditto
(Cont.)	406	0	0	20	60	20	C	20	Br	-	✓	40	4	14	7	<1		19	"
	407	0	0	20	50	30	C	20	Br	-	✓	60	8	15	7	<1		24	"
	408	0	0	20	50	30	C	20	Br	-	✓	60	23	22	11	1		24	"
	409	0	0	20	50	30	C	20	Br	-	✓	60	15	18	9	<1		22	"
	700410	0	0	20	50	30	C	20	Br	-	✓	60	15	18	9	1		21	"
	411	0	0	0	60	40	C	20	Br	-	✓	80	20	31	14	1		24	Decomp siltstone?
	412	0	0	20	40	40	C	20	Br	-	✓	50	10	22	11	<1		23	" sandy "
	413	0	0	0	70	30	C	20	Br	-	✓	50	10	12	8	<1		22	Decomp siltstone
	414	0	0	10	60	30	C	20	Br	-	✓	80	13	16	9	<1		24	Ditto
	415	10	0	10	50	30	C	20	Br	-	✓	60	13	17	8	<1		20	"
	416	0	0	0	70	30	C	20	Br	-	✓	60	13	15	9	<1		22	"
	417	0	0	10	60	30	C	20	Br	-	✓	80	13	17	9	<1		23	"
	418	0	0	0	70	30	C	20	"	-	✓	80	13	25	11	<1		20	"
	419	0	0	0	70	30	C	20	"	-	✓	50	17	36	19	1		19	"
	700420	0	0	0	60	40	C	20	"	-	✓	60	20	60	23	1		22	"
	421	20	0	0	50	30	C	20	Cr-Br	-	✓	40	33	60	26	1		22	"
	422	0	0	0	60	40	C	20	Br	-	✓	40	20	60	21	<1		25	"
	423	0	0	0	70	30	C	20	"	-	✓	50	20	50	22	<1		25	"
	700424	0	0	0	70	30	C	20	"	-	✓	60	13	34	16	1		22	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. B0006 Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE RIVERTON 1:50000

ANALYSED BY Z.C.

A3986

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint C.P.S	
EUDUNDA	700425	0	0	0	60	40	C	20	Br	–	✓	60	20	44	23	1		24	Decomp silstone
Soil Line 9	426	20	0	0	50	30	C	20	Br	–	✓	50	8	47	15	1		21	Ditto
(Cont)	427	0	0	0	60	40	C	20	Br	–	✓	50	20	50	23	1		21	"
	428	20	0	0	50	30	C	20	Br	–	✓	40	15	66	22	<1		25	"
	429	0	0	0	70	30	C	20	"	–	✓	50	15	42	17	<1		28	"
	700430	10	0	0	50	40	C	20	"	–	✓	25	23	44	18	1		25	"
	431	0	0	0	70	30	C	20	"	–	✓	40	13	28	18	1		20	"
	432	0	0	0	60	40	C	20	"	–	✓	30	13	23	11	<1		22	"
	700433	0	0	0	70	30	C	20	"	–	✓	30	13	26	12	<1		24	"

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GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50000 A3085

GEOLOGIST T.E.M DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	est. Depth to	Pb	Zn	Cu	Ag		SCINT C.P.S.	
EUDUNDA	700434	0	0	0	70	30	C	20	Br	-	✓	100	13	26	11	<1		24	Decomp. siltstone (?)
SOIL LINE 10	435	0	0	0	70	30	C	20	Br	-	✓	100	13	26	12	1		30	Ditto
E → W	436	0	0	0	70	30	C	20	"	-	✓	100	13	31	19	<1		25	"
Sample Int.	437	0	0	0	70	30	C	20	"	-	✓	60	12	24	8	1		28	"
= 50m.	438	0	0	10	60	30	C	20	"	-	✓	70	7	21	3	1		19	"
	439	0	0	0	70	30	C	20	"	-	✓	70	11	18	6	<1		19	"
	700440	0	0	0	70	30	C	20	"	-	✓	60	8	16	5	<1		21	"
	441	20	0	0	60	20	C	20	"	-	✓	40	11	36	14	<1		23	Decomp. siltstone
	442	0	0	0	70	30	C	20	"	-	✓	40	8	21	8	<1		22	Ditto
	443	20	0	10	50	20	C	20	"	-	✓	30	8	18	5	<1		20	Decomp sandy siltstone
	444	20	0	0	60	20	C	20	"	-	✓	30	11	24	9	<1		23	Decomp. siltstone
	445	0	0	0	70	30	C	20	"	-	✓	50	9	18	5	<1		26	Ditto
	446	0	0	0	70	30	C	20	"	-	✓	60	11	16	6	<1		25	"
	447	0	0	0	70	30	C	20	"	-	✓	60	12	24	8	<1		24	"
	448	0	0	10	60	30	C	20	"	-	✓	70	15	26	9	<1		23	"
	449	0	0	0	70	30	C	20	"	-	✓	70	19	39	12	<1		22	"
	700450	0	0	0	80	20	C	20	"	-	✓	80	17	36	12	<1		21	"
	451	0	0	0	70	30	C	20	"	-	✓	80	13	31	11	<1		20	"
	452	0	0	0	70	30	C	20	"	-	✓	70	15	31	9	<1		22	"
	453	0	0	0	80	20	C	20	"	-	✓	60	8	16	5	<1		17	"
	700454	0	0	0	80	20	C	20	"	-	✓	60	9	21	6	<1		18	"

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AREA/PROSPECT EUDUNDA SAMPLE Nos. D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50000 GEOLOGIST T.E.M. DATE Nov '78

ANALYSED BY A.A.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Count c.p.s	
EUDUNDA	700455	0	0	0	70	30	C	20	Br	–	✓	60	6	16	6	<1		18	Decomp. siltstone
50m LINE 10	700456	0	0	0	70	30	C	20	Br	–	✓	40	8	19	6	<1		20	Ditto
(Cont.)																			

TENEMENT E.L. 381 GEOCHEMICAL SOIL SAMPLING LEDGER Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos. D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50 000 GEOLOGIST T.E.M. DATE May '78

A3005 ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700457	0	0	0	70	30	C	20	Br	–	✓	80	19	39	12	<1		24	Decomp. siltstone
SOIL LINE II	458	0	0	0	70	30	C	20	Br	–	✓	50	13	26	10	<1		26	Ditto
W→E	459	0	0	0	50	20	C	20	Br	–	✓	50	13	26	10	<1		23	"
(Sample Int. = 60m)	700460	0	0	0	70	30	C	20	Br	–	✓	80	15	34	12	<1		22	"
	461	10	0	0	60	30	C	20	Br	–	✓	70	15	31	12	<1		24	"
	462	20	0	0	60	20	C	20	Br	–	✓	70	15	29	12	<1		27	"
	463	10	0	0	60	30	C	20	Br	–	✓	70	13	29	8	<1		20	"
	464	0	0	0	70	30	C	20	Br	–	✓	70	11	47	12	<1		26	"
	465	20	0	0	60	20	C	20	Br	–	✓	60	8	34	7	1		23	"
	466	30	0	0	50	20	C	20	"	–	✓	30	6	31	7	1		26	"
	467	20	0	0	60	20	C	40	Lt. Br	–	✓	50	13	42	13	1		24	"
	468	5	0	0	65	30	C	20	Br	–	✓	60	11	29	8	1		27	"
	469	10	0	0	60	30	C	20	Br	–	✓	60	8	26	6	1		20	"
	700470	0	0	0	70	30	C	20	Br	–	✓	60	19	50	13	1		24	"
	471	0	0	0	70	30	C	20	"	–	✓	70	15	36	13	1		23	"
	472	0	0	0	80	20	C	20	Br	–	✓	70	17	36	13	1		25	"
	473	20	0	0	60	20	C	20	"	–	✓	40	21	34	11	2		23	"
	474	20	0	0	60	20	C	20	Lt. Br	–	✓	40	21	36	14	2		22	"

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381 — Page No. .....
AREA/PROSPECT EUDUNDA — SAMPLE Nos. ..... — D.P.O. No. B0006
PLAN REFERENCE EUDUNDA 1:50 000 — GEOLOGIST T.E.M. DATE May '78
ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Cansked	Est. Depth to	Pb	Zn	Cu	Ag		C.P.S.	
EUDUNDA	700475	20	0	0	60	20	C	20	Br	-	✓	50	19	31	10	2		25	Decomp. siltstone + calcrete
SOIL LINE 12	476	20	0	0	60	20	C	20	Br	-	✓	40	17	45	15	2		28	Decomp. meta siltstone
E → W	477	0	0	0	70	30	C	20	Br	-	✓	40	13	36	8	1		26	Decomp. siltstone
Sample lost	478	0	0	0	70	30	C	20	Br	-	✓	50	13	47	9	1		23	Ditto
- 50m	479	10	0	0	60	30	C	30	Br	-	✓	50	8	34	8	<1		21	"
	700480	10	0	0	60	30	C	20	Br	-	✓	50	7	26	8	<1		22	"
	481	10	0	0	60	30	C	20	Br	-	✓	40	13	37	11	<1		23	"
	482	0	0	0	70	30	C	20	Br	-	✓	50	13	39	9	<1		27	"
	483	30	0	0	50	20	C	20	"	-	✓	50	12	39	8	1		20	"
	484	30	0	0	50	20	C	20	"	-	✓	40	12	26	10	1		20	"
	485	0	0	0	70	30	C	20	"	-	✓	50	11	29	7	1		23	"
	486	10	0	0	60	30	C	20	"	-	✓	50	13	31	6	<1		21	"
	487	20	0	0	60	20	C	20	"	-	✓	40	15	34	9	<1		19	"

TENEMENT Eudunda E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT Eudunda — SAMPLE Nos. — D.P.O. No. B 0006

PLAN REFERENCE Eudunda 1:50000 Photo mosaic — GEOLOGIST T.E.M. DATE May '73

A 2986 — ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth m	Pb	Zn	Cu	Ag		Scint. C.P.S.	
Eudunda	700488	20	0	0	60	20	C	20	Br	-	✓	50	13	54	15	<1		32	Decomp. siltstone
Soil line 13	9	20	0	0	60	20	C	20	Gr-Br	-	✓	40	12	57	9	<1		36	Ditto
E→W.	700490	0	0	0	70	30	C	20	Br	-	✓	50	8	31	7	<1		30	"
Sample Int.	1	0	0	0	70	30	C	20	"	-	✓	50	11	39	10	<1		28	"
= 50m	2	30	0	0	50	20	C	10	Gr.Br	✓	-	-	6	50	10	<1		34	Decomp. & wthrd. siltstone
	3	30	5	0	45	20	C	10	"	-	✓	15	6	50	13	<1		30	Decomp. & wthrd siltstone
	4	50	0	0	30	20	C	10	"	-	✓	15	11	36	10	<1		31	Ditto
	5	20	0	0	60	20	C	15	Br	-	✓	20	11	39	7	<1		30	"
	6	30	0	0	50	20	C	20	Gr-Br	-	✓	30	8	54	14	<1		29	"
	7	30	0	0	50	20	C	20	Br	-	✓	30	8	34	8	<1		30	"
	8	20	0	0	60	20	C	20	"	-	✓	40	10	34	14	<1		32	Decomp. siltstone
	9	20	0	0	60	20	C	20	"	-	✓	40	11	36	17	1		29	Ditto
	700500	0	0	0	70	30	C	20	"	-	✓	50	8	29	8	1		32	"
	700501	40	0	0	40	20	C	20	"	-	/	30	13	39	13	1		28	Wthrd. & decomp. siltstone.

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. B0006 Page No.

AREA/PROSPECT Eudunda SAMPLE Nos.

PLAN REFERENCE Riverton 1:50 000

GEOLOGIST T.E.M. DATE May '78

A 9009

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag		SCINT. C.P.S.	
Eudunda	700502	0	0	0	70	30	C	20	Br	-	✓	50	13	29	9	1		22	Decomp. siltstone.
Gov. Line to	503	0	0	0	70	30	C	20	Br	-	✓	50	11	31	9	<1		26	Ditto
E → W	504	0	0	0	70	30	C	20	Br	-	✓	50	17	34	10	<1		22	"
Sample interval	505	0	0	0	70	30	C	20	Br	-	✓	40	15	39	11	<1		36	"
= 50m	506	0	0	0	70	30	C	20	Br	-	✓	50	13	24	10	<1		25	"
	507	0	0	0	70	30	C	20	"	-	✓	60	13	26	10	<1		18	"
	508	0	0	0	70	30	C	20	Br	-	✓	80	13	26	11	<1		28	"
	700509	0	0	0	70	30	C	20	Br	-	✓	100	13	29	10	<1		26	

TENEMENT E.L 381 GEOCHEMICAL SOIL SAMPLING LEDGER Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos. D.P.O. No. B0006

PLAN REFERENCE RIVERTON 1:50 000 GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm:						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth: to	Pb	Zn	Cu	Ag		SCINT C.P.S.	
EUDUNDA	700510	0	0	0	70	30	C	20	Br	-	✓	40	15	29	11	<1		27	Decomp siltstone
SOIL LINE 15	511	0	0	0	60	40	C	20	Br	-	✓	50	15	31	11	<1		25	Ditto
E → W	512	20	0	0	80	20	C	20	Br	-	✓	40	15	47	14	<1		25	"
Sample Int.	513	0	0	0	70	30	C	20	Br	-	✓	50	12	36	12	<1		23	"
50m	514	0	0	0	70	30	C	20	Br	-	✓	60	12	31	10	<1		21	"
	515	0	0	0	60	40	C	30	Br	-	✓	70	11	29	10	<1		24	"
	516	0	0	0	70	30	C	20	Br	-	✓	70	19	34	13	<1		25	"
	700517	0	0	0	70	30	C	30	Br	-	✓	70	11	24	9	<1		20	"

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No. .....

TENEMENT E.L 381 D.P.O. No. B0006

AREA/PROSPECT EUDUNDA SAMPLE Nos. .....

GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE EUDUNDA 1:50 000 ANALYSED BY Z-C

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. c.p.s.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700518	0	0	0	70	30	C	20	Br	–	✓	60	15	36	10	<1		28	Decomp. siltstone
Soil Line 16	519	0	0	0	70	30	C	20	Br	–	✓	60	19	42	13	<1		23	Pitts
E→W	700520	0	0	0	60	40	C	20	Br	–	✓	50	17	31	10	<1		23	"
Sample Int.	521	0	0	0	70	30	C	20	Br	–	✓	60	15	26	9	<1		21	"
=50m	522	0	0	0	50	50	C	20	Br	–	✓	70	23	36	12	1		26	"
	700523	0	0	0	70	30	C	20	Br	–	✓	70	23	34	11	<1		20	"
	700524	0	0	0	70	30	C	20	Br	–	✓	70	15	23	10	<1		22	"

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E L 381 — Page No.

AREA/PROSPECT ENDUNDA — SAMPLE Nos. — D.P.O. No. B0006

PLAN REFERENCE ENDUNDA 1:50 000 — GEOLOGIST T.E.M. — DATE May '75

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
ENDUNDA	700525	0	0	0	70	30	C	20	Br	-	✓	50	17	34	12	<1		21	Decomp siltstone
SOIL LINE 17	526	5	0	0	65	30	C	20	Br	-	✓	40	12	42	13	<1		23	Ditto + calcrete
E → W	527	0	0	0	70	30	C	20	Br	-	✓	40	12	42	12	<1		19	Decomp siltstone (opposite roadside quarry)
Sample int.	528	10	0	0	60	30	C	20	Br	-	✓	40	10	47	12	<1		18	Ditto + calcrete
+ 50m	529	0	0	0	50	20	C	20	Br	-	✓	50	15	42	13	<1		23	Decomp siltstone
	700530	0	0	0	70	30	C	20	Br	-	✓	50	21	69	12	<1		30	Ditto
	700531	30	●	0	50	20	C	20	Br	-	✓	40	100	72	19	<1		25	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50 000

GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		C.P.S.	
EUDUNDA	700532	10	C	0	60	30	C	20	Br	-	✓	40	19	47	17	<1		21	Dk comp siltstone & calcrete
SOIL LINE 18	533	20	0	0	50	30	C	20	Br-Dk	-	✓	40	12	63	25	1		21	Dk comp. siltstone
E→W.	534	20	0	0	60	20	C	20	" "	-	✓	40	34	54	19	<1		25	Ditto
Sample int.	535	20	0	0	60	20	C	20	" "	-	✓	40	25	47	66	1		20	" + calcrete
= 50m.	536	0	0	0	70	30	C	20	Br	-	✓	50	13	50	14	<1		20	Dk comp siltstone.
	537	0	0	0	70	30	C	20	Br	-	✓	60	13	36	9	<1		25	Ditto
	538	0	0	0	70	30	C	20	Br	-	✓	60	11	39	10	<1		26	"
	700539	0	0	0	60	40	C	20	Br	-	✓	40	21	59	20	1		22	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT EUDUNDA

SAMPLE Nos.

