EXODUS MINERALS LIMITED

(ACN 007 701 715)

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R24077

Final Report

Warburton

Exploration Licence
9277

For the period 3 October 1995 to 21 August 1998

Napperby 1:250,000 Sheet SF53-09
Mt Doreen 1:250,000 Sheet SF52-12

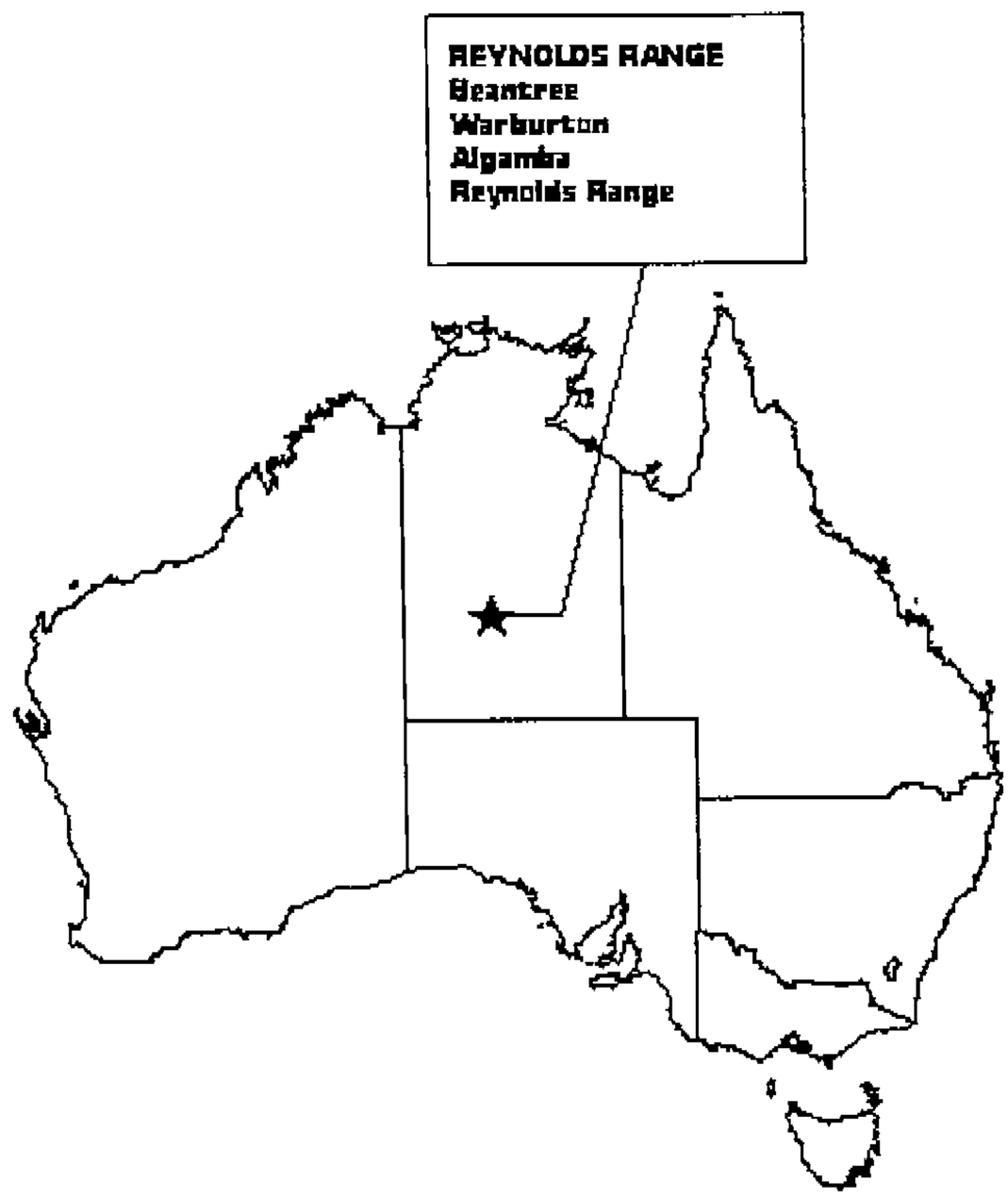
CR98/769

OPEN FILE

Licensee: Normandy Gold Pty Ltd
Operator: Exodus Minerals Limited
Author: J C Ion
Date: October 1998
Distribution: Exodus Minerals Limited (1)
Department of Minerals & Energy, Perth (1)
Normandy Gold Pty Ltd (1)

