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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

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Enquiries: Customer Services Branch

Minerals and Energy Resources

7th Floor

101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000 Facsimile: (08) 8204 1880



SCHEDULE A 34°00 34°03′ BOWER **BROW** 34°171 WAPUND & T CO EYRE Stonefield 5 SCALE 1:250 000 KILOMETRES 25 KILOMETRES

APPLICANT: C.R.A. EXPLORATION PTY LIMITED 332
DM 502/77 AREA: 1295

D.M.: 502 / 77

Square kilometres

1: 250 000 PLANS:

ADELAIDE

LOCALITY: EUDUNDA AREA

EXPIRY DATE: 25 · I · 79

EXPIRED

E.L. No.: 381

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)

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.

this.

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

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1. <u>SUMMARY</u> 007

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 rield 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 <u>EUDUNDA 1:63,360 SHEET</u>

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.

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

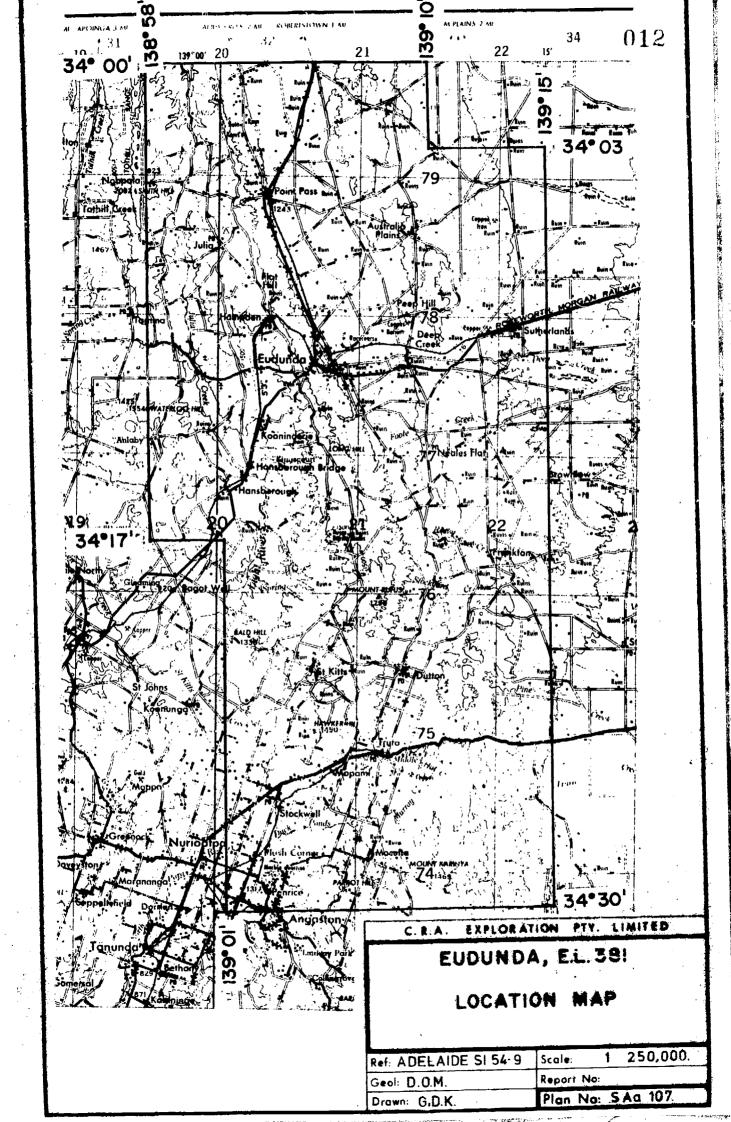
KEYWORDS

Locality: Adelaide sl 54-9.

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

of S.A.

Geol. Surv. of S.A.



LIST OF ATTACHMENTS

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

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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

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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 km² 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

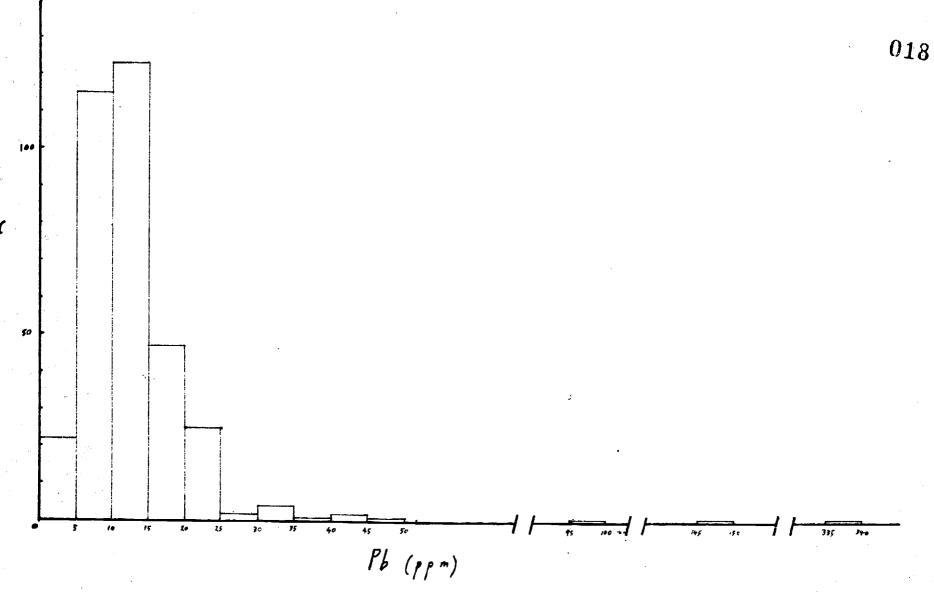
plotted for lead, zinc and copper data (Tables 1-3). Base metal values, particularly lead and copper, were very low, the few high values being single sample anomalies. Although it was recognized that a subsoil calcrete horizon encountered on some traverses in the northern part of the survey may have 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.

DO Mann

D.O. MASON



Eudunda Arkose Lead Data Table 1.

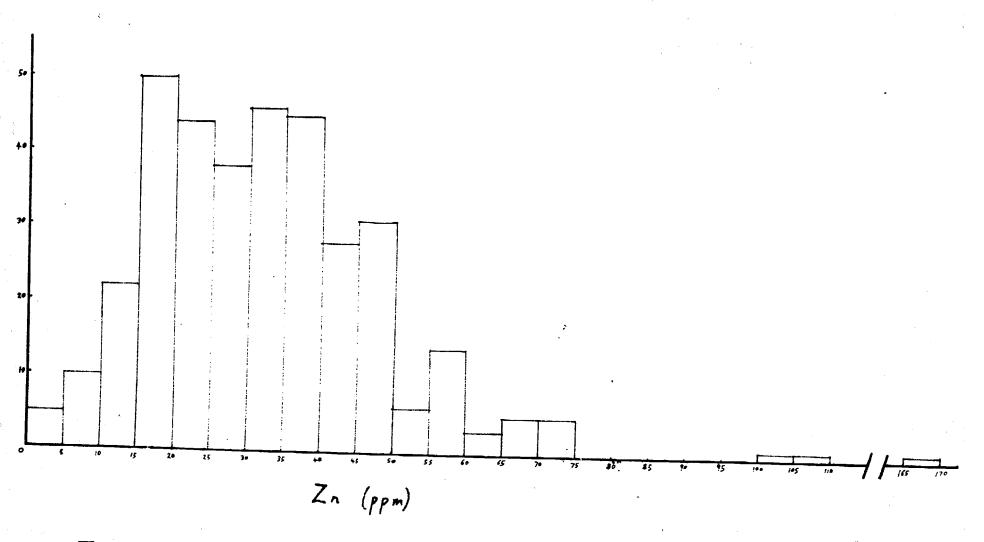


Table 2. Eudunda Arkose Zinc Data

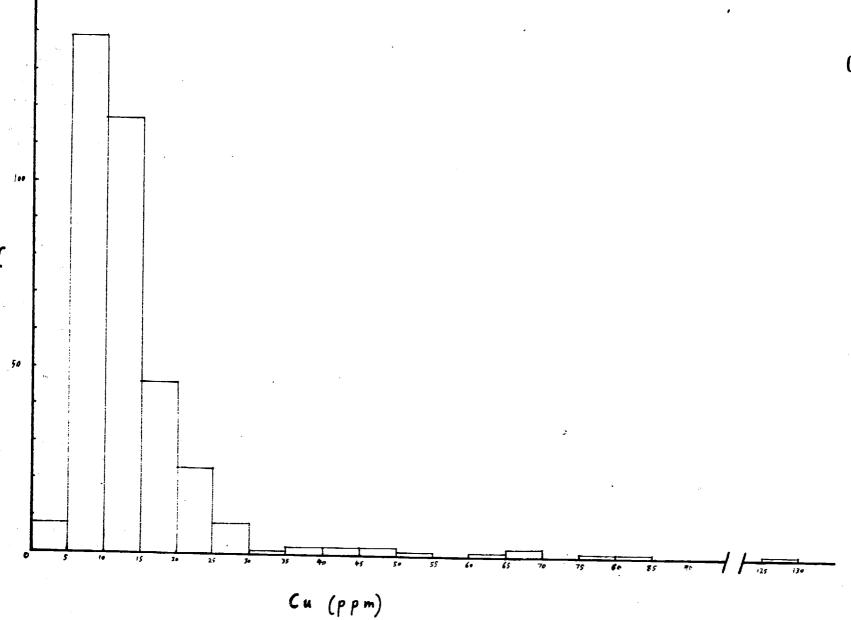


Table 3. Eudunda Arkose Copper Data

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 Plan SAa 107	Geochemical Soil Sampling Location Map	Ledger 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

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7.00		30	-	ø					all	V		- "	8	13	9	1	1	2.2	Intentic self stone			
		10		-1	4:0		4		fiel.	-		30	21	21	20	2		1:	Decompie " with calcrete.			
		10			<u> </u>	40 70		2 t	B	mad var		40	11_	21	11	1		32	Reme Mister			
	698927		C		60 50	30 30	C	78	P.			3 0.	11	18	14	21	型 行	55	2de			
	- 10 1- 1	4-7	V		20	26	2.	20	Ç.		v	46	7	18	10	4		40				

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	•	EN	242	EM	-	E	-/	_	38	ļ
ľ	1	EM	CW.	E.	1		ā;		4	i.

AREA/PROSPECT ENDANDA

GEOCHEMICAL SOIL SAMPLING LEDGER

PLAN REFERENCE TAMAS 1:56 ... PHOTO MOSAIC

Page No..... B 0006 D.P.O. No...... GEOLOGIST T. E. M. DATE May 138

ANALYSED BY Z.C.

A \$400	7	1		-															
Grid Co-ordinate	Sample		Soil	Comp	eition			San	npie		Bedroc	k		N	letal Con	tent in pp	pm.		a.
	No.	Rock %	Organic %	Sand %	Silk	Clay %	Soil Horizon	Horist Colours	SCHT. C.P.S.	Geological observations									
Erdunda	698951	10	0	10	7 -		c		Br	=	1	50		11	15	<1		30	Decomp sends silvestone
Soil Line 6	. 2	30	0	10	10	20	C	20	11	_	1	50	8	24	83	41		26	Decomp. sandy sitestone
(Semple but) = 50m	_ 3	10	0	30	40	20	C	20	4	ے	1	60	6	1)	8	<1		30	И
	4	10	0	30	40	20	C	20	*	_	V	60	8	18	13	<1		24	4
5-7N	. 5	0				30		20	4	_	/	80	6	16	13	<1		34	Decomp. arkoze(?)
	6	0				30		20	*	_	/	80	8	13	12	<1		35	Ditto
	7	0	i	7.	,	30		20	7		/	100	6	42	23	<1		34	
-	. 8	0	T	30		30		20	"	_	V	100	8	29	14	1		33	h
	9	0	$\overline{}$	_		30		20	4	_	1	80	6	34	20	<1		34	4
		30	1	!		20		20	4	_	1	80	6	45	29	<1		35	Decons sandy silestone
	698961	0	0	30	40	30	c	20	11	_	V	100	8	21	11	<1		31	Decomp. sandy silestone Ditto
			<u> </u>	<u> </u>										<u> </u>					
1	-			<u> </u>	-	-				 	_			<u> </u>					
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Page No.....

TENEMENT	E.L. 3		0.0000			* * :	<u></u>		* -	l sa	PLIN	G LED	GEN			No. BOOD BOOK May 178			
PLAN REFER													***************************************			Vanas Vanas ras			SED BY Z.C.
Grid			Soil (Compa	sition			San	nple		Se droc	k		M	etal Cont	ent in pp	m.		
Co-ordinate	Sample No.	Rock %	Organic %	Sand %	8 H &	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	ð	Ag		SciNT.	Geological observations
EUDUNPA	698939	0	5	0	65	30		20	2	-	1	60	21	42	17	41		24	Decomo giltitone (?)
SOIL LINE 8	198440	10	5	0	60	25	U	20	8-	-	1	60	21	42	15	41		23	Decemo 5 18 store
ETV	941	10	0	20	40	30	نان	20	Br	•	V	60	21	45	19	41		72	tally "
Somple beared	auz	0	0	0	70	30	C	20	1		1	60	19	45	18	41		25	* often
r 50	943	80	0	10	10	0	C	80	Combo	1			21	39	14	1		2.2	Decomp sand silectione (by diam.)
	944	30	0	10	10	0	C	40	Grav	1		-	17	57	20	41		26	Diff
	9 45	20	5	10	40	2.5	C	20	Br	_	1	60	17	34	15.	1		33	Dearing Station + Coloredo
	746	20	5	10	40	25	c	20	8-		1	60	34	50	17	41	,	26	200
	947	20	5	110	40	25	6	20	8-	<u> -</u>	1	60	41	50	17	1	٠	28	R
	948	10	0	a	60	30	عا	20	gr-	_	1	60	28	39	14	1		26	Deany silestone & calcrete
	949	10	0	0	60	30	C	20	3-	_	1	60	17	47	14	<1		27	Vitte
	678950	10	C	0	60	30	c	20	3,-		<u> </u>	60	12	57	14	4		28	
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									2,		$[\]$				2.5° \$		4 64	area.	
		5 91. 12								Ŀ				, s	3		100	1	%c
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			1.,							135					1.				
			ι,	12	1				18.37	1.2	1.		4						
	X 4-0 3									÷	Į,Š.		***		7.6				

TENEMENT	EL3	81	*******		*******	**********		(GEOC	HEM	ICAL	. SO I	L SAA	APLIN		D.P.O. No.* B0006			
AREA/PROSP					*********		S	AMPLI	E Nos.							-4			GIST TE H DATE Hay 78
PLAN REFER														************		••••			SED BY Z.C.
Grid			Soil (Compo	sition			San	nple		ledroci	,		M	etal Cont	tent in pp			
Ce-ordinate	Sample No.	Rock %	Organic %	% pues	Sik %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con. cealed	Est. Depth to	Pb	Zn	Cu	Ag		C.P.S.	Geological observations
LHOUNDA	698962	0	0	20	50	30	C	20	Br	1	1	80	8	18	7	. <1		20	Desembly sandy sides time.
Soil live 9	763	10	0	20		30		20	Br	ı	1	80	8	ij	7	41		2.2	Dillo.
5-7 N	964	10	0	20	50	20	C	20	Br	1	1	90	15	21	10	<1		27	n
Samela Internal	765	10	0	10	50	30	٢	20	Br	1	1	80	15	26	12	~1		28	l,
= 5cm	966	0	0	30	40	30	U	20	8.	+	1	80	9	16	7	<1		22	n
	967	0	0	30		30		20	Br	1	✓	80	10	18	8	21		34	1)
	968	0	Ö	20		30	C	20	Br	ì	1	80	25	32	23	41		25	4
. "	698969	0	0	30		30	6	20	Br	_	1	ÉO	17	20	10		3	21	4
	648970	0	O	10	l .	40	c	20	Br	-	1	100	_	16	11	∠ 1		24	Decomo silestone
· .	771	0	0	0	70	30	6	2.0	Br		1	100	23	23	11	21		19	Ditte
	472	0	0	20	50	30	C	20	Br	_	1	100	13	16	8	LI		17	Theony a skore ?
	77 3 .	0	0	10	50	40	C	20	20	-	1	80	23	37	19.	1		25	" sile store
	774	0	0	10	50	40	C		Г	_	1	70	17.	18	9	4		2/	Ditto
A Carlotte	935	0	8	10	50	30	7	1	8-	_	1	70	10_	25	14	41:		25	
	976	0	0	20	50	30	c	20	p	_	1	70	10	28	10	41.		23	Decomp contractions
	3 477	0				3.0	c	20	B	+	1	77	37	60	25	21		ZO	74
	979	0	1		70				B		1	50	13	27	11	21		19	Decomposition ?
	779		_	20	1	30		2,		-	1	20	13	16	8	<1]4	
	448 980		1		1	30	1.3.3	12.		_	1	189		25	1	c)		1.	AND DESCRIPTION AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE
	5 (98.4)		1			*•					1	100		37-	15	CI.		16	
	14902		_	_				71			7			29				20	

NEMENT	E.L.3	81			PA-10-10-10-10-10-10-10-10-10-10-10-10-10-	, 10,	••••				•		L SAN	PLIN	S LED	GER		D.P.O.	30 Boob Page No.
	ENCE SI						S/	MPLE	Nos.										OGIST TEN DATE May 18
Grid -ordinate	Sample No.	ck %	Soil C	ornpo	ution 28	× ×	ii xiron	Sem Hid W	ple ins	uterop	edroci	€ t	Pb	Zn	cu Cu	Ag	m.	SCINT.	Geological observations
	618983	8	۲	8	50	<u>ਹੈ</u> ″5	T S	20	ě	ō	38	100	17	32	16	1		2.	Percomp sitestano (3)
PUNDA		20	6		40		6	20	Fac		1/	80	15	57	17	1		26	+ sande . It
ent ?	984	- A-V	0			30.	c	20	5-	-	V	20	2.	37	14	21		21.	Ditte.
<u> </u>	786	8	0		_	30	C	20	3-		1	100	8	16	8	41		25	v v
	981		-	20	50			20	30		V	100	16	30	10	1		22	v
	985	0	0	20	50		2	20	Br	-	1	100	20	32	23	1		24	A
	951	0	5	10	55		c	20	Br	ļ 	V	100	23	68	22	1		23	n ·
	698 990	0	12	0	60	40	4	20	Br	-	/	100	15	22	11	1	-	22	Decomp silt-time (2)
	991	0	0	0	60	40	C	20	Br	-	/_	100	20	36	10	1		25	Ditte
	992	0	0	10	40	50	c	20	Br		<u>//</u>	100	25	36	16	1.		17	n
·	192	0	0	10	70	20	-	2.0	2-	-	1	100	13	17	7	1	· ·	27	4
	994	0	0	10	60	30	C	20	Br		1	1000	13	15	6 #	1		22	y
	445	0	0	10	60	70	6	20	Br	-	1	100-	20	25	32			20	
	776	0	0	20	60	20	c	20	Br	-	1	100		17	8	1	ļ	18	
	717	20		20	40	10	6	20	Br	7	1	60	10	33	14	12/	10.00	22	
	112	17.	4 1.0	-		144	4	20	4		1	14	10	.23	10	SI.		20	그는 얼마 그는 불편하다면 뭐이다 요하죠. 이 회원 하스 그 것이
	122791	2				40	4	3.	1	=	1	80	13	1	15	14		13/	Description Start
	Mile														1/4		•	17	Barrier Harris
		12	Įe.	10	40	1	6	11	4	=	¥	10	14.	27	14.	113		20	D To
"Arr"				14	10	1		20			1	Ke	172	M.		14		35	
		7				120		1	No.		16		116	34	LIL.	LEL	1	140	

REA/PROSPI AN REFERI	ECT. ENDW.							MPLE	Nos.	٠.	:	~		**************************************			•	GEOLOGIST TEN DATE May 18		
9006			0.00			_	7	Sam			edrock	Т		Me	tal Cont	ent in pp	m,			
Grid o-ordinate	Sample No.	Rock %	Soil C	Se Se	ition	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	p	Est. Depth to	Pb	Zn	Çu	Ag		Seint C.P.S.	Geological observations	
	700464	ř 10	ŏ	20	50	20	∓ق	20	Br	-	0 B /	45	8	24	11	Z 1		20	Do cany sande gilt store.	
ATHUEN	405	0	0	20	70	10	د	20	Br		1	40	8	14	8	41		28	Ditte	
ce LINE 9	405	0		20	60	20	2	20	Br	_	1	40	4	14	7	< 1		19		
*** /	407	0	G	20		30	ے	20	*	35	/	60	8	15	7	41		24	b	
· ·	408	0	0	20	50	30	6	20	Br	_	1	60	23	22	11	1		24	li.	
	407	0	0	20	50	70	6	20	Br	ļ	Ś	60	15	18	9	<1_		22		
	700410	0	0	20	50	30	c	20	B	+	✓	60	15	18	9			21	4	
	411	0	0	Ö	50	40	C	20	Br	i	j	50	20	31	14	1.	ļ	24	Dezero Silestore?	
	4/2	C	0	20	40	40	6	20	Br	_	/	50	10	22	11	21		23	11 sandy "	
201 1 V.	413	0	0	0	70	30	/	20	Br	_	_	50	10	12	8	<u> </u>		22	Perop sitestone	
	414	0	0	10	60	30	<u>c</u>	20	3-		1	80	13.	16	9	41		24	Ho	
	415	10	0	10	50	30	C	20	Br	-	<u> </u>	60	13	17	8	41	ļ	20		
9	416	0	0	0	70	30	6	2.	7000	-	1	60	13	15	9	121	ļ	22		
	417	0	e	10	60	30	2	20	3	-	1	10	13	17	9	41	<u> </u>	23		
7	415	C	0	0	70.	30	6	70	n	-	-	80	13	25	7	4_		20		
	. 47	_	0	0	70	1-6-	6	20	12		1	50	17	1	19		} ~-	/ 19/		
	700420	0	C	0	60	40	1	20	£.	_	1	60	20	12	23		*	22		
	. 44	2.	10	0	50	10	14	10	**	1	1	40	<u>33.</u>		26			22		
	122	Q	+	•	60					۴.	1	11	20	Marie II. viv	14	14		25		
	709424		10		70		15	-		24	1		20	34	173	::</td <td>1</td> <td>14</td> <td></td>	1	14		

TENEMENT	E.L.	38 unl	<u> </u>				~- S/	G	No.				No. BOOD Page No.							
LAN REFER	ENCE RIV	ER /C	M		5000	0	***********										•••	ANAL'	YSED BY Z.C	
Grid Co-ordinate	Sample No.	Rock %	Soil (oil Composition		* *	it rtzon	Sem	ple	жор	edroc	<u>و</u>	h	Zn	etal Cons	ent in po	m	Sent.	Geological observations	
L DUN N A	700 425	0 8	Ö		60	5	2 ¥	20	Br	tuo 1	\$ 8	80	20	44	23	1		24	Decomp silestone	
Soil Line 9	426		0	1	50		c		Br	-	1	50	8	47	15)		21	Datta	
Carti	427		0	0		42	C		2		/	50	20	50	23	1.		21	2 2 M	
3		20	0	c	50		C	20	20	_	./	40	15	66	22	41		25	<i>N</i>	
ļ.	429	0	0	0	70		c	20	, n	-	1	50	15	42	17	41		28	þ.	
	700 430		0	0	50	40	C	20	þ	1	\	25	23	44	18	1		25	"	
	431	0	0	0	10	30	٢	20	. #		V	40	13	28	18	1		20		
	432	0	0	0	60	40	6	20	. 🌪	ł	1	30	13	2.3	11	4	.5.3	22		
	700 433	0	0	0	70	30	c	20	11		1	30	13	26	12	<1	L	24	,	
		<u> </u>	1_	<u> </u>	<u> </u>							ļ								
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40			<u> </u>			77.									a ·					
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PLAN REFER															40.0				WALYSED BY			
ASSIG				*******	**********					•		•		-								
Grid Co-ordinate	Sample		Soil	Compo	sition			Sample		Bedrock				M	etal-Con	tent in p	om.	SCINT				
· · · · · · · · · · · · · · · · · · ·	Nö.	Rock %	Organic 9	% pues	Silt &	Clay %	Soil Horizon	Depth cfn.	Colour	Outcrep	CO.S.	Est. Depth to	Pb	Zn	Cu	Ag		C.P.S.	Geological abservations			
EVENNOA	700434	0	0	0	70	30	c.	20	Br	-	1	100	13	26	11	1		24	Decorp. silestore ??			
SOIL LINE 10	435	•	0	0	70	30	C	20	l .		1	100	13	26	12	1		30	Texton			
E+W	436	0	e	0	70	30	C.	20	0	-	1	100	13	31	19	4	51	25	, n			
french list.	437	0	0	6	70	T -	C.	20	11.	1	1	80	12	24	8	1		23	*			
50	438	0	0	10	60	70	0	20	"			70	7	21	3	1	1	19	4			
	434	0	0	9	70	Τ		2.0	~		\checkmark	70	11	19	6	21		19				
	70 04:40	0	6	0	70	30	6	20	t:	-	1	60	8	16	5.	41		21	•			
and the second second	44;	20	2 0	0	be	20	6	20	10	-	V	45	11	36	14	21		23	Decomp. sillstone			
	442	0	0	C	70	30	<i>c.</i>	7.0	/1	-	1	40	8	2/	8	<1		22	Ditte			
	443	20	0	10	50	20	2	20	11	-	V	30	8	18	5	41	<u> </u>	20	Descorp gamby silvering			
	444	20	0	0	ូខ	20	6	20	íí	-	V	30	H	24	9	<1		23	Percey silestore			
	445	0	0	0	70	30	0	2.0	11	-	1	50	7	18	5.	4		26	2.5			
	لبلال	0	0	0	70	30	C	20	77		1	60	Ш	16	6	1		25				
	447	0	0	0	70	30	6	20	.,		1	60	12	24	8	4	4-	24				