D.P.O. No. B0006

PLAN REFERENCE RIVERTON 1:50000

GEOLOGIST T.E.M. DATE May '78

A 9005

ANALYSED BY R.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint c.p.s.	
EUDUNDA	700545	0	5	0	65	30	C	20	Br	-	✓	50	17	42	17	<1		38	Decomp. siltstone.
SOIL LINE 19	541	0	0	0	50	50	C	20	Br	-	✓	50	19	47	14	1		24	Ditto
E→W	542	0	0	0	60	40	C	20	Br	-	✓	60	19	36	12	<1		23	"
Sample Int.	543	0	0	0	70	30	C	20	Br	-	✓	60	12	24	10	<1		27	"
= 50m.	544	0	5	0	65	30	C	20	Br	-	✓	60	17	29	11	<1		26	"
	545	0	0	0	80	20	C	20	Br	-	✓	60	15	24	10	<1		23	"
	546	0	0	0	70	30	C	20	"	-	✓	70	12	19	7	<1		23	"
	547	0	0	0	80	20	C	20	"	-	✓	80	15	23	8	<1		23	"
	548	10	0	10	60	20	C	20	Br	-	✓	80	23	24	8	<1		22	Decomp. sandy siltstone
	549	0	0	0	70	30	C	20	Br	-	✓	80	13	26	10	<1		20	Decomp. siltstone
	700550	0	0	0	70	30	C	20	Br	-	✓	80	13	21	8	<1		21	" "

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

TENEMENT E.L. 381 D.P.O. No. B0006

AREA/PROSPECT EUDUNDA SAMPLE Nos. GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE EUDUNDA 1:50,000 ANALYSED BY Z.C

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					SCINT. C.P.S.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag			
EUDUNDA	700551	0	0	0	70	30	C	20	Br	-	✓	50	17	50	17	<1		35	Decomp. siltstone
SOIL LINE 20	552	0	0	0	70	30	C	20	Br	-	✓	50	34	60	12	<1		27	Ditto
E → W	553	10	0	0	60	30	C	20	Br	-	✓	50	28	104	19	<1		22	" + calcrete
Sample Int = 50m.	554	30	0	0	50	20	C	20	Br	-	✓	30	17	72	14	<1		36	" " "
	555	0	0	0	70	30	C	20	Br	-	✓	40	19	107	17	<1		30	Decomp. siltstone
	556	0	0	0	70	30	C	20	Br	-	✓	50	12	57	11	<1		29	Ditto
	557	20	5	0	50	25	C	20	Br	-	✓	50	13	50	23	<1		28	"
	558	10	5	0	55	30	C	20	Br	-	✓	50	15	54	14	<1		24	" + calcrete
	559	0	0	0	70	30	C	20	Br	-	✓	50	8	34	10	<1		20	Decomp. siltstone
	700560	0	0	0	70	30	C	20	"	-	✓	60	12	45	13	<1		28	Ditto
	700561	0	0	0	70	30	C	20	"	-	✓	70	15	50	15	<1		26	"

TENEMENT E.L 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

D.P.O. No. B0006

PLAN REFERENCE EUDUNDA 1:50 000

GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinates	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. c.p.s.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Eudunda	700562	0	0	0	70	30	C	20	Br	–	✓	70	8	39	13	1		23	Decomp. siltstone
Soil Line 21	563	0	0	0	70	30	C	20	Br	–	✓	70	6	39	13	<1		20	Ditto
NW→SE	564	0	0	0	70	30	C	20	Br	–	✓	70	6	42	12	<1		23	"
Samples	565	20	0	0	60	20	C	20	Gy.Br.	–	✓	40	5	69	41	<1		24	Decomp. & wtd. d. siltstone.
50m.	566	10	0	0	70	20	C	20	Br	–	✓	50	8	63	19	<1		25	Decomp. siltstone + calcrete.
	567	20	0	0	60	20	C	20	Br	–	✓	50	8	69	18	<1		28	Decomp. & wtd. d. siltstone.
	568	0	0	0	70	30	C	20	Br	–	✓	60	11	57	13	<1		26	Decomp. siltstone
	569	0	0	0	70	30	C	20	"	–	✓	70	12	47	11	<1		30	Ditto
	700570	0	0	0	70	30	C	20	"	–	✓	70	15	50	11	<1		27	"
	571	0	0	0	70	30	C	20	"	–	✓	70	15	42	12	<1		21	"

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L 381 — AREA/PROSPECT Eudunda — SAMPLE Nos. — PLAN REFERENCE TRURO 1:63000

D.P.O. No. B0006 — Page No. — GEOLOGIST T.E.M. — DATE May '78 — ANALYSED BY Z.C.

A 9096

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. c.p.s.	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Eudunda	700572	0	0	0	70	30	C	20	Br	–	✓	70	6	24	8	<1		27	Decomp. siltstone
Soil Line 22	573	0	0	0	70	30	C	20	"	–	✓	60	5	18	7	<1		21	Ditto.
E → W	574	0	0	20	50	30	C	20	"	–	✓	50	6	21	7	<1		28	Decomp. sandy siltstone
Sample Int.	575	30	0	0	40	30	C	20	"	–	✓	50	11	31	15	<1		20	Decomp. sandy siltstone
= 50m	576	0	0	0	70	30	C	20	Br	–	✓	60	8	24	9	<1		25	Decomp. siltstone.
	577	0	0	0	70	30	C	20	"	–	✓	70	11	29	10	<1		22	Ditto.
	578	0	0	0	70	30	C	20	"	–	✓	70	9	26	7	<1		24	"
	579	0	0	0	70	30	C	20	"	–	✓	70	7	29	7	<1		27	"
	700580	0	0	0	70	30	C	20	"	–	✓	70	13	45	9	<1		26	"
	581	0	0	0	70	30	C	20	"	–	✓	70	9	31	9	<1		25	"

TENEMENT E.L 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT EUDUNDA SAMPLE Nos.

D.P.O. No. B0006

GEOLOGIST T.E.M. DATE May '78

PLAN REFERENCE TRURO 1:50 000

ANALYSED BY Z.C.

A 3986

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag		Scav. C.S.	
Eudunda	700592	0	0	0	70	30	C	20	Br	-	✓	10	6	21	9	<1		30	Decomp. siltstone.
Soil Line 23	553	20	0	0	60	20	C	20	Br	-	✓	60	5	18	18	<1		28	Ditto.
E→W	554	0	0	0	60	40	C	20	Br	-	✓	60	12	36	18	<1		27	"
Sample Int	555	0	0	0	70	30	C	20	"	-	✓	60	6	21	13	<1		24	"
= 50m	586	10	0	0	60	30	C	20	"	-	✓	60	5	21	10	<1		24	"
	587	10	0	0	60	30	C	20	"	-	✓	60	8	26	12	<1		27	"
	588	0	0	0	70	30	C	20	"	-	✓	70	10	31	19	<1		28	"
	589	0	0	10	60	30	C	20	"	-	✓	70	11	23	7	<1		25	"
	700590	20	0	10	50	20	C	20	"	-	✓	60	6	13	5	<1		27	Decomp. stone
	700591	0	0	0	70	30	C	20	"	-	✓	60	8	29	9	<1		29	Decomp. siltstone.

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT EUDUNDA

SAMPLE Nos.

PLAN REFERENCE TR480 1:50 000

D.P.O. No. B0006

GEOLOGIST T.C.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag		SCINT C.P.S	Geological observations
Eudunda	700592	20	0	0	60	20	C	20	Br	—	✓	25	8	31	25	<1		30	[illegible]
Soil line 24	593	10	0	0	60	30	C	20	Br	—	✓	30	7	19	21	<1		25	Ditto
SW → NE	594	20	0	0	60	20	C	20	Br	—	✓	30	5	7	8	<1		25	"
Sample int.	595	20	0	0	[illegible]	20	C	20	Br	-	✓	30	8	24	64	<1		32	" ([illegible])
= 50m	596	0	0	0	70	30	C	20	Br	-	✓	40	11	11	13	<1		32	"
	597	0	0	0	70	30	C	20	Br	-	✓	50	8	14	11	<1		28	"
	598	10	0	0	60	30	C	20	"	—	✓	50	13	14	37	<1		36	"
	599	0	0	0	70	30	C	20	"	-	✓	50	8	16	23	<1		30	"
	700600	0	0	0	70	30	C	20	"	-	✓	50	8	24	27	<1		28	"

TENEMENT EL 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT EUDUNDA — SAMPLE Nos — D.P.O. No. B0006

PLAN REFERENCE TRUR 1:50 000 — GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag		SCINT C.P.S.	Geological observations
EUDUNDA	700701	20	0	0	60	20	C	20	Gr Br	-	✓	40	6	26	17	<1		27	Decomposed schist
SOIL LINES	702	10	0	0	70	20	C	20	Br	-	✓	50	8	19	7	<1		30	Ditto
E → W	703	30	5	0	45	20	C	20	Gr Br	-	✓	25	5	19	13	<1		24	"
Sample int	704	0	0	0	70	30	C	20	Br	-	✓	50	13	45	19	<1		32	Decomposed schist
= 50m	705	0	0	0	70	30	C	20	Br	-	✓	50	6	45	8	<1		34	Ditto
	706	20	0	0	50	30	C	20	"	-	✓	50	5	54	8	<1		40	"
	700707	0	0	0	70	30	C	20	"	-	✓	60	8	75	13	<1		38	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT CUDUNDA

SAMPLE Nos.

D.P.O. No. B0006

PLAN REFERENCE TRURO 1:50,000

GEOLOGIST T.G.M. DATE May '78

A [illegible]

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag		SCINT CPS	Geological observations
Cudunda	700708	0	0	0	70	30	C	20	Br	-	✓	200+	8	16	9	<1		25	Decomp. siltstone (?)
Soil line 26	709	0	0	0	70	30	C	20	Br	-	✓	200+	3	11	6	<1		25	Ditto
SW→NE.	700710	0	0	0	70	30	C	20	Br	-	✓	100+	4	11	8	<1		30	"
Sample	711	0	0	0	70	30	C	20	"	-	✓	100	3	11	5	<1		30	Decomp. siltstone
int. = 50m	712	0	0	0	70	30	C	20	"	-	✓	70	3	7	6	<1		22	"
	713	0	0	0	70	30	C	20	"	-	✓	80	6	5	6	<1		20	"
	714	0	0	0	70	30	C	20	"	-	✓	70	5	1	6	<1		28	"
	715	0	0	0	60	40	C	20	"	-	✓	50	8	42	40	<1		27	"
	716	0	0	0	70	30	C	20	Or-Br	-	✓	50	6	18	20	1		29	"
	700717	0	0	0	70	30	C	20	Br	-	✓	50	7	6	25	<1		30	"

TENEMENT E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT Eudunda SAMPLE Nos.

D.P.O. No. D0006

PLAN REFERENCE True to Bearing

GEOLOGIST T.E.M. DATE Mar 78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.					Scint. c.p.s	Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Eudunda	700719	0	0	0	70	30	C	20	Br	-	✓	80	6	29	9	<1		31	Decomp. siltstone (?)
Gold Line 27	719	0	0	0	70	30	C	20	Br	-	✓	80	8	39	9	<1		26	Ditto
E→W	700720	5	0	0	65	30	C	20	"	-	✓	80	5	72	27	<1		32	Decomp. siltstone
Sample	721	0	0	0	70	30	C	20	"	-	✓	80	3	50	9	<1		22	Ditto
1.2 - 80m.	722	0	0	0	70	30	C	20	"	-	✓	80	4	50	9	<1		24	"
	723	10	0	0	60	30	C	20	"	-	✓	60	4	59	7	<1		25	"
	724	0	0	0	70	30	C	20	"	-	✓	70	3	34	4	<1		21	"
	725	0	0	0	80	20	C	20	"	-	✓	80	3	31	6	<1		27	"
	726	0	0	0	70	30	C	20	"	-	✓	80	11	39	11	<1		25	"
	727	0	0	0	70	30	C	20	"	-	✓	90	11	36	7	<1		28	"
	728	0	0	0	70	30	C	20	"	-	✓	100	11	36	7	<1		18	"
	729	0	0	0	70	30	C	20	"	-	✓	100	15	62	11	<1		23	"
	700730	0	0	0	70	30	C	20	"	-	✓	100	15	56	15	<1		29	"
	731	0	0	0	80	20	C	20	"	-	✓	100+	3	18	6	<1		28	"
	732	0	0	0	70	30	C	20	"	-	✓	100+	6	20	7	<1		27	"
	733	0	0	0	80	20	C	20	"	-	✓	100+	6	20	6	<1		24	"
	734	0	0	0	70	30	C	20	"	-	✓	100+	6	18	7	<1		22	"
	735	0	0	0	70	30	C	20	"	-	✓	100+	6	13	9	<1		20	"
	736	0	0	0	70	30	C	20	"	-	✓	80	8	23	20	<1		22	"
	737	0	0	0	70	30	C	20	"	-	✓	80	5	15	12	<1		23	"
	700738	10	0	0	60	30	C	20	"	-	✓	80	8	20	48	<1		29	"

TENEMENT E.L. 381 ENDURA

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT KARINYA SHALE SAMPLE Nos.

D.P.O. No. 30011

PLAN REFERENCE TRURO 1:50 000 Plate number A3805

GEOLOGIST T.E.M. DATE June '78

ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	Scint CPS	
Karinya	700945	0	0	0	50	50	C	40	Br	-	✓	100	10	28	22		4	51	Decomp. siltstone
Line 1	6	0	0	20	50	30	C	40	Br	-	✓	80	10	12	8		4	50	Decomp sandy siltstone
E → W.	7	0	0	20	50	30	C	20	Br	-	✓	40	8	15	10		4	42	Ditto
Sample	8	0	0	10	60	30	C	20	"	-	✓	40	8	15	10		4	44	"
interval	9	0	0	10	60	30	C	20	"	-	✓	30	8	12	8		4	40	" (adjacent to small gravity)
=50m	700950	0	5	0	65	30	C	20	Br	-	✓	50	12	12	16		6	43	Decomp. siltstone
	1	10	0	0	60	30	C	20	Br	-	✓	50	8	15	12		4	40	Ditto + qtz
	2	10	0	0	60	30	C	20	Br	-	✓	60	8	20	10		4	40	Ditto
	700953	10	0	20	40	30	C	20	Br	-	✓	70	8	19	12		4	39	Decomp. sandy siltstone
	700954	100	-	-	-	-	-	-	Grey	✓	-	-	5	22	50		6	85	Karinya shale in road cutting. Grey (carb in part), laminated and cross-bedded siltstone and sandy siltstone. Truncation of combeds suggests younging to the east

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GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT El 381 Eudunda — Page No.
AREA/PROSPECT Karinya Shale — SAMPLE Nos.
D.P.O. No. B 0011
PLAN REFERENCE Truro 1:50000 Photomosaic — GEOLOGIST T.E.M. — DATE June '78
A 9096 — ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag	U.	SCINT. C.P.S.	
Karinya	700955	10	0	0	40	50	C	30	Br	-	✓	70	60	42	70		6	50	Decomp. shale
Line 2	56	0	0	0	50	50	C	20	Black	-	✓	40	70	18	100		6	55	Decomp. carb. shale
E→W.	57	30	0	0	30	40	C	30	Grey	-	✓	40	22	22	32		10	52	Decomp. shale
	58	0	0	0	30	70	C	30	R-br	-	✓	70	30	880	70		8	45	Ditto
Sample	59	0	0	0	30	70	C	20	Dk br	-	✓	50	48	100	80		8	50	"
Interval 50m	700960	0	0	0	40	60	C	20	" "	-	✓	50	55	65	60		8	53	"
	1	20	0	0	30	40	C	20	" "	-	✓	30	130	38	38		6	42	Decomp. carb. shale
	2	20	0	0	40	40	C	20	Br	-	✓	30	70	12	100		6	43	Decomp. shale
	3	0	0	0	30	70	C	20	Dk Br	-	✓	50	48	12	42		4	40	Decomp. carb. shale
	4	10	0	0	30	60	C	20	Br	-	✓	50	10	40	22		4	30	Decomp. shale
	5	30	0	0	30	40	C	20	"	-	✓	30	5	45	18		4	35	Ditto
	6	20	0	0	30	50	C	20	"	-	✓	30	15	45	15		4	39	"
	7	10	0	0	30	60	C	20	Mid br	-	✓	30	8	45	15		4	30	Decomp. ferug. shale
	8	0	0	10	50	40	C	20	Br	-	✓	40	15	35	15		4	32	Decomp sandy silt stone
	700969	20	0	0	30	50	C	20	Br	-	✓	40	10	70	25		<4	35	Decomp. shale.
	700970	100	-	-	-	-	-	-	Black	✓	-	-	1800	2	180		6	65	Karinya shale ok in road cutting.
																			Black carb. shale with Fe staining on
																			joints. Silky bands show intense folding

Page No.

TENEMENT Eudunda E.L. 381 GEOCHEMICAL SOIL SAMPLING LEDGER D.P.C. No. B 0011

AREA/PROSPECT Kanmya Shale SAMPLE Nos. GEOLOGIST T. E. H. DATE June '78

PLAN REFERENCE Town 1:50 000 Photo mosaic ANALYSED BY AMDEL

A308

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth m	Pb	Zn	Cu	Ag	U	SCINT c.p.s.	
Kanmya	700971	0	0	0	40	60	C	20	Br	-	✓	40	22	28	10		4	50	Decomp. shale (?)
Line 3	2	0	0	0	50	50	C	20	"	-	✓	50	38	22	25		6	50	Decomp. shale.
E → W	3	10	0	0	40	50	C	20	Br & Dark	-	✓	40	42	160	42		6	39	Decomp carb. shale.
Sample	4	10	0	0	40	50	C	20	Br	-	✓	40	28	210	38		6	45	Decomp. shale.
Interval = 50m	5	0	0	0	40	60	C	20	Br	-	✓	60	32	100	20		4	44	Ditto
	6	0	0	0	40	60	C	20	"	-	✓	60	55	125	28		4	40	"
	7	20	0	0	40	40	C	20	"	-	✓	40	100	190	85		8	50	Decomp carb. shale
	8	20	0	0	40	40	C	20	Dark	-	✓	40	15	180	20		4	40	Decomp. carb shale
	9	10	0	0	50	40	C	20	Br	-	✓	30	28	100	48		6	42	Ditto
	700980	20	0	0	40	40	C	20	"	-	✓	30	5	38	12		4	40	Decomp shale
	1	20	0	0	30	50	C	20	"	-	✓	30	12	35	25		4	40	Ditto
	700982	10	0	0	50	40	C	20	"	-	✓	30	8	20	12		<4	45	Decomp siltstone

TENEMENT Eudunda E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

D.P.O. No. B0011

AREA/PROSPECT Karinya Shale

SAMPLE Nos.

GEOLOGIST T.E.M. DATE June '78

PLAN REFERENCE Truro 1:50 000 Photo mosaic

ANALYSED BY AMDEL

A 9995

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	U	Scint C.P.S.	Geological observations
Karinya	700983	0	0	10	60	30	C	20	Br	–	✓	30	12	40	9		6	45	Decomp. siltstone
Line 4	4	0	0	0	60	40	C	20	Br	–	✓	30	230	80	50		6	52	Ditto
E→W.	5	10	0	0	40	50	C	20	Br & Black	–	✓	40	120	65	38		6	45	Decomp. carb shale
Sample	6	20	0	0	40	40	C	15	Br	–	✓	20	8	28	8		4	50	Decomp shale.
Interval	700987	10	0	20	30	40	C	20	Br	–	✓	30	10	30	18		4	48	Decomp. sandy siltstone
= 50m																			

TENEMENT Eudunda E.L.381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT Kanmantoo Shale — SAMPLE Nos. — D.P.O. No. B00 11

PLAN REFERENCE Town 1:50 000 — GEOLOGIST T.E.M. — DATE June '78

ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	SCINT. C.P.S.	
Kanmantoo	700988	10	0	0	50	40	C	20	Br	–	✓	40	15	22	20		4	30	Decomp. siltstone
Line 5	9	20	0	0	40	40	C	20	Br	–	✓	30	18	35	22		6	30	Decomp. shale
E→W	700990	20	0	0	50	30	C	20	Br & Yellow	–	✓	30	18	30	55		6	33	Decomp. carb. shale
Sample	1	0	0	0	50	50	C	20	Br	–	✓	30	22	65	55		<4	30	Ditto
Int. = 90m	2	0	0	0	50	50	C	20	Br	–	✓	30	30	65	40		<4	38	Decomp. shale
	3	0	0	0	50	50	C	20	Brown	–	✓	40	22	15	15		4	40	Decomp. carb shale
	4	5	0	0	55	40	C	20	Br	–	✓	50	22	15	10		6	35	Decomp. siltstone
	700995	0	0	20	40	40	C	20	Br	–	✓	40	8	15	10		4	35	Decomp. sandy siltstone

TENEMENT Eudunda E.L. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No. ....