Approved:

LOCALITY MAP
FIGURE 1



ABSTRACT

Exploration Licence 9277 (Warburton) was granted to PosGold Ltd on 3 October 1995. In late 1996, PosGold Ltd was wholly merged with parent company Normandy Mining Ltd and subsequently changed company name to Normandy Gold Pty Ltd.

The Warburton Licence was targeted for a stratigraphic repetition of Lander Rock Beds, south of where mineralisation has been identified in EL7343. Subsequently exploration discovered that a large portion of the tenement, both exposed (<5%) and concealed, comprises granite derived rocks.

Exodus Minerals Limited reached a joint venture agreement with Normandy Gold Pty Ltd on 6 August 1997 whereby Exodus may earn a 60% interest in the "Reynolds Range" project (of which Warburton E9277 was a part) by spending $1.5 million by August 2001.

Exploration over the life of the licence included a regional gravity survey, reconnaissance RAB and vacuum drilling, a geomorphological interpretation and a Digital Elevation Mapping (DEM) Survey.

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1.0 INTRODUCTION

Exploration Licence 9277 (Warburton) was granted to Normandy Gold Pty Ltd on 3 October 1995 for a period of six years. The licence covered an area of 69 blocks (222km^2).

The Warburton licence area was applied for to explore for similar mineralised systems to that discovered in EL7343, that being structurally controlled gold mineralisation in greenschist to lower amphibolite facies Lander Rock Beds.

Exodus Minerals Limited reached a joint venture agreement with Normandy Gold Pty Ltd on 6 August 1997, in which Exodus may earn a 60% interest in the "Reynolds Range" project (of which E9277 Warburton was a part) from Normandy by spending $1.5 million by August 2001.

2.0 LOCATION AND ACCESS

Exploration Licence 9277 is located on the Napperby (SF53-09) and Mt Doreen (SF52-12) 1:250,000 sheets). Situated some 200km north-west of Alice Springs the project area covered part of the Conniston and Napperby pastoral leases (Figure 1).

Access to the tenement is from the Stuart Highway, north of Aileron Roadhouse, via the unsealed Coniston Station Road to Mt Denison. Alternative access is via the Tanami Road from Alice Springs to Yuendumu, and then east via the unsealed Coniston Station Road.

Station tracks provided some access within the project area.

3.0 TENURE

Exploration Licence 9277 was granted to Normandy Gold Pty Ltd on 3 October 1995 and consisted of 69 blocks (222km^2), Figure 2.

Warburton E9277 formed part of Substitute Exploration Licence Application 9500 (SELA 9500) which was submitted on 5 March 1996 and included adjoining Exploration Licences 7343, 8420 and 9278.

Exploration Licence 9277 was surrendered on 21 August 1998.

4.0 PHYSIOGRAPHY

The tenement surrounded the north-western portion of Reynolds Range with the peak of Mt Gardner (999m ASL) rising about 500 metres above the dominantly granitic sand plains and alluvial wash developed over granites that constituted the majority of the lease.

Drainage in the area is dominated by the Warburton Creek that drained north out of the tenement.