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AREA/PROS	APROSPECT EURURA SAMPLE NOR SAMPL															D.P.O. No. 34 B 0006 GEOLOGIST TEM, DATE 11 78 ANALYSED BY Z. C.			
Grid			Soil (Compo	sition			San	npie		Sedroc	k		M	stal Con	tent in pp	om.	•	
Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Eir X	Clay %	Soit Horizon	Depath cm.	Colour	Outcrop	Cost	Est. Ospeh to	. Pb	Zn	Cu	Ag		STINT C.R.S.	Geological observations
Cunual n A	700455	0	c	c	70	30	0	20	3,	-	1	60	6	16	6	<1		13	Decomp silestone
OIL LINE 10	700456	0		2	70	30	C	20	â	į	1	40	8	19	6	4		20	
Cont										·			,						
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A 3006																			
Grid	Samala		Soil (Compa	eition			Sam	ple		Sedrac	k		M	etal Cont	ent in pp	om.		
Co-ordinate	Sample No.	Rock %	Organic %	Send %	Bitt %	Clay %	S oil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag		50,00	Geological observations
EUDWADA	700457	0	0	0	70	30	۷	20	Br	1	1.	50	11	39	12	21		24	Decomo silestana
SOIL LINE!	45\$	Û	0	v	70	30	1.)	20	Br	1	1	50	13	26	10	41		26	Della
W→É	450	0	0	0	80	20	6	20	Pa-		1	80	13	26	10	21		23	p.
Same (me)	700 440	0	0	0	70	30	C	20	Br		V	80	15	34	/2	41		22.	//
= 60m/	461	10	0	0	60	36	6	20	Born	_	/	70	15	38	12	21		24	٨
	487	20	0	0	60	20	6	20	Br		1	70	15	29	12	21		27	η
ta .	463	10	0	0	80	30	0	20	Pin	<u> </u>	V	70	13	21	8	<1		20	It .
	464	0	0	0	70	30	C	20	Br		<u> </u>	70	11	47	12	41		2.6	h.
	465	20	0	0	60	20	C	20	Br	-	/	60	8	34	7	1		23	h
1 1	466	70	0	0	50	26	C	20	11	-	1	30	6	3/	7	1.		26	Ħ
	467	20	0	0	60	20	C		lvr. Ör	_	V.	50	13	42	13.	1	 	24	4
	449	5	O	0	65	30	E	20	Br	-	/_	60	11	29	8	1	100	27	1
	469	10	1	2	60	30	<u>C</u>	20	3	-	1	60	8	26	6	1		20	#
	700 470	0	0		70	30	C	20	3-	-	1	10	19	50	13	1_		24	
		0	C	0	70	30	C	20		*	4	70	15	36	13.	<u> </u>	100 pr 1/2 i	23.	
	471		2		Se	20	٤	20	Q.	-0.2	\angle	10	17.	36	13			25	
	473	2.0	0	0	60	20	4	20	7	-	1	47	21	34	11*	2		23	
	474	20	10	0	60	20	٤,	20	R.	-	1	110	121	36	14	2		11	
] -			18.7									Tree:		4 - 4-0		
						<u> </u>			100 S						14-4			4.	
		*	1					r	- 1	V		1		1	17	1-1-2	0		

DP.O 0.56 80006 PONNO TENEMENT EL 381 GEOCHEMICAL SOIL SAMPLING LEDGER GEOLOGIST TE M DATE May 70 AREA/PROSPECT EUDHIJA SAMPLE NOL PLAN REFERENCE EUDHNDA 1:50 000 ANALYSED BY Z.C. Soil Composition Bedrock Sample Metal Content in ppm. Grid Co-ordinate Sample SCINT Geological observations Soil Horizo Depth Zn Αq C.P.5 Decomp sitisten + colerate C 20 8 2 0 60 20 EUDUNIA 700475 2 476 60 20 E +W 30 20 - 50 m 30 41 30 700480 0 0 60 30 39 492 0 50 20 C 20 50 20 € 20 20 0 70 23 50 41 70 34

LAN REFER	RENCE 54													er edau arol e	***********				OGIST TEM, DATE May "
Grid			Soil	Compo	sition			Sar	nole	1	Bedroc	k	3:	M	etal Con	tent in p	priv.		
Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Ospth to	Pb	Zn	Cu	A		Scintt, E.P.S.	Geological observations
Tudunda	700483	20	0	0	60	20	C	20	8	-	V	50	13	54	15	راء		32	Decomo silestone
Filline 13	9	20	0	0	60	20	C	20	Gr-Br	-	J	10	/2	57	1	حا		36	Ditte
-+V	700410		0	0	70	30	C	20	Br		1	30	5	31	7	<1		30	
remple hit .	1	0	0	0	70	10	C	20	11	_	1	50	Ĥ	34	10	<u> </u>		2.8	
= 50m	2	30	0	0	50	20	C	10	Gr. fr	V	-	٠.:	6	50	10	<1		34	Decomp. & wtherd silestone
	3	30	5	0.	45	20	C	10	A	1	1	15	6	50	/3	41.		30	Decomp & willed siles tone
	4	50	0	0	30	20	C	10	. "	4	1	15	11.	36	10	<1		3/	Ditto
	5	20	0	0	60	.21	C	15	Br	-	1	20	it	39	7	<1		30	,
	6	30	0	0	50	20	C	20	Golfo	-		30	8	54	14	<1		29	п
· • · · · · · · · · · · · · · · · · · ·	7	30	0	0	+	20	E	20	Br	-	1	30	8	34	8	<1		30	1
	8	20	0	6	60	20	C	20	W	,	1.	Fo	10	34	14	</td <td>1</td> <td>32</td> <td>Decomp silestone</td>	1	32	Decomp silestone
	9	20	0	0	10	20	C	20		<u> </u>	1	10	11	36	17 3	11		79	Dot
<u>بر نے دائے :</u>	700500	0	0	0	70	30	C	20	1		1	50	8	29	8			32	
	74050	40	0	0	40	20	C	20		-	1	30	13	39	13	11		28	What & decomp sikets
				<u> </u>				÷,			1								
	War to			1	-					1									
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		3							3.0					F. 5.					
		1			1			T	1		1. *	100	1953	传动。	K A	143	中蒙古	12/5	

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	RENCE			• -	-	***********	and the same	alian san		**************	**************************************	jod paravaga Pad adventure	***************************************	******************************	***************************************	****************			LYSED BY Z. C
Grid Co-acdinate	Sample		Soil	Comp	position			Sa	imple	1.	Bedroc	ek	4,500		Metal Cor	ntent in p	om,		
	No.	Rock %	Organic %	Sand %	Sile %	Cley %	Soil Horizon	Depth cm.	Colour	Outerop	Con-	Est. Depth to	Pb	Zn	Cu	A		SCINT C.P.S.	Geological abservations
UDUNDA	700502	0	0	0	70	30		20	1	_	1	50		29	9	+,	1 1 1 1	22	
Suis Line 14		+	0	0	70	30	C	20	ŝr	-	1			31	9	121	_	26	Ditto
E->W	50m	+	0	0	70	30	5	20	Br		/	50	17	34	10	4		22	200
Sample literal)	505	0	0	0	70	30	C	20	2	-	V	40		39	//	21		36	
-50 m	506	 	0	0	70	30	c	20	Br	'	1	50	13	24	10	4		25	h.
	557	1	 •	0		30		2.0	,,		1	60	13	26	10	<1.		18	<i>p</i>
	508		0	0	70	3c	۲	2.0	1	<u> </u>	V	80	13	26	1/_	21 "	4	28	
	700509	0	0	0	70	70	c	20	Br		1	100	13	21	10	4	5	26	
	** 1 · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>	<u> </u>				1					'					
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								21								1.34			

REA/PROS	PECT	HNDA		*********	*********	*********		SAMPI	E Nos	• •••••	•	*******		MPLI				D.P.O GEOL	39 - 80006 Page No
AN REFE	RENCE	ERT	?.к	1:56	7 00	0										*********	•••••	ANAL	YSED BY Z.C.
Grid ordinate	Sample	ļ.	Soil	Comp	sition			Sa	mple		Bedro	ek.		,	Aetal-Cor	ntent in p	pm,		
	No.	Rock %	Organic 9	Sand %	Silt %	Clay &	Soil Horizon	Depth Cm.	Colour	Outcrop	Con.	Est. Depth to	Pb	Zn	Cu	Ag		Selver C.P.S.	Geological abservations
PUNDA	7005:0	0	0	0	70	30	_		a	-	1	40	15	29	11	<1	† –	27	
LINE 15	511	0	0	0	60	40	c	20	Br		1	50	15	31	11	<1	1	25	Ditto
- 	512	20	0	0	60	20	c	2.0	80	_	1	40	15	47	14	<1		25	7
Glut.	5/3	0	0	0	70	30	c	20	8,		1	50	12	36	12	<1	1	23	
50m	514	0	0	0	70	30	0	20	Br	Ŀ	1	60	12	31	10	<1		21	
	5/5	0	0	0	60	40	6	30	8-		/	70	11	29	10	<1		24	37
	516	0	0	0	70	30	C	20	B,	_	V	70	19	34	13.	<1		25	"
	700517	0	0	0	70	30	C.	70	8-	-	1	70	11	24	9	<1		20	y
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TENEMENT EL 381 0400 No B 0006 Page No. GEOCHEMICAL SOIL SAMPLING LEDGER SAMPLE Nos. AREA/PROSPECT EMPLEMENT GEOLOGIST TEM DATE May 1/8
ANALYSED BY Z.C. PLAN REFERENCE ENDENDE 1:50 000 ANALYSED BY Z.C. Grid Soil Composition **Bedrock** Metal Content in ppm. Co-ordinate Sample No. SCINT Geological observations Żń C.P.S. ENDUNDA 0 0 70 20 Br 36 28 Son Link 16 Br C 20 42 21 ENW 700 520 20 41 23 2.0 41 21 - 50 m 50 50 20 26 34 20 700524 0 0 0 70 30 22

ret.

Page No... TENEMENT EL 381 GEOCHEMICAL SOIL SAMPLING LEDGER 1140 No. B 2006 AREA/PROSPECT END MIZA SAMPLE Nos. GEOLOGIST E. C. DATE /73 PLAN REFERENCE ENDUNDA 1 50 000 AMALYMED BY Z.C. Grid Soil Composition Sample **Bedrock** Metel Content in ppm. Co-ordinate Sample No. SCIN Zn 700525 EKONNON 50 12 Soil LINE 17 526 13 E->W 527 42 12 Berry rilestone Copping roadisk quem Somete hat. 528 12 20 47 Date + calende .. 50 m 529 700530 30 700531 50 Br 20

TENEMENT E.L. 381 GEOCHEMICAL SOIL SAMPLING LEDGER D.P.O. No 15 0006 AREAPHOSPECT EUDUNDA SAMPLE NOL GEOLOGIST TE P. DATE Men 78 PLAN REFERENCE ENDINDA 1: 50 000 ANALYSED BY Grid Soil Composition Sample Bedrock Metal Content in ppm. Co-ordinate Semple STANK No. Geological observations C.7.5. 700532 41 Edbur 10 30 De como silestone & calerate SOIL LINE 18 Decomp. sile stone モナツ 41 15. " + calcrate 536 41 Decama silestone 70 = 50m 36 4 Ö 30 25 34 41 700534 0 60 40 6/20 20

TENEMENT E. 381

GEOCHEMICAL SOIL SAMPLING LEDGER

D.P.O. No. BDOOG

AREA/PROSPECT. EXDUALDA

SAMPLE NO.

GEOLOGIST TE.M. DATE May 28

ANALYSED BY Z. C.

Grid Co-ordinate	Sample		Soit	Comp	osition			Sar	nple		Bedro	ck		М	etal Çon	tent in p	om.		
	No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pla	Zn	Cu	Ag		SCINT.	Geological abservations
EUDUNDA	700540	0	5	0	65	30	C	2.0	Br	-	1	50	17	42	17	21		38	De cong sile stone.
Son LINE 19	541	0	0	0	50	50	C	20	Br	-	V	50	19	47	14	1		24	Ditte
E-+W	542	0	0	0	60	40	6	20	Br		1	60	14	36	1.2	~ ~1	er ac	23	the to the second
Tout let	543	0	0	0	7.0	30	C	20	Br	_	1	60	12	24	10	4		27	11
= 50 m	544	0	5	0	65	30	C	20	8.	-	1	60	17	29	11	</td <td></td> <td>26</td> <td>1</td>		26	1
	545	0	0	0	80	20	C	20	B	_	1	60	15	24	10	4		23	t.
	546	6	0	0	70	30	C	20	pr.	-	1	70	12	19	7	<1		23	ş.
	547	0	0	C	80	20	C	20	**	_	1	20	15	23	8	<1	7	23	br .
	548	10	0	10	60	20	S	2.0	É.	-	1	80	23	24	8	4		22	Beons. Sendy a lestone
	549	0	0	0	70	30	Ų	20	Br	-	J	80	13	26	10	<1		20	The energy deletions
	700550	0	0	0	70	30	C	20	Br-	-	1	80	13	21	8	<1		21	h and Promoter and
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TENEMENT G 1 381	GEOCHEMICAL SOIL SAMPLING LEDGER	044 Page No.
AREA/PROSPECT ENDUMPA	SAMPLE Nos	U.P.U. 190
PLAN REFERENCE ENDUNDA 1:50.000		GEOLOGIST TEM DATE May 78
Grid Sample Soil Composition	Sample Sestrock Mary Consumer	ANALYSED BY

Grid Co-ordinate	Sample No.	-	18	1	position	''	4	350	Mple	<u> </u>	Bodro	ck		1	Metal Co	ntent in p	ipm,		
		Rock &	Organic	Sand %	Silt &	Clay %	Soil	Depth Cin.	Celour	Outcrop	60.	Est.	Pb	Zn	Cu	Ag		SCINT.	Geological observations
EUDWADA	700551	0	0	0	70	30				+	100	1-		m	1=	-	+	C.7.S.	
SOIL LINE 20	552	0			7	20	T-			-	 _	50		50	17	21	ļ	35	Decong sillatione
E-W	553	10	Γ	_	60		1	2.	Br		1.	50		60	12	41	 	27	Ditto
Sample hit		30	 	0	CO	20	1 - 1		- 1		1	50	_	104	19	</td <td><u> </u></td> <td>22</td> <td>" + calerate</td>	<u> </u>	22	" + calerate
= 50m	555	0	0	0		30	Γ	_	8-		/	30	17	72	14	149/		36	11 11
	554	0	T	0	70			20	B	*-	4	40	19	107	17	4	<u> </u>	30	Decomo silestone
	557		 		70	30		20	Br	-	/	50	12	57	11.	41		29	Ditto
	558	20		0	50	25	<u> </u>		3-		1	50	13	50	23	21		28	1
170	559			0	55	30	[1	20	Br	,,,,	<u>v</u>	50	15	54	14	41	1	24	
	700560	0	0	0	70	30	5	20	8		1	50	8	34	10	<1		20	- + colerate
	700561	0	_	0	70		드	20		-	V	60	12	45	13	<1		28	Decomp siltatore
	(80 36)	6	0	0	70	30	6	20	/-	_	1	70	15	50	15	<1		26	Ditta
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TENEMENT.	E-L SPECT EUR				********		interesses				** ** *	•	7-	WPLIN	IG LE	DGER	()2	45 o.p.o.	1006 1000
PLAN REFER	RENCE E. M.				50 01	<u>Oe</u>		SAMPL	.E Nos		**********	paparenting	traspirantas,	***************************************	***************************************	***************************************	44.2 3.4 2.5 3.4 2.5 3.4	GEOL	LOGIST TEM DATE May 78
Grid Co-ordinate	Sample		1		position	1	- 44	Sa	mple		Bedra	rsk .		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Metal Cor	ntent in pe	om.		
	No.	Rock %	Organic 9	Sand %	Silt %			Depth Cm.		Outcrop	Cos.	Est. Depth to	Ply	2n	Cu	Ag		SCINT.	Geological observations
1	700562	0	 		70		1	20	+		1	70		31	13	1		23	Derny sittstone
Seir Linell Noimes		0		T -	 ~ ~		_		1	1=	1	70	 	39	13	<1		20	Ditte
Number SE	564 565	20		1-			C	1		<u> = '</u>	1	70	6	42	12	٨	, , , , , , , , , , , , , , , , , , ,	23	4
50 /NE	565 566	10	1			20		20		1	1	40	5	69	41	<1		24	Decom k with I siltstone.
	· ·	20				20		20	Br	1	1	50	15	63	/9	<1		25	Decomp ile store + calerele
	568	0	0	1		1	1	20	Dr.		-	50	1/	57	13	<	-		Derong & will distille e
	569	0	0		70	30	c	20		1-	1	70	/2	47	17	<1 <1	<u> </u>	2/	De como silestana.
	700570	0	C	0	70	30	c	20	٠	=	1	70	15	50	Fil	21	لنفت	30	Dit
	571	10	0	6	70	30	c	20	1,	-	V	70	1	42	12	<1		21	
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AREA/PROS	SPECT EU	400/1901		**********	10772720000	************	*******						AR JIC	MPLIN	IG LEI	DGER	(14	D.P.O.	No. BOOO Page No.
PLAN REFE	ERENCE	T.			5.6.0.	00		•••••	empie		Bedro	•••••		***************************************			*1***	ANAL	LYSED BY Z. C.
	Semple No.	Flock %	0.0	Sand %	* 13	Cley %	Soul Horizon	Oepth Cm.	T	Outcrop		Est. Depth to	Ръ	Zn	Gu	Ag	pm.	Seint.	Geological observations
Eudunga Soil Line 22	700572	0		0	70			20	T	F	\(\sigma\)	- } * * - 		24	8	<1		27	Decome silvotore
E -> U	573 574	0			70				_	1	1	60	5	18	7	4	 	21	Ditto.
ande let	575	_	20	_			+		6.2	-	1	50	6	21	15	4	-	28	Decome sounds sitestone
= 50,	576	0		0		30	1-	70	_		1	60	8	24	9	<1 <1	 	20	Berny & will silestone
	577	0	\rightarrow	0	70	30	c	20	,,	E	1	70	11	29	10	41	 	22	De comp sitt of tone.
***	578	0		 	70	1 1		20	.,	<u> - '</u>		70	9	26	7	21		24	r
	579 700580	0	0	 -	70			2 :=	1	<u> </u> -'	/	70		29	7	<1	- <u>1</u>	27	lt
	581	0	٦.		70		╆╼┪	20	 	-	1	70	13	45	9	<1	 	26	11
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PLAN REFER	RENCE TRA	,						······································	-				***************************************	4			Your Alle		WED W 2 &
Grid Co-ordinate	Sample No.	Rock %	Organic &	Compo	sition %	Clay &	Soil Horizon	Depth cm.	ofour side	Outerop	Sedroo S S	Est.	Pb	Zn	Cu	Ag	m.	SENT.	Geological observations
POWER	700592	0	0	0				20	B	-	1	60	6	21	9	<1		30	Descrip Silestone
L. NE 23	533	20	0	0	60	20	e	20	Br		1	60	5	18	18	4		28	Ditto
E->V	584	0	0	0	60	40	c	20	Br		1	60	12	36	18	<1		27	是1660年的基本的基本的基本。1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566年,1566
emple let	585	0	0	0	70	1-	T	20	"	<u> </u>	/	60	6	21	13	<u> </u>		27	
50 _a .	584	10	0	0	60	30	5	20	*	<u> =</u>	v	60	5	21	10	4		24	the second secon
	<u>587</u>	10	0	0	60	30		20	11	Į÷.	1	50	8	26	12	<1		27	
	588	0	-	1	70	1		2.0	**	-	1	70	10	31	19	</td <td><u> </u></td> <td>28</td> <td><u> </u></td>	<u> </u>	28	<u> </u>
<u>.</u> `	589	Γ	_	+	60			20	17	-	1	30	# :	23	7	<1		25	
	700590	$\overline{}$				20	$\overline{}$	20	**	-	×.	60	6	13	5	21	-	27	Broom arkone
· ·	700591	5	C	C	70	2.0	=	20	**	-	<u> </u>	60	8	29	7.	4	1	29	Decembriles tone
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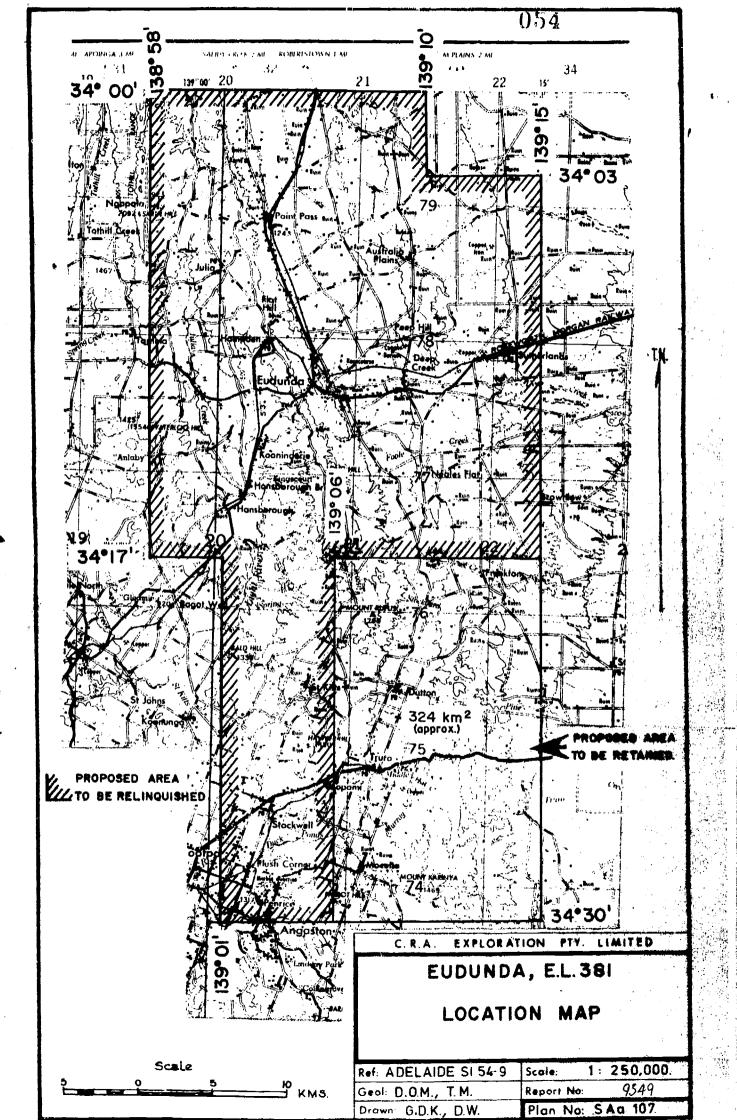
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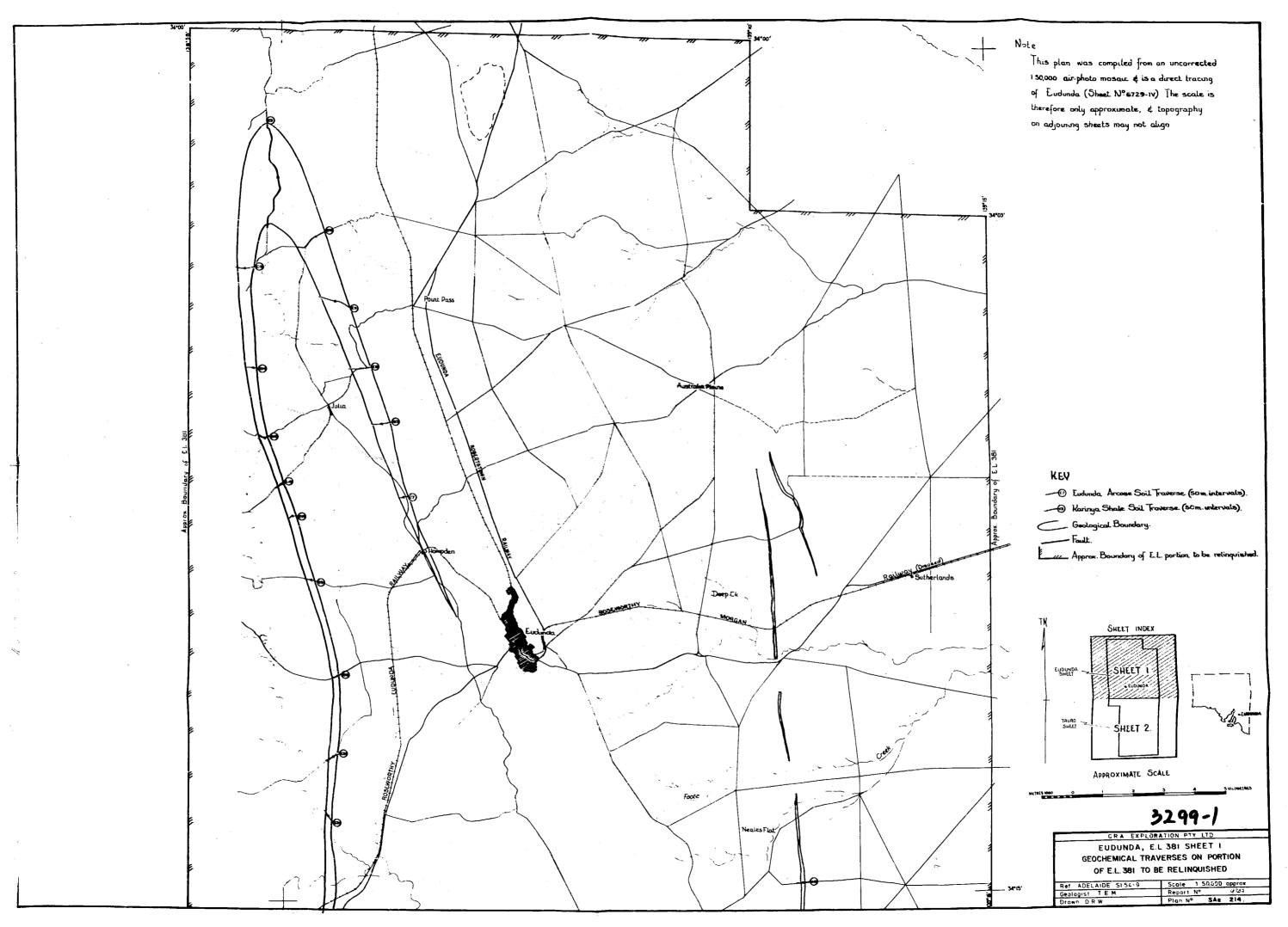
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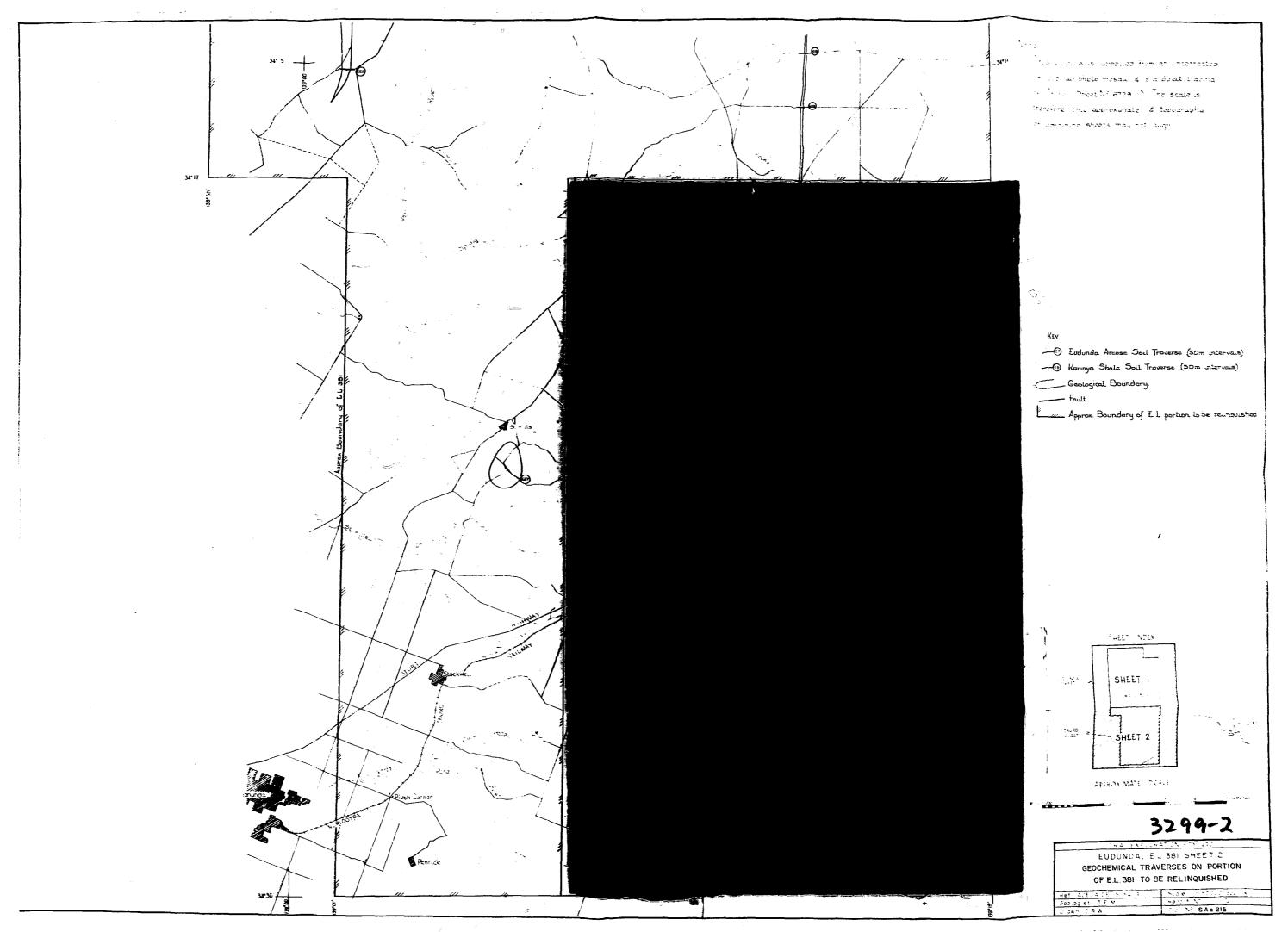
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R.A. EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

COLLINS STREET, MELBOURNE, AUSTRALIA 3001

TELEPHONE: 63 949.