D.P.O. No. B 0011

AREA/PROSPECT Kooringa Shale

SAMPLE Nos. ....

GEOLOGIST T.E.M. DATE June '78

PLAN REFERENCE Truro 1:50000 Photo mosaic

ANALYSED BY AMDEL

A 1896

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	U	Scint. C.P.S.	Geological observations
Kooringa	700996	0	0	0	50	50	C	20	Br	-	✓	50	18	30	25		6	26	Decomp. siltstone
Line 6	7	10	0	0	50	40	C	30	Br	-	✓	60	18	28	22		< 4	24	Silt, clay, calcrete, from on top of impenetrable calcrete layer
E → W	8	20	0	0	50	30	C	30	Br	-	✓	60	10	15	15		< 4	28	Ditto
Sample Int.	9	20	0	0	50	30	C	30	Br	-	✓	60	18	30	18		< 4	32	Calcrete, siltstone, silt & clay.
= 50m	701000	20	0	0	50	30	C	30	Br	-	✓	60	10	25	15		4	25	Calcrete, silt & clay.
	700744	0	0	0	50	50	C	30	Br	-	✓	60	28	55	28		4	33	Decomp. shale(?)
	5	10	0	0	60	30	C	30	R-br	-	✓	50	22	32	15		4	28	Decomp siltstone
	700746	0	0	0	60	40	C	30	Br	-	✓	60	15	32	15		4	25	Silt & clay from above calcrete layer.

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: Erlunda E.L. 381
AREA/PROSPECT: Karinga Shale
SAMPLE No:
PLAN REFERENCE: Truro 1:50 000 Photo mosaic
AREA:

Page No.:
D.P.O. No.: B0011
GEOLOGIST: T.E.M. DATE: June '78
ANALYSED BY: AMDEL

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	U.	Scint C.P.S.	Geological observations
Karinga	700747	0	0	0	60	40	C	20	Br	-	✓	30	15	32	12		4	35	Decomp. siltstone.
Line 7	8	0	0	0	50	50	C	20	Br	-	✓	40	35	60	28		4	40	Decomp. shale
E→W	9	20	0	0	40	40	C	20	Br	-	✓	30	15	55	15		8	45	Decomp. carb. shale
Sample int.	700750	0	0	0	50	50	C	20	Br	-	✓	40	28	80	40		4	39	Ditto
= 50m	630368	0	0	0	50	50	C	20	"	-	✓	50	18	40	20		4	40	Decomp. shale.
	9	0	0	0	40	60	C	20	"	-	✓	50	18	35	25		<4	35	Ditto
	630370	0	0	0	50	50	C	20	"	-	✓	60	28	75	28		4	34	"
	1	0	0	0	50	50	C	20	"	-	✓	60	18	50	20		4	40	"
	2	0	0	0	50	50	C	20	"	-	✓	60	18	35	20		<4	34	Decomp. carb. shale
	630373	20	0	0	40	40	C	20	"	-	✓	30	15	30	15		4	34	Decomp. shale..
	630374	100	-	-	-	-	-	-	Br-gr	✓	-	-	95	150	90		10	48	Carb. shale, ferruginised and transected
																			by numerous small limonite-qtz veins.
																			(1 chip taken per m over 20m across strike)
																			O/c in creekbed 50m S of 630372.

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: Eudunda E.L. 391
AREA/PROSPECT: Karinya Shale
SAMPLE Nos.:
PLAN REFERENCE: Truro 1:50 000 Photo mosaic
A 9005

Page No.:
D.P.O. No.: B0011
GEOLOGIST: T.E.M. DATE: June '78
ANALYSED BY: AMDEL

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	U.	Scint. C.P.S.	Geological observations
Karinya	630375	0	0	0	60	40	C	20	Br	-	✓	40	15	50	20		<4	34	Decomp. siltstone
Line 8	6	20	0	0	40	40	C	20	Br	-	✓	30	12	80	22		6	42	Ditto
NE → SW.	7	20	0	0	40	40	C	20	Br	-	✓	30	12	42	28		6	42	"
Sample Int.	8	0	0	0	50	50	C	20	"	-	✓	40	15	[illegible]	25		4	38	"
= 50m	9	30	0	0	40	30	C	20	"	-	✓	30	15	125	15		4	38	Decomp. shale
	630380	20	0	0	30	50	C	20	Lt Black	-	✓	40	42	85	28		4	40	Decomp. carb. shale
	1	20	0	0	30	50	C	20	Br	-	✓	40	48	105	45		4	35	Ditto
	630382	0	0	0	40	60	C	30	Br	-	✓	60	18	45	28		4	30	Decomp. shale

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

TENEMENT Eudunda E.L. 381 — D.P.O. No. B0011

AREA/PROSPECT Karinya Shale — SAMPLE Nos. — GEOLOGIST T.E.M. — DATE June '78

PLAN REFERENCE Truro 1:50 000 Photo mosaic — ANALYSED BY AMDEL

Grid Co-ordinates	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	Scint C.P.S.	
Karinya	630383	0	0	10	40	50	C	20	Br	-	✓	60	8	18	12		4	40	Decomp. sandy siltstone (?)
Line 9	4	0	0	10	40	50	C	20	Br	-	✓	60	12	20	22		4	37	Ditto
E → W	5	5	0	0	45	50	C	20	"	-	✓	60	10	15	15		4	38	Decomp. shale (?)
Sample Int.	6	0	0	10	50	40	C	20	"	-	✓	60	12	12	12		<4	35	Prob. transported soil.
=50m	7	30	0	0	40	30	C	50	"	-	✓	70	15	12	12		4	48	Decomp. shale.
	8	20	0	10	40	30	C	50	"	-	✓	70	15	10	8		4	40	Prob. transported soil with quartz siltstone pebbles
	630389	0	0	20	50	30	C	30	"	-	✓	60	8	12	12		4	40	Decomp. sandy siltstone (?)

Page No.

TENEMENT Eudunda E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — D.P.O. No. Boll

AREA/PROSPECT Karinya Shale — SAMPLE Nos. — GEOLOGIST T.E.M. DATE June '78

PLAN REFERENCE Truro 1:50,000 Photo mosaic — ANALYSED BY AMDEL

A 3886

Grid Co-ordinates	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	SCINT C.PS.	
Karinya	630390	10	0	0	60	30	C	20	Br	-	✓	40	10	35	15		4	35	Decomp. siltstone
Line 10	91	20	0	0	50	30	C	20	"	-	✓	40	10	40	15		4	34	Ditto
E→W	630423	0	0	0	40	60	C	20	"	-	✓	40	25	20	18		4	40	Decomp. shale
Sample Int.	4	0	0	0	40	60	C	20	"	-	✓	40	42	40	38		6	36	Ditto
= 50m.	5	0	0	0	50	50	C	20	"	-	✓	60	25	55	38		4	35	"
	630426	0	0	0	40	60	C	20	"	-	✓	70	22	50	32		6	30	" (?)

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

TENEMENT Eudunda EL 381 D.P.O. No. B.0011

AREA/PROSPECT Karinya Shale SAMPLE Nos. GEOLOGIST T.G.M. DATE June '78

PLAN REFERENCE Truro 1:50 000 ANALYSED BY AMDEL.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag	U	SCINT C.P.S.	
Karinya	630427	0	0	0	50	50	C	20	Br	-	✓	80	12	25	28		<4	30	Decomp siltstone (?)
Line J11	8	0	0	0	60	40	C	20	"	-	✓	80	15	25	22		6	32	Ditto
E→W	9	0	0	0	60	40	C	20	"	-	✓	80	15	22	20		<4	30	"
Sample Int.	630430	0	0	10	60	30	C	20	"	-	✓	80	15	20	10		4	32	"
= 50m.	1	0	0	0	40	60	C	20	"	-	✓	80	18	45	28		<4	32	Decomp. shale (?)
	2	0	0	0	40	60	C	20	"	-	✓	80	15	38	20		4	33	Ditto
	3	0	0	0	40	60	C	20	"	-	✓	80	18	40	20		4	30	"
	630434	0	0	0	40	60	C	20	"	-	✓	40	18	35	12		4	40	Decomp. siltstone
																			"

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.....

TENEMENT Eudunda E.L 341 D.P.O. No. 30011

AREA/PROSPECT Karinya Shale SAMPLE Nos. GEOLOGIST T.E.M. DATE June '72

PLAN REFERENCE Trans 1:50 000 ANALYSED BY AMDEL

A 9005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	SCINT C.P.S.	
Karinya	630435	20	0	0	40	40	C	20	Br	–	✓	50	22	60	55		4	40	Decomp. siltstone.
Line 12	6	20	0	0	40	40	C	20	"	–	✓	50	15	42	20		<4	40	Decomp. shale
E → W	7	0	0	0	50	50	C	20	"	–	✓	50	18	45	22		6	42	Ditto
Sample Int.	8	20	0	0	40	40	C	20	"	–	✓	50	25	80	28		4	42	"
= 50m	9	40	0	0	30	30	C	20	Blue	–	✓	25	55	70	70		6	50	Decomp. carb. shale
	630440	0	0	0	50	50	C	20	Br	–	✓	40	22	45	22		4	35	Decomp. shale
	1	20	0	10	40	30	C	20	Br	–	✓	80+	15	45	28		6	40	Prob. alluvial soil & siltstone pebbles
	2	20	0	10	40	30	C	20	"	–	✓	80+	12	30	20		4	35	Prob. transported soil & siltstone
	3	0	0	10	50	40	C	20	"	–	✓	80+	10	35	20		6	34	Prob. transported soil
	630444	20	0	0	40	40	C	20	"	–	✓	30	22	45	18		6	50	Decomp. carb. shale
	630445	10	0	0	50	40	C	20	"	–	✓	40	12	18	15		4	44	Decomp. siltstone

TENEMENT Enfunda E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT Kariya Shale — SAMPLE Nos. — D.P.O. No. Book 11

PLAN REFERENCE Town 1:50000 — GEOLOGIST T.E.M. — DATE June '78

AMG — ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	Scint. c.p.s.	
Kariya	630472	0	0	0	60	40	C	20	Br	-	✓	50	65	140	35		6	42	Decomp siltstone
Line 13	3	30	0	0	30	40	C	20	Br	-	✓	30	250	550	60		12	50	Decomp. carb. shale
E→W.	4	30	0	0	30	40	C	20	"	-	✓	30	70	160	50		10	58	Ditto
Sample Int	5	30	0	0	30	40	C	20	Br/Grey	-	✓	30	45	55	30		6	60	"
= 50m	6	0	0	0	40	60	C	20	Br	-	✓	60	28	45	22		4	42	Decomp shale
	7	40	0	0	30	30	C	20	"	-	✓	25	15	65	20		<4	40	Ditto
	8	60	0	0	20	20	C	20	"	-	✓	25	18	70	95		6	38	"
	9	20	0	0	40	40	C	10	"	-	✓	15	12	70	110		8	42	"
	630480	20	0	0	40	40	C	10	"	-	✓	20	22	85	50		4	35	"
	1	20	0	0	40	40	C	10	"	-	✓	15	12	55	10		4	32	"
	2	10	0	0	50	40	C	15	"	-	✓	20	18	48	10		<4	31	"
	3	0	0	0	60	40	C	20	"	-	✓	40	20	38	15		4	39	" (?)
	630484	20	0	20	40	20	C	20	"	-	✓	40	12	15	10		4	48	Decomp. sandy siltstone

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No. ....

TENEMENT: Endunda E.L. 381

AREA/PROSPECT: Karinya Shale

SAMPLE Nos. ....

PLAN REFERENCE: Truro 1:50 000

D.P.O. No. 30011

GEOLOGIST: T.E.M. DATE: June '78

ANALYSED BY: AMDEL

A 9005

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag	U	SCINT. C.P.S.	Geological observations
Karinya	630485	10	0	10	40	40	C	20	Br	–	✓	50	8	22	10		4	48	Decomp. siltstone.
Line 14	6	0	0	0	60	40	C	20	Br	–	✓	80	18	30	15		4	38	Decomp shale (?)
E → W.	7	0	0	0	60	40	C	20	"	–	✓	80	15	25	10		4	46	Ditto
Sample int.	8	0	0	10	60	30	C	20	"	–	✓	50	10	25	18		4	42	Decomp. siltstone
= 50 m	9	0	0	20	60	20	C	20	"	–	✓	30	10	25	12		6	66	Decomp sandy siltstone
	630490	10	0	20	50	20	C	20	"	–	✓	30	12	25	12		6	52	Ditto

TENEMENT Eubenda E.L. 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** Page No.

AREA/PROSPECT Karinya Shale SAMPLE Nos. D.P.O. No. B0011

PLAN REFERENCE Trunk 1:50000 Photomosaic GEOLOGIST T.G.M. DATE June '78

ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	Scint. c.p.s.	
Karinya	63049	20	0	0	50	30	C	20	Br	-	✓	30	12	65	22		4	44	Decomp shale.
Line 15	2	20	0	0	50	30	C	20	"	-	✓	30	15	65	120		4	52	Ditto
E → W	3	30	0	0	50	20	C	20	"	-	✓	30	140	205	55		4	40	Decomp carb. shale.
Sample int	4	20	0	0	50	30	C	20	"	-	✓	30	12	70	40		<4	35	Ditto.
= 50m	5	10	0	0	50	40	C	10	"	-	✓	20	10	55	10		4	38	"
	6	30	0	0	40	30	C	10	"	-	✓	20	8	55	12		4	42	Decomp shale
	7	10	0	0	50	40	C	20	"	-	✓	40	12	50	15		4	41	Decomp shale
	8	10	0	0	50	40	C	20	"	-	✓	40	12	48	40		4	40	Ditto
	9	30	0	0	40	30	C	20	"	-	✓	30	150	120	110		6	42	"
	630500	30	0	0	30	40	C	20	"	-	✓	30	15	80	10		6	58	"

TENEMENT Eudunda E.L. 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** Page No.

AREA/PROSPECT Karinya Shale SAMPLE Nos.

PLAN REFERENCE Truro 1:50000 Photo mosaic

A 9085

D.P.O. No. B0011

GEOLOGIST T.E.M. DATE June '78

ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag	U	SCINT C.P.S.	Geological observations
Karinya	752001	20	0	10	30	40	C	20	Br	-	✓	40	15	60	32		8	50	Decomp. siltstone.
Line 16	2	0	0	0	40	60	C	20	"	-	✓	50	28	50	25		6	55	Decomp. shale(?)
E → W	3	0	0	0	50	50	C	20	"	-	✓	50	38	38	55		6	55	Ditto
Sample	4	10	0	0	40	50	C	20	"	-	✓	40	32	60	85		12	58	Decomp. shale.
Interval	5	0	0	0	40	60	C	20	"	-	✓	40	28	55	90		12	50	Ditto.
= 50m	6	20	0	0	40	40	C	20	"	-	✓	40	28	85	25		6	52	Decomp. carb. shale
	7	0	0	0	50	50	C	20	"	-	✓	50	22	65	30		4	45	Decomp. shale
	8	0	0	0	40	60	C	20	R.br	-	✓	60	28	70	75		6	45	Ditto(?)
	9	0	0	0	40	60	C	20	"	-	✓	70	28	50	30		4	44	"
	752010	10	0	0	40	50	C	20	"	-	✓	70	60	45	70		6	44	Decomp. shale.
	1	0	0	0	40	60	C	20	Br	-	✓	70	45	18	38		6	44	Ditto
	752012	0	0	0	60	40	C	20	"	-	✓	70	25	20	60		4	42	Decomp siltstone(?)

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

TENEMENT Eudunda E.L. 381 D.P.O. No. B0011

AREA/PROSPECT Karinya Shale SAMPLE Nos.

GEOLOGIST T.E.M. DATE June '78

PLAN REFERENCE Topo 1:50 000 Photomosaic ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	Scint C.P.S.	
Karinya	752013	10	0	0	60	30	C	20	Br	-	✓	30	10	95	18		6	44	Decomp. siltstone
Line H	4	20	0	0	50	30	C	20	"	-	✓	30	8	62	18		4	40	Ditto
E→W	5	40	0	0	30	30	C	5	Black	-	✓	10	80	120	95		6	52	Decomp. carb. shale
Sample	6	30	0	0	30	40	C	20	"	-	✓	30	30	65	40		10	52	Ditto.
Interval=50m	7	10	0	0	30	60	C	20	Br	-	✓	40	10	30	80		8	40	Decomp. shale
	752018	20	0	20	40	20	C	20	"	-	✓	50	10	15	15		6	44	Decomp. sandy siltstone.

Page No.