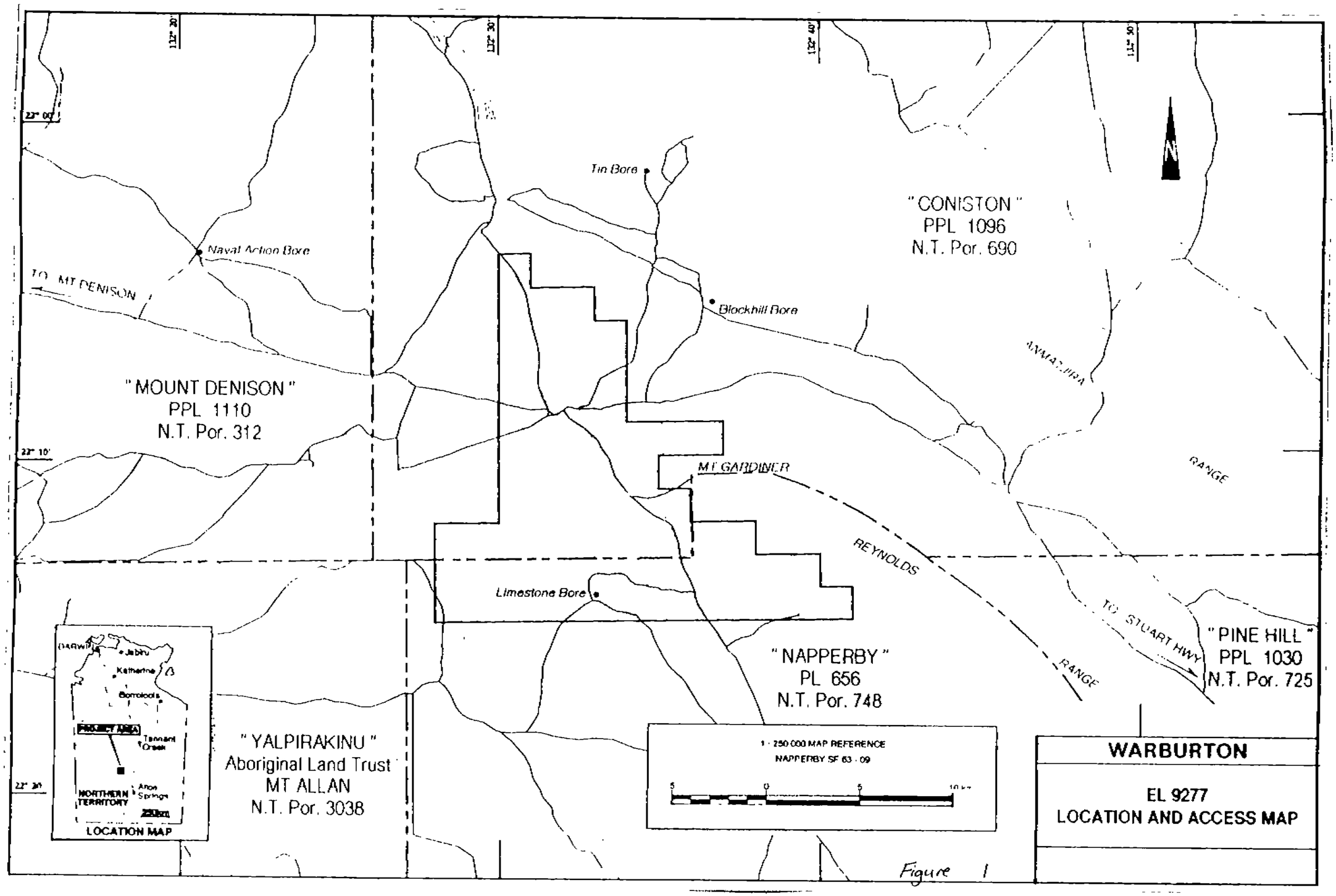