TELEGRAMS: "CONF

055

30th August, 1978.

he Director of Mines,

0. Box 151,

ASTWOOD, 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
Assa ying	2,251
General Overheads	1,815
	\$8,805

SAF:jm

Encl.

RECEIVED
4 SEP 1978

DEPT. OF MINES
AND ENERGY
SECURITY

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Yours faithfully

J. Collier General Manage

7pm

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C.R.A. EXPLORATION PTY. LIMITED

FOR QUARTER ENDING 25/7/78

AUTHOR:

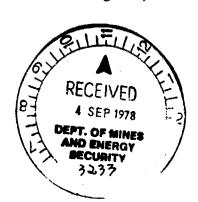
D.O. MASON & T.E. MAYER

SUBMITTED TO:

D.O. MASON

DATE:

15th August, 1978



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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. 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 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 $\rm km^2$ 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:

- 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. ency 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 Fb, 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. I 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 crip 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

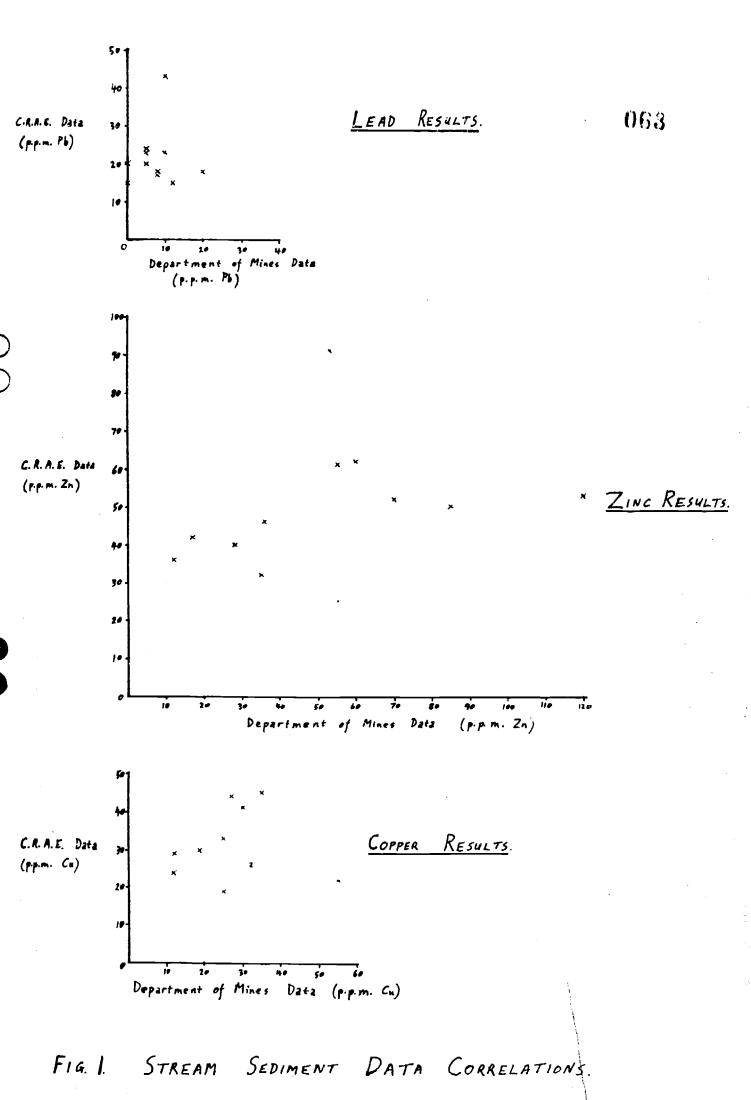
An orientation stream sediment survey was conducted north of Dutton for the purposes of size fraction analysis and correlation with Department of Mines stream sediment data. Seven streams were sampled, with four samples being taken from each stream. Each sample consisted of stream sediments taken from 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.

& O. Maran

D.O. MASON



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.

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	772 698773		5	10		30	<u>()</u>	20	8		√	30	6	5	18	<1	15	34	Ditto
	w 10 7 15	1>	2	ſÚ	40	30	<u>.</u>	20	8	-	1	30	6	1_7	-1	<	17	22	Ditt

		. :						<u> </u>												
TENEMENT.	E.L.	38	<u> </u>	**********	•••••••		****		GEOC	HEM	IICA	L SO	IL SAN	IPLIN	G LED	GÉR		D.P.O.	No. 116680005 PM	pe No
AREA/PROS										••••••	• • • • • • • • • • • • • • • • • • • •	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*********			•••	GEOL	OGIST TEM DATE	May 78
PLAN REFE	RENCE TRUE	Q!	. 3#.C	92				**********	***********					i.	·		•••	ÁNAL'	OGIST TEM, DATE	
Grid Ce-ordinate	Sample		Soil (Compo	Mition			Sar	npie		Sedroc	k		М	etal Con	ent in pr	m,			
	No.	Rock %	Organic X	% pues	Silt %	Cley %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pto	Zn	Cu	Ag	Ni	Seint.	Geological ober	ervations
Eugenop 1	618774	_	_	20	40	30	c	20	Br	į	1	50	. 7	. 11	7	<1 ·	17	28	Decomp orfer	
(Cont.)	698775	25		•		1			Gr-Br		Ż	50	8	7	u	1	25	30	Della.	
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PLAN REFE	BNCE	rus.	2!	:500	00	***********		***********						** **********************************			•	ANAL	YSED BY Z
Grid Co-ordinate	Sample		Soil	Comp	osition			Sa	nple		Bedroc	k		N	letal Cor	itent in p	pm.		
	No.	Rock 🔏	Organic %	% pues	Silt %	Clay %	Foil Horizon	Depth	Colour	Outcrap	Con-	Est. Depth to	Pb	Zn	Cu	Ag	Ni	Seat.	Geological observations
Eusunpa	698776	20	2	10	40	30°	C		B		1	2001	11	28	19	41	43	34	The consent offer with note basely rock als
RAUSKE 2	777	10	ď	0	40	50	c	20	R-dr	٠.		200	. 14	40	31	1	56	22	Bears allegione
E->W	778	10	?	27	50	4.0	6	20	R. bir		1	2004	10	23	17	<1	33	23	Disto
(58 minimum)	779	30	0	C	30	20	<u></u>	20	Br	-	4	200+	- 11	21	18	<1	37	28	Ditto action and made of
	698780	5	Ü	0	55	40	C		R. br		✓	200+	10	26	20	<1	34	28	Bears abother
	781	10.	0	0	1	30	•	20		<u> </u>	1	500L	12	33	24	<1	42	34	784
	782	10	5	2	55	3C			light Br	-	<u> </u>	2004	12	33	19	<1	45	30	Detta
•	783	5	0	0	55	40	<u>c</u>	20	Br		1	čar:	11	30	19	<1	65	26	n .
	<u>784</u> 785	0	0	0	76	30	C	20	. 2	-		2014	8	25	20	<1	70	22	
	786	10	<u> </u>	0	60	40	<u>C</u>	20	2	-		200+	10	28	19	1	73	24	<i>I</i> .
	787	D	0	0	50	40	C		Br	**	-	200	10	26	19	</td <td>70</td> <td>22</td> <td>11</td>	70	22	11
	788	0	0	-	50	40	· C.	20	8	-	V	2 a pi	10	40 35	25	1	130	20	N .
	789	0	0	75	50 6 1	40	C	20	Br		V	266±	7	26	13	<1	82	26	n
	698790	-	0	10	50		U	20	Pot.		<u> </u>	10G+	11	37	19	<1.	40	28	//
			_	۳		7.0		-	- 10	,	V	K0+	_ 11	7/		-	52	26	* 12.22
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TENEMENT. AREA/PROSI PLAN REFEI A 1998	PECT	DUK	7/1	***************************************	********		S	AMPL	GEOC	XH EA	AICA	L SC	IL SA	MPLIA	IG LEI	DGEA		SEOL	OG BODOS Page No
Grid Co-ordinate	Sample		Soil	Compo	sition			Sar	nple		Bedroc	:k		N	Tatal Cor	ment in p	pm.		
	No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Ръ	Zn	Cu	Ag	N;	Seiner.	Geological observations
Sole Whiteger 2	698791	0	0	10	50	46	<u>c</u>	20	Bar	_	V	100+	14	50	20	<1	48	30	Rican siletall)
RAYERSE 3	792	0	0	C	60	40	C	70	3	-	1	No r	17	59	30	1	45	30	Ditt
E-711	793	0	0	0	60	45	۷	25	Br.	_	~	100%	14.	56	22	<1	43	28	,
D. Jakonsk	794	0	6	0	60	40	<u>c</u>	20	2	-	1	1602	12	79	37	<1	52	32	1,
	795	0	_	0	60	40	C	20	Br	1 g.,	1	100+	42	151	100	1	110	24	4
	796	10	0	0	50	40	2	20	20		1	50	27	290	130	1	130	30	Ditto (Sample of to It Staries
	797	0	6		60	40		20	Br	<u> </u>	1	50	3	40	30	1	73	2.4	,
<u> </u>	798	0	0		60		۲	20		-	/	80	10	50	35	1	110	20	H
	799	_	0						R	-		80	11	64	37	1	160	20	n
	698860	110	0	6	50		6	20	Like	_	1	100	10	50	20	1	110	20	4
	801		P	C		£ 0	Ç	20	H 12	-	V	160	11	67	24	1	140	20	h
···	<u> </u>		0	<u>C</u>	60			20	j 17	·	نگرن	100		59	40	<1	140	20	
	<u>803</u>	1 · ·	0		60			20	te A	-	/	50	8	62	25	1	130	20	" . About and water noch flood was
	804	0	Û	<i>F</i> ?	50	40	6	20	p r	-	V	₫G	9	37	40	<1.	130	20	the state of the state of
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TENEMENT.			1. 5.5	••••			4						IL SAI	ur cin	GLEC	XGER .			NE BOTO 6 Page No.
AREAPROB PLAN REFER A 808	RENCE	A S						AMPL	E Not	•••••						1910 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2	OGIST TEH DATE 18/3/78 YSED BY Z C
Grid Co-ordinate	Semole		Soil (Comp	peition			Sar	npie :		Sedro	:k		, M	etal Con	tent in pr	om.		
	No.	Rock %	Organic M	Send %	Silt %	Clay %	Soil Horizon	Oepth cm.	Colmur	Outcrop	Con- ceeled	Est. Depth to	•	Zn	Cu	Ag	a sagi	CARS	Geological observations
SUDINDA	698889.	10	0	0	50	40	С	10	Br	_	<u>/</u>	80	13	42	2.9	2		40	Decomp silvitare
Seil Travels		100							B-	/		_	11	28	33	1		38	Brown sold file thous.
	forme 891	20	0	10	40	30	C	0	Bir	14	1		22	41	30	3 -		6.	Derona hitto
1-7E	572	10	0	10	50	3.0	c	25	B		V	50	.16	179	25	1		38	Ditta
Sample	893	20	0	0	50	30	c	20	3,-		1	40	31	1910	100	2		36	De come gilestore
interval = 50 m	894	100	_	<u> </u>				Ŀ	Ribe	1	_	-	70	410	470	2		34	Rockchip sample of four state in farming) it is distinction with themes (1 chip four of magnets)
	7895	10	.0	0	50	40	<u> </u>	20	2-	-	V	50	56	103	92	2		п	Decorp silestone
	\$876	100	_		-				Robe	V.	-	-	18	42	24	1		34	Tarria dolomitiesiles true il dig par sm.)
	[877	20	O	0	60	2.0	C	20	8-	-	V	40	50	42	33	<1.		10	Decom. a.F.
. a	899	100				-	1,0		R-Br	/	-	-	15	31	22	<1		40	Farres delenies of lotters
	899	20	G	6	50	20	۷	20	Br	_	1	45	23	39	19	<1		4	Vacama dillo.
	698500	0	0	C	60	4.0	ري	20	4-	-	1	80	17	16:	8	<1		32	Decome site sine
	(90)	100	-					. ``	Red			-	21	250	290	1		38	Femus sileston wib e/c containing some boxon
	702	10	0	1	50		4	20	th-	<u> </u>	<u> </u>	50	12	65	21	<1		"	Desony Williams
	903	20	Ò	0	50	30	6	20		<u> </u>	¥	20	13	24	17	<1		36	Detto
	704	20	0	0	50	30	C	20		_	V	60	19	55	60	1		30	Ditte-
<u> </u>	905		0	6	50	30	C	20			V	60	8	34	22	<1		2.6	Ditte
	695906	20	0	0	50	3 c	C	20	Br		1	30	8	60	. 40	<1		28	<i>"</i>
	X //			-	 									-			·		
	A A									<u> </u>									
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TENEMENT.	<u>.</u>	331	••••••	****			*****		GEOC	HEN	HCA	L SC	IL SAI	MPLIN	G LEC	OGER	07	() D.P.O.	No. B 5006 Page No.
PLAN REFER												***************************************		***********				GEOL	OGIST TELL DATE HE 78
Grid			,	Compo		y .			nple		Dedroc	-]	· · · · · · · · · · · · · · · · · · ·	letal Con	tent in p	om.	ANAL	TSED BY
Ce-ordinate	Sample No.	Pock %	Organic N	% pues	# His	Clay %	Soil Horizen		Colour	Outcrop	Con-	Est. Oepeh to	Ph	Zn	Cu	Ag		SCIFT	Geological observations
EUDUNDA	698907	20	0	10	40	30	c	20	70.6 th		1	40	15	50	15	1		32	Dancons silts time
SOIL THANEACES	?08	20	i	10	40	30	C	20	" ',		1	40	23	42	47	1		28	Dilla with a cold of help fragments
V->E	959	30	0	15	40	2.0	C	20	Br	<u>-</u>	V	40	6	16	17	<1		32	A De la Company
(Som internal)	645910	20	0	10	110	36	<u></u>	25	p'c.	Ŀ	v .	50	6	16	12	<1		30	Decome sittettal
	911	20	0	20	30	30	c.	20	Br		1	3€	10.	19	14	<1		38	December 1000
	9/2	20	0	20	30	30	<u> </u>	20	₿,~	_	<u> </u>	30	41	72	21	<u> < </u>		34	Ditte
	413	20	0	20	30	30	C	20	3 -	_	/	30	10	19	9	<1		32	h .
		20	0	10	40	30		20	B		1	40	8	45	25	4		32	Decomo sitestore
· ·	915	<u> </u>	0			30	C	20	br		V.	50	8	23	12	41	ļ	30	Dett-
	916	0	0	10	60	30	ت	20	12-	_	V	60	6	18	7	<1	ļ	32	"
	717	-	_	20		30	9	40	V-4-2	<u> </u>	√_	60	13	13	14	41		31	Decemp sanda silestone
			1	10		20			Br	-	ν.΄	60	3	21	17	4		36	Tecomo silestone
	_	10		20	40	30	6	20	Br	=	1	50	3	16	24	<1	-	35	" sandy "
	1698920	ľ	ł .	-	<u> </u>			-	K-B-	V	-	_	340	168	130	1	ļ	34	Ferria cilistene and ottom of & subole
		20			50		C	20	¥}r	*	1	40	150	3)	71	<1	ļ - _		To come silliere
, , , , , , , , , , , , , , , , , , , 		10		0	60	20	6	20	B-	-	_/_	40	21.	36	27/	 		40	Della
	4	100	1				·		613	1	-		8	13	9	<1		22	Polomitic selt stone
	724			0	40	30	6		lek &	_	✓	30	21	21	20	2		. "	Decomp" " with colores
		10		0	50	40.	Ç	20	B		1	40	Ш	21	11	1		32	Decemo silestore
	726	10	0	Ü	60	30	_	2.0	Bo		V.	40	11	18	14	21		3 5	Ditto
	698927	20	0	0	50	30	C	20	K ~	-	V	50	7	18	10	4		40	

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TENEMENT.	E.L.	38/				1.	T., 31		GEO	HEN	UCA	L SO	IL SAI	MPLIN	G LEC	GER			No. Ω73 0005
AREA/PROS			DA		********		·····									,		D.P.G.	No. LICE SOO
PLAN REFE	RENCE	(HAP	<i>l</i> .	: 5 ę	• • • •	7	Horo	Mes	aic.				*********	************				ANAL	OGIST TEM. DATE May 78
Grid Co-ordinate	Sample		S oil	Compo	osition	ry		San	nple	[i	Sedroc	k		м	letal Con	tent in p	pm.		
	No.	Rock,%	Organic %	Sand %	Silt %	Clay &	Soil Horizon	Depth om.	Colour	Outerop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	. W . t	SCHT.	Geological observations
Endanda	698951	10	0	10		30			3	_	1	50	11	11	15	<1		30	De comp. sandy silestone
Sail Line 6	2	30	0	10	40	20	C	20	11		1	50	8	24	83	41		26	Decomp. sandy silestone
(Surple hat.)	3	10	0	30	40	20	C	20	'n	_	1	60	6	0	8	<1		30	<i>n</i>
	4	10	0	30			C	20	*		1	60	8	18	13	<1		24	· y
5-N	5	0	0	40		_	C	20	11	_	/	60	6	16	13	<1		34	Decomp. inhose (?)
	6	0	0	40			C	20	4	_	/	80	8	13	12	<1		35	Ditto
	7	0	0	1	40		C	20	1	-	V	100	_6_	42	23	<1	<u> </u>	34	1
	3	0	0		40	30	C	20		_	V	100	8	29	14	41		33	4
	10001	0	-	30		30	C	20	A,	_	1	80	6.	34	20	<1	1	34	"
		30	1				C	20	4	_		20	6	45		<1	·	35	Decomp sandy silestone
	698961	0	0	30	10	30	C	20	4	-	V	100	8	21	11	<1		3/	Ditto
			\vdash	-	_		\vdash		· <u> </u>							<u> </u>			
					-	 	\vdash		·						<u> </u>				
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TENEMENT E.L 381 Page No.... D.O. No. B0006 GEOCHEMICAL SOIL SAMPLING LEDGER AREATNOSPECT EVDUARE SAMPLE NO. GEOLOGIST TEM DATE May 18 PLAN REFERENCE ENDINA 1: 50000 ANALYSED BY Z.C. Soil Composition Sample Bedrock Metal Content in ppm. Co-ordinate Samole SCHT Geological observations .Zn Cu : Αo C. P. 5 698928 300 ENPENE 40 30 0 20 Kil 30 Decome note silvatore 20 11 20 R-br 28 Decome sitestine in SOIL LINE 7 11 E >W 699930 30 C 20 Er 21 Dette Sa if Interest 9 2,1 20 = 50_ 937 6 20 21 933 30. 20 36 " + calciale fragments 934 14 735 926 52 20 40 20 0 20 6.1 20 41 Decomo siltatore ? 20 50

	E.L. 3							**	. ¥ % (, ' `				- 12 - 12 (12)	P LIN		(원왕. 교환			No. 80006 Page No. 729
	ENCE ENK																- C.		OGIST T.F. M. DATE May 178 VSED BY Z.C.
Grid			Soil (ompo	sition		·	San	nple		Bedroc	k		M	etal Con	ent in pp	om.		
Co-ordinata	Sample No.	Rock %	Organic %	% pues	Sift 🛠	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag		Seint. C·PS	Geofagical observations
ų ⊅ ųμΩ)	698939	Ø.	5	0		30	C	20	2		1	60	21	42	17	41		24	Decomp silestone (?)
IL LINE 8	693940	[0	5	0	60	25	C	20	Br	_	1	60	21	42	15	41		23	Decemo di vive
ETV	921	10	0	20	40	30	ت	20	Br	_	V	60	21	45	19	4 1		32	" take "
of Land	वास्त्र	0	0	ℓ	70	30	c	20	2	_	1	60	19	45	18	41		25	· Stope
50 m	943	30	0	10	10	0	C	30	Craz Go	/	_	-	21	39	14	1 -		22	Decomp sand silestore Soc die
	944	50	0	10	10	0	C	40	Gray	1			17	57	20	<1		26.	Tay.
	9 45	2.	-	10	40	25	<i>C.</i>	20	Bo	_	/	60	17	34	15	1		33	Recomp. Adotore & careette
1.5	746	20	5	10	40	25	Ç.	20	Br		v'	60.	34	50	17	21		26	Ditte
	947	20	5	16	46	25	C	20	li-	-	1	60	41	50	17	1		28	h
	74g	10	0	0	60	30	C	20	Br	_	V	60	28	39	14	ı		26	Deany of better & colorete
	949	10	0	0	60	30	C	20	3	_	1	60	17	47	14	</td <td></td> <td>27</td> <td>Pitte.</td>		27	Pitte.
<u>.</u>	698950	10	0	0	60	30	C	20	3,-	_	V	60	12	57	14	4		28	<u> </u>
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				<u> </u>	<u> </u>				! ├ ───						<u> </u>				
	•	<u> </u>			<u> </u>				ļ	_					ļ	cal	Morn	oil with	
			<u> </u>		<u> </u>											42.3	cel	erete.	
		 	<u>.</u>		<u> </u>									<u> </u>	ļ <u>.</u>	1 1		1	
		<u> </u>			<u> </u>			<u> </u>	<u> </u>						Betroe	k inte	Cales	ete	OVA O DOO

TENE	MENT E L 381	GEOCHEMICAL SO	DIL SAMPLING LEDGER	D.P.O. No. B0006 Page No)
•	PROSPECT FURNADA		***************************************	GEOLOGIST TEM DATE	
•	REFERENCE RIVERTON 1: 50000	***************************************		ANALYSED BY Z.C.	<i>J</i>
A 9006					

Grid Co-ordinate			Soil	Compa	sition			San	nple	,	Bedroc	k		М	etal Con	tent in pp			
Co-ordinate	Sample No.	Rock %	Organic %	% pues	Silt %	Clay %	Soil Horizon	Depth cm.	Colour .	Outcrop	Con- cealed	Est. Depth to	Pto	Zn	Cu	Ag	1 1	1AT C-P.S.	Geological observations
ENDUNDA	698962	0		20	50	30		20	to	_	1	80	8	18	7	<1		20	Decome goods elections.
Soil Live 9	763	10	8	20	40	30	C	20	Br	_	1	80	8	<u>tı</u>	7	<1		22	Ditta.
5-7N	964	10	0	20	50	20	<i>C</i> -	20	Br	_	1	90	15	21	10	<1		24	11
Sample Interni	765	10	0	; c	50	30	ے	20	3-	_	1	50	15	26	12	<1	2	8	I,
- 50m	766	0	0	30	40	30	ے	20	Br	_	1	30	9	16	7	<u>~1</u>	2	22	n
	967	C	0	30	40	30	c	20	Br	_	<u> </u>	SE	10	18	8	21	3	34	Ŋ
	958	0	0	20	50	30	c	20	Br	_	1	80	25	32	23	<1		25	11
	698759	C	0	30	40	30	0	20	Br	<u> </u>	v/	50	17	20	10	,		21	H
	695970	0	0	10	50	40	<u>c</u>	2.0	Br	_	4	100	13	16	<u>lı</u>	∠ 1	2	24	Decomp silestone
	771	0	0	0	70	30	1	20	Br		1	100	23	23	<u>II</u>	∠ 1		19	Ditto
	472	0	0	20	50	30	6	20	Br		1	100	18	16	8	ZI		17	Decomp as Kose ?
	773	0	0	10	50	40	c.	20	35	_	1	80	23	37	19	1		25	" silestone"
·	974	0	0	10	50	40	6	2.0	Br	_	1	70	17	18	9	<1		2/	Ditto
	93	0	0	10	50	30	<u>c</u>	20	12,-		V	70	10	25	14	<1	2	25	f:
	976	0	0	20	50	30	ے	20	<i>3</i> .	-	V	70	10	28	10	<1	2	23	Decome sounds of distance
	977	0	0	20	50	30	0	29	Bor		<u> </u>	70	37	60	25	21	2	20	Ditto
	978	0	0	0	70	30	0	20	Br	_	1	80	13	27	11	<1		19	Dogwood Silvers !!
	979	0	0	20	!	30	6	20	Pr	ž~-	1	20	13	16	8	<1		19	11 Sande 11
	698980	0	0	20	50	30	Ç	20	1 .	_		700	15	25	11	<1	1	20	Detto
	951	0	0	10	50	40	c	2.0			V	100	1	37	15	<1	2	25	7
	695982	Û	Û	0	€0	40	٦	2.0	80		1	160	20	29	11		:	20	Discong sibstone