TENEMENT Eudunda E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — D.P.O. No. B0011

AREA/PROSPECT Kanmantoo Shale — SAMPLE Nos. — GEOLOGIST T.E.M. DATE June '78

PLAN REFERENCE Trade 1:50000 Plate mosaic — ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth m	Pb	Zn	Cu	Ag	U.	SCINT. C.P.S.	
	752019	0	0	10	50	40	C	20	Br	-	✓	80	12	25	15		4	30	Decomp siltstone (?)
Kanmantoo	752020	0	0	10	50	40	C	20	"	-	✓	60	12	30	15		4	30	Ditto.
Line 18	1	10	0	10	50	30	C	20	"	-	✓	60	20	32	15		<4	34	Decomp. siltstone.
E→W	2	0	0	0	60	40	C	20	"	-	✓	70	10	25	12		<4	30	Ditto
Sample int.	3	0	0	0	40	60	C	40	R-Br	-	✓	70	25	25	15		<4	32	Decomp. shale (?)
= 50m.	4	0	0	0	40	60	C	40	R-Br	-	✓	70	25	60	35		4	32	Ditto.
	752025	0	0	0	40	60	C	40	R-Br	-	✓	70	18	35	20		4	28	"

TENEMENT Eudunda E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT Karinya Shale — SAMPLE Nos. — D.P.O. No. B0011

PLAN REFERENCE Truro 1:50 000 — GEOLOGIST T.E.M. DATE June '78

A 9096 — ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag	U	Scint C.P.S.	
Karinya	752026	10	0	10	50	30	C	20	Br	–	✓	80	15	35	15		4	24	Soil from above calcrete layer.
Line 19	7	10	0	10	50	30	C	20	"	–	✓	80	20	40	18		6	20	Ditto
E→W	8	0	0	20	50	30	C	20	"	–	✓	80	18	32	12		<4	25	"
Sample Int.	9	0	0	20	50	30	C	20	"	–	✓	80	15	35	18		6	24	"
= 50m	752030	5	0	30	40	25	C	20	"	–	✓	80	10	28	12		4	26	"
	1	0	0	20	40	40	C	20	"	–	✓	80	18	30	15		4	24	"
	2	0	0	20	40	40	C	20	"	–	✓	80	15	35	15		6	22	"
	752033	10	0	20	40	30	C	20	"	–	✓	80	15	35	18		4	25	"

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: E.L. 381
AREA/PROSPECT: EUDUNDA
PLAN REFERENCE: TRURO 1:50000
SAMPLE Nos.
D.P.O. No.: B0005
Page No.
GEOLOGIST: T.E.M. DATE: May '78
ANALYSED BY: Z.C.

A 3096

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag	Ni	SCINT CPS	Geological observations
EUDUNDA	698305	✓							Br				7	13	41	<1	39	60	Fine grained wavy banded siltstone
Rock Chip	806	✓							Br				7	9	55	<1	27	45	Wavy banded siltstone
TRAVERSE 1.	807	✓							Br				7	22	58	1	48	64	Ditto with occasional bands of ferrug. breccia
1 chip per 5m	808	✓							Br & Gr				8	35	53	1	54	48	Finely laminated siltstone
bagged every	809	✓							Br & Gr				11	26	190	1	88	60	Brecciated siltstone & shale, ferrug. in parts with occasional boxworks.
50 m.	698810	✓							Br & Gr				2	1	79	<1	9	96	Finely laminated siltstone with 1 grain gritty interbeds and thin limonite bands along bedding and joints
W → E	811								Cr & Yel				5	5	130	1	9	62	Finely laminated siltstone with very fine limonite bands along bedding & cleavage.
	812								Dark Gr				4	1	100	1	7	60	V fine grained dark grey finely laminated mudstone with thin limonite bands
	813								Gr				4	5	1100	<1	16	58	Poorly sorted gritty siltstone with green Cu stain on joints
	814								Gr				5	26	780	1	48	52	Wavy banded grey siltstone
	815								Gr				7	13	510	<1	45	52	Ditto
	816								Gr				5	7	91	<1	24	50	Grey sandy siltstone
	817								Gr				5	11	40	<1	23	62	Massive siltstone
	818								Gr				4	11	57	<1	21	56	Gritty siltstone
	819								"				3	5	57	<1	20	54	Ditto
	698820								"				4	7	40	1	25	58	"
	821								"				7	11	300	1	48	52	"
	822								"				5	29	79	1	33	50	Wavy banded siltstone
	823								"				2	1	250	<1	20	40	Ditto Poor o/c
	824								Cr & Br				4	17	64	<1	33	52	Siltstone (Spotted in part)
	698825								" "				5	26	36	<1	34	50	Ditto

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381

AREA/PROSPECT EUDUNDA

PLAN REFERENCE TRURO 1:50 000

SAMPLE Nos.

D.P.O. No. 80005/0006

Page No.

GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag	Ni	SCINT. C.P.S	Geological observations
EUDUNDA	698826	✓							Br&Gr				4	13	79	<1	17	54	V. wthd siltstone
ROCK CHIP	827	✓							" "				4	9	48	<1		50	Wthd. siltstone
TRAVERSE 1	828	✓							" "				5	7	60	1		52	Poor o/c. Wavy banded siltstone with some thin limonite bands
(Contd.)	829	✓							" "				5	19	30	1		58	Wavy banded white siltstone " " " "
	698830	✓							" "				4	19	39	<1		56	Ditto + some spotted siltstone
	831	✓							Grey				5	19	43	<1		54	Wthd grey siltstone with white spots and some v. small limonite pseudomorphs
	832	✓							"				5	15	35	<1		40	Ditto : thin band of ferrug. qtzite. Poor o/c
	833	✓							Gr&Br				4	7	18	<1		42	Siltstone & sandy siltstone. Poor o/c
	834	–							–				–	–	–	–		40	No o/c. No sample.
698836 taken from [illegible] 698835 interval	835	✓							Br				7	17	38	1		40	0–27m No o/c. 28→51m) Sandy siltstone with [illegible] developed adjacent [illegible] qtz veins
	836	✓							Br				10	28	300	2		54	Sample of [illegible] - limonite [illegible] parallel to bedding. Contains [illegible] sulphide [illegible]
	837	✓							Gr				22	64	100	2		48	Gritty siltstone. Poor o/c
	838	✓							Dk gr				13	64	28	<1		50	Dark grey carbonaceous finely laminated, str. bedded shale with some v. fine limonite bands parallel to bedding
	839	✓							" "				16	78	31	1		50	Ditto, grading into slightly coarser wavy banded siltstone
	698840	✓							Grey				24	170	51	1		50	Laminated siltstone
	841	✓							"				29	74	84	1		40	Ditto Poor o/c
	842	✓							Dk gr				17	129	34	2		42	Finely laminated wavy bedded shale
	843	✓							" "				14	92	34	1		44	Ditto with some thin limonite bands. Brecc. in parts
	844	✓							Grey				19	164	41	2		48	Siltstone & shale
	845	✓							"				7	40	19	1		44	Wavy banded siltstone
	698846	✓							"				8	35	55	1		52	V. poor o/c. Siltstone.

TENEMENT E.L. 381 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT EUPUNDA — SAMPLE Nos. — D.P.O. No. B0006

PLAN REFERENCE Thake 1:50 000 — GEOLOGIST T.E.M. DATE May '78

ANALYSED BY ZC

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		SCINT C.P.S.	
Eupunda	698847	✓							Grey				10	125	22	2		46	Banded siltstone
Rock Chip	848	✓							Dk Grey				11	100	25	1		46	Wavy banded siltstone
Traverse 1	849	✓							"				10	81	28	1		48	Ditto Poor O/C
(Cont)	698850	✓							"				10	81	39	1		48	" " "

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: E L 381
AREA/PROSPECT: EUDUNDA
SAMPLE Nos.
PLAN REFERENCE: TRURO 1:50000
A 2505

Page No.
D.P.O. No. B0006
GEOLOGIST: T.E.M. DATE: May 78
ANALYSED BY: Z.C.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag		Scint. c.P.S.	Geological observations
Eudunda	698851	20	5	0	50	30	–	–	Br	–	✓	100	7	19	28	1		42	Alluvium and Colluvium from stream incl. Fe-Mn-rich rocks. No o/c
Rock C.F.	852	100							Br	✓			5	11	17	<1		38	Fe-stained qtzite. Poor o/c
TRAVERSE 2	853	20	5	5	45	30	–	–	Br	–	✓	100	10	17	18	1		38	Str sed (virtually a soil sample)
1 chip per	854	100							Br-Gr	✓			5	11	21	1		42	Cross-bedded sandstone. Poor o/c
5m averaged	855	100							" "	✓			5	9	150	1		46	Fine grained sandstone. Rock-poor o/c
over 50m	856	✓							" "	✓			5	17	[illegible]	1		42	Ditto. Poor o/c Most rocks transported.
W → E	857	✓							" "	✓			5	13	90	1		50	Ditto " " " prob. along strike
	858	✓							" "	✓			7	7	75	<1		46	Poorly sorted sandstone. Reasonable o/c
	859	✓							" "	✓			5	19	25	1		44	Poorly sorted sandstone and massive siltstone
	698860	✓							" "	✓			8	28	37	1		42	Poorly sorted sandstone
	861	✓							" "	✓			5	19	30	1		44	Ditto + fine grained siltstone
	862	✓							Grey	✓			8	50	43	<1		44	Finely laminated carbonaceous shale
	863	✓							"	✓			7	15	22	<1		56	Grey siltstone. Poor o/c
	864	✓							Dark Gr	✓			11	45	41	1		40	Dark grey finely laminated siltstone
	865	✓							Gr-Br	✓			7	40	27	1		44	Grey siltstone and brown sandy wavy banded siltstone
	866	✓							Gr-Br	✓			11	42	33	1		42	Siltstone & shale
	867	✓							" "	✓			13	61	30	1		38	Ditto. Poor o/c
	868	✓							" "	✓			18	37	30	1		42	Ditto " "
	869	✓							Grey	✓			7	50	42	2		40	Grey laminated siltstone
	698870	✓							"	✓			10	52	66	2		42	Wavy banded & cross-bedded siltstone
	871	✓							"	✓			10	30	15	2		42	Ditto. (Gossanous flags at 700739)

TENEMENT E.L. 381

AREA/PROSPECT EUDUNDA

PLAN REFERENCE TRURO 1:50000

GEOCHEMICAL SOIL SAMPLING LEDGER

SAMPLE Nos.

Page No.

D.P.O. No. B0006

GEOLOGIST T.E.M. DATE May '78

ANALYSED BY Z.C.

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		SCINT c.p.s.	
EUDUNDA	698872	✓							Grey	✓			7	38	20	2		42	Wavy bedded grey siltstone
ROCK CHIP	873	✓							"	✓			7	33	34	1		38	Laminated siltstone
TRAVERSE 2	874	✓							"	✓			5	28	28	1		46	Cross-bedded siltstone
(Cont.)	875	✓							Gr-br	✓			4	13	18	1		44	Wavy bedded siltstone
	876	✓							" "	✓			2	9	51	1		46	Banded sandy siltstone
	877	✓							Grey	✓			7	35	70	1		42	Ditto "
	878	✓							Grey	✓			5	24	27	1		46	Ditto. Poor c/c
	879	✓							"	✓			7	31	46	1		46	Wavy bedded siltstone.
	698880	✓							"	✓			8	15	37	2		46	Laminated siltstone and shale
	881	✓							"	✓			7	22	26	1		48	Ditto "
	882	✓							"	✓			5	24	39	1		48	Poor c/c Ditto
	883	✓							"	✓			5	26	17	1		40	V. poor c/c "
	884	✓							"	✓			7	15	60	1		40	" " " "
	885	✓							"	✓			8	45	20	1		46	" " " Grey siltstone
	886	✓							"	✓			5	19	49	1		40	" " "
	887	✓							Gr-br	✓			4	9	27	1		48	Wavy bedded and cross-bedded siltstone
	698888	✓							Gr-br	✓			4	7	22	1		46	Poor c/c. Ditto.

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No. .....

TENEMENT Eudunda E.L. 381 D.P.O. No. B 0011

AREA/PROSPECT Mt. Rufus - Dutton area SAMPLE Nos. GEOLOGIST T.E.M. DATE July '78

PLAN REFERENCE Trans 1:50 000 Photomosaic (+ photo 1580/016) ANALYSED BY AMDEL

A 9986

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Eudunda	752034	✓							Grey	✓					25				Grey siltstone, Fe-stained in part
Rockchip	5	✓							R-gr	✓					70				Ditto, ferug. & brecciated in part
Line 3	6	✓							" "	✓					32				Ditto, gossanous & brecc. in part.
W → E	7	✓							Grey	✓					60				Grey siltstone, ferug. & sandy in part
(1 chipper	8	✓							"	✓					60				Grey laminated siltstone, x-bedded in part
5m bagged	9	✓							R-gr	✓					85				Siltstone, Fe-stained & sandy in part
every 50m)	752040	✓							Grey	✓					75				Carb. siltstone, + minor Fe-qtz veins
	1	/							R-gr	✓					260				Poor o/c. As above
	2	✓							Grey	✓					210				Grey carb. shale + minor Fe-qtz veins
	752043	✓							"	✓					270				Grey siltstone. "
	752044	✓							"	✓					100				Ditto.

TENEMENT Eylandra E.L. 381 **GEOCHEMICAL SOIL SAMPLING LEDGER** Page No.

AREA/PROSPECT Mt. Rufus - Dutton area SAMPLE Nos. D.P.O. No. B 0014

PLAN REFERENCE Trans 1:50000 photomosaic (+ Plate 1580/016) GEOLOGIST T.G.M. DATE July '78

ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
E R.C. 4	752045	100							Black	✓					45				Finely laminated carb. shale
W→E	6	100							"	✓					28				Ditto with fine limonite bands after pyr.
Sample Int.	7	100							"	✓					28				Ditto
= 10m	8	100							Dk. brn.	✓					50				Shale & dolomitic silt stone (Poor o/c)
	9	100							" "	✓					110				Ditto
	752050	10	0	0	60	30	C	20	Brn	-	✓	60			20				Soil sample (No o/c) Decomp. siltstone
	1	100							Grey	✓					170				Siltstone, Fe-stained in part.
	2	100							"	✓					32				Siltstone
	3	100							"	✓					32				"
	4	100							"	✓					25				"
	5	100							Lt. brn	✓					35				"
	6	100							" "	✓					35				"
	7	100							" "	✓					25				"
	8	100							" "	✓					60				Siltstone, sandy in part.
	9	20	0	0	40	40	C	20	Brn	-	✓	50			28				Soil sample (No o/c). Decomp. siltstone
	752060	0	0	0	50	50	C	20	"	-	✓	50			25				Ditto
	1	10	0	0	50	40	C	20	"	-	✓	50			18				Decomp. ferrug. siltstone
	2	0	0	0	50	50	C	20	"	-	✓	50			18				Decomp. siltstone
	3	10	0	0	50	40	C	20	"	-	✓	60			28				Ditto
	752064	20	0	10	40	30	C	20	"	-	✓	60			38				Ditto (alluvium)

TENEMENT Eudunda E.L

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

D.P.O. No. B 0014

AREA/PROSPECT Mt Rufus - Dutton Area SAMPLE Nos.

GEOLOGIST T.E.M. DATE July '78

PLAN REFERENCE Truro 1:50000 Photo mosaic (or photo 1580/016)

ANALYSED BY AMDEL

A [illegible]

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag			Geological observations
[illegible]	752065	0	0	0	50	50	C	20	Br	-	✓	60			25				Decomp. shale
Mt Rufus	6	0	0	0	50	50	C	20	Br	-	✓	70			45				Ditto.
Line 5	7	10	0	0	50	40	C	20	"	-	✓	60			150				Decomp. siltstone.
N→E	8	10	0	0	50	40	C	20	"	-	✓	50			420				Ditto
	9	10	0	0	50	40	C	20	"	-	✓	50			320				"
	752070	10	0	0	50	40	C	20	"	-	✓	50			360				" (ferrug. in part.)
	1	10	0	0	50	40	C	20	"	-	✓	50			65				Ditto.
	2	0	0	0	60	40	C	20	"	-	✓	50			18				Decomp. siltstone
	3	0	0	0	50	50	C	20	"	-	✓	50			20				Ditto
	4	20	0	0	40	40	C	20	"	-	✓	40			18				"
	5	10	0	0	50	40	C	20	"	-	✓	40			25				"
	6	0	0	0	50	50	C	20	"	-	✓	50			15				"
	7	10	0	0	50	40	C	20	"	-	✓	50			15				"
	8	0	0	0	50	50	C	20	"	-	✓	50			22				"
	9	10	0	0	50	40	C	20	"	-	✓	50			25				"
	752080	0	0	20	40	40	C	20	"	-	✓	50			18				Decomp. sandy siltstone.
	1	0	0	0	50	50	C	20	"	-	✓	50			15				Decomp. siltstone.
	752082	0	0	0	40	60	C	20	"	-	✓	50			10				Ditto

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT Eudunda E.L. 341

AREA/PROSPECT Mt Rufus - Dutton area SAMPLE Nos.

PLAN REFERENCE Two 1:50 000 Photo mosaic (+ photo 1580/016)

A 9096

Page No.

D.P.O. No. B0014

GEOLOGIST T.G.M. DATE July 78

ANALYSED BY AMDEL.

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag			Geological observations
Mt Rufus	752083	40	0	0	20	40	C	20	Black	-	✓	30			50				Decomp carb shale.
Line 6	4	30	0	0	30	40	C	20	Black-br	-	✓	30			45				Ditto
W→E.	5	30	0	0	30	40	C	20	Gr-br	-	✓	30			90				Decomp siltstone.
Sample Int.	6	20	0	0	40	40	C	20	Br	-	✓	40			100				Ditto
= 10m	7	20	0	0	40	40	C	20	"	-	✓	30			100				"
	8	0	0	0	50	50	C	20	"	-	✓	40			60				"
	9	0	0	0	50	50	C	20	"	-	✓	40			70				"
	752090	0	0	0	50	50	C	20	"	-	✓	40			80				"
	91	0	0	0	50	50	C	20	"	-	✓	50			80				"
	2	0	0	0	50	50	C	20	"	-	✓	40			18				"
	3	10	0	0	50	40	C	20	"	-	✓	40			18				"
	4	20	0	0	40	40	C	15	"	-	✓	25			20				"
	5	30	0	0	40	30	C	20	Gr-br	-	✓	30			20				"
	6	0	0	0	60	40	C	20	Br	-	✓	40			8				"
	7	0	0	0	60	40	C	20	"	-	✓	40			25				"
	8	20	0	0	40	40	C	20	"	-	✓	40			20				"
	9	20	0	0	40	40	C	20	Gr-br	-	✓	40			85				"
	752100	20	0	0	40	40	C	20	" "	-	✓	40			25				"

TENEMENT Eudunda E.L. 391 — GEOCHEMICAL SOIL SAMPLING LEDGER — Page No.