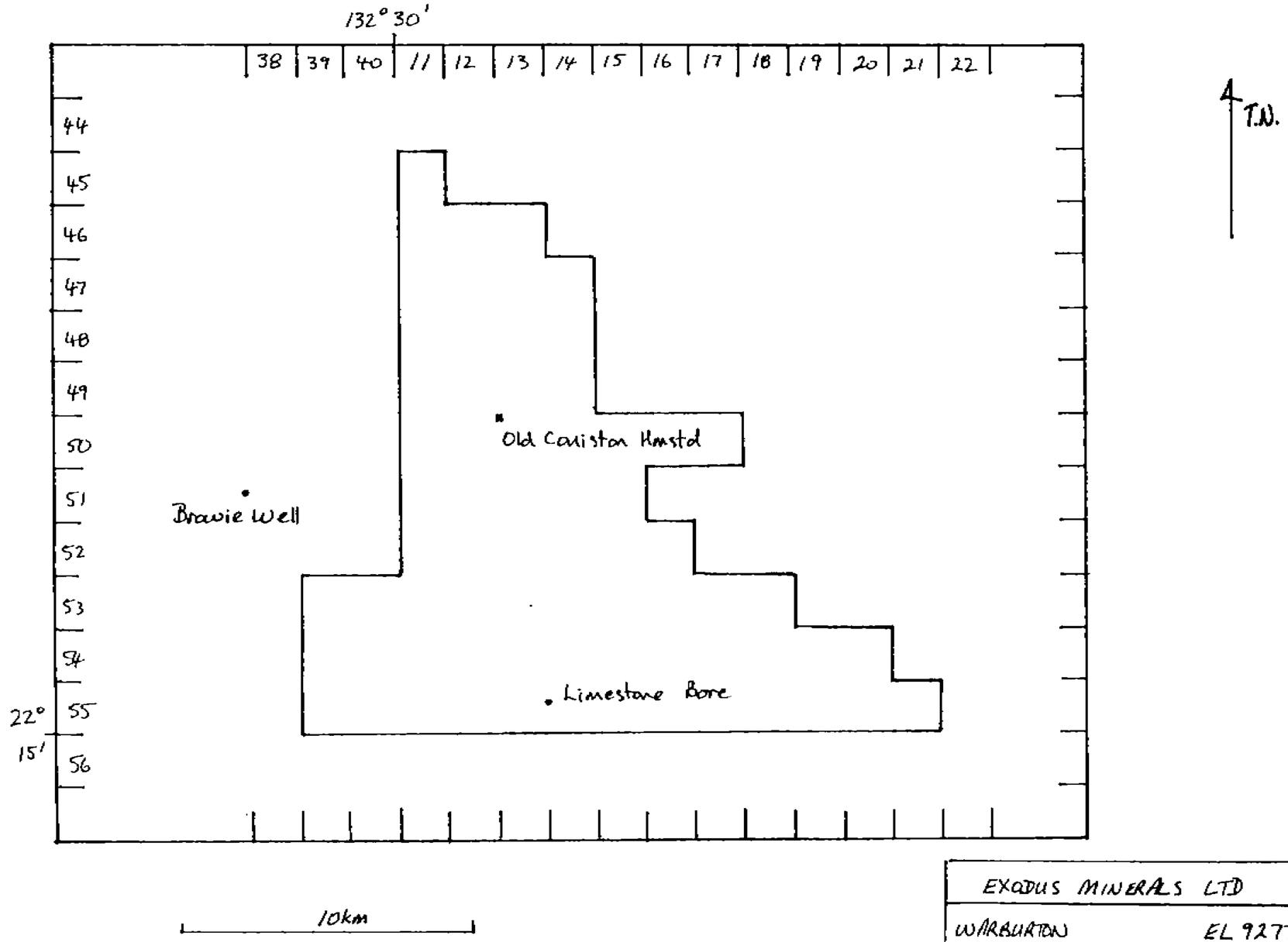