AREA/PROI PLAN REFE	E.L. Pect Eur Rence Ai	ma/ f	À	1:5	000	••••••••••••••••••••••••••••••••••••••	*********	SAMP	LE No	UNE	MIC	AL-3	OIL SV	WPL)	NG LE	DGER	*****	GEOL	No. BOOD Page No. DATE May 78
Grid Co-ordinate	Sample		Soil	Comp	osities	1		Si	mple	T	Bedro	ek .			Metal Co	ontent in s	oom.		
	No.	Rock %	Organic 3	Send %	Sit &	Clay &	Soil	Capth Ca	Colour	Outerop	-6	Est.	ŕb	Žn	Cu	Ag		SCINT.	Geological observations
ENDUNDA	698983	0	0	10	50	40	T -	1	 		1/	10	7	32	16	1	+	+	(4)
OIL LINE 9	934	20	C	10	40	30	0	Į —				20	1	57	17		+-	29	De comp silistane?
Cont.)	985	0	0	20	50	30	c	20	2	-		,	 `	37	 	21	 	21	24to
	756	0	c	20	50	30	C	20	Br		1	150	 	16	8	- 	 -	25	29 Ge
	967	0	F	20	50	30	e	20	72.		1	103	1	30	10	1		22	"
	955	0	0	20	50	30	۷	20	Br		1	100	_	32	23	+		24	<i>t</i> .
	989	0	5	10	55	30	c	20	Br	1.	1	100		68		1	 	23	11
	698 990	0	5	0	60	40	6	20	Br	_	/	100	15	22	11	1		22	
	991	0	0		60	40	<u>c. </u>	20	Br	_	/	100	20	36	10	1		25	Dictor Siltetone (1)
	992	0	0	10	40			20	Br		/	100	25	36	16	1		17	11
	193	0	_		70	20	4	20	<i>B</i> ,_		1	100	13	17	7	1		27	4
	994	0	0	10		30	ے	20	B		1	100+	13	15	6.	1		22	"
	795	0	0		60		E	20	Bo	-	/	1001	20	25	32	1		20	"
	996			•	60		ے	20	Br		1	100	- 8	17	8	<1		18	Permanulation of the
	997				40		c	20	Br	-	1	60	10	33	14	<1		22	Detto
	698999				40		21	20	Br	-	1	60	10	22	10	4		20	11
		0	_		60			2.0	Br	_	/	80	13	31	15			2/	Decome sit store?
+					50			20	Br	_	/	100	13	38	16			19	Beng sandy silestone?
	700 401	30	0	10	40	20			Br		/	60	10	25	14			20	Ditto.
	700403		•		50 50		2	2.0	Br	_	/	60	10	22	9	</td <td></td> <td>25</td> <td></td>		25	

TENEMENT E L 381 GI AREA/PROSPECT ENGUNDO SAMPLE I PLAN REFERENCE RUCRTON 1:50 000	OCHEMICAL SOIL SAMPLING LEDGER	D.P.O. No. BOOK Page No. GEOLOGIST T. E. A. DATE May 'TE ANALYSED BY Z.C.
AREA/PROSPECT. ENDUNDO SAMPLE I		Got a Go Tag an arraine a Grape a constant a
A D D D D D D D D D D D D D D D D D D D		D.P.O. No
TENEMENT E L 381 GI	OCHEMICAL SOIL SAMPLING LEDGER	Page No.
		076

Grid Co-ordinate	Sample		Soit	Comp	ositian			Sar	mple	*	Bedro	ck		N	Aetal Co	ntent in p	pm.		
	No.	Rock %	Organic %	Sand %	Sir &	Clay &	Soil Horizon	Depth cm.	Colour	Outerop	On-	Est. Depth to	Pb	Zh	Cu	Ag		SCIPT.	Gentogical observations
EUDUNDA	700454	10	0	7	50			20	Br		1	40	8	24.	111	1	 		7
Soir LINE 9.	405	0	0	20	70	10	c	20	120	_	1	40	8	14	8	41	 	28	De comy sande cilestone.
(Cont.)	405	0	0	20	60	20	6	20	B.			40	4	14	7	 			Ditto
	407	0	c	20		80	ے	20	ø,		1	60	8	15	7	41		24	
	408	0	Ū	20	50	30	6	20	Br	_	1	60	23	22	111	1-/			11
	409	0	e	20	$\overline{}$	30	C	20	Bo	-		60	15	18	9	41	 	24	'
	700410	0	c	2.0	50	30	4	20	2		1	 	15	18	q	\		22	
	411	0	Ø	0	50	40	0	20			./	80	20	31	14			21	4 (4)
	4/2	0	0	20	40		0	20	Br	-44	/	50	10	22	11	4		24	Decomp silesterd?
	413	0	0	0	70	30		20	Br	->-		50	10	12	8	41		23	11 Sandy 1
	414	0	0	10	60	30	C		Br		1/.	80	13	16	9	<1		22	Decorp silestone
	415	10	0	10	50	30	c		Pr.		1	60	13	17	8	21		24	Ditte
	416	0	0	o	70				Par		1	60	13	15	9	4	1	20	
	417	0	C.	10	50	30	-	20	ಶ. -	-	•/	80	13	17	9	21		2.2	
	418	c	C	0	70	30.	c	20	"	_		80	13	25	7	41		23	7
	419	0	0	0	70	30	C	20	,		/	50	17	36	19	-		20	
	700 420	0	C	0	60			20	"	-	1	60	20	60	23			19	<u>"</u>
		20	0	0	50	30		200	W.B.	_	/	40	33	60	26	ALL!		22	
	4.72	0	0	0	60	40	\Box	20	2			40	20	60	21	</td <td></td> <td></td> <td>4</td>			4
	4-23	0	0		70	30		20	,,	_		50	20	50	22		-	25	<u>. // </u>
	700 +24	0	0	0	70	30		20	"	-+		60	13	34	16	1	. 	25	
												201	11	27	10		ل	22	D.

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TENEMENT.	E.L	38	<u> </u>				s	AMPL	GEOC E Nos.	HEN	IICA	L SO	IL SAJ	WPLIN	G LEC	GER	D	D.P.O.	No. BODO Page No.
PLAN REFER	RENCE RIV	LERT	? <i>N</i>		500	00		*******		*********	*******	**********		*************	***********	*************	A	NAL'	OGIST T.E.M. DATE May 78.
Grid Co-ordinate	Sample		Soil (Compo	peition			San	nple		Sedroc	k		м	etal Con	tent in pp		~	
Co-ordinate	Semple No.	Rock %	Organic %	Send %	Sin &	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	Į.	C1117	Geological observations
ENDUNDA	700 425	0	Ð	0	60			20	Bi		✓	60	20	44	23)		24	Decomp citostano
Soil Link 9	426	20	0	0	50	30	C.	20	Br	_	1	50	8	47	15	,		2-/	Decomp cilegtono.
Conti)	427	0	8	0	60	40	C	20	B	-	/	50	20	50	23	1		21	"
	428	20	0	c	50	30	C	20	20	·	.)	4.6	15	66	22	41	2	25	li .
	429	0	0	0	70	30	<u>c_</u>	20	p	•	1	50	15	42	17	41	2	8	<i>h</i>
4.4	700 430		1	0	50	_	<u></u>	20	11	-	/	25	23	44	78	1	2	5	"
· ·	432	0	0	0	Ţ	30	Ç	20	r:	-	V	40	13	28	18	1	2	20	t.
	432	0	_	0		40	2	20	*	į	1	30	13	23	11	4		2.2.	<i>b</i>
	700 433	0	0	0	70	30	C	20	11	-	<u> </u>	30	13	26	12.	<1		24	h
	<u> </u>	\vdash	-	_	-														
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TENEMENT AREA/PROS PLAN REFE	FECT. END	un D	A		500	•		AMPL	GEO E Nos	CHE	MCA	L SC	AL SA	MOLII	VG LE	DGER	Take	GEOL	No. BOOOD Page No. OGIST TEM DATE 129 YSED BY Z
Grid Co-ordinate		Γ	Soil	Comp	osition			Sar	npie		Bedro	ek	1		Metal Co	ntent in p	oom.		
	Sample No.	Rock %	Organic %	Sand %	E K	Clay &	Soil Horizon	Depth	Colour	Dutcrop	Con-	Depth to	Pb	Zn	Cu	Ag		SCINT CIRS.	Geological observations
EUDHNDA	700434	0	0	0	70	30	c	20	Br	-	1	100	13.	26	11	1/1	1 -	24	Decomp sitestone (?)
SOIL LINE !O	435	•	0	0	70	Γ	C	20		-	V	100	13	26	12	1 7		30	Ditte
E-W	436	v	0	0	70	30	6	20	/	-	/	100	13	31	19	<1		25	"
Samuele list.	437	0	0	0	70	30	c	20	4	T-	1	80	1	24	8	1	†	28	"
= 50 m	438	0	0	10	60	30	5	20	**		1	70	7	21	3	1		19	"
· · · · · · · · · · · · · · · · · · ·	439	0	0	0	70	30	C	20	11	_	/	70	11	/3	6	ZI		19	n n
	700440	0	0	0	70	30	C	20	"	-	1	60	8	16	5	41		21	<i>u</i>
	44;	20	0	0	60	2.0	C	20	11		1	40	. 11:	36	14	41		23	Decomp. sillstone
	442	0	0	0	70	30	6	20	'et	-	1	40	8	2/	8	41		2.2	Ditte
	443	20	10	10	50	20	C	20	11	-	1	30	8	18	5	<1		20	Decomp san by silvetone
)	444	20	0	0	60	20		20	"		/	30	11	24	9	41		23	Decong silestone
	445	0	0	0	70	30	C	20	it		1	50.	9.	18	5	41		26	Ditt.
	446	0	0	0	70	30	C	70	11	_	1	60	11	16	6	41		25	7
	447	0	0	0	70	30	C	20	4	-	1	60	12	24	8	</td <td></td> <td>24</td> <td>ti i</td>		24	ti i
	449	0	0	10	60	30	C	20	11	-	V	70	15	26	9	4		23	p
	449	0	0	0	70	30	5	20	. 9	•	V	70	19	39	12	4		22	4
	700450	0	0	2	80	20	C	20	H	-	√	80	17	36	12	21	1	21	1
	451	0	D	8	70	30	c	20	, <u>, , , , , , , , , , , , , , , , , , </u>		1	80	13	3/	11	41		20	W.
	4 5 2	C	0	0	70	30	C	20	Ħ	-	/	70	15	31	9	41		22	"
	453	0	0	0	96	20	1	20	11	-		60	8	16	5	<1		17	•
	700454	0	0	.0	56	20	C	20	11,	-	√ .	60	4	21	6	<1		10	

TENEMENT AREA/PROSI PLAN REFER	PECT. Eup	HAR	A.	ido e 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	*******		S	AMPL	E Nos.	HEN	71' 2 49				. · · ·		••••	GEOL	OGIST	0006 C. 72. DATE // 78
Grid			Soit (Comod	sition			San	nole		Sedroc	k		M	etal Con	tent in p	om.			
Co-ordinate	Sample No.	Rock %	Organic %	Sand %		Clay %	Soil Horizon	Depth cm.				Est. Depth to	Pb	Zn	Cu	Ag		FANT E.F.S	. * .	Geological observations
ENDUNDA	700455	0	0	Ι —				20		_	1	60	6	16	6	<1		18	Decomo	silestone
for LINE 10		1	T	<i>e</i> -	70				Br	 .	1	40	8	19	6	4		2.0	Dette	
(Cont.)																				
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AREA/PROS	EL PECT SUD MENCE Su	UM PA		1:	50	200		AMPL	GEO:	CHE	MICA	L SC	IL SA	MPLIN			••••	GEOL	No. BOOD Page No.
A 9005 Grid Co-ordinate			. 473	Сотр			T	Sa	mple	I	Bedro	ck	1	Atumer, 25, 25	Astal Con	tent in pp		ANAL	YSED BY Z.C.
Co-ordinate	Sample No.	Rock %		% pues	Silt %	Clay %	Soil	Depth	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	As		Sewy, C.7.5.	Geological observations
EUDWINA	700457	0	0	0	70	30		20		-	1	80	19	39	12	21			Decomo silestone
SOIL LINE !	458	0	0	8	70	30	c	20	Br		J	50	13	26	10	41		26	Della Seatione
W+E	1159	0	0	0	80		C	2.0	B	1.	10/	So	13	26	10	<1		23	11
Sample 14	700 460	0	0	c	70	30	c	20	Br	_	1	80	 - ′ -	34	12	41	 	2 7 2 2	"
= 60m/	461	10	0	0	60	30	C	20	Br		1	70		31	12	41		24	4
	462	20	0	O	60	2.0	C	20		_	1	70		29	12	21		74 27	7)
	463	10	0	O	60	70	0		1		1	72	13	29	8	<1		20	<i>n</i>
	464	0	0	0	70	30	C	20	80		1	70	11	47	12	41		26	h
	465	20	0	0	60	2.0	C	20	B	-	1	60	В	34	1			23	h
	. 466	30	0	0	50	2.0	(20	1.	-	1	30	6	31	7	,		26	н
	467	20	0	0	60	20	C	40	Cor Br		1	50	13	42	13	,		24	1.
	468	5	0	0.	65	30	C	20	9-		1	60	11	29	8	1-1		27	
	469	10	0	0	60	30	C	20	Di		1	60	45	26	6	1	7-	20	
	700 470	0	0	Ø	70	30	c	20	Z.	_	1	60	19	50	13	,		2.4	<u> </u>
	471	0	E	0	70	30	C	20	"	_	./	70	15	36	13			23	T.
	471	Q	0	C	i	20	C	20	Br		1	70	17	36	13	,		25	
	473	20	C	0	60	2.0			11	-1	1	40	21	34	11:	2			<u>n</u>
·	474						7		The state of			40	21	36	14	2		~	
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PLAN REFE	NENCE EK	Dr.n.l	PA.		50 G	00				· · · · · · · · · · · · · · · · · · ·	**********			****************		************		ANAL	YSED BY	Z.C.	JA1E		**********
Grid Co-erdinate	Samole		Soil	Compo	osition		1 Y	Sar	npie	ı	Bedroc	k		M	etal Con	tent in p	pm.						
	No.	Rock %	Organic X	Send %	Silt %	Clay %	Soil	Depth Ca.	Colput	Outcrap	Con-	Est. Depth to	Pb	Zn	Cu	Ag		SCINT.	ia.	Geologic	el observa	stions	
EUSUNA	700475	20	0	0	60	20	c	20	Br	-	100	50	19	31	10	2		25	De comp	silest	ine 4	colere	te
Soil LINE 12	476	20	0	8	60	20	c	20	Br	1		40	17	45	15	2		28	Decen				
ETW	477	C	E	0	70-	30	c	20	B		V	4.0	13	36	8	1		26	Decomp				
Sante (nt.)	478	c	b	0	70	30	6	20	Br		V	50	13	47	9	1		23	211-		•		
= 50 -	479	10	0	0	60	30	C	30	Br	-	1	50	8	34	8	41		21	11				
	700480	In	0	0	60	30	e	20	世	ţ	1	50	7	26	8	41		22	,,				
	481	10	0	0	60		0	20	Br	-	1	40	13	37	11	41		23	It	·			
	497	0	0	0	70	30	6	20	Br	1	V	50	13	39	9	41		27	ji.				_
	483	30	0	0	50	20		20	1.	1	1	50	12	39	8			2.0	ŀ				
	484	30	0	C	60	20		20		-		40	12	26	10	1.	·	20	. 11				
	485	0	0	0	70	70	5	20		•	1	50	11	29	7	1		23	11				
	486	10	0	O	60	30	6	20	ħ	1	1	50	13	31	6	41		21	tf.		,	,	
	487	20	0	0	60	20	C	20	ti	•		40	15	34	9	4		19	8 F				
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LAN REFE	RENCE	dun	la.	1:3	2000	91	sto	mos	air.			······	*********	*********	•••••		•••	ANAL	YSED BY 2-C-
Grid Co-ordinate	Sample		Soil	Comp	osition			San	nple		Bedro	:k		N	etal Co	ntent in p	pm,		
	No.	Rock %	Organic 9	Sand %	Sift %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag		ScINT, C.P.S.	Geological abservations
refunda	700488	20	0	0	60	20	C	20	8	-	V	50	13	54	15	<1		32	Decomp. siles tone
rilling 13	9	20	0	0	60	20	C	20	Gr-Br	1	1	to	12	57	1	41		36	Ditte
=+V.	700490	,	0	0	70	30	C	20	Br	-	1	50	8	31	7	</td <td></td> <td>30</td> <td>//</td>		30	//
ample Int -	1	0	0	0	70	10	С	20	ij	_	1	50	[[39	10	<1		28	И
= 50m	. 2	30	0	0	50	20	C	10	Gr. Br	✓	_	-	6	50	10	<1		34	De comp. & wthod, silectone
	3_	30	5	-	45	20	C	iO	A .	-	/	15	6	50	/3	41		30	Decomp. & willed silestone
	4	50	0	0	30	20	C	10		-	1	15	11.	36	10	<1		3/	Ditte
	5	20	0	0	60	20	C	15	Br	`	1	20	_11	39	7	<1		30	Ж
	. 6	30	0	0	50	20	C	20	Graffer	,	<u> </u>	30	<u>\$</u>	54	14	<1		29	H.
	- /	30 Zo	0	0		20	Ċ	20	Br	_	1	30	8	34	8	<1		30	ħ
	<u>7</u>	20	0	⊢	60	, ,	C	20	<i>\(\)</i>	•	/	Fo	10	34	14	</td <td></td> <td>32</td> <td>Decomp. gilestone</td>		32	Decomp. gilestone
		20	0	0		20	C	20	4	•	1	40	11	36	17	1		29	Ditte
	700500	_			70	30	C	20	*	-	1	50	8	29	8	1		32	4
	700501	40	0	0	40	20	U	20	"		/	30	13	39	13	1		28	What I decomp . silectore.
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Grid Co-ordinate	Sample				osition			T^{-}	mple	7	Bedro		Γ			ntent in		-	TOLD ST
	No.	Rock %	Organic %	Sand %	Silt &	Clay %	Soil	Oepth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	.,	SCINT.	Geological observations
Eunul 12	700502	0	0	0	70			1 —		-	/	50	13	29	9	+,	-	22	2
THE LINE LA	503	O	0	0	70	30	c	20	Br	-	1	50	11	31	9	21	+	26	Dicomo silestore.
E->V	504	0	0	0	70	20	<u>c</u>	20	to	-	1	50	17	34	10	4	1	22	2002
Sample Interval	#0.5	C'	0	0	70	30	c	20	2		1	45	15	39	//	21	 	36	<i>'</i> .
* 50 m	506	0	0	0	70	30	С	20	Br		/	50	13	24	10	41		25	"
· ,	507	0	0	0	$\overline{}$	30	6	2.0	,,		1	60	13	26	10	<1		18	"
	508	0	0	0	70	30	۷	20	Br	<u> </u> -	V	80	13	26	11	21		28	7
	700509	0	0	. 0	70	30	c	20	Br	_	1	100	13	29	10	4		26	
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Grid Co-ordinate	Sample				osition				mple		Bedroc	-				tent in p			
	No.	Rock %	Organic 9	Sand %	Silt %	Clay %	Soul	Depth cm.	Colour	Outcrop	Con- cealed	Est. Deptf: 10	Pb	Zn	Cu	Ag		SCINT.	Geological observations
EMPANDS	700510.	0	Ö.	0	70			20	B-	-	1	40	15	29	11	<1	1	27	De come siketine
SOIL LINE 15	511	0	0	0	60	40	e	20	Br		1	50	15	31	11	<1		25	Dika.
E-> W	512	20	0	0	80	20	c	20	Br	<u> - </u>	1	40	15	47	14	<1		25	11
Sample let.	513	Q	0	0	70	70	c	20	Br	<u> -</u>	1	50	12	36	12	<1		2.3	4
50 _m	514	10	0	0	70	30	0	20	Br	-	✓	60	12	31	10	<1		21	٨
	5 <i>1</i> 5	0	0	0	60			30	8-	-	/	70	11.	29	10	<1		24	h
	516	0	-	1	_	30		20		-	V	70	19	34	.13	<1		25	"
	700517	0	0	0	70	30	C	30	gr	-	V	70	11	24	9	<1		20	4
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Grid			Soil (ompo	eition			San	ple		edroc	k		M	tal Cont	ent in pp	m.		. '	
Ce-ordinate	Sample No.	Rock %	Organic %	% pues	Sin %	Clay %	Soil Horizon	Depth cm.	Colour	Outerop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	_	SCINT C.P.S.		Geological observations
EUDUNDA	700518	_	0		70	30	U		· Con	-	1	60	15	36	10	21		28	Decemp.	chistone
Son Line 16	57.9		U	C		30	C	20	g _r	-	V.	60	19	72	13	ا >		23	Ditto	
E-W	700 520	0	0	0	60	40	6	20	Br		V	50	17	3/	10	<1		23	ıt .	
Sample Int.	521	0	0	0	70	30	C	2.0	g'r		1	60	15	26	9	21		21	1.	
= 50 m	522	0	0	0	50	50	0	20	3r	_	V	70	23	36	12	_'_		26	t _i	
	700523	0	0	o'	70	30	Z	20	\mathcal{L}_i	-	v	70	23	34	11	<1	ļ	20	- 11	
	700524	0	0	0	70	30	6	20	Br	=	V	70	15	23	10	4	 -	22	- ,,	
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A 9005 Grid		İ	Soil (Comp	osition			Sen	npie		Bedroc	k		M	etal Con	tent in ppr		
Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Hori zo n	Depth cm.	Colour	Outerop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	Sein C.P.S	Geological objervations
Eudunda	700525	0	1	0	1	30	c	20		-	1	50	17	34-	12	41	21	Decomp solistone
SOIL LINE!7	526	5	0	0	T		c	20	Br		V	40	12	42	13	21	23	Differ of references
E > W	527	0	0	0	1	30	c	20	Br		V	40	12	42	12	4	19	Decome siletione Copposite roaderde quant
Somuele lid .	528	10	r	0	60	70	Ċ	20	12v~		v	40	10	47	12	<1	13	Detto I anierste.
+ 50m	529	0	0	0	50	20	٠.	20	Dr	-	1	50	15	42	13	41	23	· · · · · ·
· · · · · · · · · · · · · · · · · · ·	700530	0	0	e	70	30	c	20	3-	.,.	1	50	21	69	/2	21	30	Ditte
	700521	30		0	50	20	c	2.0	Bir	-		40	lon	72	19	4	25	n
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Grid			Soil	Como	osition				mole		. 20roc	L			4			ANAL	
Co-ordinate	Semple No.	Rock %	× 2	Sand %	T	1	Soil Horizon	 	Colour	Outcrop	1	Est. Depth to	Pb	Zn	Cu	tent in p	ipm.	SCONT.	Geological abservations
UPUNDA	700532	10	r	0	60				Br		V	40		47	17	21		+	De comp silvatore & calarate
OIL LINE 18	533	20	0	0	50	30	6	20	6-8	-	1	40	12	63	25	1		21	Decomp soll stone.
E→V.	534	20	c	6	60	20	0	20	o 1.	-	V	40	34	54	19	41		25	Dillo
ingle fait.	535	20	8	0	60	20	ے	20	, ,	<u>_</u>	1	40	25	47	66	1		20	" + calcrate
= 5cm.	536	Ô		0	1	1		20			4,	50	13	50	14	<1		20	De song silistone
	537			1	1 .	1 !		20			<u>/</u>	60	13	36	7	<1		25	Date
	538		0	0				2.0		_	4	60	11_	34	10	<1	<u> </u>	26	li
_	700534	.0	0	0	66	40	-	20	8	-	√	40	21	51	20	. 1 -		22	u
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AREA/PROSPECTE	LDUMDA	SA	MPLE Nos.	************		GEOLOGIST T.E.M.	DATE May 78
PLAN REFERENCE	RERTON 1: 5000-	***********	****************	******************************		ANALYSED BY 2	
Grid	Soil Composition		Sample	Bartrock			