AREA/PROSPECT Mt Rufus - Dutton area — SAMPLE Nos. — D.P.O. No. B 0014

PLAN REFERENCE Truro 1:50 000 photo mosaic (+ Photo 1580/016) — GEOLOGIST T.E.M. DATE July '78

ANALYSED BY AMDEL

A 2986

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Mt Rufus	752101	10	0	0	50	40	C	20	Dk Br	-	✓	40			25				Decomp. shale
Line 7	2	10	0	0	50	40	C	20	" "	-	✓	40			28				Ditto
SW→NE	3	10	0	0	50	40	C	20	" "	-	✓	40			60				
Sample Int	4	20	0	0	40	40	C	20	Black	-	✓	30			15				Decomp carb. shale
= 10m	5	10	0	0	50	40	C	20	Br	-	✓	40			75				Decomp shale (?)
	6	10	0	0	50	40	C	20	"	-	✓	40			55				Decomp siltstone
	7	10	0	0	50	40	C	20	"	-	✓	60			50				Ditto
	8	0	0	0	50	50	C	20	"	-	✓	80			60				"
	9	0	0	0	60	40	C	20	"	-	✓	80			65				"
	752110	0	0	0	60	40	C	20	"	-	✓	60			60				"
	1	0	0	0	60	40	C	20	"	-	✓	80			50				"
	2	0	0	0	50	50	C	20	"	-	✓	80			40				"
	3	0	0	0	40	60	C	20	"	-	✓	80			25				"
	4	0	0	10	40	50	C	20	"	-	✓	80			25				"
	5	0	0	0	50	50	C	20	"	-	✓	80			15				"
	6	10	0	10	40	40	C	20	"	-	✓	100			15				"
	7	10	0	20	30	40	C	20	"	-	✓	100			25				Decomp. sandy siltstone
	8	20	5	0	30	45	C	20	"	-	✓	100			30				Decomp. siltstone
	9	10	0	0	50	40	C	20	"	-	✓	100			25				Ditto
	752120	20	0	0	40	40	C	20	Dk Br	-	✓	100			35				"

Page No.

TENEMENT Eudunda E.L 381 GEOCHEMICAL SOIL SAMPLING LEDGER D.P.O. No. B 0014

AREA/PROSPECT Mt Rufus - Dutton area SAMPLE Nos. GEOLOGIST T.E.M. DATE July '78

PLAN REFERENCE Trans 1:50000 Plate mosaic (+ Plate 1580/016) ANALYSED BY AMDEL

A 2005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Mt Rufus	752121	0	0	0	50	50	C	20	Br	–	✓	50			48				Decomp. shale
Line B	2	0	0	0	50	50	C	20	"	–	✓	50			40				Ditto
SW→NE	3	0	0	0	50	50	C	20	"	–	✓	50			45				"
Sample Int.	4	100							R-br	✓					130				Ferrug. shale from o/c adjacent to 752123
= 10m	5	20	0	0	40	40	C	20	Br	–	✓	40			65				Decomp ferrug. shale
	6	0	0	0	50	50	C	20	"	–	✓	40			40				Decomp. siltstone
	7	0	0	0	50	50	C	20	"	–	✓	40			55				Ditto
	8	0	0	0	50	50	C	20	"	–	✓	50			50				"
	9	0	0	0	50	50	C	20	"	–	✓	60			95				"
	752130	0	0	0	50	50	C	20	"	–	✓	60			40				"
	1	0	0	0	50	50	C	20	"	–	✓	50			40				"
	2	0	0	0	60	40	C	20	"	–	✓	50			40				"
	3	0	0	10	50	40	C	20	"	–	✓	50			180				"
	4	10	0	0	50	40	C	20	"	–	✓	40			240				"
	5	10	0	0	50	40	C	20	"	–	✓	40			130				"
	6	20	0	0	40	40	C	20	"	–	✓	40			150				"
	7	20	0	0	40	40	C	20	"	–	✓	40			95				"
	8	20	0	30	30	20	C	20	R-br	–	✓	40			32				Decomp. sandstone (Fe-stained pod)
	9	20	0	20	40	20	C	20	Br	–	✓	40			70				Decomp. sandy siltstone (" " " ")
	752140	20	0	20	40	20	C	20	"	–	✓	40			60				Ditto.

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: Eudunda E.L. 381
AREA/PROSPECT: Mt Rufus – Dutton Area SAMPLE Nos.
PLAN REFERENCE: Truro 1:50 000 Photomosaic (+ Photo 4580/011)
A 9686

Page No.
D.P.O. No. B0014
GEOLOGIST: T.G.M. DATE: July '78
ANALYSED BY: AMDEL

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag			Geological observations
Mt Rufus	752141	10	0	0	50	40	C	20	Br	–	✓	50			60				Decomp ferrug. siltstone
Line 9	2	0	0	0	50	50	C	20	Br	–	✓	50			70				Decomp shale (?)
SW→NE	3	10	0	0	50	40	C	20	Br	–	✓	50			38				Decomp ferrug. siltstone
Sample Int.	4	10	0	0	50	40	C	20	"	–	✓	50			40				Ditto
= 10m	5	10	0	0	50	40	C	20	"	–	✓	60			60				"
	6	10	0	0	50	40	C	20	"	–	✓	60			110				Decomp. siltstone
	7	10	0	0	50	40	C	20	"	–	✓	60			60				Ditto (Fe-stained)
	8	20	0	0	40	40	C	20	"	–	✓	60			28				Decomp. siltstone.
	9	10	0	0	50	40	C	20	"	–	✓	60			60				Ditto
	752150	20	0	0	40	40	C	20	"	–	✓	60			42				" "
	1	0	0	0	50	50	C	20	Br	–	✓	50			60				Decomp. siltstone
	2	10	0	0	50	40	C	20	"	–	✓	50			50				Ditto
	3	10	0	0	50	40	C	20	Purple-br	–	✓	50			75				Decomp. carb. shale
	{4	0	0	0	50	50	C	20	Br	–	✓	50			60				Decomp. siltstone
	{5	100								✓	–	–			180				Ferrug. siltstone from adjacent o/c
	6	10	0	0	50	40	C	20	Br	–	✓	40			55				Decomp. silt stone
	7	10	0	0	50	40	C	20	Br	–	✓	40			100				" ferrug. "
	8	10	0	0	50	40	C	20	"	–	✓	40			48				Decomp. siltstone
	9	20	0	0	40	40	C	20	"	–	✓	40			38				Ditto
	752160	10	0	0	50	40	C	20	"	–	✓	40			45				"

Page No. ....

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT Eudunda EL 381

AREA/PROSPECT Mt Rufus – Dutton area SAMPLE Nos.

PLAN REFERENCE Truro 1:50000 Photo mosaic (+ Plot 1580/0X)

D.P.O. No. B0014

GEOLOGIST T.E.M. DATE July '78

ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag			Geological observations
Mt Rufus	752161	0	0	0	50	50	C	20	Br	–	✓	80			32				Decomp. shale (?)
Line 10	2	0	0	0	40	60	C	20	Br	–	✓	80			50				Ditto
SW→NE	3	0	0	0	50	50	C	20	"	–	✓	80			30				"
Sample int.	4	0	0	0	50	50	C	20	"	–	✓	80			25				"
= 10m.	5	10	0	0	50	40	C	20	"	–	✓	80			80				Decomp siltstone.
	6	10	0	0	50	40	C	20	"	–	✓	80			150				Ditto
	7	0	0	0	50	50	C	20	"	–	✓	80			70				"
	8	20	0	0	40	40	C	20	"	–	✓	60			70				Decomp ferrug. siltstone
	9	0	0	0	50	50	C	20	"	–	✓	60			100				Decomp. siltstone
	752170	0	0	20	30	50	C	20	"	–	✓	60			55				~~Ditto~~ Decomp. sandy siltstone
	1	10	0	0	50	40	C	20	"	–	✓	60			55				Decomp ferrug siltstone
	2	0	0	0	50	50	C	20	"	–	✓	60			60				Decomp. siltstone.
	3	20	0	0	40	40	C	20	R-br	–	✓	50			55				" ferrug. "
	4	0	0	10	50	40	C	20	Br	–	✓	50			35				Decomp. siltstone
	5	0	0	0	50	50	C	20	"	–	✓	60			30				Ditto.
	6	10	0	0	50	40	C	20	"	–	✓	50			30				"
	7	20	0	0	40	40	C	20	"	–	✓	50			60				Decomp. ferrug. siltstone.
	8	20	0	0	40	40	C	20	R-br	–	✓	40			30				Ditto
	9	20	0	0	40	40	C	20	Br-br	–	✓	40			50				"
	752180	20	0	0	40	40	C	20	Br	–	✓	40			55				Decomp. siltstone.

Page No.

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT Eudunda EL 381 D.P.O. No. BOOK

AREA/PROSPECT Mt Rufus - Dutton area SAMPLE Nos.

GEOLOGIST T.G.M. DATE July '78

PLAN REFERENCE Truro 1:50 000 Photo mosaic (+ Photo 1580/016) ANALYSED BY AMDEL

A 9086

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
Mt Rufus	752181	10	0	0	50	40	C	20	Br	-	✓	40			35				Decomp. shale
Line 11	2	10	0	0	50	40	C	20	R-br	-	✓	40			55				" ferrug "
SW→NE	3	10	0	0	50	40	C	20	Br	-	✓	40			28				" shale
Sample Int	4	10	0	0	50	40	C	20	Br	-	✓	50			22				Decomp. siltstone
= 10m	5	10	0	0	50	40	C	20	R-br	-	✓	50			40				" ferrug "
	6	20	0	0	40	40	C	20	Br	-	✓	50			35				" siltstone
	7	10	0	0	50	40	C	20	"	-	✓	60			28				Ditto
	8	0	0	0	50	50	C	20	"	-	✓	70			25				"
	9	0	0	0	60	40	C	20	"	-	✓	70			18				"
	752190	0	0	0	60	40	C	20	"	-	✓	70			30				"
	1	0	0	0	50	50	C	20	"	-	✓	60			20				"
	2	0	0	0	60	40	C	20	"	-	✓	50			22				"
	3	20	0	0	40	40	C	20	"	-	✓	50			42				"
	4	0	0	0	60	40	C	20	"	-	✓	50			30				"
	5	0	0	0	60	40	C	20	"	-	✓	50			25				"
	6	10	0	0	50	40	C	20	"	-	✓	60			28				"
	7	10	0	0	50	40	C	20	"	-	✓	50			25				"
	8	10	0	0	40	50	C	20	R-br	-	✓	50			20				Decomp ferrug. siltstone
	9	10	0	0	50	40	C	20	" "	-	✓	50			22				Ditto
	752200	20	0	0	40	40	C	20	Br	-	✓	50			20				Decomp siltstone

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381
AREA/PROSPECT Eurunda
PLAN REFERENCE TRURO 1:50000
A 9065
SAMPLE Nos.
Page No.
D.P.O. No. B0005
GEOLOGIST T.E.M. DATE May '78
ANALYSED BY Zinc Corp

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag		[illegible]	Geological observations
Streamside	698623	30	0	40	20	10			Br	–	✓	200+						[illegible]	Stream Sediment [illegible]
	624	20	0	20	20	10			Br	–	✓	200+						[illegible]	" "
	625	30	0	[illegible]	20	[illegible]			Br	–	✓	200+						[illegible]8	" " "
	626	30	[illegible]	[illegible]	[illegible]	[illegible]			Br	–	✓	200+						30	" O/c [illegible] bank
	627	30	0	40	20	10			Br	–	✓	200+						30	" "
	628	40	0	30	20	10			Br	–	✓	200+						29	" "
	629	30	0	40	20	10			Br	–	✓	100+						34	" "
	698630	40	0	30	20	10			Br	–	✓	200+						30	" "
	631	30	0	40	20	10			Br	–	✓	100						42	" "
	632	40	0	30	20	10			Br	–	✓	30						44	" " O/c in bank
	633	50	0	20	20	10			Br	–	✓	30						40	" "
	634	40	0	[illegible]	[illegible]	10			Br	–	✓	40						32	" "
	635	40	0	30	[illegible]	10			Br	–	✓	200+						36	" "
	636	40	[illegible]	[illegible]	20	10			Br	–	✓	200+						40	" "
	637	40	[illegible]	[illegible]	20	10			Br	–	✓	100						40	" "
	638	40	0	[illegible]	20	10			Br	–	✓	30						38	" " O/c in bank
	639	45	5	20	20	10			Br	–	✓	50						36	" " O/c in bank
	698640	20	5	25	40	10			Br	–	✓	100+						36	" "
	641	30	5	25	30	10			Br	–	✓	100+						40	" "
	642	40	5	20	25	10			Br	–	✓	100+						38	" "
	698643	20	5	25	30	20			Br	–	✓	100+						30	" "

TENEMENT EL 381

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

D.P.O. No. B0005

AREA/PROSPECT EUDUNDA SAMPLE Nos:

GEOLOGIST J.E.M. DATE May '78

PLAN REFERENCE TRURO 1:50,000

ANALYSED BY Zinc Corp

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag		Scint. CPS	
Str. Sedge	698640	25	5	30	30				Br	-	✓	100+						30	Stream Sediment Good sample
	645									-	✓							32	" " " "
	646									-	✓							30	" " " "
	647	25	5							-	✓							38	" " " "
	648									-	✓							32	" " " "
	649	25	5							-	✓							30	" " " "
	698650	25	5							-	✓							36	" " " "

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

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Sample Tray No. _____ Storage Box No. AS20-521 Locality ADELAIDE

Beaker Tray No. 6 Weighed by Alison D.P.O. B0005

Date Weighed 7-7-78 Date Completed _____ A/c No. B14C13G

NOTE ALL SAMPLES EXCEPT -85# GROUND Tray checked in ☐

Determinations by		BEFORE ASSAYING							
Checked by									
	GROUND	Pb ppm	Zn ppm	Cu ppm	Ni ppm	Co ppm	Cr ppm	Mn ppm	Ag ppm
2	698623 +10	20	50	52	41	21	<10	1960	<1
3	+22	27	66	59	57	25	20	330	<1
4	+44	27	66	59	59	29	10	330	<1
5	+60	27	66	77	64	31	20	330	<1
6	+85	23	50	59	50	25	20	260	<1
7	-85	25	47	49	32	21	20	220	<1
8	698624 +10	23	44	75	44	17	20	170	<1
9	+22	39	79	49	67	31	40	330	<1
10	+44	33	63	55	61	35	20	400	<1
11	+60	25	53	52	48	33	40	320	<1
12	+85	18	35	41	37	27	20	330	<1
13	-85	16	32	35	24	19	20	220	<1
14	698625 +10	18	41	70	46	23	20	260	<1
15	+22	27	60	61	61	29	40	380	<1
16	+44	27	66	62	69	31	20	400	<1
17	+60	27	56	61	66	31	40	350	<1
18	+85	25	53	55	57	27	40	260	<1
19	-85	31	66	44	34	21	40	260	<1
20	698626 +10	16	56	49	46	19	<10	220	<1
21	+22	23	56	57	59	25	40	360	<1
22	+44	27	73	63	66	29	40	360	<1
23	+60	25	63	59	64	29	30	350	<1
24	+85	23	63	77	52	25	30	260	<1
25	-85	18	44	44	30	17	20	220	<1
26	698627 +10	21	35	32	46	19	10	260	<1
27	+22	43	53	41	69	31	80	310	<1
28	+44	37	44	35	62	29	60	310	<1
29	+60	25	35	27	44	23	40	260	<1
30	+85	16	26	23	34	17	20	190	<1
31	-85	16	32	25	29	15	20	190	<1
32	698628 +10	18	24	29	34	15	<10	170	<1
33	+22	62	63	35	72	31	80	330	<1
34	+44	47	53	39	77	39	90	330	<1
35	+60	31	41	32	57	29	40	220	<1
36	+85	21	32	25	41	21	40	220	<1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

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Sample Tray No. _____ Storage Box No. 0520-521 Locality ADELAIDE

Beaker Tray No. 6 Weighed by Alison D.P.O. B0005

Date Weighed 7-7-78 Date Completed _____ A/c No. B14C12G

Tray checked in ☐

NOTE ALL SAMPLES EXCEPT [illegible] BEFORE ASSAYING

Determinations by

Checked by

		Pb ppm	Zn ppm	Cu ppm	Ni ppm	Co ppm	Cr ppm	Mn ppm	Ag ppm
	GROUND								
38	698628 -85	25	53	30	38	19	60	660	<1
39	698629 +10	18	26	35	34	13	410	150	<1
40	+22	37	47	33	69	27	60	280	<1
41	+44	35	47	33	72	29	60	280	<1
42	+60	25	41	40	55	25	40	260	<1
43	+85	20	29	24	38	17	40	190	<1
44	-85	23	41	30	36	17	10	190	<1
45	698630 +10	21	24	29	40	15	60	190	<1
46	+22	37	47	35	69	25	60	310	<1
47	+44	37	47	35	69	29	40	310	<1
48	+60	25	41	32	55	25	60	260	<1
49	+85	20	32	24	38	21	60	220	<1
50	-85	02	38	30	32	17	410	220	<1
51	698631 +10	14	47	39	61	25	60	530	<1
52	+22	20	56	49	93	39	60	670	<1
53	+44	25	56	54	100	50	30	810	<1
54	+60	27	60	59	100	50	60	780	<1
55	+85	31	60	55	120	50	60	670	<1
56	-85	27	53	40	46	23	410	430	<1
57	698632 +10	21	47	39	83	27	410	450	<1
58	+22	21	56	54	96	39	410	840	<1
59	+44	31	79	70	150	66	60	1000	<1
60	+60	37	82	89	160	83	20	940	<1
61	+85	37	69	79	150	80	20	750	<1
62	-85	27	60	39	42	23	20	450	<1
63	698633 +10	39	41	43	58	21	410	670	<1
64	+22	21	60	57	100	39	410	810	<1
65	+44	25	69	64	120	53	60	900	<1
66	+60	29	86	75	130	57	60	900	<1
67	+85	33	140	64	110	53	60	730	<1
68	-85	86	174	40	44	21	20	480	<1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

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Sample Tray No. _____ Storage Box No. AS20 - S21 Locality ADELAIDE