112° 20'
112° 30'
112° 40'
112° 50'
22° 00'
22° 10'
22° 20'
Tin Bore
Naval Action Bore
TO MT DENISON
Blockhill Bore
"CONISTON"
PPL 1096
N.T. Por. 690
"MOUNT DENISON"
PPL 1110
N.T. Por. 312
MT GARDINER
REYNOLDS
RANGE
Limestone Bore
TO STUART HWY
"PINE HILL"
PPL 1030
N.T. Por. 725
"NAPPERBY"
PL 656
N.T. Por. 748
"YALPIRAKINU"
Aboriginal Land Trust
MT ALLAN
N.T. Por. 3038
DARWIN
Jabiru
Katherine
Borroloola
PROJECT AREA
Tennant Creek
NORTHERN TERRITORY
Alice Springs
LOCATION MAP
1 : 250 000 MAP REFERENCE
NAPPERBY SF 53 - 09
5
0
5
10 km
WARBURTON
EL 9277
LOCATION AND ACCESS MAP

Figure 1



EXODUS MINERALS LTD

WARBURTON EL 9277

TENURE

Figure 2.

NOV '98 J.C. JON

Vegetation consists of spinifex, cassia shrubs and low mallee and acacia (mulga) trees with isolated ghost gum, river red gums and tea tree thickets along the main intermittent water courses.

5.0 REGIONAL AND TENEMENT GEOLOGY

The tenement lay within the north-western portion of the Early to Mid Proterozoic Arunta Orogenic Domain.

The Arunta Orogenic Domain comprises meta-morphosed sediments and igneous rocks that have been extensively intruded by a range of granitic bodies. The Granites-Tanami and Tennant Creek Inliers are located to the north-west and north respectively. On all other sides, the Arunta Orogenic Domain is surrounded by, and forms basement to, younger Late Proterozoic to Mid Paleozoic sedimentary basins.

The Arunta Orogenic Domain is structurally complex and is interpreted to contain lithological correlatives with the Granites-Tanami and Tennant Creek Inliers – both of which host significant gold mineralisation.

The regional project area covers the Central and Northern Tectonic Zones of the Arunta Domain and contains greenschist to granulite lithologies (Figure 3).

Within the project area, the rocks have been divided into three groups:

Division 1 : **Aileron Metamorphics**
Felsic and Mafic Granulites

Division 2 : **Mt Freeling Schist**
Muscovite-biotite schist, quartz-rich meta-sediment, silimanite schist.

: **Wickstead Creek Beds**
Calc-silicate rock, marble, gneiss, schists.

: **Lander Rock Beds (LRB)**
Schistose pelitic meta-sediments and quartzo-feldspathic gneisses.

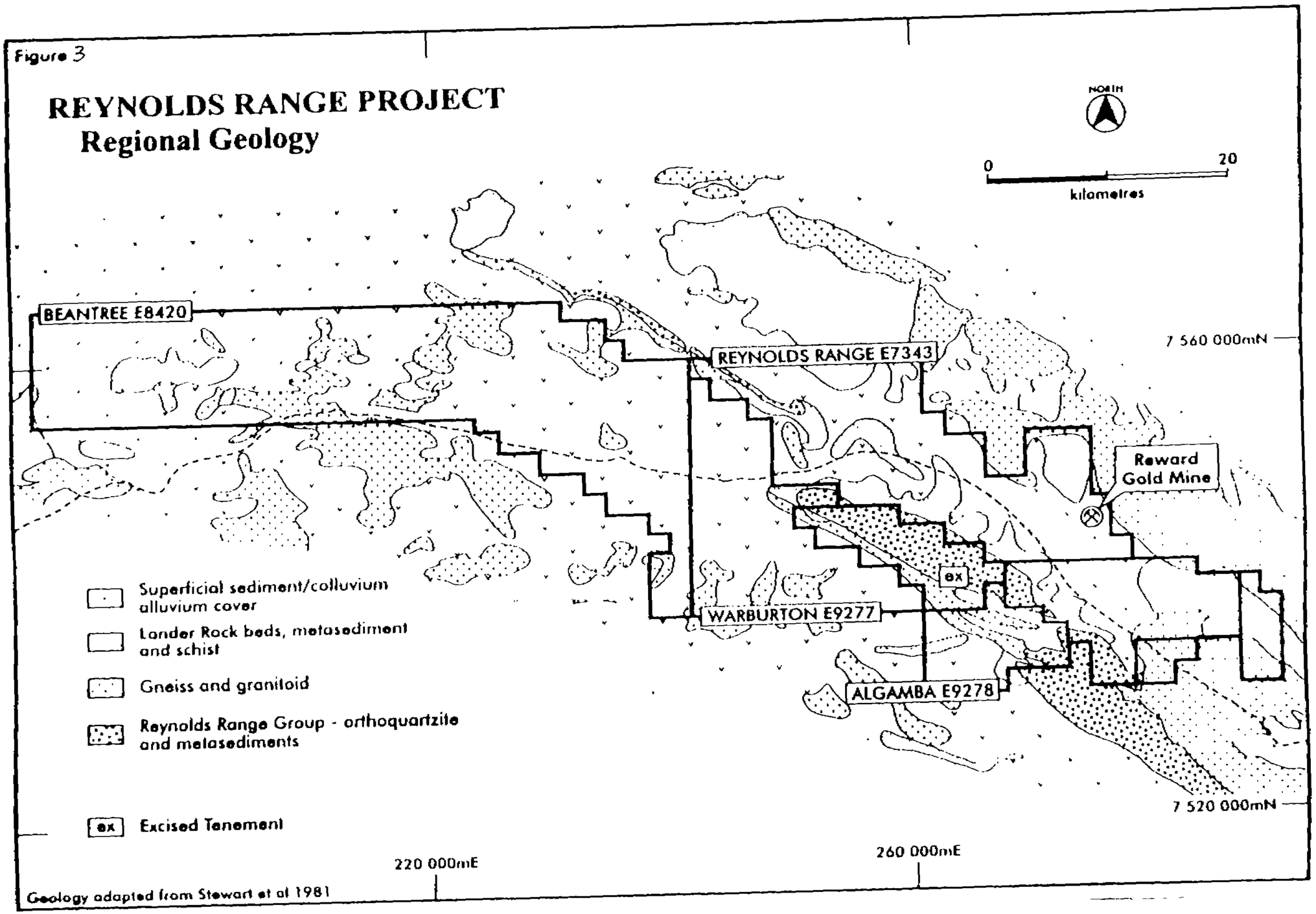
Division 3 : **Reynolds Range Group**
Schistose pelitic meta-sediments, meta-quartzite and dolomite.