Co	Grid ordinate	Sample			Comp	osition			Sad	nple		Bedro	ck		N	letal Cor	tent in p	pm.		
		No.	Rock %	Organic %	Sand %	Silt %	Clay &	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	As	:	SCINT	Geological elservations
Eu	DWN DA	700540	0	5	0		30	C	20	Br	-	1	50	17	42	17	21	 	38	D :/ 4
Seu	LINE 19	541	0	0	0	50	50	c	20		_	V	50	19	47	14	 	-	24	Ditto
	=-W	542	0	0	0	60	40		20		_	/	60	19	36	12	21	 	23	11
5	ple lat.	543	0	0	0	70	30	C.				1	60	12	24	10	21	\dagger	27	
<u> </u>	50 m	544	0	5	0	65	30	C	20	Br	-	V	60	17	29	11	<1		26	
		545	0	0	0	80	20	C	20	杂	-	1	60	15	24	10	<1	 	23	
-		546	6	0	0	70	30	С	20	91	1	1	70	12	19	7	<1		23	7
-		547	0	0	0	30	20	c	20	11	-	1	20	15	23	8	<1		23	,,
-		548	10	C	10	60	20	٢	20	Br	_	1	80	23	2.4	g	4		22	Bromp. sandy silestone
-		549	0	0	0	70	30	c	20	30	٠	1	80	13	26	10	41		20	To comp. silestine
-		700550	0	0	0	70	30	C	20	B r-	-	/	80	13	21	8	<1		21	11 10
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Grid			Soil (compo	sition			Sem	ple	E	edroci	K		Mo	etal Cont	ent in pp	m,		
Co-ordinate	Sample Ne.	Rock %	Organic %			Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con. ceeled	Est. Depth 10	Pb	Zn	Cu	Ag		SCINT. L.P.S.	Geological observations
Eugupop	700551	0	 			30		20	Br	Į	/	50	17	50	17	21		35	Decomo silegione.
Sole LINE 20	552	0	0	0		30		20	Br	ı	V	50	34	60	12	4		27	
E-W	553	N	. 0	e,	60	30	7	20	3-	•	2.0	50	28_	104	19	<1		22	" * calendo.
Sampleha	554	30	0	0	50	20	ست	20	Br		1	30	17	72	14	100/		36	n tr tr
= 50m.	555	0	0	0	70	30	ù	20	Be		j	40	19	107	17	4		30	Decompagible store
	556	0	0	0	70			2.0	Br		1	50	12	57	11	41		29	Detto
	557	20	5	C	50	25	c	20	Br		1	50	13	50	23	41		28	b
	558	1	5	0	55	-		20	Br.		1	50	15	54	14	21		24	Decomp sitistene
	559	0	0	0	70	30	C	20	9 -	•	V	50	8	34	10	<1		20	Decamp silestone
	700560	0	0	0	70	30	c	20	7.		1	60	12	45	13	<1		28	Ditte
	700561	€	0	0	70	30	C	20	j.	_	/	70	15	50	15	<1		2.6	· ·
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REA/PROS	ECT. EXP	LN DE	ł	*****	*******		, S	AMPL	E Nos.	******			- 		1945 1948 1944		fa e .		OGIST TEM DATE Men 78
LAN REFEI	enceE.u	ZA P.	?A	1: 5	0 00	2	•••••	3.35	2.255	 200 				•••••••	٠,				YSED BY ZC
Örid a ordinata	Sample	,	Soil (Compo	noitie	ि (क्यू ⁷		Sar	nple	-	Bedro	;k		W	etal Con	tent in p	pm.		
	No.	Rock %	Organic %	% pues	Silt &	Clay %	Soil Horizon	Depth cm.	Colour	Outerop	Con.	Est. Depth to	Pb	2n	Cu	As		Fe147.	Geological observations
Pad P	700562	0	0	0	70	30	C	20	Br	_	1	70	8	37	13	1		23	Decomp sillatore
IL LINEZ	563	0	0	0	70	30	c	20	Br	_	1	70	6	39	13	<1		20	Dette
¥-5E	564	0	0	0	70	30	<u>c</u>	20	Br		1	70	6	42	12	۷١		23	"
romp to the	565	20	0	0	60	20	C	20	Gr.B.		/	40	5	69	41	<1		24	Decomp. & will s. silestone.
Fom.	566	10	0	0	70	20	c	20	\mathcal{B}_{r}	.	1	50	8	63	19	<1		25	Decomposito store a calerate
·. -	567	20	0	0	60	20	Ù	20	8-		1	50	8	69	18	<1		28	Decomo i wiled silection e.
	568	0	Ø	0	70	30	C	20	₽-	-	1	60	lſ	57	13	<1		26	Decomo silestana
	569	0	0	0	70	30	¢	20	9.	<u>. </u>	1	70	/Z:	47	11.	V		30	Disto
•	700570	0	0	0	70	30	6	2•	· Ņ	_	1	70	15	50	11	<10		27	22
·	<u> 571</u>	D	Ø	0	70	30	C	20	10	3	✓	70	15	42	12	~ 1		21	h
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Grid Co-ordinate	Sample No.	Rock %	Soil (Sompo		Clay %	soil Iorizon	Depth cm.	Colour aid	Outcrop	Con-	2	Pb	Zn	etal Cons	Ag	Seint.	Geological observations
ENDUNDA	700572		0	 .				2.0		•	·/	70	6	24	8	<1	27	Dicenge silestone
rie Line 22.	573	0	c	0				20		į	/	60	5	18	7	4	21	Ditts.
-÷ V	574	0	C	20	56	30		36		•		50	6	4	7	4	28	Decemp souds gill stone
male lat.	575	30	0	C	40	30	Ć	20	it	-	V	50	11	31	15	<1	20	Deenald which sile time
$= \mathcal{I}_{\mathcal{O}_{121}}$	576	O	1	i	1	30			Br-		1	60	8	24	9	4	25	De come soll ottone .
	577	0		0	70	30	Ú	20	,,		1	70	11	29	10	21	22	Dille.
	578	0	0	0	75	30	e	20		-	100	70	9_	26	7	21	2.4	. p
	579	0	Ö	0	: -	30				·	1	70	7	29	7	<1	27	
	700580	0	0	0	70	30	c	20	1.	-	/	70	13	45	9	<1	26	te .
	551	0	0	0	70	30	c	2 6	11	-	✓	70	9	3/	9	4	25	<i>I</i> -
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PLAN REFER	RENCE TRE	40	1:50	0 000	·		·······	···········				10000000000)#0#0#gogogogo	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	m***********	***************************************		YSED BY Z.C.
Grid Ce-ordinate	Sample No.	<u> </u>	Soil (Compo	asition T	 !	┨ _ˈ	Sarr	mple	+	Bedroc	.k	-	<u> </u>	letal Con	ntent in ppm		
	140.	Rock &	Organic	% pueg	Silt %	Clay %	Soil	Depth cm.		Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	50m/1.	Geological observations
- HOUNDS	700592	0	0	0	70		_			-	1	10	6	21	9	<1	30	Decomp Silvetine.
OIL LINE 23	553	20							_	<u> -</u> '	<i>y</i>	60	5	18	18	4	28	Ditto
ヒウレ	554	_	C					20		<u> - '</u>	<u> </u>	50	12	36	18	<1	27	/,
ample he	555			0	70	30	<u> </u>	20	10	<u>↓.</u> '		to		21	13	41	2-,	,.
= 50m	586					30	1 - 1	20		<u> </u>	v	60	5	21	10	<1	24	<i>\(t</i>
	587	1 1	1 1		7	30	\neg	20	11.	<u> </u>	<u> ~ '</u>	60	В	26	12	<1	27	to to
	588	0	7		1. 1	30			_	<u> -</u>	<u> ./</u> '	70	10	31	19	<1	2.9	1.
	589					_			1,	<u> </u>	V	70	<u> </u>	23	17	<1	25	1.
	700590								,,	-	V	60	<u>_6</u> _'	13	5	4	27	Beens arkone
	700591		0	6	70	3,5	2	20	''	-	<u> </u>	60	8	29	1	4	29	Decemberhoes December silestone.
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TENEMENT AREA/PROS PLAN REFEI	PECT.	241	DA) [7]	٠		***********									DGER		GEOL	No. BOOO6 Page No. OGIST 76 M. DATE May 178
Grid Co-ordinate	Sample				peciti			S	mple		Bedro	ck			Metal Co	ntent in p	om.	7.	
	No.	Flock %	Organic 9		2 2 2	Clay &	Soil Horizon	Pept F	Colour	Outcrop	On-	Est. Deoth to		Zn	Cu	Ag		SCINT	Geological observations
displan	700572	20	0	0	6	0 20			_	1-	1	25	8	31	25	<1		30	R
212 FEBT 24	595	10	5	1	6	5 3	2 6	20		-		30	7	19	21	21	-	20 25	De some & will & substance
N-NE	594	20	+	10	60	20	С	20	13.00	-	v	30	5	7	8	4			Ditto.
Sample hit	5ac	20	0	0	4	20	c	20	Br		V	30	8	24	64	<1	 	75 32	n (11
= 50 ₀	596	$\overline{}$	0	1	70	30	<u> </u>	20	3-		100	40	11	11	13	21	-		1 (10 20 2 2 mg 3/2)
	597	_	0		70		_	20	8,	·	V	50	8	14	11	41		32 28	h
	598	1				30		20	,,	-	أعما	50	13	14	37	21		25 36	11
	<u> 599</u>	0				30		20	10	-	/	50	8	16	23	21		30	4
	700600	0	0	0	70	30	C	20	"	_	/	50	6	24	27	4 1		28	h
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PLAN REFE					*****		S	AMP	GEO(HEI	MICA	IL SC	HL CA	MPLII	(G LE	DGER	den.	D.P.O.	No. 80006 Page No
A refer	RENCE	(HA)) 	eromonia. Kara		•••••••		***************************************		Properties of the Parties of the Par		****	ANAL	YSED BY Z
Co-ordinate	Semple No.	Rock %	Organic 2	Sand %	* Sis	Clear &	Soil Horizon	€	mple 1000	Outcrap	Pedroi Co Se Se Se br>Se Se Se Se Se Se Se Se Se Se Se Se Se Se S	2	PS.	Zn	fetal Cor Gu	Ag	ipm.	SCINT C-P.S	Geological observations
EUDUNDY	700701	20	0	c		20			Git	-	1	40	6	26	17	<1	-	27	
SOIL LINES	702		0					2.0		-	1	50	8	19	7	21	† –	30	Ditte
E->W	703	30	5	0	45	20			Gr fr		1	25	5	19	13	41		24	
Sample ni	704	C	0	_	20	30		20			المرا	50	13	45	19	21		32	Sur cong. si & stone
= 50m	705	0	0	0	70	30	C	2.0	Br	-	V	50	6	45	8	4	1	34	Detta
	706					36		20	ņ		V	50	5	54	8	<1		40	and Color Space
	700707	0	0	0	70	30	<u>C</u>	20	"	. . ·	V	60	8	75	13	</td <td></td> <td>38</td> <td>r.</td>		38	r.
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Grid Ce-ordinate	Sample	L	Soil	Comp	position			S	emple	1	Bodre	rek	1		Metel Car	ntent in	COSTO,		
	No.	Rock %	Organic %	Sand %	Sile &	Clay %	Soil	P. S.	Colour	Outerop	Con-	Est. Depth to	Pb	Zn	Cu	Ag		SCIN	Geological observations
Eugury	700703	7	0	0		30					J/	200		16	9	<1	+	28	De comp siles for (?)
SOIL LINE IS	709	 	1	5					Br	E	1	200-	3	11	6	4	1	28	Dette
SV-NE.	700710	\neg	+		7/"			20		-	1	10¢±	4	11	9	<1		30	,,
Page of the	711	0	+	1	72:	70	3	25		<u> </u>	<u>/_</u>	160		14	5	4		30	Decempo silegipal
nt = Kon	7/2	0	 	0		1	(20	_	-	1	70	3	7	6	<1.	m 177.2	22	12
	713	0	+*	¢ .	70	3.0	1	7.0	+	<u> -</u>	<u> </u>	30		5	6	<1		2.0	p^{2}
	715		-	+	76	30	_	2.0	1		4	70		1	6	<1	1	28	10
	716	10		\hat{c}	70			20	1.	-	1	50		42	40.	<1	<u> </u>	27	
	700717	0	C	C	70	30		20	On . 5.		1	30		18	20	1		29	ħ
					1	76	-	20	1 2 Y	-	<u> </u>	50		6	25	<1	┼—	30	71
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TENEMENT.																OGER.			No. B0006 Page No.
PLAN REFE	RENCET.R	W.K.E		<i>35.1</i>				AMPL	E Nos.	*******		*********		.=1.2		***********	ens		OGIST TEN DATE 1/2 1/28
Grid Co-ordinate	Sample		-		osition		Ī	7	nple	F	Bedro c				<u> </u>	tent in pp	om.		
	No.	Rock %	Organic %	Sand %	Silt 🛠	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cested	Est. Depth to	Pb	Zn	Cu	Ag		SCINT.	Geological observations
Eliparina	7007/0	0	0	0	70		0	20	g.	_	1	80	6	29	7	<1		31	Down is (stone ()
Sid line 27	719 .	0	0	0	70	30	c	20	Br	_	V	80	8	39	9	<1		26	Ditto
E->V.	700720	5	C	0.	65	30	c	20	1.		1	80	5	72	27	41		32	Decemp sitt store.
Sample	721	0	0	نق	75	30		20	71	Ŀ	V	50	3	50	9	<1		22	Dette
1.2. 50m.	722	0	0	0	70	30		20	21	-		80	4	50	9	4		24	٨
	723	10		0		30		20		-	1	60	4	59	7	<1		25	
<u> </u>	724	0	0	2	70		I	20	#1	-	/	70	3	34	4	<1		21	B
	725	0	0	0		2.0		20	. ,,	1		80	3	3/	6	<1		27	h
	726	0	1			30	1		11	<u> </u>	1	80	11	39	11	4		25	11
	728	0	0	0	70			20	f :	<u> </u>	,,	72		36	7	<1	· ·	28	н
	729		0			30		2.0	2.	-	V	100	4_	36	7	<1		18	1.
	700730		C	0				20	**	<u> </u>	'	100	15	62	11_			23	и
-	73:	0		0	80				(1	-	1	100	15	56	15	<1	-	29	4
	732	0	0					20	••		1	100+	7	18	6	</td <td>_</td> <td>28</td> <td>•</td>	_	28	•
	733	0				30°			**	7.		100+		20	7	<br </td <td>-:</td> <td>27</td> <td>1.</td>	-:	27	1.
	734					30			-//			ICC L	6	20	7	<1		24	A
	725	0	1 1	O	i 1	30		20	8	-		100+	6	13	9				
	736	Ð	0	0		30		20		_	1		8			< 			
	737		0		70			20	~	-	U	20	5	23	20	<1		22	
	700 738				20	Zn		20	<i>R</i> .	\dashv	_	80	9	15 20	12 43	4		23 29	