Beaker Tray No. / Weighed by _____ D.P.O. B0005

Date Weighed _____ Date Completed _____ A/c No. B14C12G

NOTE ALL SAMPLES EXCEPT -85# GROUND

Tray checked in ☑

Determinations by BEFORE ASSAYING

Checked by

	GROUND	Pb ppm	Zn ppm	Cu ppm	Ni ppm	Co ppm	Cr ppm	Mn ppm	Ag ppm
2	698634 +10	12	32	36	50	24	10	480	<1
3	+22	33	83	77	160	40	20	1600	<1
4	+44	33	73	79	160	70	20	1070	<1
5	+60	35	67	70	150	75	40	940	<1
6	+85	43	77	95	130	76	40	780	<1
7	-85	39	80	89	41	66	30	430	<1
8	698635 +10	14	32	43	50	27	20	610	<1
9	+22	29	49	84	130	62	20	1380	<1
10	+44	35	80	97	190	140	20	1340	<1
11	+60	35	90	97	190	160	20	1170	<1
12	+85	27	67	140	100	88	20	780	<1
13	-85	25	38	39	32	24	20	480	<1
14	698636 +10	14	27	40	46	24	410	700	<1
15	+22	17	35	54	72	36	410	890	<1
16	+44	21	35	59	88	60	10	940	<1
17	+60	17	30	52	74	50	20	810	<1
18	+85	15	27	40	46	32	410	860	<1
19	-85	15	32	33	29	20	410	430	<1
20	698637 +10	15	30	49	43	20	410	660	<1
21	+22	17	35	45	64	27	410	780	<1
22	+44	21	32	52	69	36	10	840	<1
23	+60	21	35	52	67	37	20	750	<1
24	+85	25	27	43	52	29	20	590	<1
25	-85	31	49	41	34	21	410	510	<1
26	698638 +10	12	27	43	44	18	410	530	<1
27	+22	23	38	64	88	26	410	950	<1
28	+44	25	38	70	120	65	20	1000	<1
29	+60	23	46	55	79	48	20	780	<1
30	+85	21	61	49	57	36	10	590	<1
31	-85	17	46	33	29	16	410	430	<1
32	698639 +10	19	46	52	64	27	20	700	<1
33	+22	23	67	41	77	29	40	930	<1
34	+44	25	73	44	85	33	60	870	<1
35	+60	27	83	49	97	36	80	840	<1
36	+85	27	80	45	91	36	120	780	<1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

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Sample Tray No. _____ Storage Box No. 0520-521 Locality ADELAIDE

Beaker Tray No. _____ Weighed by _____ D.P.O. B0005

Date Weighed _____ Date Completed _____ A/c No. B14C12G

NOTE ALL SAMPLES EXCEPT -85# GROUND Tray checked in ☐

Determinations by		BEFORE		ASSAYING					
Checked by									
.	GROUND	Pb ppm	Zn ppm	Cu ppm	Ni ppm	Co ppm	Cr ppm	Mn ppm	Ag ppm
38	698639 -85	19	64	29	50	25	60	560	<1
39	698640 +10	15	49	35	55	25	40	590	<1
40	+22	21	70	39	85	34	60	750	<1
41	+44	27	83	41	88	36	90	640	<1
42	+60	27	83	43	91	38	100	560	<1
43	+85	25	73	39	82	34	100	480	<1
44	-85	17	68	29	52	25	80	380	<1
45	698641 +10	21	49	41	55	61	80	640	<1
46	+22	27	70	45	94	36	60	1100	<1
47	+44	29	87	46	100	40	90	870	<1
48	+60	31	83	49	120	44	120	750	<1
49	+85	35	73	55	97	38	160	640	<1
50	-85	19	56	30	52	25	60	560	<1
51	698642 +10	21	70	49	66	25	40	810	<1
52	+22	31	90	54	150	50	80	1070	<1
53	+44	29	90	49	130	44	80	670	<1
54	+60	33	87	47	100	40	120	890	<1
55	+85	29	77	41	91	36	140	510	<1
56	-85	19	61	27	48	21	60	350	<1
57	698643 +10	19	43	49	71	25	40	430	<1
58	+22	23	64	44	150	36	60	700	<1
59	+44	25	77	46	120	38	40	780	<1
60	+60	29	77	47	150	42	60	810	<1
61	+85	29	70	41	150	44	60	900	<1
62	-85	17	55	30	57	27	50	590	<1
63	698644 +10	14	43	39	62	61	60	840	<1
64	+22	19	55	43	79	28	60	610	<1
65	+44	25	64	43	97	36	40	810	<1
66	+60	29	70	46	130	46	40	930	<1
67	+85	29	67	46	150	50	80	900	<1
68	-85	17	49	29	59	28	40	590	<1
69	698645 +10	15	49	32	66	23	40	430	<1
70	+22	29	80	55	160	46	40	900	<1
71	+44	39	109	61	200	61	60	1030	<1
72	+60	46	109	62	220	63	110	1070	<1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

Sample Tray No. ______ Storage Box No. AS20-521 Locality ADELAIDE
Beaker Tray No. 4 Weighed by ______ D.P.O. BOOOS
Date Weighed ______ Date Completed ______ A/c No. B14C12G

NOTE ALL SAMPLES EXCEPT -85# GROUND BEFORE ASSAYING

Tray checked in

Determinations by

Checked by

	GROUND		Pb ppm	Zn ppm	Cu ppm	Ni ppm	Co ppm	Cr ppm	Mn ppm	Ag ppm
2	698645	+85	39	83	58	190	60	140	870	<1
3		-85	20	50	26	61	31	40	640	<1
4	698646	+10	25	50	120	61	21	410	330	<1
5		+22	27	60	35	88	33	20	730	<1
6		+44	23	60	35	91	37	40	780	<1
7		+60	31	63	36	97	41	40	900	<1
8		+85	27	60	37	94	41	40	900	<1
9		-85	16	30	22	52	21	40	560	<1
10	698647	+10	16	32	31	52	21	20	400	<1
11		+22	18	47	28	74	29	40	690	<1
12		+44	20	47	27	82	33	60	640	<1
13		+60	20	44	30	79	31	80	590	<1
14		+85	20	41	28	69	29	60	510	<1
15		-85	18	50	24	64	25	40	530	<1
16	698648	+10	16	41	26	57	21	20	330	<1
17		+22	21	50	32	79	33	50	670	<1
18		+44	23	56	35	88	37	60	610	<1
19		+60	23	50	32	85	37	80	610	<1
20		+85	23	41	26	74	33	100	530	<1
21		-85	12	47	20	64	25	40	590	<1
22	698649	+10	20	53	33	97	31	60	690	<1
23		+22	16	60	24	130	39	120	700	<1
24		+44	18	66	24	130	39	140	670	<1
25		+60	20	56	24	130	37	160	670	<1
26		+85	18	50	19	100	35	160	560	<1
27		-85	14	69	19	130	33	120	530	<1
28	698650	+10	21	35	150	57	19	410	280	<1
29		+22	21	50	32	77	31	40	310	<1
30		+44	20	83	23	69	27	40	560	<1
31		+60	20	76	28	59	23	60	560	<1
32		+85	20	66	21	52	23	40	530	<1
33		-85	21	50	19	47	21	20	530	<1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

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Sample Tray No. _____ Storage Box No A520-521 Locality ADELAIDE

Beaker Tray No. 8 Weighed by _____ D.P.O. B0005

Date Weighed _____ Date Completed _____ A/c No. B14 C12G

Tray checked in ☑

NOTE: ALL SAMPLES EXCEPT #10 ASSAYED IN UNCRUSHED STATE

	Determinations by								
	Checked by								
	UNCRUSHED.	Pb, ppm	Zn, ppm	Cu, ppm	Ni, ppm	Co, ppm	Cr, ppm	Mn, ppm	Ag ppm
2	698623 +10	19	50	52	39	20	60	450	1
3	+22	22	59	52	52	26	30	250	1
4	+44	20	50	43	50	66	20	300	<1
5	-80 fraction +60	20	50	49	55	30	30	360	1
6	DAM results +85	17	39	40	44	26	410	240	<1
7	Pb 5 Zn 28 Cu 30 -85	23	47	46	32	20	30	240	1
8	698624 +10	22	47	68	42	16	20	160	1
9	+22	37	65	47	64	30	50	360	1
10	+44	26	53	41	60	36	30	260	1
11	+60	19	42	41	44	30	20	400	<1
12	+85	13	28	33	36	24	20	320	<1
13	-85	14	34	32	24	18	20	200	<1
14	698625 +10	20	39	62	47	16	20	260	1
15	+22	22	56	50	55	26	30	280	1
16	+44	22	56	54	66	26	30	400	1
17	+60	20	50	47	60	28	20	320	1
18	+85	19	53	41	52	26	10	280	1
19	Pb 8 Zn 80 Cu 22 -85	29	56	41	34	20	20	230	1
20	698626 +10	15	56	43	42	18	30	220	<1
21	+22	22	44	44	50	22	30	300	1
22	+44	22	75	44	58	24	30	320	<1
23	+60	20	59	46	58	24	20	360	1
24	+85	17	44	40	75	22	20	220	1
25	Pb 5 Zn 170 Cu 35 -85	15	44	50	32	18	20	230	1
26	698627 +10	20	34	29	47	18	410	220	2
27	+22	42	90	46	69	28	60	300	2
28	+44	28	42	24	55	26	50	280	1
29	+60	20	31	24	42	20	50	250	1
30	+85	12	23	18	34	18	30	190	<1
31	Pb - Zn 36 Cu 12 -85	14	31	22	32	16	30	190	1
32	698628 +10	15	25	26	37	15	10	160	1
33	+22	50	59	56	69	32	80	300	2
34	+44	36	50	31	66	32	60	280	2
35	-80 (DAM +60	26	39	26	50	26	50	250	2
36	Pb 5 Zn 60 Cu 25 -85	17	28	20	36	18	30	190	1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

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Sample Tray No. _____ Storage Box No. AS20-521 Locality ADELAIDE

Beaker Tray No. 8 Weighed by _____ D.P.O. BODOS

Date Weighed _____ Date Completed _____ A/c No. B14C12G

NOTE: ALL SAMPLES EXCEPT -10# ASSAYED IN UNCRUSHED STATE

Tray checked in [✓]

	Determinations by								
	Checked by								
	UNCRUSHED	Pb, ppm	Zn, ppm	Cu, ppm	Ni, ppm	Co, ppm	Cr, ppm	MN, ppm	Ag, ppm
38	698628 -85	22	50	67	69	60	30	630	<1
39	698629 +10	16	68	56	29	15	<10	170	<1
40	+22	33	47	67	47	66	50	300	<1
41	+44	29	44	69	50	60	50	250	1
42	+60	22	33	54	42	60	30	250	<1
43	+85	16	63	19	29	16	60	170	<1
44	-85	20	39	29	32	18	30	260	1
45	698630 +10	20	68	27	34	15	<10	260	1
46	+22	33	44	23	47	66	50	280	1
47	+44	28	39	23	47	64	40	280	1
48	+60	23	39	24	42	26	40	280	1
49	+85	14	31	19	29	18	30	170	1
50	Pb- 2,12 Cu 12 -85	17	33	67	24	18	20	260	1
51	698631 +10	14	44	37	50	26	10	510	2
52	+22	14	42	54	56	34	<10	510	1
53	+44	20	66	43	79	60	60	740	2
54	+60	22	56	47	75	56	20	710	1
55	+85	26	56	45	75	53	20	630	2
56	Pb 10 Zn 30 Cu 25 -85	25	56	33	29	24	30	420	2
57	698632 +10	20	47	35	47	28	30	440	1
58	+22	15	56	37	47	30	20	440	1
59	+44	23	65	56	64	44	30	920	1
60	+60	33	84	66	87	95	30	960	2
61	+85	31	75	58	75	96	50	760	1
62	-85	25	59	36	29	24	30	440	1
63	698633 +10	35	42	37	34	20	20	660	1
64	+22	20	56	39	50	48	30	530	1
65	+44	22	72	49	58	46	20	660	1
66	+60	22	65	49	64	56	20	790	1
67	+85	36	163	49	60	56	30	680	1
68	-85	74	179	36	29	26	30	470	1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

Sample Tray No. _____ Storage Box No. A520-521 Locality ADELAIDE

Beaker Tray No. 20 Weighed by _____ D.P.O. RODOS

Date Weighed _____ Date Completed _____ A/c No. B14C12G

NOTE: ALL SAMPLES EXCEPT +10# ASSAYED IN UNCRUSHED STATE. Tray checked in ✓

	Determinations by									
	Checked by									
	UNCRUSHED.	Pb, ppm	Zn, ppm	Cu, ppm	Ni, ppm	Co, ppm	Cr, ppm	Mn, ppm	Ag, ppm
2	698634 +10	12	36	36	50	24	20	490	<1
3	+22	31	150	85	140	81	30	710	2
4	+44	32	88	68	140	65	30	950	1
5	+60	34	74	70	140	78	50	890	1
6	Pb Zn Cu +85	37	62	58	100	67	410	760	1
7	12,8 70,35 25,28 -85	36	59	35	41	24	30	460	<1
8	698635 +10	13	39	41	50	26	20	630	1
9	+22	29	56	68	140	110	20	3400	1
10	+44	73	98	93	180	130	30	1860	2
11	+60	36	100	91	180	160	30	1720	2
12	+85	25	47	58	92	86	40	790	1
13	10 17 25 -85	29	39	33	33	26	20	480	1
14	698636 +10	15	31	36	45	26	10	710	1
15	+22	16	33	41	56	26	20	490	<1
16	+44	19	33	61	83	63	10	810	1
17	+60	19	25	44	68	51	20	840	1
18	Pb Zn Cu +85	36	25	32	45	28	10	560	1
19	10 17 25 -85	16	33	27	31	20	20	440	1
20	698637 +10	13	31	45	41	20	20	560	1
21	+22	16	23	41	54	34	410	810	<1
22	+44	17	25	45	66	42	410	680	<1
23	+60	20	23	48	59	40	10	860	<1
24	+85	22	18	32	47	26	410	490	1
25	20 17 25 -85	28	50	32	35	24	10	510	1
26	698638 +10	13	33	39	43	20	10	530	1
27	+22	20	42	61	83	53	20	610	1
28	+46	22	36	64	86	63	20	980	1
29	+60	20	36	54	78	51	20	870	1
30	+85	20	42	38	54	38	20	580	1
31	20 17 25 -85	17	47	26	31	20	10	440	1
32	698639 +10	19	50	48	63	30	30	710	1
33	+22	19	62	30	78	28	60	560	1
34	+44	22	72	33	81	32	60	920	1
35	Pb Zn Cu +60	25	88	41	97	42	100	890	1
36	20 55 32 +85	22	75	35	81	36	100	710	1

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

Sample Tray No. _____ Storage Box No. A520-521 Locality ADELAIDE

Beaker Tray No. _____ Weighed by _____ D.P.O. B0005

Date Weighed _____ Date Completed _____ A/c No. B14C12G

NOTE: ALL SAMPLES EXCEPT #10 Tray checked in ✓

Determinations by ASSAYES IN ONGROUND STATE									
Checked by									
	UNGROUND	Pb, ppm	Zn, ppm	Cu, ppm	Ni, ppm	Co, ppm	Cr, ppm	MN, ppm	Ag, ppm
38	698639 -85	19	68	24	56	68	70	630	1
39	698640 +10	16	56	32	56	64	40	610	1
40	+22	20	68	25	78	30	70	580	1
41	+44	20	78	30	75	36	70	530	1
42	+60	25	81	32	89	36	100	580	1
43	+85	20	68	27	75	32	100	470	1
44	20 95 32 -85	17	66	21	54	28	80	430	1
45	698641 +10	22	50	36	84	26	30	680	1
46	+22	22	65	32	86	32	70	1150	2
47	+44	25	91	38	98	38	70	1000	1
48	+60	26	81	36	100	42	100	660	1
49	+85	26	56	30	98	42	180	560	1
50	20 95 32 -85	19	56	21	58	24	70	610	1
51	698642 +10	20	76	39	66	24	60	840	1
52	+22	31	78	68	180	67	80	3600	2
53	+44	28	84	38	100	42	100	830	1
54	+60	25	75	29	97	42	160	490	1
55	+85	25	76	25	81	36	130	460	1
56	20 95 32 -85	17	62	23	49	24	80	400	1
57	698643 +10	20	47	47	70	26	60	440	1
58	+22	23	59	37	89	30	30	560	1
59	+44	23	75	38	97	36	30	730	1
60	+60	28	81	44	140	44	70	900	1
61	14 2 6 +85	28	72	41	130	44	80	960	1
62	8 70 32 -85	17	53	25	56	28	50	580	1
63	698644 +10	15	44	36	60	26	60	840	<1
64	+22	17	44	54	81	30	30	680	1
65	+44	23	59	43	100	40	50	1180	1
66	+60	29	75	45	140	49	70	950	<1
67	+85	29	68	41	120	51	80	960	2
68	8 70 32 -85	19	53	22	58	30	70	610	2
69	698645 +10	16	50	30	68	24	60	470	1
70	+22	29	81	54	160	58	30	980	2
71	+44	41	123	60	200	67	80	950	2
72	+60	42	111	54	200	67	120	1000	2

* Sample selected for routine check assay

C.R.A. EXPLORATION PTY. LIMITED
GEOCHEMICAL ANALYSIS

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Sample Tray No. _____ Storage Box No A520-521 Locality ADELAIDE

Beaker Tray No. 16 Weighed by _____ D.P.O. B0005

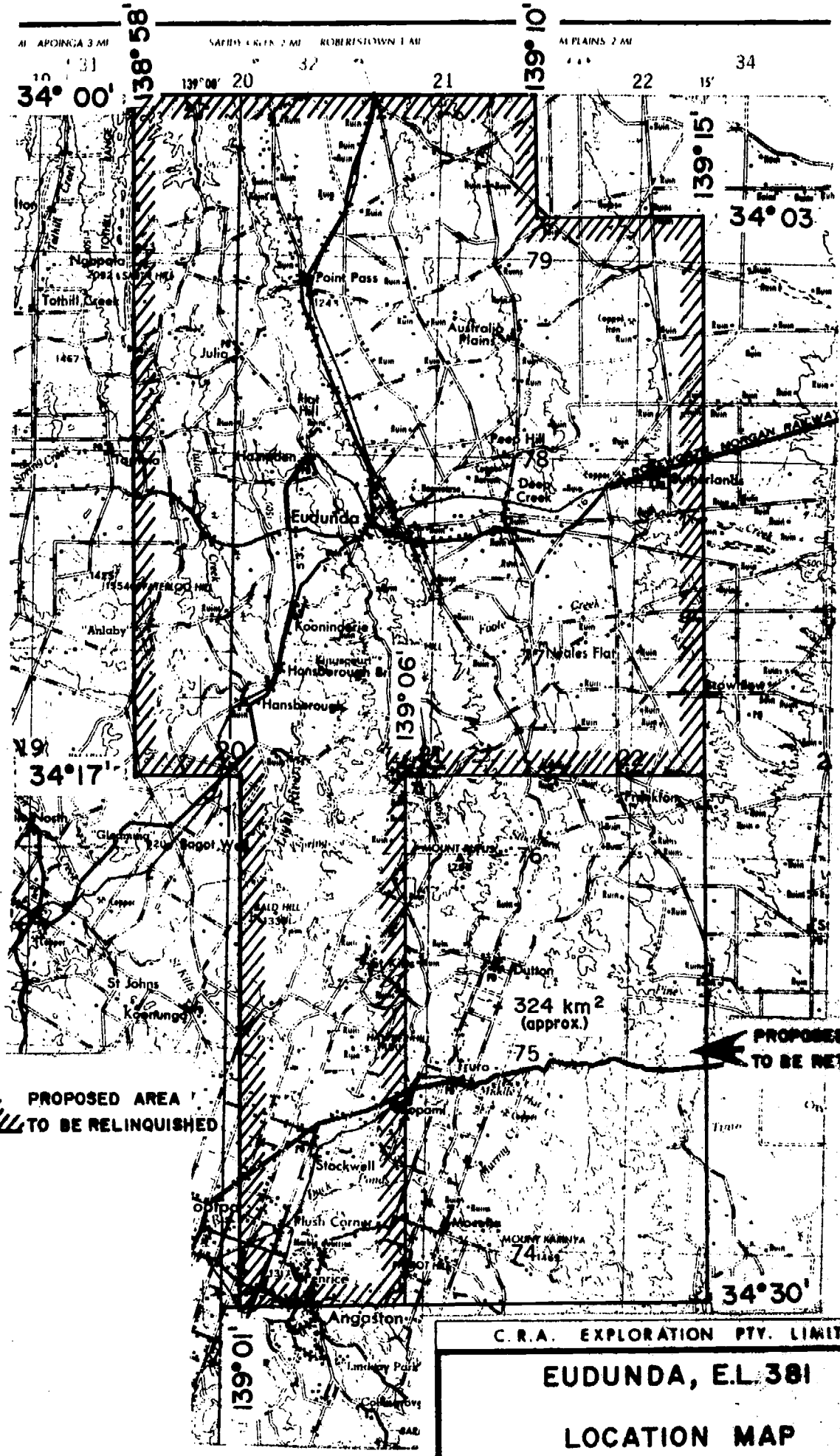
Date Weighed _____ Date Completed _____ A/c No. B14C12G