These divisions are separated by unconformaties. The increasing maturity of the sediments reflects the evolution of the basin.

The Warburton licence area contained Lander Rock Beds, minor Reynolds Range Group and a range of variably deformed granites with different ages of intrusion.

Figure 3

REYNOLDS RANGE PROJECT
Regional Geology



Geology adapted from Stewart et al 1981

6.0 EXPLORATION COMPLETED DURING THE PERIOD 03.10.95 TO 21.08.98

6.1 Regional Gravity Survey

A regional gravity survey was undertaken along tracks within EL7343, 9277 and 9278 and extended west into EL8420. The gravity data shows a stark contrast interpreted to be between granites and sedimentary sequences, thus providing a potential tool to outline broad areas of potential Lander Rock Beds.

A total of 52 gravity stations over approximately 170km^2 of the Warburton Licence were collected. Survey specifications, gravity contours and station locations are given on Plate 1.

The data shows a steady decline to the west, away from Lander Rock Beds in EL7343, indicating the large presence of granite, as supported by reconnaissance RAB drilling results (see Section 6-2).

6.2 Reconnaissance RAB Drilling

Much of the Warburton Licence is under alluvial cover. To test for the westward strike continuation of mapped Lander Rock Beds, along part of the southern margin of the Reynolds Range, a small reconnaissance RAB drilling programme was undertaken along a north-south track traversing the southern portion of the licence area.

The RAB drilling programme involved vertical holes drilled at approximately 500 metre intervals using a Gemco H13 drill rig supplied by Gorey and Cole Pty Ltd contractors. A total of 19 holes were completed for 124 metres. All holes were drilled to identifiable bedrock and plugged on completion. Hole locations are available on Plate 2 and in Appendix 1. Geological logs are available in Appendix 2.

Two samples were collected from each drill-hole, a soil sample from one to two metres above bedrock and a bedrock sample.

The samples were analysed by Australian Laboratory Services (ALS) at their Alice Springs, Townsville and Brisbane sites. Samples were dried, sieved, pulverised and analysed by the following techniques:

ICPAES	(IC224)	Cu, Pb, Zn, Fe, Mn, Ni, Ca
ICPAES	(IC588)	Ag, As, Bi, Mo, Sb
AAS	(PM224)	Au

Analytical results are available in Appendix 3.

The drilling programme intersected dominantly granite and orthogneiss, failing to uncover any Lander Rock Beds. Consequently multi-element data is low with high background for Mo and rare elevated (weakly) Bi and Ag.

6.3 Reconnaissance Vacuum Drilling

A further three holes for 12 metres were drilled by Jacksons Drilling using an OKA mounted Edson Vacuum drill rig. The vacuum rig completed the initial reconnaissance drilling programme, gaining access to the most southern part of the track where the RAB drill rig was unable to penetrate due to thick vegetation overgrowing the track. Specifications for drill-holes, sampling and laboratory analysis are as for RAB drilling (see Section 6.2).