	E.L. 3 PECT. KAI RENCE TR	LA!	/A	SHA	LE		Total and	AMP	E Na-					VMPL II	NG LE	DGER	-	GEOL	No. 30011 LOGIST TE M. DATE July 28 LYSED BY ANDEL
Grid Ce-ordinate	Samole				osition		1		mple	T	Becro		1	, s), -(2)	Metal Cor	tent in r			LISEU BY
	No.	Rock &	Organic %	Sand %	in X	Cley &	foil	Depth cm.	Colour	Outcree	on-	Est. Depth to	Pb	Zn	Cu	Ag	u	Semi	COOLORCE CEREIASTIOUS
Karage	700945	0	0	0	50	 	c				100	100		28	22	 	4	CPS	
Line 1	6	0	0	•			6	-	B	-	1	80	10	12.	8		4	50	THE STATE OF THE S
E→W.	7	0	·I ·	•			C		Br	-		10	8	15	10		4	42	721004 31/4 3
Sample	8	0	0	10	60	30	2	20		_	1	40	8	15	10	ļ —	4	44	Vitte
<u>interval</u>	9	0	0	10	60	30	۷	20	Н	_	1	30	9	12	3		4	40	. / //
=50.	70950	0	5	0	65	30	2	20	Br	_	1	50	12	12	15		6	43	Desomp silestone
			0				-		s	_	/	50	8	15	12		4	40	Ditto , gto
	2		0	0	60	30	c	20	Br	_	/	60	8	20	10		4	40	Dette
•	700953	10	0	20	40	30	ت	20	Br	-	1	70	8	19	12		4	39	Decomp sandy sites tone
	Tooks			-															3
	700754	100	-	-	-	-	-	-	Grey	1	-	-	5	22	50		6	85	Kinga shale in road atting.
									<u> </u>										Core (cart is get) laminated
									 -										and cross balket silestone and
																	·		Sandy silvotone. Truncation of coord
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		/e c		622 1.6 4	L				-			.r	AL DA	MANLT IL	4G EEI	DGEN		D.P.O	No. Bool
AREA/PROS	PECT Kerin	::YM		hall		••••••	S	AMPL	E Nos	* 70004444	*******					**********		GEOL	OGIST TE AL DATE Jame 18
LAN REFE	RENCE To		(.::	500	e f	hata	r. 15:40	sain	Ļ				Loops Spilasees			************		ANAL	YSED BY AMDEL
Grid		T		_	osition		-	lacksquare	57	T		-	T						· margaritation and an analysis of the state
Co-ordinate	Sample No.	<u> </u>	T 97	\top	7	<u>' </u>	┨	54	mple T	+-	Bedro	ck T] 	<u> </u>	Metal Cor	ntent in p	pm.		1
	1	Rock %	Organic	Sand %	*	*	Į ž	Ę	ž	Outcrop	. 2		Рь	7.			1,,	SCINT.	Geological observations
		l e	ŏ	S	Silt %	ਹੈ	Soil	Oepth Cm.	Colour	ð	ပ္ပို	Est.		Zn	Cu	Ag	<i>u</i> .	CPS.	
aring _	700955	10	0	0	40	50	C	30	Br		V	70	60	42	70		6	50	Decomp. stale
<u>شو 2</u>	56	0		0	50	50	c	20	Bleck	-	1	40	70	18	100		6	5.5	_
→W.	57	30	0	0		40			Gree	1		40		12	32				Brong. Carb. shale
	58	0	C	0		70	_		R-br	_	1	70		280	700		10	52	
	39	0	0	0		70	_		Dath		+	1	1			 	8	45	Ditto
Angel :50	700960	-	_	0		_	_		1	ı	1	50		100	80	-	8	50	et .
	1	20	T		30	60	3	i		1 -	/	50		65	60	 	8	53	"
	7		+-	7		40		20	2 4	-	1	30	1	1	38	<u> </u>	6	1 +2	Decomp cab. shale
	2		0	i —	40		C		Br	-	1	30	70	12	100	<u> </u>	6	43	Decomes shale
		0	0	_		70	6	_	DHR	-	~	50	48	12	42		4	40	Decomo carb. shalo
·	4					60	C	20	3-	-	~	50	10	40	22		4	30	Decomp shale
	5	30	_	0	30		6	20	11	-	1	30	5	45	18		4	35	Ditto =
	6	20	2	0	30	50	6	20	*	-	~	30	15	45	15		4	39	0
	7	10	0	0	30	60	C	20	ما.لى			30	8	45	15		4	30	D
<u>-</u>	8	0	0	10	50	40	_	20	8-	_	1	40	15	35	15		4	32	Decomp ferry shale
	700 969	20	0	0	30	90	c	20	Br	1	1	40	10	70	25		<4	35	Broom sandy sitisting
· 												10		1	25			72	becomp. Shale,
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	700970	100		_	_				BLI							 			
i						\vdash	- 1		Plak	~	_	_	190	2	180		6	65	Karinya shale ok in road cutting
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REAMBOSP	FCT Keri		. 5	عاصا	.		S.	LIPE.	F Marie	**					4 4		6 : X	SEOL (No. B 00 () OGIST T. E. H. DATE Time 178 YSED BY AMAGA
Grid	4.			Compo					ple		ledroci				tel Cont				
o-ordinate	Sample No.	Rock %	Organic %	Send %	* # # #	Clay %	Seil Horizon	Depth cm.	Coleur	Susprep	Con-	Est. Depth te	Pb	Zn	Cu	Ag	u	SEINT C.P.S.	Geological observations
ma	700971		0	0	40		C		₿ _T	•	/	40	22	28	10		4	50	Desarge shale (?)
	2	0	0	0	50	50	C	20	"	_	1	50	38	22	25		6	50	1. /
E-> N	3	10	0	0	40	50	C	20	de la	_	/	40	42	160	42	_	6	39	De come carto shele.
and h	4	10	0	0	40	50	c	20	g-	_	/	40	2.5	210	38		6	45	Descomp state.
toral = 50.	5	0	0	0	40	60	<u>U</u>	20	Br	_	1	60	32	100	20	····	4	44	Ditta
	6	0	0	0	40	60	C	20	<i>"</i>	_	1	60	<i>55</i>	125	28		4	40	
	7	20	0	0	40	40	C	20	þ	_	1	40	100	190	9 5		8	50	Decoras carb. shale
		20	0	0	40	40	۷		a.i.s.		1	40	15:	180	20		14	40	Descriped shale
· .	<u> </u>	10	0	0	50	40	C	20	8-	_	/	30	28	100	48		6	42	Petto
	700790		0		1 -	40		20	11	-	1	30	5_	34	12		4	40	Derong shele
	<u> </u>	ľ	1	Ŧ '	1	1 :	I :	20	11	-	<u> </u>	30	iz	35	25		4	40	
	70094 2	IG	0	0_	50	40	۲	20	*	-	V	30	8	20	12		~ 4	45	Decomp silestone
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PLAN REFE	RENCE 7	<u> </u>			: ?%.	ata.,			A		********		****		And the second			ANAL	YSED BY AMDEL
Grid Co-ordinate	Semole		Soil	Compo	psition			Sar	mple	13 = 147 101	Bedroc	k	2.434.7.7	N	Aetal Con	tent in p	pm,		
	No.	Rock %	Organic %	Sand %	Silt 🛠	Ciey &	Soil Horizon	Dept.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	u	SCAUT C.P.S.	Geological observations
Karinga	700983	0	0	10	60	30	1			_	1	30		40	7		6	45	Decomo silestono
Line 4	4	0	0	0	60	40	C	20		_	V	30	230	80	50		6	52	Ditto
E+W.	5	_	a			50			_	-	1	40	120	65	38		6	45	Decomp. cart shale
Semple	6	20		1		40	1			<u> </u>	~	20	8	28	8	<u> </u>	4	50	De sono shale.
hotarvel	700987	10	10	20	30	40	C	20	B	-	<u>/</u>	30	10	30	18	<u> </u>	4	48	De sondy sikstone
= 50	-	┼	┿	┼	 	<u> </u>	<u> </u>	<u> </u>	—	 		<u> </u>	ļ		<u> </u>	ļ			
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AREA/PROM PLAN REFE	RECT	To:	er ik	<u>/</u> :	50 i	700	*********	S	AMPL	E Nos.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100 persenta.			******************		•••		OGIST FE.M. DATE June 78 YSED BY A MDEL
Grid Co-ordinate				Soil (Compo	sition			San	nole		Je droc	k		М	etal Cont	ent in pp	MM.		
Co-promete	Sample No.		Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cealed	Est. Dupth to	Pb	Zn	Cu	Ag	и	Sant. Cirs.	Geological observations
emous	700 98	K	10	0	0	50	40	ے	20	*	ŧ	•	4 0	15	22	20		4	30	Decomp siles some
.me 5		9	20	0	0	40	40	C	20	Br	1	/	30	13	35	22		6	30	Desono shale
E+W	70099	0	20	0	0	50	30	C	20	de L darkgan	į	/	30	18	30	55		6	33	Deone carb shale
Sample		1	0	0	0	50	50	C	20	8- 1	1	/	30	22	65	55		4	30	
ht. = 0		2	0	_			50		20	8-		1	30	30	65	40		<4	38	
		3	<u> </u>							bek.	١-	✓	40	22	15	15		4	40	Decome cart shalo
i		4	5	0	0	55	40	C	20	8-	*	1	50	22	15	10		6	35	
-	70099	15	0	0	20	40	40	6	20	% -	-	/	40	8	15	10		4	35	Decemp sendy silestone
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	Endunda ECT Kori ENCE Total						****	- T							G LED		****	GEOL	Page No. No. B 60 OGIST TEM. DATE Time 78 YSED BY AMDEL.
Grid			Soil (Compo	sition	<u> </u>		Sar	nple		Bedroc	k		M	etal Cont	ent in p	om.		
-ordinate	Sample No.	Rock %	Organic %	% pues	Silt &	Ney %	oil Iorizon	Depth cm.	Colour	Outcrop	Con-	st. Septh to	Pb	Zn	Cu	Ag	u	Seat.	Geological observations
P34444	700996	0					6	20	or	-	/	50	18	30	25		6	26	Decomp sitestone
- 6	7	D	0	0	50	40	<u>C</u>	30	B	_	1	60	18	28	22		24	24	Stycke colors, for on toy of inputable
<i>→1</i> /	8	20	0	0	50	30	0	30	g-	_	1	60	10	15	15		<4	28	Dista
ale Int.	9	20	0	0	50	30	C	30	Br	_	1/	60	18	30	18		24	32	alente siletono silve Ly
50m	701000	20	ص	0	50	30	ے	30	B-	-	~	60	10	25	15		4	25	Calenda sile & clay.
	700 744	Ø	0	0	50	50	C	30	e~	<u> </u> -	1	60	28	55	28		4	33	Decomp. shalett
	5	10	0	0	60	30	C .	30	R-br	<u> </u> -	~	50	22	32	15		4	28	De sony silestone
	700146	0	0	0	60	40	6	30	8	-	1	60	15	32	15		4	25	Silve clay from above colorate lay
			<u> </u>	<u> </u>		<u> </u>			<u> </u>	_	_				<u> </u>		ļ		0
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TENEMENT.	Eghunda Barr Keni	<u> </u>	٠,	.3£!		**********			GEOC	HEN	HCA	L SO	IL SAI	MPLIN	G LED	GER		D.P.O.	No. B0011
PLAN RÉFEI	PECT Kani	-7	!:.4	00	W	Phot	5/ L./\$\$4	SOL.	£ No.		*********				*************	*********	••••		OGIST TEM DATE THE '78 YSED BY AMDEL
Grid Co-ordinate	Sample		Soil (Compe	eition			San	nple		Dodrac	k		M	etal Cont	tent in p	om.		
	No.	Rock %	Organic %	% pues	8:1: %	Clay %	Soil Horizon	Depath cm.	Colour	Outcrap	Con- cested	Est. Depth to	Pb	Zn	Cu	Αg	и.	Scint C.P.S.	Geological observations
lorniya.	700747	0	0	0	60	40	U	20	B	-	1	30	15	9 2	12		4	35	De como silestone
<u>. 0 7 _ </u>	8	0	0	0	50	50	6	20	2	_	/	10	35	60	28		4	40	Decomo shale
E+V	1	20	0	0	40	40	ے	20	Br	_	1	20	15	55	15		8	45	Desong. carb. stale
engle üt.	700 750	0	0	0	50	50	4	20	B	-	1	40	28	80	40		4	39	Detto
= 50	630368	0	C	0	50	50	4	20	,,	_	1	50	18	40	20		4.	40	Decomp. shale.
	,	0		1	40	60	2	20	"	_	/	50	18	35	25		24	35	
	630370					50	C		- /1	-	1	60	28	75	28		4	34	fo
			ī	0				20	"	-	1	م	18	50	20		4	40	
	1 2	0	_	0		50		20	••	-	1	60	18	35	20		4	34	Decomp. carb. shale
	630373	20	0	0	40	40	6	20	"	-	/	30	15	30	15	ļ 	4	34	Decomp. carb. shale Decomp. shale
	(3)	<u> </u>		<u> </u>	<u> </u>					-	_						<u> </u>		
	630374	100	-	-	-	-	7		R-gr	V	-	-	95	150	90	<u> </u>	10	48	,, , , , , , , , , , , , , , , , , , ,
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<u> </u>	 -		_		 				<u> </u>	 - -				<u> </u>	-		· ·		Oc in creek bed 50 Sep 630 372.
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Grid Co-ordinate	Sample No,	Soil Compesition						š	nple	Bedrock				M	letal Con	tent in p	pm.		
		Rock %	Organic %	Sand *	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outerap	Con-	Est. Depth to	Pb	Zn	Cu	Â	u.	Scins	Geological appervations
Selenya.	630375	0	0	8	60	40		_	R	_	J	40	15	50	20		<u>~</u> #		Decong silestone.
ine &	6	20	0	0	40	1 -		20	Br	-	V	30	12	80	22		6	42	
→ SW.	7	20	0	0	40	40	2	20	₽-		/	30	12	42	28		6	42	"
uple lut.	- 8	0	0	0	50	50	ت	20	11	-	1	10	15	140	. 25		4	38	. п
50 _m	9	+**	0	0	40	30	4	20	11	_	/	30	15	125	15		4	34	Becomp. stale
· · · ·	630340	مع		0	T	50	6		F.	<u> </u>	/	40	42	35	28		4	40	Decomp. carb. shale
		20	0	1		50	C	-	8-	-	/	40	48		45		4	35	Dieto '
	630 382.	0	0	0	140	60	6	30	6-	-	V	60	18	45	28		4	30	Decomp dale
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\$\frac{3}{6}\$ \$\frac{1}{6}\$ \$\	Grid c-ordinete			Soil			*	20m	ě		9	7	5	Ph					1	
59			1	ŏ	+	1	-			_	Ont	000	-							1 /0\
+V 5 5 0 0 45 50 C 20 1 60 10 15 15 4 38 Decomp Late (?)	ringe	630383	0	0	1	1	1 1				-	1	_							T - 1 3
1 0 0 10 50 40 C 50 " - 1 60 12 12 12 C 4 35 10th transport soil 50 7 30 0 0 40 20 C 50 " - 1 70 15 10 8 4 40 Recting soil of transport s	9	4	0	-	1						_	0							+	
7 30 0 0 40 30 C 50 " - V 70 15 12 12 4 48 Decomp shale. 9 20 0 10 40 30 C 50 " - V 70 15 10 8 4 40 Politory period cirl side from 6 30387 0 0 20 50 30 C 30 " - V 60 8 12 12 4 40 Recomp sendy cirl side from 6 30387 0 0 20 50 30 C 30 " - V 60 8 12 12 4 40 Recomp sendy cirl side from		5	1 5	0	1	1		1									1		1 -	Γ
\$ 20 0 10 40 32 C 50 1 70 15 10 8 4 40 Reck transported with jums 63038.9 0 0 20 50 30 C 30 1 60 9 12 12 4 40 Decomp sendy substitute	•	7	30	0		$\overline{}$										12				Decome shale
(30387 0 0 20 50 30 C 30 r - 1 60 8 12 12 14 40 Becomp such sidestra	- 50 h		+	+	+=-	T	τ		T	,,	-	7	_			8		4		Prob. trans paged soil with farmy sileties
		630389									_	1	60	8	12	12		4	40	Become sendy silectors (?)
															-				<u> </u>	, ,
				↓_	_	<u> </u>	<u> </u>	ļ	<u> </u>	<u> </u>		ļ				<u> </u>		ļ	 	
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PLAN REFE	PECT	Mar. C		1:5	000	- 74	abe.	. Andel	M. S.			*******			a de la composição de l		ę. • • • • • • • • • • • • • • • • • • •	ANAL	YSED BY AMDEL
Grid Co-ordinate	Sample		Soil (Compo	eition			Sam	vpie		ledroc			M	etal Cont	ent in p	pm.	1	
,	No.	Rock %	Organic N	Send %	2 × ×	Cley %	Soil	Depth cm.	Colour.	Outcrop		Est. Depth to	Pb	Zn	Cu	Ag	Ü	SCINT C.RS.	Geological observations
Karinya	630390	10	0	0	60	30			g.	-	/	40	10	35	15		4	35	Do come solt stone
Line J10	71				Г			20	"	_	1	40	10	40	15		4	34	Ditto
ETU	630423	0	0	0	40	60	2	20	n	-	1	40	25	20	18		4	10	Decomp. shale
Sund lat. = 50m	4	0	0	0	40	60	6	20	"	-	✓	40	4-2	40	38	ļ	6	36	Ditto
- 50 _m	5		0			50			"	-	1	60	25	55	38		4	35	(1)
	630426	0	0	0	40	60	2	20	"	_	1	70	22	50	32		-	30	4 (?)
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AREA/PROSI PLAN REFER A 1885	RENCEZ	h.ye	<u>. /:</u>	500	<i>V</i>	92 PH # 92 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A			E NOS.		de des associ	*********	***********	**********					SED BY AMDEL.
Grid Co-ordinate	Sample No.	*	Soil (Compo		×	zon		nple Ž	8	edroc	£	Pb	Zn	etal Cont	Ag	pm.	Sent	Geological observations
Kenjana	630427	8	ě O		* iii			the Care		Outer	\$ \$ \$ \frac{1}{8}	So.	12	25	28		~ #	C.P.S.	De como silestone (?)
Karinya Line 11	8	0	0	0	60	40.	C	20	"	-	1	30	15 15	25	22		6	32	De comp sitestone (?)
E->N Sungle Int.	630430	0		$\overline{}$		30		20	"	-	1	30 20	15	20	10		4	32	1,
= 50m.	2	0	0			60		20	4.	-	1	80	18	45 38	20		<4 4	3 <u>7</u> .	Decomp. Shale (?)
	3	0	0	0	40	60	c	20	,,	-	/	80	18	40	20		4	30	U
 	630434	0	0	0	40	60	<u></u>	20	"	-	/	40	18	35	12		4	40	Hecong. Silks tome
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Grid Co-ordinate	0		Soil	Comp	osition			San	nple		Badroc	k		M	etal Con	ent in p	om.		
Coordings	Sample No.	Rock %	Organic %	Sand %	Silt %	Clay &	sail Forizon	Depth cm.	Colour	Outcrop	Seeled	Est. Depth to	Pb	Zn	Cu	Ag	u	SCANT C.P.S.	Geological observations
Kerinya.	630435		_			40			B	_	1	50	22	60	55		4	40	De comp. silvatine.
Line 12	6	1	1	0	40	40	C	20	į,	_	'	50	15	42	20		~ 4	40	Derong shak
E'+W	フ	0	0	0	50	50	-	20	"	_	1	50	18	45	22		6	42	
Sample let.	8	20	6	0	40	10	C	20	"	_	1	50	25	80	28		4	42	
Som	7	40	0	0	30	30	ے	20	Hed	_	V	25	<i>5</i> 5	70	70		6	50	Decomp. cal shale
	630440	0	0	0	50	50	C	20	Br	_	1	40	22	45	22		4	35	De corres shale
	6	•			I	i		20	Br	-	1	804	15	45	28		6	40	Prob. alluvial goil & milestine pe boles
	I .	1			-	30				-	/	8C+		30	20		4	35	Prob. transported soil & ilestone.
								20		-	1	50 +	10	35	20		6	34	
<u>.</u>	6.30444									-	1	30	22	45	18		6	50	
	630445	10	0	0	50	40	4	20	"	-	/	40	12	18	15		4	44	De corp silestone
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Grid Co-ordinate	Samole		Soil	Comp	oei tion			Sar	npie		Bedroc	k		М	letal Con	tent in pp	om.		
	No.	Rock %	Organic M	Sand %	Silt %	Clay %	Soil Horizon	1 0 E	Colour	Outcrep	Con-	Est. Depth to	Pb	Zn	Cu	Ag	u	SCINT.	Geological observations
Kerinya	630472	0	0		_			20		-	1	50	65	140	35		6	42	Decomp sitistine
Line 13	3	I -		1		1 -	1	20	ł	-	~	30	250	550	60		12	50	Decorge carb. shale
E-N.	4	30	0	1	i	1 -	1	20	,,	<u>:</u>	_	30	70	160	50		10	58	Dette
Seaple had	5	30	0	0	30	40	2	20	364	<u> </u>	1	30	45	55	30		6	60	il
- 50m	6	0	0			T		20	_	_	/	60	28	45	22	<u> </u>	4	42	Decomp shale
	17		_	1		1	6	20	11	_	~	25	15	65	20	<u> </u>	< 4	40	Ditto
	8	+	Ø	-	20	T	C	20		-	1	25	18	70	95	-	6	38	V
	+	20	+			40	T		"			15	12	70	110	·	. \$	42	6
	630490		•		_	40		10	*	<u> -</u>	1	20	22	85	50	ļ · -	4	35	i.
			0		i	40	6	10	11	-	1	15	12	55	10	-	4	32	4
		10	_	, 		40				-	/	20		48	10		< 4	31	N
								20	†	-	1	40	20	38	15		4	32	n (?)
	630494	120	0	20	40	20	5	20	11	-		40	12	15	10		4	48	Decomp sanda silestone
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TENEMENT. AREA/PROS PLAN REFEI	PECT KAR	ing		5 L.	381 La		S	AMPL	GEOC E Nos.	HEM	ICAI	SOI	L SAA	APLIN	G LED	GER		GEOLO	Page No. No. 3 00 II DGIST TEM DATE THE 78 YSED BY AMDEL
Grid			Soil (Compo	sition			San	nple		Sedroc	k		M	etal Cont	ent in pp	m.		
Co-ordinate	Sample No.	Rock %	Organic X	Sand %	Silt *	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cested	Est. Depth 10	Pb	Zn	Cu	Ag	u.	SCINT.	Geological observations
Kerinea	630495	10	0	10	40			20	ľ	_	1	50	8	22	10		4	48	Decomp. silestone.
Line 14	6	0	C	T	1	40		20		-	V	80	18	30	15		4	38	Desay shale ?!
E →v.	7	0	0	0	60	40	C	20	"	A -	0	80	15.	25	10	<u> </u>	4	46	Dotto-
Simple late	8	0	0	10	60	30	<u>_</u>	2		_	1	50	10	25	18		4	42	Decomp silestone
= 50 m	7	0	0	20	60	20	2	20		_	1	30	10	25	12		6	66	Deter randy silestone
	630490	10	0	20	50	20	=	20	g,	-	/	30	12	25	12	 	6	52	Ditte
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TENEMENT.	Eudan	4	E,	٤. ٢	351	*********	ojim -								G LED			D.P.O.	Page No. No. Boott DGIST T. E.M. DATE J. 178
LAN REFE	PECT KA	کوری	/==. 	500	00	the	5	AMPL ASA	E NO3.	*********	• = • • • • • • • • • • • • • • • • • •		***********		***********				YSED BY AMDEL
Grid Co-prdinate	Sample		Soil	Compe	sition			San	nple		Sedroc	k		M	etal Cont	tent in pr	o r n,		
Co-promise	No.	Rock %	Organic %	Send %	Silt X	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cealed	Est. Depth to	Pb	Žn	Cu	Ag	u	Scint. L.P.S.	Geological observations
different &	63049	20	•	0	50	30	ے	20	Br	-	V	30	12	65	22		4	44	De somp shale.
ine 15	2	2.	0	0	50	30	c	20		٠ -	/	30	15	65	120		4	52	De somp shale.
E -> W	3	30	0	0	50	20	ے ا	20	le	-	√	70	140	205	55		4	40	Decomp cart. shale.
Semble but	4	20	v	0	50	30	2	20	N	-	1	30	12	70	40		Z.4	35	Title.
50	5	10	0	0	50	40	C	10	11	_	V	20	10	55	10		4	3%	"
	6	30	0	0	40	30	c	10	1,	-	1	20	8	55	. 12		4	42	Decomp shale
191	7	10	0	0	50	40	2	20		-	1	40	12	50	15		4	41	Dean shale
· · · · · ·	9	10	0	0	50	40	c	20	11	_	1	40	12	48	40		4	40	Ditto
·	7	30	,	0	40	30	c	20	"		1	30	150	120	110		6	42	*
•	630500	30	0	0	30	40	c	20	"	_	1	30	15	80	10		6	5-8	11
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	RENCE Ta	Mu		· 54.	do						100		أسروني ويسترونس	MPLIN			****	GEOL	No. BOOII OGIST T. E. M. DATE TAKE
Grid ordinate	Sample	Ì		_	osition	-	T	3.5	nple - ·		Bedro	****				tent in p	••••	ANAL	YSED BY AMDEL
	No.	Rock %	Organic %	Send %	Silt %	Clay %	Soil Horizon	Depth cm.		Outerop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	u	SCINT C.P.S.	Constitutions
mya.	752001	20	0	10	30			20	2		1	40		60	32		8	50	†
916		0	0	0	40	60	<u>c</u>	20		-	1	50	1	50	25		6	55	Decemp. siltstone
+W	3	0	0	0	50	50	c	20		_		50	38	38	55		6	55	Ditto
de	4	10	1	1	40				<i>w</i>	_	1	40	32	60	85		12	58	Decomp. shake.
rel		0	0	+	40		<u>_</u>	20	1.		1	40	28	55	90		12	50	Dello.
0	6		0		40				•	<u> -</u> _	~	40	28	95	25		6	52	Decomp cart shale
		0	_	1 -	50				er	_	1	50	22	65	30		4	45	De some shale
	- 3	0		0		, ,	1		Hor	-	1	60	28	70	75		6	45	Pette (?)
	752010	_	0	0		60			* •	-	<u> </u>	70	28	50	30		4	44	<i>(</i>)
	132010	0	0		40			20	0 "		V	70	60	45	70		6	44	Decome shale
	752012		0		60			20			2	70	45	18	38		6	44	
	172012		0	-	50	40		20	*	-	V	70	25	20	60		4	42	Dito Decomo siltatone (?)
	·					\dashv													!
											\dashv								·
						\dashv	_					\dashv							·
						\dashv	7		-	_		\dashv							<u> </u>
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Grid		KorXP.			osition	,		r.m.e.	nole				************	************		GER	····	ANAL	OGIST T.E.P. DATE THE '78
Co-ordinate	Sample No.	Rock %	Organic %	Send %	Τ.	7	Soil Horizon	Oepth cm.	Ė	8	Con-	2	Pb	Zn	Cu	Ag	u	SCINT C.P.S.	
Karinya	752013	1	1	1 -	T	30	2	20	1	-	/	30	10	95	18		6	44	
ine 14					T^{T}	30	1			-	1	30	8	62	18	T.	4	40	Ditto.
ETU	5	30			30	1	e		Bluk	_	/	10	80	120	5 5		6	52	
stample uternel=60	7	10		1	1	60			8-	-	✓ ✓	30 40	30 10	30	80		10	52	Ditte.
	752019			1					_	1	1	50	10	15	15		6	40	Desong shale Desong salestone.
<i>j</i> .										-	_	70	עו	'-			<u> </u>	94	beamp canty extense.
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	TENEMENT, AREA/PROSI PLAN REFER	PECT Ker		4	51	_le			AMPL	E Nos.						- 1. 2. · · · · · · · · · · · · · · · · · ·		••••	GEOL	No. BOOII OGIST TEM DATE THE '78 YSED BY AMDEL
	Grid Co-ordinate	Sample		Soil (Compo	sition			San	nple :		ledroc	k		M	etel Cont	ent in pp	m.		
1	Co-cramete	No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizen	Depth cm.	Colour	Outcrop	Con.	Est. Depth 10	Pb	Zn	Cu	Ag	u.	GANT.	Geological observations :
	Ť	752019	0	0							ı	1	30	12	25	15	•	4	30	Desony silestone (?)
	Karinga	752020		_	1	1			ı	1	-	1	80	12	30	15		4	30	Ditto.
	Line 018	1	io	0	Ю	50	30	c	20	11		1	60	20	<i>3</i> 2	15		~ 4	34	Decomp. silestone
I	E+V	2	0	0	0	60	40	٦	20	,,	<u> </u>	/	70	10	25	12		<4	30	Dette
	Semple ht.	3	0		0					A+	_	1	70	25	25	15	-	<4	32	Resomp. shale (?)
	= 50	4	0	_	1	; •	60			i	_	V	70		60	35		4	32	Ditte
		752025	0	0	0	40	60	C	40	R-br	-	1	70	18	35	20	-	4	28	h
				<u> </u>		-		<u> </u>							ļ				<u> </u>	
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Grid Co-ordinate	Sample No,	<u> </u>	Soil (Comon					*********	**********	***************************************			10000000000000000000000000000000000000	LEL	OGER .		D.P.O.	SGIST TEM DATE June '71
Maya.		*	75		osition	A			mple		Bedroc		T		Aetal Cons				
Maria.		Rock %		Sand %	Silt &			_		Outerop	COST	Est. Depth to	Pb	Zn	Cu	Ag	u	Semi C.P.S	Geological observations
519	752026		1 1		1	30		20	B	1-	1	90	15	35	15		4	24	Soil from above calcook layer
E+U	7		1 :	: 1	1	30		20	N	<u> -</u>	1	80	20	40	18		6	20	Ditto
imple ht.	8					30				-	1	80	18	32	12		~4	25	11
	752030	ان			1	70				-	1	80	15	35	18		6	24	įμ
300	12 2020		_			25		 		-	<u> </u>	30	10	28_	12		4	26	н
	2					40		30 30		-		9	18	30	15	ļļ	4	24	1
	752033		-			30		30		-		80	15	35	15		6	22	II .
		-18			TV	70	-	10	"	-		90	15	35	18		4	25	4
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AREA/PROS								3	•	i-		1 1			G LED	•		D.P.O.	8 DOO5 Page No.
N AN DETER									E Nos.			*********						GEOLG	GIST TEM DATE /7
A 2006	RENCETA	č8.9.		0000	?		- (3) 			·		n 1000 mari					· · ·	ANAL	YSED BY Z.C.
Grid			Soil (Compa	sition			Sex	Selection		ledroci	k		W	etal Cont	ent in pp	ım.		· · · · · · · · · · · · · · · · · · ·
Ce-ordinate	Sample No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Hori zon	Depth om.	Coleer	Outcrop	Con- cealed	Est. Depth to	Pb	Zn	Cu	Ag	Ni	SCINT CRS	Geological observations
Eugunga	694305	1							Br				7	13	41	<1	34	60	Time around many banked sibletone
Rack CHIP	806	/		1					ĝ-				7	7	55	4	27	45	Have barred sile stone
TRAVENSE 1	807	/							B				7	22	58	1	48	64	Vito will occasional banks of farmer bracise
chip per 510	504	J							Be 660				8	35	53	1	54	48	Finds level att silstone
	307	$\sqrt{}$							Brs Gr				11_	26	190	1	88	60	Breezietted silletone lishele, favores, in sorte
io n.	698810	1							bein				2	1	79	<1	9	96	this limenite bands alone hadding and joints
V→E	811								-3 %				5	5	130	1	9	62	first terminated sittstane with viry first turnit bounds along benefing & Colonies in
	\$12							L	W.K.				4	1	100	1	7	60	o fine a commit dark a ron fine hydrinia til mudeton
	8/3								G-				4	5	1100	4	16	58	Pourly socied gristy silestine with grown to Stein
	814								Gr				5	26	780	1	48	52	Hong bander grey sittstone
3 = 1 =	<i>£15</i>								6-				7	13	510	21	45	52	Ditto
	9.16	x			·				Gr	ř.			5	7.	11	41	24	50	Grea cardy sill stone
	817						<u>.</u>		Gr				5	11	40	<1	23	62	Making selfsing
	8.18								6				4	11	57	41	21	56	brutty silestone
	8.14								•				3	5	57	4	20	54	1 . 1
	698820								*				4	7	40	1	25	58	
94" 50	811							; ·			<u> </u>		7	11_	300	1	48	52	п
	827								ė				5	24	79		33	50	Wary bunded illstone
	823						Γ		-				2	1	250	4)	20	40	C))
-	324		100						Calb				4	17	64	21	33		Siltative (Sported in part)
	695 825						1 200	1		_	1		5	26		41	34	50	Date

PLAN HEFEH	ECT. EUR	UNDA						-			ICAL	SOI	LSAN	IPLIN	s LED	GEK	•••	GEOL	No. BOOOS DOOB OGIST T. E.M. DATE May 178 YSED BY Z. C.
Grid			Soil C	ompo	sition			Sarr	nple	6	edroci	k		M	etal Cont	ent in pp	m,		
Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Sit &	Clay %	soil torizon	Depth cm.	Colour	Outcrop	Con- cealed	Est. Depth to	Pb	Zn	Cu	Ag	Ni	SCINT.	Geological observations
EUDINDA	695726	1		- VI	<i>S</i>		V/	3.0	Brábe-				4	13	79	<1	17	54	Vuched giltations
OCK CHIP	827	1											4	9	48	<1		50	Web 1 siles tre
RAYERSE!	828	1							P 11				5	7	60	1		52_	Pour of Nove handed aibitare with come this liverity
(cond.)	829	V							μ te				5	19	30	1		58	hary backet aste sittistane
/	678 830	1							t ti				4	19	39	41		56	Pollo + come spotted in testine
	\$31	J							Gree				5	19	4-3	41		54	Which goes it to too with while sports ,
	832	1							ن				5	15	35	21	ļ	40	Ditto : più band offerone atale Pour ofe
	\$33	V							Gisbr				4	7	18	41		47	Electors & sandy silestone Pour ole
	834	-							_				_	_				49	No c/c . No sample
19:836	(835	V							br			 	7	17	38	1	ļ	40	0-27 No o/c. de relieft advect bothing to ve Sangle of o to therenite received to the backling
lation from	\$34	1		_			<u> </u>	<u> </u>	Br				10	28	300	2		54	Saugh of 5 - Character see sentile to better of
(us 435 interval	. 837	1							6-				22	64	/00	2		48	Coratty gill close. Poor ofe
	533	V				<u> </u>			Bakar		ļ	<u> </u>	13	64	28	<	<u> </u>	50	Book area combonaceous finely laministed, stor bedansit fout a fire limited beauty gradled to be delice
· _	5.38	1						↓_	• i.	<u> </u>	<u> </u>		6	78	31	11	ļ	50	Dito sading into shoully course wary bank
·	698 840								Crey	<u> </u>			24	170	51	- -	ļ .	50	Caminated sites bre
	841	1		<u> </u>		_	<u> </u>		n j	L_	1	<u> </u>	29.	74	94		 - -	40	Dillo Poor ok
<u> </u>		1	<u> </u>			<u> </u>	<u> </u>	_	hotes		<u> </u>		17	129	34	2	<u> </u>	42	Time haminated warm hed bed state
		V		_			_		ļ. ;,		_	<u> </u>	14	92			1	44	Ditto with some this benent be do Beerin
	844	1				<u> </u>		<u> </u>	Grey			_	19	164		2	 		Fell stone & Shake
		1						1	"		<u> </u>	$oxed{oxed}$	7	40		11			Wary banded gilas time
	694846								6				18	35	55		1.	52	V. and Of Sitesting.