NOTE: ALL SAMPLES EXCEPT: +10 # Tray checked in ☑

Determinations by ASSAYED IN ONGROUND STATE

Checked by

	UNGROUND.	Pb, ppm	Zn, ppm	Cu, ppm	Ni ppm	Co, ppm	Cr, ppm	MN, ppm	Ag, ppm
2	698645 +85	37	91	50	180	60	130	810	2
3	8 70 32 – 85	20	53	27	58	30	70	660	<1
4	698646 +10	23	50	120	60	26	10	360	<1
5	+22	18	44	28	68	26	30	580	<1
6	+44	21	47	28	78	34	30	810	<1
7	+60	25	78	33	39	46	50	900	<1
8	+85	27	59	31	89	42	60	920	1
9	8 70 32 – 85	16	50	21	56	28	50	630	1
10	698647 +10	14	31	30	49	26	30	470	<1
11	+22	18	47	23	68	30	60	630	<1
12	+44	19	42	22	73	34	70	630	<1
13	+60	19	44	26	63	32	80	560	<1
14	P 2 C +85	14	34	21	56	28	80	470	<1
15	12 85 55 – 85	16	53	26	56	26	80	530	1
16	698648 +10	14	42	26	56	22	30	410	<1
17	+22	21	50	32	70	30	70	660	<1
18	+44	25	78	60	81	38	80	630	<1
19	+60	21	53	31	81	38	100	630	1
20	+85	21	46	22	65	32	100	530	<1
21	12 85 55 – 85	12	47	20	61	28	80	610	1
22	698649 +10	19	56	32	92	34	100	560	2
23	+22	19	59	22	100	36	150	610	1
24	+44	18	65	22	130	42	170	630	2
25	+60	18	56	21	130	40	200	610	2
26	P 2 C +85	19	53	19	92	36	260	560	2
27	8 60 25 – 85	14	76	19	130	36	170	530	1
28	698650 +10	21	37	150	54	22	10	300	<1
29	+22	19	50	30	73	26	30	440	1
30	+44	19	81	22	71	30	80	440	<1
31	+60	18	65	21	60	30	50	490	<1
32	+85	19	76	19	49	24	70	470	<1
33	8 60 25 – 85	19	53	17	43	22	70	560	2



Scale

5 0 5 10 KMS.

C.R.A. EXPLORATION PTY. LIMITED

EUDUNDA, E.L. 381

LOCATION MAP

Ref: ADELAIDE SI 54-9	Scale: 1 : 250,000.
Geol: D.O.M., T.M.	Report No:
Drawn: G.D.K., D.W.	Plan No: SAa 107

Note

This plan was compiled from an uncorrected 1:50000 air photo mosaic & is a direct tracing of Eudunda (Sheet N°6729-IV). The scale is therefore only approximate & topographic on adjoining sheets may not align

KEY

- Stream Sediment Sample.
- Eudunda Arcose Soil Traverse (50m intervals)
- Karinya Shale Soil Traverse (50m intervals)
- Geological Boundary
- Fault
- Approx Boundary of E.L portion to be worked

SHEET INDEX

SHEET 1

SHEET 2

APPROXIMATE SCALE

3233-1

C.R.A. EXPLORATION PTY LTD

EUDUNDA, E.L 381 SHEET 1

SOIL, ROCK CHIP, & STREAM SEDIMENT SAMPLE LOCATIONS

Ref.: ADELAIDE SI 54-9.	Scale 1:50000 approx
Geologist: T.E.M.	Report N°
Drawn: D.R.W.	Plan N°. SAo 216

Note

This plan was compiled from an uncorrected 1:50 000 air photo mosaic & is a direct tracing of Truro (Sheet No 6729-III). The scale is therefore only approximate. & topography on adjoining sheets may not align

KEY

- Key. Stream Sediment Sample.
- Eudunda Arcose Soil Traverse (50m intervals).
- Karinya Shale Soil Traverse (50m intervals)
- Geological Boundary.
- Fault
- Approx. Boundary of E.L portion to be relinquished.

ENLARGEMENT

Approx Boundary of E.L 381

Approx Boundary of E.L 381

Site Endorsement for Rock Chip Traverses

Stockwell

Eudunda

Plush Corner

Penrice

Mt KARINYA

HIGHWAY

RAILWAY

STUART

RURU

NURIOOTPA

SHEET NO.

SHEET 1

SHEET 2

APPROXIMATE SCALE

3233-2

C.R.A. EXPLORATION PTY LTD.

EUDUNDA, E.L. 381. SHEET 2.
SOIL, ROCK CHIP, & STREAM SEDIMENT SAMPLE LOCATIONS

Ref.: ADELAIDE SI 54-9.	Scale: 1:50,000 approx.
Geologist: T.E.M.	Report No:
Drawn: D.R.W.	Plan No: S Aa 217.

C.R.A. EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)
95 COLLINS STREET, MELBOURNE, AUSTRALIA 3001

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P.O. BOX 3841
TELEPHONE: 63 0491
TELEGRAMS: "CONRIO"
TELEX AA 30108

13S E1

17 November 1978.

The Director of Mines
PO Box 151
EASTWOOD SA 5063

Dear Sir,

EL 381 - Eudunda, SA
Report for the Quarter Ended 25 October 1978

Please find attached a report by D O Mason entitled "Report on Eudunda EL 381 SA for Quarter Ending 25/10/78", dated 16 October 1978.

Results to date are weakly encouraging.

Expenditure for the period ended 31 October 1978, the nearest accounting period, amounted to $6976 comprising:

Salaries	$1213
Wages	454
General Supplies	131
Vehicles	308
Assaying	4222
General Overheads	648
	$6976

Yours faithfully,

for J Collier
General Manager

Att

C.R.A. EXPLORATION PTY. LIMITED

REPORT ON EUDUNDA E.L. 381 S.A.

FOR QUARTER ENDING 25/10/78

AUTHOR: D.O. MASON

DATE: 16th October, 1978

COPIES TO: S.A. MINES DEPARTMENT
C.R.A. EXPLORATION LIBRARY

CONTENTS

1. SUMMARY AND INTRODUCTION

This report discusses work undertaken on E.L. 381 during the quarter ending 25th October, 1978. During this extremely wet winter three months no actual field work was conducted and work comprised a review of previous exploration efforts. Part of E.L. 381 was relinquished following the submission of the last quarterly report.

2. CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the portions of the Karinya Shale still held within E.L. 381 are worthy of further prospecting for Pb, Zn, and Cu. The Appila Tillite - Tindelpina Shale boundary south of Mt. Rufus is also considered worthy of further exploration.

During the next quarter it is recommended that:

(a) a programme of regional/detailed soil sampling begin over mapped areas of the Karinya Shale with special attention in structurally complex areas such as noses of folds

(b) further detailed rock chip and/or soil sampling be conducted over the area containing anomalous copper values south of Mt. Rufus at the Appila Tillite/Tindelpina Shale boundary.

3. DISCUSSION

After a preliminary investigation of the rocks within E.L. 381, only part of the area was considered prospective and the size of the E.L. has been reduced to 332 square kilometres.

It is believed that this E.L. covers the most prospective portions of both the Karinya Shale, and the Appila Tillite/ Tindelpina Shale contact.

D.O. Mason

D.O. MASON

KEYWORDS

Locality:Adelaide S1 54-9

Appila Tillite, Tindelpina Shale, Karinya Shale, copper, lead, zinc, soil sampling, rock chip sampling.

C.R.A. EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)
95 COLLINS STREET, MELBOURNE, AUSTRALIA 3001

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P.O. BOX 3842
TELEPHONE: 63 0491
TELEGRAMS: "CONRIO"
TELEX AA30108

13S E1

26th February, 1979.

The Director of Mines,
P.O. Box 151,
EASTWOOD, S.A. 5063

Dear Sir,

E.L. 381 - Eudunda, S.A.
Report for the Quarter Ended 26th January, 1979
and Final Report

Please find attached a report by T. E. Mayer entitled "Fourth Quarterly Report for the Period Ended 25/1/79 and Final Report on E.L. 381, Eudunda, South Australia" dated 31st January, 1979.

Results to date have downgraded the possibility of locating significant base metal mineralisation.

Final expenditure on this E.L. amounted to $22,695 comprising:

Salaries and Wages	$7,273
General Supplies	470
Vehicles	1,512
Travel and Accommodation	518
Contractors	900
Assaying	6,473
General Overheads	5,549
	$22,695

Yours faithfully,

for: J. Collier
General Manager

SAF:jm

Encl.

C.R.A. EXPLORATION PTY. LIMITED

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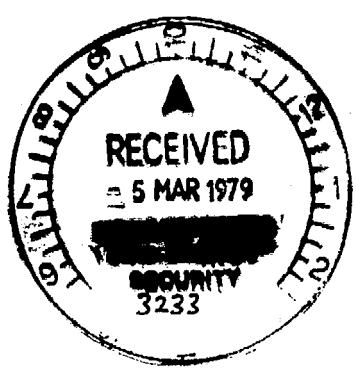
FOURTH QUARTERLY REPORT FOR THE PERIOD ENDED 25/1/79 AND FINAL REPORT ON E.L. 381, EUDUNDA, SOUTH AUSTRALIA

Author: T. E. Mayer

Date: 31st January, 1979.

Submitted to: D. R. Kennedy

Copy to: S.A. Department of Mines



CONTENTS

1. SUMMARY

This report discusses work undertaken on E.L. 381 during the quarter ending 25th January, 1979, and summarises all work undertaken on E.L. 381 during the year ending 25th January, 1979. Geochemical sampling was undertaken over various prospective horizons, namely the Eudunda Arkose, the Truro Volcanics, the Tindelpina Shale and underlying Appila Tillite south of Mt. Rufus, and the Karinya Shale. A stream sediment orientation survey was undertaken north of Dutton. Anomalous copper values were obtained from rock chip samples from the Appila Tillite/Tindelpina Shale contact south of Mt. Rufus, but follow-up soil and rock chip sampling indicated no significant lateral extent to the mineralisation. Anomalous lead and zinc values were obtained from soil samples over the Karinya Shale. More intensive soil sampling produced only isolated anomalous values, implying that no significant mineralisation occurs in the Karinya Shale.

2. INTRODUCTION

Eudunda E.L. 381 covering an area of 1295 km^2 was granted to C.R.A. Exploration Pty. Limited on 25th January, 1978, for the term of one year. Following the submission of the second quarterly report, the western and northern portions of the E.L. were relinquished (Plan No. SAa 107). This report deals with work carried out on the retained portion of E.L. 381. Work undertaken on the relinquished portion of E.L. 381 has been reported separately (Mason D.O. and Mayer T.E., 1978a).

3. CONCLUSIONS AND RECOMMENDATIONS

As a result of the surveys undertaken, it is concluded that none of the prospective horizons examined is likely to contain significant base metal mineralisation. Anomalous copper, lead and zinc geochemical analyses are believed to reflect thin uneconomic bands of mineralisation. Consequently, it is recommended that E.L. 381 be relinquished.

4. GEOLOGICAL SAMPLING

4.1 EUDUNDA ARKOSE AND TRURO VOLCANICS SURVEY

Soil sample traverses were undertaken over the Eudunda Arkose and Truro Volcanics. Samples were taken at 50 m intervals on traverses approximately 2 km apart. Base metal values, particularly lead and copper, were very

low, the few high values being single sample anomalies. This survey is discussed in more detail in the second quarterly report on E.L. 381 (Mason D.O. and Mayer T.E., 1978b).

4.2 KARINYA SHALE SOIL SAMPLING

A hand auger soil sampling survey was undertaken over the Karinya Shale during June, 1978. A sample spacing of 50 m was maintained on traverses approximately 2 km apart. Samples were crushed and analysed for Pb, Zn, Cu and U. Some anomalous lead, zinc and to a lesser extent, copper values were recorded on the eastern limb of a northward plunging syncline in a zone bounded by Pine Creek in the north, and the closure of the syncline north of Mt. Karinya in the south.

More intensive soil sampling was undertaken in this zone during January, 1979. Only a few isolated high values were recorded and it was concluded that these high values were probably derived from thin mineralised veins of no economic significance.

4.3 SAMPLING OF THE APPILA TILLITE AND TINDELPINA SHALE

Rock chip sampling south of Mt. Rufus revealed a copper anomaly of 1100 ppm over 50 m in the Appila Tillite adjacent to the contact with the overlying Tindelpina Shale. Minor malachite was observed in joints in siltstones of the Appila Tillite in the vicinity of the anomaly. More intensive rock chip and soil sampling was undertaken. No significant lateral extent of the anomaly was revealed and it was concluded that the anomaly represents superficial supergene enrichment.

4.4 STREAM SEDIMENT SAMPLING

As reported in the second quarterly report on E.L. 381 (Mason D.O. and Mayer T.E., 1978b) an orientation stream sediment survey was undertaken north of Dutton, for the purposes of size fraction analysis and correlation with Department of Mines stream sediment data. No significant difference was noted between analyses for unground and ground samples, nor did any one size fraction stand out consistantly as being more suitable than any other size fraction.

For the -85 mesh fraction, zinc and copper data correlated reasonably well with Department of Mines data. However, poor correlation was noted for lead data.

T.E. Mayer

T.E. MAYER

KEYWORDS

Locality:Adelaide S 1 54-9

Adelaidean, Cambrian, Appila Tillite, Tindelpina Shale, Eudunda Arkose, Truro Volcanics, Karinya Shale, lead, zinc, copper, uraniun,soil sampling, rock chip sampling, stream sediment sampling.

REFERENCES

Mason D.O. and Mayer T.E. 1978a — Final Report for the Relinquished Portion of Eudunda E.L. 381 S.A. 10th August, 1978.

Mason D.O. and Mayer T.E. 1978b — Report on Eudunda E.L. 381 S.A. for quarter ending 25/7/78. 15th August, 1978.

LIST OF ATTACHMENTS

Appendix 1	Soil Sample Ledgers	
Plan SAa 107	Locality Map	1:250,000
Plan SAa 217	Soil, Rock Chip and Stream Sediment sample locations	1:50,000 approx.

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No. .....

TENEMENT E.L. 331 EUDUNDA — D.P.O. No. B.9026

AREA/PROSPECT ADRIANA SHALE — SAMPLE Nos. 755566 → 755575 — GEOLOGIST T.L.M. — DATE 6 JAN. '79

PLAN REFERENCE TRURO ISOPACH PHOTOMOSAIC — ANALYSED BY AMDEL

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
K20 E→W	755566	20	0	20	40	20	B	10	Br	✓	-	-	140	110	12				Decomp. sandy subst.
(25m intervals)	7	20	0	20	40	20	B	10	"	✓	-	-	95	70	15				Ditto.
	8	20	0	20	40	20	C	20	Br	✓	-	-	38	45	65				"
	9	25	0	20	40	15	B	10	Br	✓	-	-	22	60	65				"
	755570	0	0	0	70	30	C	20	"	-	✓	40	<5	28	12				Decomp shale.
	1	0	0	0	70	30	C	20	"	-	✓	40	<5	35	15				Ditto
	2	0	0	0	70	30	C	20	"	-	✓	40	<5	42	20				"
	3	10	0	10	50	30	C	20	Br	-	✓	40	<5	46	22				Decomp subst.
	4	10	0	20	40	30	C	20	"	-	✓	40	<5	32	22				" sandy "
	5	20	0	20	40	20	C	20	"	-	✓	40	<5	32	22				Ditto.

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: EL 581 Cudpardi

AREA/PROSPECT: [illegible]

PLAN REFERENCE: Tmax 1:50000 Photo mosaic

A 9006

SAMPLE Nos. 755576 → 755585

Page No. ......

D.P.O. No. B 0028

GEOLOGIST: [illegible] DATE: [illegible] '79

ANALYSED BY: [illegible]

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag			Geological observations
K21 C→W	755576	20	[illegible]	20	39	20	C	20	Br	–	✓	30	100	60	30				Decomp sandy schist
(Continued)	7	20	[illegible]	20	39	20	C	20	"	–	✓	30	15	35	15				Ditto
	8	20	0	20	40	20	C	20	"	–	✓	30	18	20	18				"
	9	10	0	0	60	30	C	20	"	–	✓	40	9	18	25				Decomp shale
	755580	10	0	0	60	30	C	20	"	–	✓	40	<5	15	12				Ditto
	1	30	0	0	50	20	C	20	"	–	✓	30	<5	12	12				"
	2	10	0	10	[illegible]	20	C	20	"	–	✓	30	<5	15	22				Decomp schist
	3	20	0	20	40	20	C	20	"	–	✓	40	5	15	22				" sandy "
	4	20	0	20	40	20	C	20	"	–	✓	40	<5	20	20				Ditto
	5	10	0	20	50	20	C	20	"	–	✓	30	<5	18	22				"

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 351 Cudunda

AREA/PROSPECT Kaimya Shale

PLAN REFERENCE Tonal 1:56000 Photo Mosaic

A 9005

SAMPLE Nos. 755586 → 755601

Page No.