AREA/PROS	PECT EUR	LND	A		•••••		S	AMPL	E Nos.	1. 1.	· ·				G LED		••••	D.P.O. GEOL	NoZ DGISTZ YSED BY	CM DATE May 175
Grid			Soil (Compo	eition			San	nple		Sedrac	k		M	letal Con	tent in pp	om.			
Co-ordinate	Sample No.	Hock %	Organic %	% pues	Sit %	Clay %	Soil Horizon	Depth cm.	Colour	Outerop	Con- cessed	Est. Depth to	Pb	Zn	Cu	Ag		SCIRT C.P.S.		Geological observations
	618847	/							Grey				10	125	22	2		46	Banded	silistore
rek Chep	848	\checkmark							Dark gr				11	100		1		46	Wavy bo	nded silestone
mare 1	849	V							4 19				10	81	28			48	Ditto	rded silystone Paper O/c
(ont)	678850	√			<u> </u>				à . **				10	81	39	1		48	<u>h</u>	11 11
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REAPROS	ECT. Eul	DUND	A		******	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	S A	MPLI	Nos.		••••••			***********	*		. GEC	DLOGIST TEM DATE May 78
	ENCE TR												•••••		pt-02-0-000		. ANA	ALYSED BY Z.C.
A 9494			C = 11.0	ompo	alainn			Sam	nda T		edroci	. 1	<u> </u>	Me	tal Cont	ent in ppr	n.	
Grid Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Sift %	Clay %	Soil Horizon	Depth cm.	Colour	8	Con-	2	Pb	Zn	Cu	Ag	501	Geological bolarvations
•	69985!			25	50			Q 5 	g.	-	<u>00</u> √	100	7	19	28	1	4-	2. Collevium from stream ind Fe-th-rich rock
AKANGU	552	100				-	-		8-	,		1	5.	11	17	<1	38	1
ork (-if	252	20	5	5	4- 5	30		-	2,-	-	<i>\sigma</i>	100	10	17	18	1	35	S Str sat (withully a soil some (c)
TRAVELSE 2	574	100			ĺ				& Gr	`	-		5	11	21	1	4	2 Prograded additione Bor Oje
in basest	815	100							» /,	1			5	9	150	1	41	6 Fine grained operlytone Ratherpar of
See Sem	856	1							H 10	/			5	17	4.5		4	Ditto Most rocks bransported
W-7E	857	1							$\mu = \eta$	/			5	13	90	1	5	O Ditto 1 " pob along stake
W / C	255	V							n ,	1			7	7	75	<1	4	6 Poorly sorted sandstone, Personalle of
	859	7							N /1	/			5	19	25		4	4 Poorly sould sends love and mession silegion
	698860	V							17 11	/			8	28	37		4	2 Poorly sorted genteters
: :	SCI								11 0	/			5	19	30	١		44 Ditto . give grained silestone
	562	* V							624	1			8	50	43	21	4	14 Timely laminated arboneccone shale
	563	V.							4	~			7	15	22	4		6 Gren silesters . Foor 1/2
	564	1							Dillo	1		<u> </u>	11	45	41	1	4	to Dark gon finely lavi aled sileston
	865	1					<u> </u>		Fr. Br	/		<u> </u>	7	40	27	1	4	44 bray silestine and brown sendy wary bented
is :	566	V							G. B.	v_	<u> </u>		11	42	33	1	1	12 Silsten & Shale
<u> </u>	567	1/			1_				s, ,,	V			13	61	30	1		38 Doto Parcole
va 1 Ref	5/5	V			-		 		" 1	/	<u> </u>		18	37	30			42 Ditte "
· ·	869	V			1	$oldsymbol{\perp}$			Gran	1	<u> </u>		7	50	42	2	T T T	40 Gray Commated sellstone
·············	19887C		<u>L</u>	L	1	<u> </u>			,, 3	1			10	52	66	2		12 Ken land & core- telled silestone.
	871	V		1_	j j				11,	V			10	30	15	12	4	1. 1 (Common Hay 11 & 700 739)

AHEA/PHUS PLAN REFE			30 <u> </u>	<i>[</i>	· · · · · · · · · · · · · · · · · · ·	***********	Notes .		GEO	CHEA	AICA	L SO	IL SA	MPLIN	IG LE	DGER		D .P.O	No. 80006
A 2004	RENCE 7	D.M. Rup	1.	500	£2	*************************	S	AMPL	E Nos	***********	**********	7 00000 1 100 		************	**********	************	******	GEOL	OGIST TEM DATE May 178
Grid Co-ordinate	Sample		Soil (Compo	sition			San	nple		Bearoc	k		N	fetal Co	ntent in p	oom.		
3 - 1	No.	Rock %	Organic %	% pues	Sitt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag		Seint.	Geological abservations
UDUNTA	618872	1							Great	1			7	38	20	2		42	The I I die to
OCK CHIT	873	<u>√</u>							, J	V			7	33		1		38	Laminal of silestone
RAVERSE 2	874	1							l:	V			5	28	28	1		46	Cross-bedded gib it
(Cont)	875	V							6. 6	1			4	13	18	1	1-	44	Name breest gill stone
-	878	Ļ							p n	/			2.	9	51	<u> </u>		46	Bunded sando sillatione
	877	/		\rightarrow					frey	1			7	35	70	1		42	Dit
	878	~							fore	1			_5_	24	27	1		46	Ditto Poor 1/2
	679 698850	V				-	-		+	/			_7_	31	46	1		46	Wary boried silestone.
	881	V /			-			\dashv	<i>h</i>	/	<u>. </u>		8	15	37	2	<u> </u>	46	Laminated sile store and shale
	882		-	\dashv			\dashv			/			7	22	26	1	-	48	Ditto
	883	* /	\dashv	-+	\dashv				"	1			5	24	39	1	-	49.	Poor of Dette
, i	884	<u>, </u>	\dashv		\dashv		\dashv	-	11	V			5	26	17	11_	 -	40	V. goor ofc "
	8.32	7		+			\dashv	-+	"	<i>y</i>			7	15	60	11	 	40	h ii ii
	844	J	_		-			-		/		\dashv	8	45	20	1	 	46	" " " Grey substiture
	887		\dashv			\dashv	\dashv		- å-	,		\dashv	4	19	49		-	40	M 195 11
	698888	V		1		_	+		- b-	'	+	-	4	7	27		-	48	Many bounded and come bodded seltstone
					1		_		-10	*			<u> </u>		~	 		46	Percele Ditto.
					7	1	_			\dashv							<u> </u>		
						\dashv	_			_	\dashv	+					-		
									-		\rightarrow	\dashv							

TENEMENT	Endend	a ufus	E . 1	34 ulton	B1 .	ea	S							MPLIN(GEOLO	Page No
LAN REFER	PECT Me RA	v /	50 6	po	P	rete	.m.	sai.	• (t !	hoto	. 19	30/0	716)			<u>.</u>	ANALY	SED BY AMDEL
Grid Co-ordinate	Sample		Soil C	onipo	sition			Sar	nple	E	Bedroci	k		M	etal Cont	ent in ppr	m		
	No.	Rock %	Organic X	Sand X	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cealed	Est. Depth to	Pb	Zn ·	Cu	Ag			Geological observations
redunda	752034	1							Great	>					25				Grey silestone te-stained in part
and china	5	1							Res	V					70				Detto, ferrige & bracciated in part.
ine 3	6	1							. 4	1					32				Ditto, gossanous & brace, in part.
/→E	7	1							Gray	1					60				Come siles tone famue a sandy in par
Ichip per	8	1							"	V					60				Gray aminated silectone K-beday
a based		1							R-gr	J					85				Siltstone, Fe-stained Esandy in par
wery som	757040	7							Gren	V					75				Silestone, Fe-stained Geaudy in par Carb. silestone, + minor to-gte vine
1	1	7							Rac	1				ļ	260				Pour o/c As above Grey earle. Shale + minor Fe-glaveing Greg gill stone:
10	. 2	1							Car	V				<u> </u>	210				Grey carb. Shale + minor Fe- gtaveins
	752043	1					L		,)	1	_	<u>.</u>		<u> </u>	270				Gray silestone !
	752044	/							/(1					100				Dotto.
														 					
· · · · · · · · · · · · · · · · · · ·														<u> </u>		ļ			
												<u> </u>							
											1.		<u> </u>	 				-	
											<u> </u>	1.		1		<u> </u>		↓	
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	Endud						••••							APLIN	G LED	GER		. No. 8 0014 Page No.
AREA/PROS	PECTMs	with	5	.H.sall	47.6	: .::::	S	AMPL	E Nos.				······································	*********		************		OGIST T.G.M. DATE July 171
LAN REFE	RENCET			5000		<i></i>		-	(,±!	~ <u>~</u>	DS:	10:6	/	*****			ANA	LYSED BY AMDEL
Grid Co-ordinate			Soil	Compo	sition			Ser	npie		Bedroc	:k		M	etal Cont	ent in ppm,		
Colorainate	Sample No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horiz on	Depth cm.	Colour	Outcrep	Con-	Est. Depth to	Pb	Zn	Cu	, Ag.		Geological observations
R.C. 4	752045	100				•	,,,		Black	1					45			Finely laminated care shale
J-> E	6	100							h	7				-	28			Ditto with fine linearity bands after
emple Int.	7	100							*	1					28			Ditto
10 m	8	100							Parker	1					50			Shale & determities it stane (Por
	1	100							4 ,	1					110			Ditto
	752050	10	0	0	60	30	U	20	Br	-	J.	60			20			Soil sample (No 0/c) De comp sile
	. /	100							Gree	1					170			Editation Fe-stained in part.
-	2	100							// 3	1					32			Gilts tone
	3	100	_	<u> </u>					4	1	<u> </u>				32			h
	4	100						L	*	1	<u> </u>				25			n e.
	5	14		ļ				*1	for br	<i>V</i> .					35			11
	6	100						<u> </u>	, ,	\/_			<u></u>		35			н
e -	7	100	<u> </u>	ļ					N 11	1					25	<u>.</u>		h
	8	100	_					<u> </u>	4 4	/					60			Silestone gandy in part.
	9	20	T					20		<u> </u>	/	50			28			Soil sough (No o/c). Decomp. s
-	752060	Ţ	1	T				20		-	/	50			25	•		Ditte
	 	10	0		50				N		1	50			18			De com ferry silestone
	4	0			50			20	н	-	\ <u></u>	50			18			Persone whatere
	3	10		0	50	40	[C	20	Ħ	-	V	60			28			Dette-

REA/PROS	PECT Mt I	ليل)	Putte	·H	124	S	AMPLI	E Nos				* . y*.	7.7		•		GEOLOGIST	BOOI4 TEM. DATE July 17:
Grid			Soil	Compo	sition			Sarr	iple		Sedroc	k	-	М	etal Cont	ent in ppr	n.		
Co-ordinate	Sample No.	Rock %	Organic %	% pues	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	₽b	Zn	Cu	Ag			Geological observations
wes	752065	0	0	0	50	50		20	R	-	1	60			25			De	comp. shale
Rufac	6	0	0	0	50	50	2	20	Br.	_	1	70			45			D	ite
<u>. 5</u>	7	10	0	0	50	40	_	20	10	_	1	60			150			Pe	come. silestone.
<u> </u>	8	10	0	0	50	40	ج	20	"		/	50			420			· Da	to the state of th
·	9		_	0	$\overline{}$	40		20	"	<u> </u> -	_	50			320			"	
	752070	10	0	0	50	40	c	20	//	-	<u></u>	50			360			*	(Ferry in part.)
·	1					40			"	_	Y	50			65			\mathcal{D}	itto
	2		1	1		40			//	-	/	50			18			<u> </u>	cong silostone
,	3	0	1	i	I	50			1.	-	1	50			20				Lette
-	4	2.		i		40			"	-	/	40			18				/h
	7	1D	•	•	ł	40			"	-	/	40		19	25			4	
	7	10	+-	•	1	50			61	-	,	50 50		· —	15			1	·
	9	0	+			40		20	"		/	50			<i>15</i>			- "	
	9	10	i i	0	1	1		20		<u> </u>	1	50			25	-		- "	
	752080		1		1	1			"	_	/	50			18			72	1 4
T.								20		-	1	7.			15		. 5.	1	comp sendy site stone .
	752082	0	n	0	40	60	2	20	11	_	1	50			10				to
	7.1	-							•									1 1	
	•																		

LAN REFER	ECT M+ R	nf.	! ! !:\$	200	er	rte :		lar'i	[Hee /+	ρĻ	.	1580	1016)				•••		OGIST TE DATE THE 78
Grid			Soil (Compa	sition	,		Sar	nple	i	ledroc	k		M	etal Cont	ent in pp	m,	,	
Co-ordinate	Sample No.	Rock %	Organic X	Sand %	Silt %	Clay %	Soit Horizon	Depth cm.	Colour	Outcrep	Con- cealed	Est, Depth to	Pb	Zn	Cu	Ag			Geological abservations
Lufus	752.083	40	c	0	20	40	C	20	Hack	_	1	30			50				Decomplant state.
··· 6	4	30	0	0	30	40	۷	20	Blad- b.		1	30			45				
l→E	5	30	0	0	30	40	C	20	Grape	_	1	30			70			<u> </u>	Decomy silestone.
we ht.	6	20	C	o	40	40	٢	20	Br	<u> -</u>	/	40			100	_			Dette
. 10m	7	20	0	0	40	40	C.	20	"	_	1	30			100			<u> </u>	11
		0	0	0	50	50	ے	20	//	_	1	40			60				4
	9	0	0	0	50	50	C	20	*	_	1	40		_	70				//
	752090	0	0	0	50	50	ے	20	"	_	1	40			80			<u> </u>	1/
	91	0	0	0	50	50	2	20	-	_	/	50			80				"
-	2	0	0	0	50	50	C	20	11	_	✓	40			18			<u> </u>	4
	3	10	0	0	50	40	c	20	1,		1	40			18				6
	4	*20	0	C	to	40	C	15	5	<u> </u>	/	25			20		_		11
	5	30	0	0	40	30	c	20	Grafer	-	1	30			20				4
	6	0	0	0	60	40	c	20	B-	_	/	40	_		8				<i>p</i>
-	7	0	0	0	60	40	۷	20	,,		1	40	ļ		25			<u> </u>	
- 4	5	20	-	0	40	40	c	21	11	_	1	40	-		20				Art of the second secon
	9	20	7	1	-	40	2	20	Gr-br	-	/	40			85	, , ;		<u> " :</u>	h
	752100	20	0	0	40	40	C	20	H 11	_	1	40			25				u
		l	1	ļ	l	l	ı	; .	1	1	i	1			1		l	1	·

AREA/PROS	Endura PECT Me N NENCE Tru	يبهيا	- <u>I</u>	ut.		74.	S	AMPL	E Nos.	******				******	G LED	· .	D.P.O. No. B 0014 GEOLOGIST F.M. DATE TALY ANALYSED BY AMDEL	/75
Grid Co-ordinate	Sample		Soil (Compr	osition		4.	Sar	nple		Bedroo	:k		M	etal Cont	ent in ppm.		To the
	No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con.	Est. Depth to	Pb .	Zn	Cu	Ag	Geological observations	
Me Rufus	752101	10	0	1		40		20	I .	+	1	40			25		Decomp. , hale	
hine 7	2	10	0	0	50	40	C	20	, ,	-	V	40			28		Dite	
SW-NE	3		0	0	50	40	C	20	a ,	-	1	40			60		· ·	
Grande lat	+	20	0	0	40	40	C	20	Black	-	✓	20			15		Decomp carb. shake	
= 10m	5	10	0	0	-			20	Br	_	1	40			75		Decome shale (?)	
.a. •	6	10	0	C			c	20		Ŀ	1	40			55		Docomo silestone	
	7	10	0		+	_	C	20	•	- 1	V	60			50		Detto	
	8	0_	0			50	C	20	"	'	✓	80		! 	60		1.	<u>. </u>
-	9	0	0	<u> </u>	60	_		20		<u> -</u>	V	90			65		e .	
-	752110	0	0		1		<u>C</u>	20	*	<u> </u>	1	60			60		и	
	1_	0	0		1 -	40		20	4	_	V.	80			50		lf	
4 ² - 22		0	0		50		C	20	•	-	V	30		_	40		H .	
	3	0			40	J		20	"	<u> </u> -	1	80			25		и	
<u> </u>	4	0			40		C	20	•	<u> -</u> _	1	80			25		4	
	5	0	0	0	-	50	С	20	4	-	V	80			15		16	•
	6	10			40			20	*	-	1	100			15		li C	• •
-	/	10			30		C	20	4	<u> </u>	V	100			25		Decomp sandy silestone	
	y		5		30		C	20	*	_	1	100			30		Decomp sandy silestone	
	7	10				40		20	•	_	✓	100			25		Ditto	7
	752120	20	0	0	10	40	C	20	6		V	100			35		1 1	

TENEMENT.	Endu	nda	<u> </u>	<u> </u>	. 3	8 j	••••		GEOC	HEM	ICAI	. so	IL SAN	APLIN	G LED	GER			Page No
REA/PROSI	ENCE TON	Kuf	us : 50	- L	lett. Note	en d Masa	MAC S	AMPL (+	E Nos. Plate	! 5	80/	016)		***********			•••		OGIST T. E. M. DATE July 17.8. YSED BY AMDEL
Grid			Soil (Compo	sition			San	nple		Bedroc	k		М	etal Cont	nt in pp	ım,	,	
Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cealed	Est. Depth to	Ръ	Zn	Cu	Ag			Geological observations
1+ Refree	752121	0	0	0	50	50	2	20	B-	_	V	50			48				Decory shale
ine B	2	0	0	0	50	50	C	20	11	ļ	/	50			40				Ditto
SU-NE	(3	0	0	0	50	50	0	20	"	-	√	50			45				A
mile Int.	(+	100							R.br	1					130				Ferry shale from of adjacent to 752/23
10-	5	20	0	0	40	40	C	20	Be	J	✓	40			65				Decome farry shale
	6	0	0	0	50	50	C	20	4	_	✓	40			40		· .	ļ <u>.</u>	De comp. silestone
	. 7	0	0	0	50	50	c	20	"	<u> </u>	1	40			55				Ditte
		0	0	0	50	50	c	20	ir	-	/	50			50			·	н
	1	0	0	0	50	50	C	20			V	60			95				н
_	752130	0	0	0		50	C	20	4	<u> </u>	V	60			40				4
	1	0	0	0	50	50	C	20	4	-	V	50			40				4
	2	0	0	0	60	40	C	21	4	-	V	50			40				ti
	3	0	0	10		40	C	20		-	1	50			180			<u> </u>	v
	4	10	0	†—	7	40	C	20		-	√	40			240			ļ	4
	5	10	0	0	T	40	10	20	4	-	V	40			130			ļ	
	6	20	1	0	40	40	C	20	-	=	1	40	L		150		<u> </u>	<u> </u>	t _i
	7	20	0	0	1	40	C	20	v	=	V	40		<u> </u>	95				
	9	20	_	30		20	C	20	R-b-	_	V	40		ļ	32	-		 	become sendstone (Fe-stand in p
	4	20	1 -	20		20		20	R		<u> </u>	40	<u> </u>		70	<u> </u>			Ditto.
	752140	20	0	20	40	20	C	20	п	_	V	40		·	60				Litte.
				l				L .				_						1.3	

1.34

ENEMENT	Endund ECT Mt 1	a 6 lufi	.L.	38 Du	!	Are	w. S/	(MPLI	BEOC Not	HEM	ICAI	SO	L SAM	IPLIN	3 LED	GER	,	D.P.O.	No. Bool4 No. Bool4 OGIST T.G.M. DATE Tuly 178
AREA/PROSP	ENCE To	J	1:4		<u> </u>	· Kan			(+ P.	Leta.	15.1	80/	914)	.,			,,,		YSED BY AMDEL,
Grid Co-ordinate	Sample		Soil (Compo	sition			Sem	ple	6	ledroci		 T	Mo	tal Cont	ent in pp	m.		
	No.	Rock %	Organic 9	Sand %	Sir &	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	cested Con-	Est. Depth to	Pb	Zn	Cu	Ag			Geological observations
1+ Refus	752141	10	0	•		40			Br	ì	\	50			60	· ·			De com terring. zilistine.
9		0	0	C	50	50	C	20	Br	1-	1	50			70				Desamo stato (?)
U+NE	3	10	0	0	50	40	C	20	Br		/	50			33	·		ļ	Decomp ferring silestone
ample he	4	10	e	0_	50	40	۲	20	H	-	<u>~</u>	50		:	40				Delta.
= 10 m	5	10	0	c	50	40	۲.	20	,		₹.	60		_	60				"
	- 6	10	C	0	50	40	۲	20	/	-	1	60		_	110				Derong. sile store
	7	10	0	0	50	40			"		1	60			60			<u> </u>	Ditte (Fe-stance)
	. 8	20		0		40		20	*	-	1	60			28		<u> </u>	 	Decony siltstone
	9	10	0	0	50			20	11	-	V	60			60	- -	<u> </u>	-	Ditt-
	752150		1	C	40			20	"	-	Y	60			60		-		7
		0	0	t	50			20	B-	-	V	50	·		50				Decomp silestere
	2	10		0	1	40		20	"	 -	/	50.	,						
	5	10	0	1	1	40	$\overline{}$	i	ingle-b	1-	/	50			60	<u> </u>			Decomp art shale
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0	†	0	20	20	1	20	2	-		70		<u> </u>	180				Decomp. siltstone
-	(2	100	+ -	+	6.			7 -	0	1	1	4.			55				Ferry citatine from adjacent of
<u>v</u>	-	10	0		7	40	1		Br	┢	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	40	-		100				Decomp silt stone
		10	0	7	7	40	•		De	-	17	40		-	48			 	Decomp silestone
•	9				T	T		20		-	1				38		<u> </u>	 	Ditto
								20		一	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	40		-	45		 	 	l'
	752160	/10	10	10	70	40	10	20		 -	'	40			479			+	

TENEMENT.	Estada M. O.	E	4.3	<i>\$1</i>					aeoc	SHEN	MCA	L 80	L SAA	P LIN	G LED	GER		Page No
AREA/PROS	NENCE TO	60		jaur. 5.e.e.s	esia. Per	Les.			4	* /	L.	/5%	o/en)	*************	***********		LOGIST TEN DATE July 178
Grid Ce-ordinate	Sample		Soil (Сотра	sition			Sari	iple		Bedroc	k		M	etal Cont	ent in ppm	1	
	No.	Rock %	Organic %	% pues	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	₽b	Žn	Cu	Ag		Geological observations
Mr Refre	752161	0	0	1	1 -	50			Br	1	1	80			32			Decomp. shale (?)
Line 10	2_	0	0	0	40	60	C	20	8-		V	80			50			Detto
5W-NB	3	0	0	0	50	50	6	20	M		1	50			30			4
Sangle let.	4	0	0	0	50	50	ے	20	"	<u> -</u>	V	80			25			· ·
= 10	5	10	0		_			20	1/	_	1	90			80			De comp silestone.
	6	12	0	0	50	40	ے	20	,,	_	√	80			150			Date
	7	0	0	0	50	50	C	20	11		V	80			70			
·	8		1	1	,,	T .		21	11	_	Ź	60			70			Desome ferrug silestone
	1	0	1	0	50	50	C	20	••	-	√	60			100			Becand silestone
	752170		1					20	100	_	1	60			55			Decomp favore intestone
	1	10		<u> </u>	T			20	"	-	V	10			55			Decome favores intestone
	2	0	1	T				20	^	_	/	60		·	60		<u> </u>	Decome rilestone.
	3	1	1	1 -		i ·			2-6	_	/	50			55			* ferry. "
	4	0	+-	1	1				à-	-	1	50			35			Derong sill tone
	5	0		0		Ī			11	-	V	60			30			Ditte .
	6	1		0	1		,	21	7.		1	50			30			h
		20	1	0				20	*	-	1	50			60			Deter perry sitestine.
	8	l l	1	1	1	1 7			R-br		1	40	-		30			Dette
· · · · · · · · · · · · · · · · · · ·	1	20	1						Or-b	=	1	40	Ŀ.		50			6
	752180	20	0	U	40	40	C	20	Br		/	40		·	55	-		Decorg. silestone.
		<u> </u>	<u> </u>	<u>L</u>														

1 9006	ENCE Tru	•		500	H.	Phat	(/? <u>></u>	101		(t	Phil	15	so /o (<i>(</i>)			ANAL'	OGIST TE M. DATE July 78
Grid			Soil C	ompo	sition			Sam	ple		edrock			· Me	tal Conte	nt in ppm		
Co-ordinate	Sample No.	Rock %	Organic %	% pues	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cealed	Est. Depth to	Рь	Ž n	Cu	Ag		Geological observations
H Rupy	752181	10	0		1	40		20	8-	-	V	40			35			Decong shale
ine 11	2	10	0			40	C	20	R.br	-	√	40			55			" faring "
N-NE	. 3	10	0		50			20	3	-	1	140		-	28			" shale.
emple /rt	4	10	C	0	50	,	C	20	Br	_	1	50	_		22			Desang silestone
10m	5	10	0	0	50	40	2	20	Rtor		1	50			40			" farring "
780	6	20	0	0	40	i		20	Br	-	1	50	:		35			" siltstone
	7	10	0	C	50	1	c	20	"		✓	60			28			Ditto
	6	C	O	0	50	50	c	20	"	<u> </u> -	1	70			25			+
	1	0	0	0	60	40	<u>c</u>	20	"	_	/	70			18			
	752190	0	0	0	60	40	C.	20	"	-	1	70			30			1,
		0	0	6	50	50	<u>c</u>	20	*	_	/	60			20			1,
	2	0	0	0	60	40	c	20	*	-	1	50			22			<u> </u>
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	4	0	G	0	Le	40	<u>c</u>	20	11	-	1	50			30			4
t	5	0	0	0	60	40	0	20	п.	-	1	50		ļ	25	 		11
ž.	6	10	C	0	50	40	6	20		<u> -</u>	1	60		<u> </u>	28		<u>:</u>	le .
	7	10	0	0	50	40	1	20	"	_	V	50		ļ	25	 		11
·	8	10	0	0	40	50	c	20	R-br	1-	/	50		ļ	20		· ·	Desong formy silestone
	9	10	0	o	50	40	C	20		-	1	50		<u> </u>	22			Date
	752200	2.	0	0		10	T	20	2	-	1	50			20			Decomo silestone
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AREA/PROS PLAN REFE	APROSPECT EURIADA LISOROD SAMPLE NOS.										D.P.O. No. BOODS GEOLOGIST TEM DATE No. 78 ANALYSED BY ZINC ORP.								
A 9005 Grid	Campia	Soil Composition			Sample			Bedrock		Metal Content in ppm.				m.					
Co-ordinate	Semple No.	Rock %	Organic X	Sand %	Silt %	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag	. •	C.83.	Geological observations
Francische	698623	30	9	40	2.0	10			8-		1	288						2:	Stone Sugart box 200
	124	20	<u>c</u> _	20	20	19		<u> </u>	8,-	<u>.</u>		266-		<u> </u>					i i i i i i i i i i i i i i i i i i i
	625	3.0	C	. 7.	20	40			3		<u> </u>	25.50						18	A 10 10 11
	626	70			5 K	.			130	<u> </u>	J.	10.5			_			36	" O's water
	f27	$\beta_{\mathcal{C}}$	C	40	20	10			Be		1	2690		ļ				30	p - A - A - A - A - A - A - A - A - A -
	628	40	0	75	20	/c		<u> </u>	3.	-	.,,*	2000	-	ļ	ļ		-	23	, , , ,
	121	3,5	2	40	75	10	1		3.	_	~	1017			<u> </u>			7,	r " 4
	698 635	40		20	20	10	<u> </u>	ļ	5,-		<u> /</u>	2 000			-	-		7€	
	63/	30		40	2v	10			5-	-	V	100		<u> </u>				42	
	632	40	1	1		10	\vdash	├	B-	-	<u> </u>	30	-		 			44	11 to an Old in Sound
· · · · · ·	633	50	1	2.€	20	10	-		3-)'- 	<i>V</i>	+		 	 			32 32	B
	634	40		7.	. £	10	- :	 	B-	-	V	La			-	 		34	
	636	40.	1	30	7.6		-	\vdash	8	1-	V	2004	 		 			40	
	636 637	40	_	23.5	20	10		 	2	-	 	28:	 	<u> </u>	-			40	
<u> </u>	638	 	+	+		iO		 -	Br	-		30				 		38	· Of in back
<u> </u>		45		1			 		Br		V	50		 				36	· O/ci. bo.k
	699 640	7 —	7	25	40	i -	-		Br		V	160		 			<u> </u>	36	* * *
		30		25	1	10		<u> </u>	Br	<u> </u>	4	ict+		 				40	i i
		i.s		1	:5	10		-	Br	1,			1	 		<u> </u>		32	N 2
:	698643	_	;	25	30	2.5			2		1	Jan	<u> </u>			†		30	A CONTRACTOR OF THE CONTRACTOR

AREA/PROS	PECT LUB RENCE Z	ynD.L	: ::	•••••••		* ** ** ** **	Ş	AMPL	E Nos.						G LED				OGIST	7.5.12	DATE	May 7	3
Grid		Soil Composizion					San	nple Bedrock		Metal Content in ppm.				нп.			****						
Co-ordinate	Sample No.	Rock %	Organic %	Sand %	Silt #	Clay %	Soil Horizon	Depth cm.	Colour	Outcrop	Con- cested	Est. Depth to	Pb	Zn	Gu	Ag		Sciet.		Geo:	logical obse	rvations	
Sir seda	698644	25	5	30	30				p',	4-	1	100+						30	Stream	· Salaha	1.1 60	ed sens	é
	645	25	1	25	7	1.3			Ex	-	1	1001						32	,,	11	•	20	
	646	÷ ;	<i>i</i>	4:	30	15			Br	-	1	:00+						30	"	۸	,1	B	
	547	25	5	30	5e	15		•	\mathcal{E}_{c}	*	$\sqrt{}$	1000						38	"		ļ:		·
	645	ą r.	ç;	7.5	٠.	•			ir	,	<u> </u>	108+						32	77	· ·			
	649	25	75	35		11			ý.	·	v	1600						30	μ	W	*		
	\$75850	25	ť.	30	20	0			ź	-	v.	100+						36	٠,	<i>.</i>	,	21	
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		<u> </u>	.	ļ		<u> </u>	_								·	<u> </u>		ļ				:	
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C.R.A. EXPLORATION PTY, LIMITED GEOCHEMICAL ANALYSIS

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

* Sample selected for routine check assay

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

						•	134		
Sample	Tray No.	Storage Bo	ox No. At	520 52	Localit	ty	ADELF	HDE	
Beaker	Tray No.	_Weighed by	y <u></u>		D.P.O.	<u> </u>	<u> </u>		4 A-
Date W	eighed	Date Comp	leted	<u></u>	A/c No	Bı	4 C12 C	G	
100 M	ie Samiple:	ing Santa.	ept			<u> </u>	Tray c	hecked 1	$n \square$
	rminations by				MING		· .		143
Check	ced by								9 ⁶ 1.0
	(50	Pb	20	Cu	11.	Co	C+	Mn	Q.
•	GROUND	ppm	ppm	ppm	ppm	ppm	ppm	ppm	PE
2	698634 +10	12	38	36	50	24	10	470	41
3	+2	2 33	83	77	160	40	80	GOO	4
- 4	+4	4 33	73	79	160	70	80	1070	4
_5	+6	。 35	67	70	150	75	40	940	4
6	48	s 43	77	95	130	72	40	780	4
1	-8	5 39	80	89	41	36	30	430	4
8	698635 +10	14	38	43	50	27	60	610	41
9	+22		49	84	130	63	30	1380	2
10	+66		30	97	190	140	30	1340	4
	+ 14	35	90	97	190	160	20	1170	4
12	*8*	5 27	67	140	100	88	80	130	4
13	-8	s 25	38	39	32	64	03	480	4100
	698636 +10	14	57	40	46	24	410	700	4
15	+22	17	35	54	72	36	410	7540	4
16	+4	4 21	35	69	88	60	10	940	4
17	+ 40		30	52	74	<u>50</u>	20	310	4
18	+ 8:		67	40	46	36	40	360	4
19	- 8:	5 15	38	33	29	20	40	430	4
20	698637 +10	15	30	49	43	20	40	660	4
21	122	17	35	45	64	87	40	780	4
22	+ 444	21	132	52	69	36	10	240	4)
23	+60		35	52	67	37	20	750	۷\
24	+85	25	27	43	52	29	20	590	41
-25	-85	31	49	41	34	31	40	SID	4
-76	698638 +10	12	27	43	44	13	40	530	4
27	+22	23	38	64	88	26	40	900	4
28	+44	25	38	70	120	65	20	1000	<u>دا</u>
29	+60	23	46.	55	79	48	80	780	41
30	185		61	49	57	36	10	590	4)
3/	- 85		46	33	29	16	410	430	21
32	698639 110	19	46	52	64	<u>م</u>	30	700	4
33	+22	23	67	41	77	29	40	930	4
3և	*44	25	73	44	85	33	60	570	41
• 1		27	83	49	97	36	80	7,40	41
35 36	+85_	27	50	45	91	36	150	750	4
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C.R.A. EXPLORATION PTY. LIMITED GEOCHEMICAL ANALYSIS

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

Storage Box No /1520-52/ Locality ADELAIDE Sample Tray No. B 0005 _D.P.O. ___ _Weighed by __ Beaber Tray No ._ 814 C 12G Date Completed ____ _A/c No. _ Date Weighed .. EXCEPTION TO Tray checked in SHAPLE S NORE: ALL Determinations by Checked by Ag Cr, MAL TW, Co, ppm Ce, Pb. ፟፟፟፟፟፟ ppm pp pps ppm ppa ppm UNCRISHED M₅C 80 19 698623 110 250 52 59 52 22 + 22 3 4 20 43 20 4 +44 49 20 460 5. - 80 fraction 4 ጆሪ 17 4~ 30 +85 DAM results 23 46 630-85 1 5 2.28. RC 16 42 22 698 624 + 10 1... 37 64 9 + 22 41 560 60 36 26 +44 10 4 42 41 44 19 + 60 H< 1 320 + 85 41 24 - 82 14 13 47 E 698625+10 20 14 22 22 +22 15 66 54 22 + 44 16 20 + 60 26 + 85 19 41 85 29 76 8 2.80 C. 22 4. 42 698626 +10 15 22 + 2Z 21 58 44 22 22 + 44 59 23 20 58 160 2C 44 **ል**ଛ +85 24 44 18 25 115 - 75 (435, 2,170 18 36 34 20 ⁄29 698627 + 10 **48** 42 46 +22 R6 28 28 **2**4 + 44 29 20 42 31 +60 12 190 34 63 18 18 30 +85 16 190 31 14 <u>ፍ</u>ፖ Pb = 2235 Cu12-85 R 15 32 698628+10 25 33 50 59 t 22 34 36 +44 50 39 26 **Q6** -BU (DAM 195 2n 60 GUZ54

* Sample selected for routine check assay

GEOCHEMICAL ANALYSIS

routine	check ass	rà 7		77.00 77.00									
Sample	Tray No	Sto	rage Bo	x No. [45]	20-521	Localit	y/	PDEL	RIDE	-			
Beaker	Tray No.	20Wei	ghed by			D.P.O.							
Data We	eighed	Dat	e Compl	eted	A/c No								
Horse	i. ALL	SAMBLE	# 3	Exce	07 C	+10#	·	Tray ch	ecked in				
Deter	minations	оу											
Check	ed by									1 1			
	OHCRIS	Cients.	Pb	Z, ppm	Cu, ppm	Mi ppm'	Co, ppm	Cr.,	bhe 'Mul	AG,			
a	6986		12	36	36	50	24	60	490	4.1-			
3	4.	+22	31	150	85	140	81	70	710	2			
4		+44	32	විති	68	140	65	30	950	18.4			
5	*1	+60	34	74	70	140	78	50	890	11.1 d			
6	Ps 2	a + 85	37	62	58	100	67	40	760				
7	12,8 70,35	25,20 - 85	36	59	35	41	24	30	460	< \(\)			
8	6986	35 + 10	13	39	41	50	26	60	630	1			
9		+ 22	29	56	68	140	110	80	3400				
10	44	+44	73	98	93	130	100	30	1860	a			
1		+60	36	100	91	180	160	30	1220	<u>a</u>			
12		+ 85	25	47	58	192	86	40	790	1			
13	10 17	15 - 85	29	39	33	33	22	80	480				
14	698	636 + 10	15	31	36	45	33	10	סובן				
15		+22	16	33	41	52	22	80	490	41			
16		+44	19	33	61	83	63	10	80	1			
17		+60	19	25	44	68	01	80	840				
18	7 2	L +85	36	75	32	45	28	10	560	1 1 1 1 1 1			
19	10 17	25 - 85	16	33	27	131	50	130	1440				
20	698	637 + 10	13	31	45	41	20	80	560				
21.		+ 22	16	83	141	54	34	1610	810	<u> </u>			
22		744	17	185	45	166	42	1710	680	41			
23	-	+60	20	183	48	123	40	10	860	<1			
24	 	+ 85	22	113	32	47	36	1610	1490				
25			28	150	32	135	24	110	510	 			
26	69	8638 +10	13	33.	39	43	80	110	530				
27		+ 22	20	42	61	83	53	to	610	#			
2.8		+40	22	136	64	76	63	180	480	1 1			
29		+60	20	136	54	78	131	30	1870				
30		+ 35	20	42	38	54	138	130	580				
3/	70 17		17	47	26	191	180	170	440	++-			
32		8639+10	19	150	48	63	30	130	1510	1 1			
33		+28	19	62	30	178	82	60	560	4			
34		+44	22	78	33	181	35	60	920	1 1			
28		C. +60	25	53	41	197	42	Hac	540				
196	29 55	32 /- %	123	175		77	130	ling	חרוי				

Sample selected for routine check assay

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

	Storage Box No AS20-52/Loca	14ty ADELHIDE
Sample Tray No		· KONOS
Beaker Tray No	weighed by	DILLE 12 G
Date that about	Date CompletedA/c	NO.

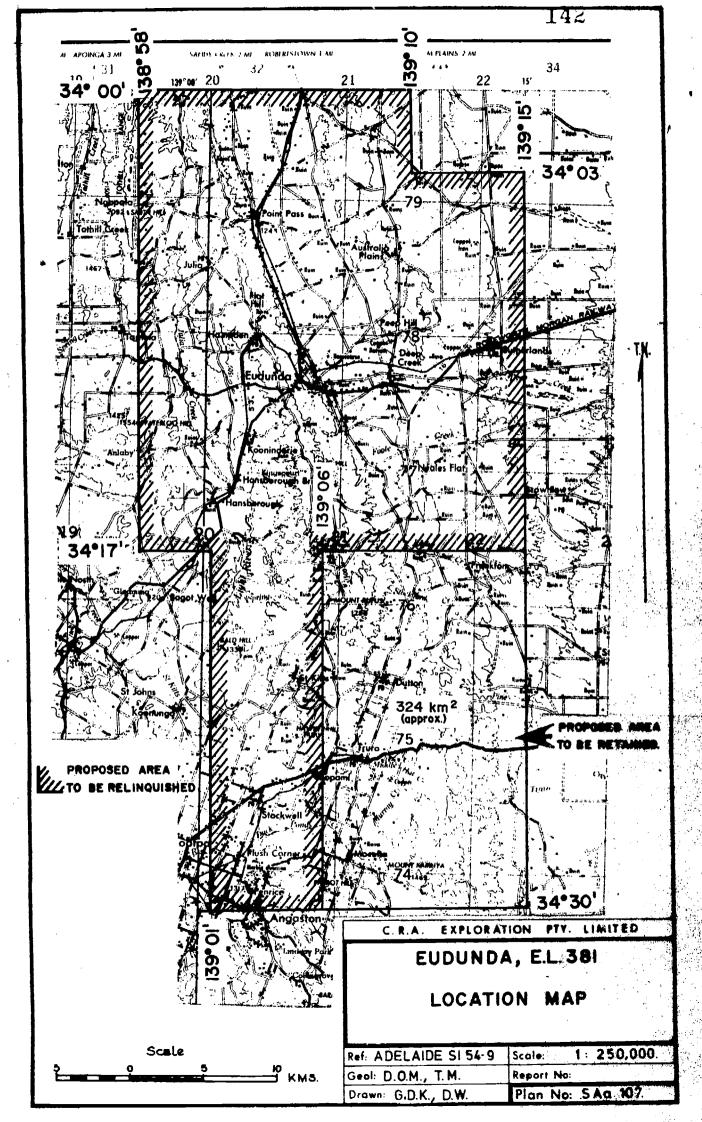
C.R.A. EXPLORATION PTY, LIMITED GEOCHEMICAL ANALYSIS

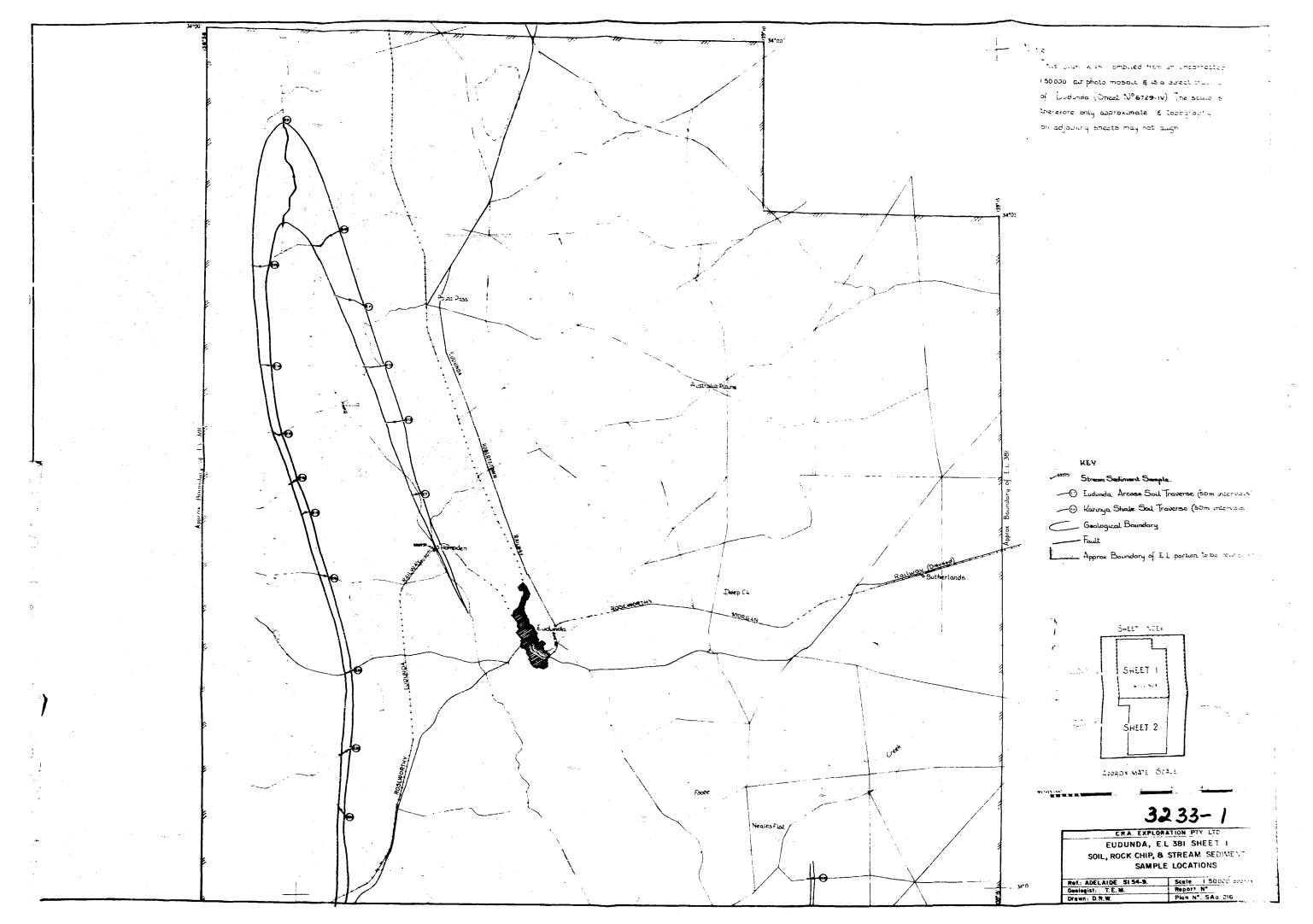
Sample Tray No. Storage Box No P520-52 (ocality ROFL HIDE

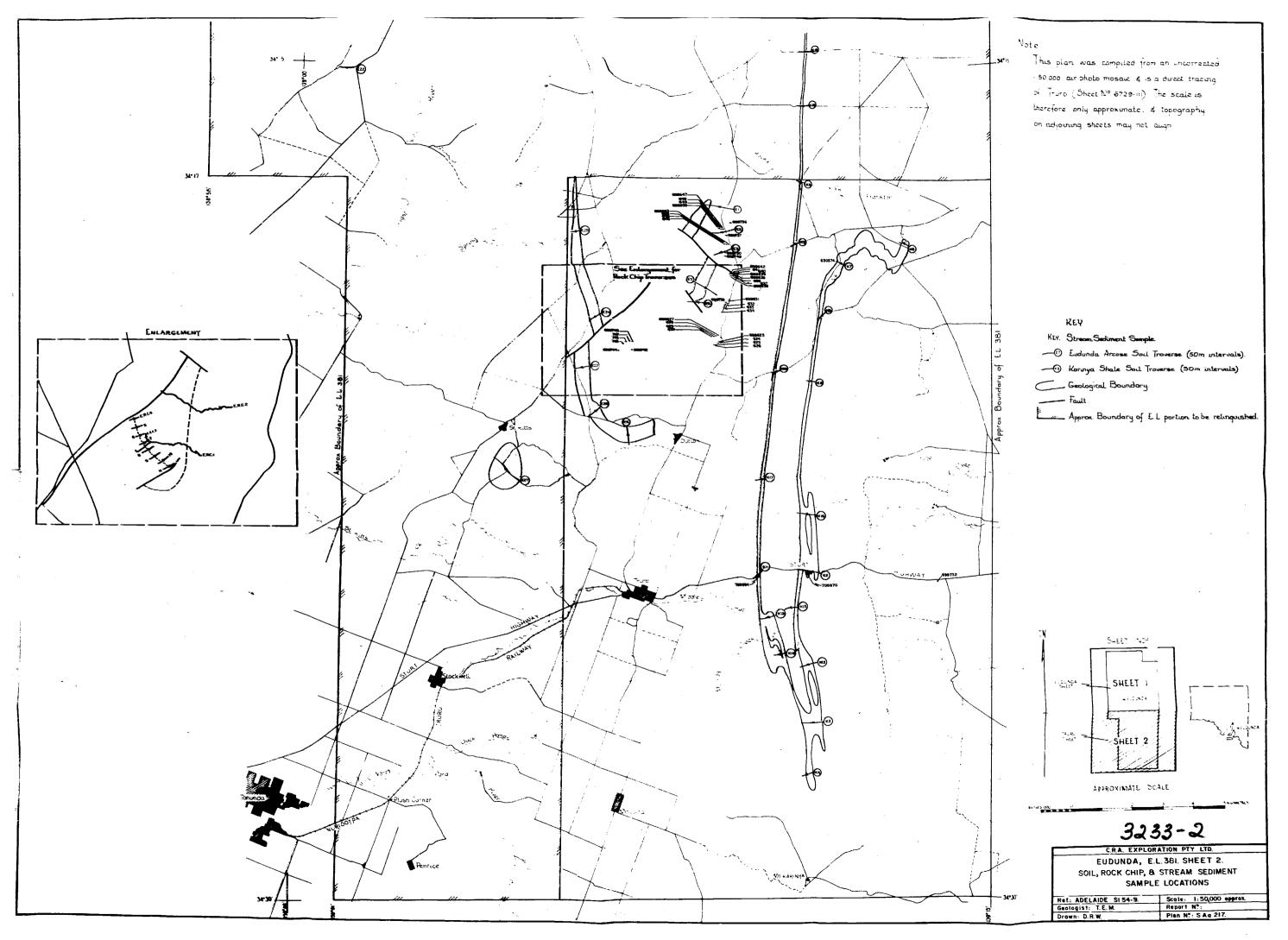
Beaker Tray No. 76 Weighed by D.P.O. B0005

Date Weighed Date Completed A/c No. B14C 12 G

Mos	ie. Ali	SAMP	LES		EPT (+				DCKOC IN.	
Determ:	instions by	ASS	イノミウ	12	SHG	round	2	1431	<u>-</u>	
Checke	i by									77.5
			Pd,	2,	Cen,	The	Co	Ppm ppm	MN	149,
	meson		ppá	ppm	ppm	ppm	ppm		810	2
2	698643		37	91	50	120	60 30	70	660	41
3	\$ 70	32-85	20	55	120	58	22	10	360	41
4	69864		23 18	50		60.	26		580	12
5		+22	21	44	යිති යිති	78	34	,	810	<1
6		+44	25	78_	33	39	42	50	900	41
3	· · · · · · · · · · · · · · · · · · ·	+85	27	59	3	80	42	50	920	
9	8 70 3		16	50	a.	58	28	50	630	1
10	6986		14	31	30	49	22	∞	470	<1
11	The second secon	+ 22	18	47	63	68	30	60	630	<u> < </u>
12		+ 44	9	42	22	73	34	70	670	<1
/3		+60	19	44	66	63	32	80	560	4/100
14	Ps 2.	C+ 85	14	34	121	56_	68	80	470	4
15		55 - 85	16	53	33	56	36	80	530	<1
16	6986	48 +10	14	42	126	56	22	30	410	21
17		+ 22	21	150	36	70	30	70	630	21
18	· · · · · · · · · · · · · · · · · · ·	+ 44	25	78	60	81	38	80	630	
19		+60	21	133	31	81	38	100	530	4
30		+ 87	12	42	22	GI	22	80	610	1
21	69764	55 - 85 9 + 10	19	56	32	92	34	100	T	2
23	07164	9 ± 10 + 22	19	59	22	100	36	150	610	4
24	· · · · · · · · · · · · · · · · · · ·	+4U	18	65	22	130	42	170	630	2
25		+60		156	31	130	40	1800	1610	2
26	P1 2 C	. +85	19	63.	19	92	36	282	1560	2
22		5-85	14	76	119	130	136	محل	4530	+
28	6986	50 + 10	21	37	150	54	22	40	1300	121
29		+22		50	130	173	786	130	440	+
30	<u></u>	+ 114		181	22	+>;	130	180	440	3
31		4.60		65	161	100	30	150	1490	4
32		+85		72	119	149	124	170	470	
33	8 60	25-75	19	53		43	aa.	170	560	4
								+		
		ylinda analysida malan asan an angal man i Pinta malahadikan						_		+









C.R.A. EXPLORATION PTY. LIMITED

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P.O. BOX 384D

TELEPHONE: 63 0491

TELEGRAMS: "CONRIO"

TELEX AA 30108

(INC. IN N.S.W.)
95 COLLINS STREET, MELBOURNE, AUSTRALIA 3001

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 Manage

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

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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.

20 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

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P.O. BOX 384D

TELEPHONE: 63 0491

TELEGRAMS: "CONRIO"

TELEX AA 30108

(INC. IN N.S.W.)
95 COLLINS STREET, MELBOURNE, AUSTRALIA 3001

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

SAF: jm

for:

J. Collier General Manager

Encl.

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

The convents of this report remains the property of C.R.A. Exploration Pty. Limited and may not be published in whole or in part nor used in a company prospecius without the written consent of the Company.



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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 Karinva 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 km² 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

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.

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K 26	755634	30	0	0	50	20	C	20	Gor Br				10	7c	110				De some gran phyllite
ETV	5	30	C	C	50	20	4	20	Br	_		30	8	75	3c				" Cale. J.
ETV Blant	6	20	مع	C	55	25	<u>c</u>	20	ľ		1	40	15	40	28				Ditte
- 5	77	1c	C	0	60	30	L	20	~	_	1	50	18	40	18	_			· ·
	8							20		-	/	56	<u>iz</u>	38	18				/-
	9							20		_	_	50		22	15				7
	755640			1	1					_	1	50	12	25	15	-	_		be comp y hyllite
	1							20			/	60		25	15				Detto!
	2							20				60	9	25	12				7
	3	20	0	18	50	20	2	15	"	~	1 -	=	3	24	12				De some sensy solust
	<u> </u>	 		<u> </u>		 	-	 -	-	-	-	-		<u> </u>	1	-			
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TENEMENT AREA/PROSP PLAN REFER	ECT Karris	in Ma	5	La	le	·······	S	AMPLE	Nos.	7	556	44	77	1PLING	62		GEOL	Page No. No. B 00 30 OGIST TEM DATE Jem 179 YSED BY AMDEL
A 9006 Grid			Sail	Comr	esition	=		Sam	io!e	E	edrock	,		Me	tal Conte	int in pp	m.	
Co-ordinate	Sample No.	ەبرىد بى	rganic "	y pue	Silt X	Clay %	Soil	Depth cm.	:olour	Outerop	Con- cealed	Est. Depth to	Pb	Zn	Cu	Aş		Geological observations
127	755644	20	C	:		+	1		Br	-	1	50	15	35	22			Decomp sandy schiet
ENU	5	r	-T		60				Br	-	V	60	22	45	25			De come. phy like
50 11	6		0		, 6 C		T -	15	"	<u> </u>	_	-	38	55	35	<u> </u>		Dette
	7	30	6	6	50	26	ے	15	11	1	-	•	460	120	60			1.
	8	عدا	10	6	55	25	Ç	20	"	-	<u> </u>	30	55	85	3c			11
	9	20	2 0	0	25	25	5	20	11	-	/	35	.70	130	42			Recomp cart phyllete
	755650	20	1 0	; c	55	25	C	20	,		7	30	34	80	42			Pitte
		٤	0	1	55	25	<u>c</u>	20	"	<u> -</u>	1	25	20	7 c	20			ii .
	2		- 0	C	50	20	c	20	"		1	25	30	85	42			4
	3	+~		 -				15	"	~	1-	-	30	<u>50</u>	45			De comp. phyllite
	<u> </u>			\neg	55	_		20	"	-	~	30		60	50		<u> </u>	Ritto
	5			_	55		+=	20	,,	-	<u>/</u>	30		42	25		 	Decomp cars phyllite
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	7	+43	6		60			20	11	 -	/	30	_	-		<u> </u>		licomo ghyllik
 	755610		_		7				**	1	1	-	12	50	+			Petto.
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· · · · · · · · · · · · · · · · · · ·	2	10	0	10	160	7 30	-	20	**	-	~	32	20	50	20	-		yetto.
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TENEMENT. AREA/PROS PLAN REFEI	PECT Mari		ے ہ	hale	۷	•••	S	AMPL	E Nos.	CHEMICAL SOIL SAMPLING LEDGER 755 663 -> 755 681								GEOL	Page No. No. B 0030 DGIST T. E.M. DATE 54. 179 VSED BY AMDEL
Grid Co-ordinate	Sample Na.	Sail Composition						Sai	nole	Bedrock				Metal Content in ppm.					
		Rock &	Organic	Sand &	Sift %	Clay %	Clay % Soil Hurizon	Depth cm.	Colour	Outcrop	Con-	Est. Depth to	Pb	Zn	Cu	Ag		Geological observations	
K28	75543	20	e	0	60	20	۷			-	1	30		55	23				Do come shall to
E+W	-			7	т —			15	7	¥	J	3	18	60	90				Dito.
SC jalen	, 5	30	C	0	50	20	C	15	*	1	_	_	10	25	100				
								20	u	_	V	30	90	70	60				/1
-								20		_	1	30	35	55	20				4
								20		-	V	30	10	65	12				
	9	30	0	0	50	20	۷	20	"	_	/	30	10	45	15				"
	755670									-	1	25	60	60	45				Peroma carb. shale.
····	71	$\overline{}$		_	60				4	_	/	30	3	42	20	_			Pitto.
-	72	1		_				20		-	1	30	8	60	15				Ditla.
									6-1	V	-	<u> -</u>	8	35	22				11
	74	1	•	•	7				11 "	/	-	<u> -</u>	_8_	70	15				0,
	75							20		-	1	50	8	32	8				• (?)
		9	0	<u>e</u>	70	30	C	20	11	_	1	60	9	25	12			<u></u>	
	77			1				20		-	1	60	10	22	15	•••	<u> </u>		le .
	78								"		1	60		22	12		<u> </u>		l,
	74									مو	~	50	20	40	20				Decomp. white phyllis
	755680									1	-	<u> </u>	12_	18	10				De come arkers
	755681	10	0	10	50	30	C	15	11	/	-	=	8	15	12		<u> </u>		Dito
		 	!		<u> </u>		<u> </u>	ļ	<u> </u>			Ŀ					1		*
			<u> </u>	<u>.</u>	<u> </u>	<u> </u>							l						