D.P.O. No. B0028

GEOLOGIST T.E.M. DATE Jan '79

ANALYSED BY AMDEL

Grid Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-cealed	Est. Depth to	Pb	Zn	Cu	Ag			Geological observations
K22 E-30	755586	20	0	20	40	20	C	20	Br	✓	-	-	8	48	22				Decomp ~~[illegible]~~ arkose
30m intervals	7	0	0	0	70	30	C	20	"	-	✓	50	10	36	15				Decomp. shale.
	8	0	0	0	70	30	C	20	"	-	✓	50	15	48	15				Ditto.
	9	20	0	20	40	20	C	20	"	-	✓	40	5	40	12				Decomp sandy schist.
	755590	50	0	10	30	10	C	15	"	✓	-	-	<5	130	2				Ditto.
	1	50	0	0	30	20	C	15	"	✓	-	-	5	95	5				Decomp. schist
	2	10	0	20	45	25	C	15	"	✓	-	-	65	130	28				Decomp. arkose
	3	10	0	20	45	25	C	15	"	[illegible]	✓	40	35	75	20				Ditto.
	4	30	0	0	50	20	C	20	"	-	✓	40	35	80	20				Decomp grey carb. phyllite
	5	20	0	0	55	25	C	15	"	✓	-	-	48	100	48				Ditto.
	6	20	0	0	55	25	C	15	"	-	✓	20	20	30	15				"
	7	20	0	0	55	25	C	15	"	-	✓	30	<5	25	15				"
	8	20	0	0	55	25	C	20	"	-	✓	40	<5	22	25				"
	9	20	0	10	50	20	C	15	"	✓	-	-	12	30	18				Decomp. sandy schist.
	755600	20	0	10	50	20	C	20	"	-	✓	40	12	30	18				Ditto.
Gossan sample from betw. Mt Harinya & Moonlee	755601	100							R-br	✓	-	-	10	28	170	2			

TENEMENT EL 381 Eudunda

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT Kanmantoo Shale SAMPLE Nos. 755602 → 755610

D.P.O. No. B0030

PLAN REFERENCE Tenso 1:50000 Photo mosaic

GEOLOGIST T.E.M. DATE Jan '79

ANALYSED BY AMDEL

A 9005

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic %	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
K23	755602	20	0	20	40	20	C	20	Br-	✓	-	-	10	49	12				Decomp sandy schist
6 → W	3	20	0	10	50	20	C	20	"	✓	-	-	10	35	10				Decomp schist
50m intervals	4	20	0	10	50	20	C	20	"	✓	-	-	15	45	12				Dittо
	5	20	0	10	50	20	C	10	"	✓	-	-	20	80	8				
	6	30	0	10	40	20	C	10	"	✓	-	-	70	60	20				Decomp sandy schist
	7	20	0	0	60	20	C	15	"	-	✓	30	75	90	25				Decomp shale
	8	30	0	0	50	20	C	15	Gr Br	✓	-	-	42	100	42				Decomp carb shale. Subcrop
	9	30	0	0	50	20	C	15	" "	✓	-	-	35	80	45				Decomp carb shale
	755610	10	0	10	50	30	C	10	Br	✓	-	-	12	35	20				Decomp sandy schist.

Page No.

GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT: E.L. 381 Eudunda

AREA/PROSPECT: Koringa Shale

PLAN REFERENCE: Truro 1:50000 Photo mosaic

SAMPLE Nos.: 755611 → 755621

D.P.O. No.: B0030

GEOLOGIST: T. E. M. DATE: Jan '79

ANALYSED BY: AMDEL.

A 9006

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Concealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag			Geological observations
K24	755611	20	0	15	45	20	C	20	Br	–	✓	30	12	28	12				Decomp arkose. (o/c nearby)
E→W	2	20	0	15	45	20	C	20	"	–	✓	30	12	32	12				Ditto.
50m interval	3	10	0	0	60	30	C	20	Br	–	✓	30	22	60	20				Decomp. carb. shale (o/c nearby)
	4	20	0	0	55	25	C	20	"	–	✓	30	18	100	32				Ditto. } Ferrug qtz float
	5	30	0	0	50	20	C	10	Gr.Br	✓	–	–	260	420	80				Ditto. } Some appears
	6	10	0	0	60	30	C	20	Br	–	✓	30	15	50	22				Decomp. shale } gossanous.
	7	10	0	0	60	30	C	20	"	–	✓	40	30	42	20				"
	8	10	0	0	60	30	C	20	"	–	✓	30	45	50	30				" carb. " . Gossan float nearby
	9	20	0	0	55	25	C	20	"	–	✓	40	28	60	35				" shale.
	755620	30	0	0	50	20	C	20	"	–	✓	40	45	90	40				Ditto.
	755621	20	0	20	40	20	C	20	"	–	✓	40	8	38	20				Decomp sandy schist

TENEMENT E.L. 331 Eudunda | **GEOCHEMICAL SOIL SAMPLING LEDGER** | Page No. ....

D.P.O. No. B 00 30

AREA/PROSPECT Kanmantoo Shale | SAMPLE Nos. 755622 → 755633 | GEOLOGIST T.C.W. DATE Jan '79

PLAN REFERENCE Truro 1:50000 Photo mosaic | ANALYSED BY AMDEL

A 9006

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag			Geological observations
K25	755622	0	0	10	60	30	C	40	Br	–	✓	80	12	30	12				Decomp. schist
E→W	3	20	0	0	60	20	C	20	Br	–	✓	30	25	95	20				" carb. phyllite
50m interval	4	20	0	0	60	20	C	20	"	–	✓	30	50	85	65				Ditto
	5	10	0	0	60	30	C	10	"	✓	–	–	8	35	15				Decomp schist.
	6	10	0	0	60	30	C	10	"	✓	–	–	8	35	15				Ditto
	7	20	0	0	60	20	C	15	"	✓	–	–	5	60	15				"
	8	10	0	0	60	30	C	20	"	–	✓	40	30	42	30				Decomp. carb shale.
	9	20	0	0	60	20	C	20	"	–	✓	40	28	35	50				Ditto
	755630	30	0	0	50	20	C	10	"	–	✓	15	32	45	48				"
	1	30	0	0	50	20	C	15	"	✓	–	–	15	60	42				"
	2	20	0	0	50	30	C	20	"	–	✓	50	10	30	15				"
	755633	20	0	0	50	30	C	30	"	–	✓	60	18	42	25				Decomp. schist.

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TENEMENT E.L. 391 Eudunda

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. B 00 30

AREA/PROSPECT Kanmantoo Shale

SAMPLE Nos 755634 → 755643

GEOLOGIST T.E.M. DATE Jan '79

PLAN REFERENCE Truro 1:50 000 Photo Mosaic

ANALYSED BY AMDEL

A 2006

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Colour	Bedrock: Outcrop	Con-cealed	Est. Depth to	Metal Content in ppm.: Pb	Zn	Cu	Ag			Geological observations
K26	755634	30	0	0	50	20	C	20	Gr Br	–	✓	20	10	70	110				Decomp grey phyllite
E→W	5	30	0	0	50	20	C	20	Br	–	✓	30	8	75	30				" carb. "
36 m int.	6	20	0	0	55	25	C	20	"	–	✓	40	15	40	28				Ditto
	7	10	0	0	60	30	C	20	"	–	✓	50	18	40	18				"
	8	10	0	0	60	30	C	20	"	–	✓	50	12	38	18				"
	9	10	0	0	60	30	C	20	"	–	✓	50	10	22	15				"
	755640	10	0	0	60	30	C	20	"	–	✓	50	12	25	15				Decomp phyllite
	1	10	0	0	60	30	C	20	"	–	✓	60	8	25	15				Ditto
	2	10	0	0	60	30	C	20	"	–	✓	60	8	25	12				"
	3	20	0	10	50	20	C	15	"	✓	–	–	8	28	12				Decomp sandy schist

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GEOCHEMICAL SOIL SAMPLING LEDGER

TENEMENT E.L. 381 Eudunda — D.P.O. No. B0030

AREA/PROSPECT Karinya Slate — SAMPLE Nos. 755644 → 755662 — GEOLOGIST T.E.M. — DATE Jan '79

PLAN REFERENCE Trafo 1:50 000 Plate Mosaic — ANALYSED BY AMDEL

A 9006

Grid Co-ordinate	Sample No.	Soil Composition: Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Sample: Depth cm.	Sample: Colour	Bedrock: Outcrop	Bedrock: Concealed	Bedrock: Est. Depth to	Metal Content in ppm: Pb	Zn	Cu	Ag			Geological observations
K27	755644	20	0	10	50	20	C	20	Br	-	✓	50	15	38	22				Decomp sandy schist
E→U	5	10	0	0	60	30	C	30	Br	-	✓	60	22	45	25				Decomp. phyllite
50m inland	6	10	0	0	60	30	C	15	"	✓	-	-	38	55	35				Ditto
	7	30	0	0	50	20	C	15	"	✓	-	-	460	120	60				"
	8	20	0	0	55	25	C	20	"	-	✓	30	55	85	30				"
	9	20	0	0	55	25	C	20	"	-	✓	30	70	130	42				Decomp. carb. phyllite
	755650	20	0	0	55	25	C	20	"	-	✓	30	35	80	42				Ditto
	1	20	0	0	55	25	C	20	"	-	✓	25	20	70	20				"
	2	30	0	0	50	20	C	20	"	-	✓	25	30	85	42				"
	3	30	0	0	50	20	C	15	"	✓	-	-	30	50	45				Decomp. phyllite
	4	20	0	0	55	25	C	20	"	-	✓	30	25	60	50				Ditto
	5	20	0	0	55	25	C	20	"	-	✓	30	18	42	25				Decomp. carb. phyllite
	6	20	0	0	55	25	C	20	"	-	✓	30	18	40	22				Ditto
	7	20	0	0	55	25	C	20	"	-	✓	30	12	46	15				"
	8	30	0	0	50	30	C	10	"	✓	✓	-	28	46	30				"
	7	10	0	0	60	30	C	20	"	-	✓	30	28	42	22				Decomp phyllite
	755660	10	0	0	60	30	C	15	"	✓	-	-	12	50	18				Ditto
	1	10	0	0	60	30	C	20	"	-	✓	30	15	30	16				Decomp carb phyllite
	2	10	0	0	60	30	C	20	"	-	✓	30	20	50	20				Ditto

TENEMENT E.L 381 Eudunda

GEOCHEMICAL SOIL SAMPLING LEDGER

Page No.

AREA/PROSPECT Karinya Shale SAMPLE Nos. 755663 → 755681

D.P.O. No. B 0030

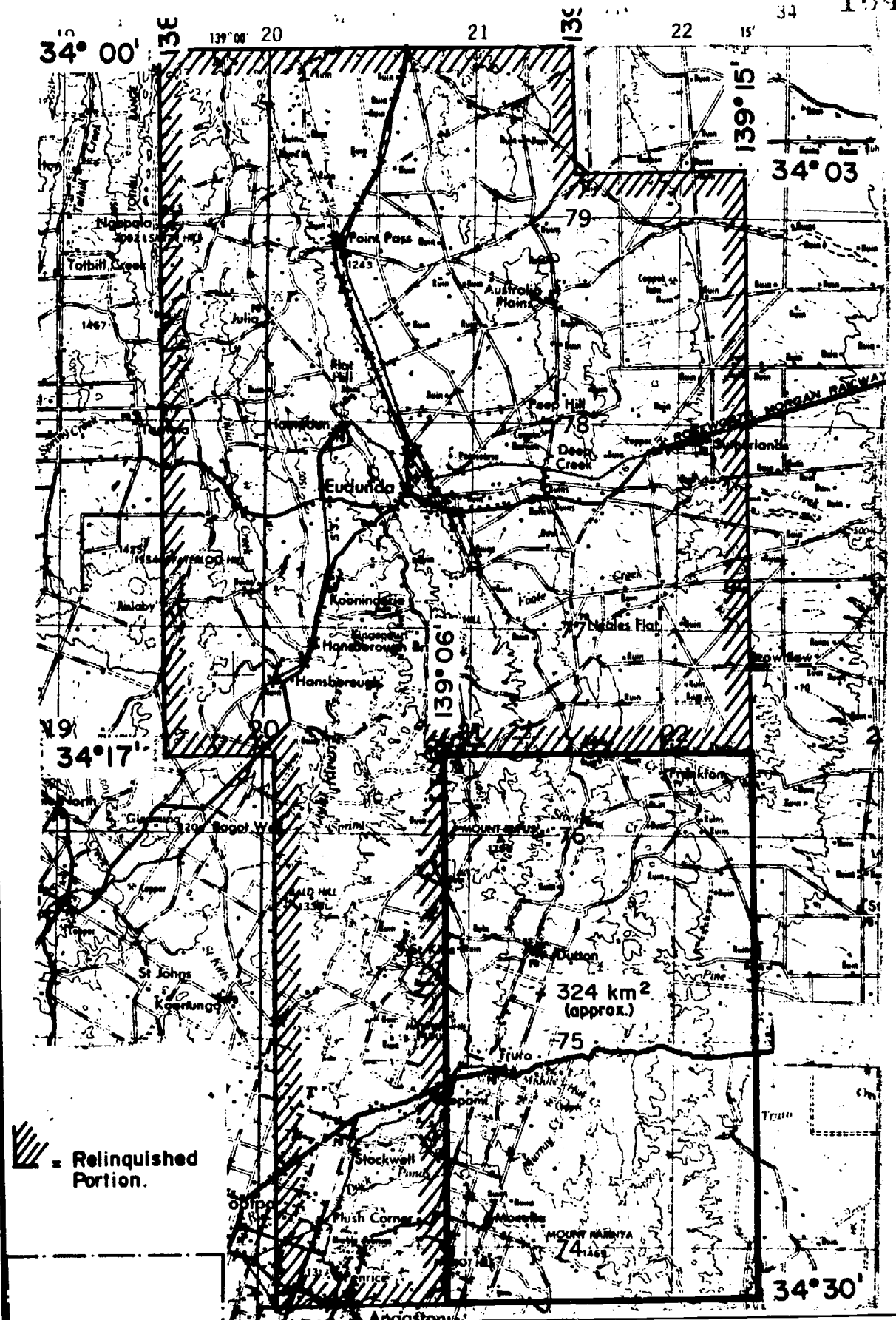
PLAN REFERENCE Trunk 1:50 000 Photo mosaic

GEOLOGIST T. E. M. DATE Jan. '79

ANALYSED BY AMDEL

A 9006

Grid Co-ordinate	Sample No.	Soil Composition					Soil Horizon	Sample		Bedrock			Metal Content in ppm.						Geological observations
		Rock %	Organic	Sand %	Silt %	Clay %		Depth cm.	Colour	Outcrop	Concealed	Est. Depth to	Pb	Zn	Cu	Ag			
K28	755663	20	0	0	60	20	C	20	Br	–	✓	30	25	55	28				Decomp phyllite
E→W	4	20	0	0	60	20	C	15	Br	✓	✓	–	18	60	90				Ditto.
50m intervals	5	30	0	0	50	20	C	15	"	✓	–	–	10	25	100				"
	6	20	0	0	60	20	C	20	"	–	✓	30	90	70	60				"
	7	20	0	0	60	20	C	20	"	–	✓	30	35	55	20				"
	8	30	0	0	50	20	C	20	"	–	✓	30	10	65	12				"
	9	30	0	0	50	20	C	20	"	–	✓	30	10	45	15				"
	755670	30	0	0	50	20	C	20	Gr.Br	–	✓	25	60	60	45				Decomp. carb. shale.
	71	20	0	0	60	20	C	20	Br	–	✓	30	9	42	20				Ditto.
	72	30	0	0	50	20	C	20	"	–	✓	30	8	60	15				Ditto.
	73	30	0	0	50	20	C	15	Gr.Br	✓	–	–	8	35	22				"
	74	30	0	0	50	20	C	15	" "	✓	–	–	8	70	15				"
	75	0	0	0	70	30	C	20	Br	–	✓	50	8	32	8				" (?)
	76	0	0	0	70	30	C	20	"	–	✓	60	8	25	12				"
	77	0	0	0	70	30	C	20	"	–	✓	60	10	22	15				"
	78	0	0	0	70	30	C	20	"	–	✓	60	10	22	12				"
	79	10	0	0	60	30	C	20	"	–	✓	50	20	40	20				Decomp. ~~shale~~ phyllite
	755680	10	0	10	50	31	C	20	"	✓	–	–	12	18	10				Decomp arkose
	755681	10	0	10	50	30	C	15	"	✓	–	–	8	15	12				Ditto



C.R.A. EXPLORATION PTY. LIMITED

EUDUNDA, E.L. 381

LOCATION MAP

Ref: ADELAIDE SI 54-9	Scale: 1 : 250,000.
Geol: D.O.M., T.M.	Report No: 8953
Drawn: G.D.K., D.W.	Plan No: SAa 107

Note

This plan was compiled from an uncorrected 1:50 000 air photo mosaic & is a direct tracing of Truro (Sheet No 6729-III). The scale is therefore only approximate. & topography on adjoining sheets may not align

KEY

- Key. Stream Sediment Sample.
- Eudunda Arcose Soil Traverse (50m intervals).
- Karinya Shale Soil Traverse (50m intervals)
- Geological Boundary.
- Fault
- Approx. Boundary of E.L portion to be relinquished.

ENLARGEMENT

Approx Boundary of E.L 381

Approx Boundary of E.L 381

Site Endorsement for Rock Chip Traverses

Stockwell

Eudunda

Plush Corner

Penrice

Mt KARINYA

HIGHWAY

RAILWAY

STUART

RURU

NURIOOTPA

SHEET NO.

SHEET 1

SHEET 2

APPROXIMATE SCALE

3233-2

C.R.A. EXPLORATION PTY LTD.

EUDUNDA, E.L. 381. SHEET 2.
SOIL, ROCK CHIP, & STREAM SEDIMENT SAMPLE LOCATIONS

Ref.: ADELAIDE SI 54-9.	Scale: 1:50,000 approx.
Geologist: T.E.M.	Report No:
Drawn: D.R.W.	Plan No: S Aa 217.