Hole locations are available on Plate 2 and in Appendix 1. Likewise, geological logs and analytical results are in Appendix 2 and 3 respectively, and results described in Section 6.2.

6.4 Geomorphological Interpretation

A geomorphological interpretation over the project area was completed at 1:50,000 scale from aerial photography (Plate 3). This interpretation was validated in the field via a series of traverses across the project area during an orientation and general prospecting trip.

The aim of this interpretation was to gain a greater understanding of the regolith within the area and hence provide a base for interpreting surface geochemical data.

6.5 Digital Elevation Mapping (DEM) Survey

A DEM Survey covering the entire regional project area was initiated in September 1997.

Processing and computer enhancement of the digital data obtained by this survey has enabled the generation of an orthophoto mosaic (Plate 4) and a shaded relief image (Plate 5) over the project area. These products proved useful in the further interpretation of geomorphological features. They also helped to define subtle changes in elevation that may indicate the presence of otherwise undetectable structures.

Plate 6 is provided as an overlay to the DEM shaded relief image. It shows the Warburton tenement boundary as well as giving a basic interpretation of the DEM image.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The exploration target for the southern portion of Warburton was a stratigraphic repetition, common in thrust terrains, of Lander Rock Beds, which host mineralisation to the north-west in EL7343. However, the regional gravity and reconnaissance vacuum and RAB drilling failed to identify any prospective Lander Rock Beds hidden under recent cover.

Although the Warburton ground was not considered unprospective, the Reynolds Range Joint Venture's priorities lay with the Sabre/Falchion area in the central region of the Reynolds Project. To allow the joint venture to focus on its most prospective area, the Warburton Licence was surrendered on 21 August 1998.

8.0 EXPENDITURE

Expenditure by Normandy and Exodus over the life of the licence totalled $39,056.

Expenditure by both Normandy and Exodus on EL9277 is tabulated below:

WARBURTON EL9277 EXPENDITURE				
	Tenement Year		Year No.	Expenditure
Granted	03.10.95	02.10.96	Year 1	$16,710
	03.10.96	02.10.97	Year 2	$20,457
Surrendered	03.10.97	21.08.98	Year 3	$1,889

A breakdown of the final year's expenditure is given below:

WARBURTON EL9277 EXPENDITURE 03.10.1997 - 21.08.1998	
Allocated Salary	$914
Field Vehicle	$889
Maps	$86
TOTAL	**$1,889**

APPENDIX 1

RAB and Vacuum Drilling Hole Locations

HOLE NUMBER	AMG EASTING	AMG NORTHING	DEPTH (M)	AZIMUTH	DIP
RWR01	248440	7545950	7	0	-90
RWR02	248790	7545520	4	0	-90
RWR03	249150	7545230	19	0	-90
RWR04	249350	7544790	10	0	-90
RWR05	249680	7544400	4	0	-90
RWR06	250050	7544040	4	0	-90
RWR07	250400	7543740	4	0	-90
RWR08	250890	7543400	4	0	-90
RWR09	251390	7543080	3	0	-90
RWR10	251850	7542800	5	0	-90
RWR11	251941	7542500	11	0	-90
RWR12	251950	7541860	8	0	-90
RWR13	251970	7541360	3	0	-90
RWR14	251960	7541070	6	0	-90
RWR15	251920	7540500	11	0	-90
RWR16	252010	7540050	8	0	-90
RWR17	251950	7539600	3	0	-90
RWR18	251470	7539450	7	0	-90
RWR19	250925	7539200	3	0	-90
RSV1089	252160	7540665	4	0	-90
RSV1090	252310	7540250	5	0	-90
RSV1091	252485	7539985	3	0	-90

APPENDIX 2

RAB and Vacuum Drilling Geological Logs

HOLE NUMBER	FROM (M)	TO (M)	LITHCODE	LITHQUAL	MINERALS	COLOUR
RWR01	0	3	SND,GVL			
RWR01	3	7	GRT,GNS	me,w,	bt	dgr
RWR02	0	1	SND,GVL			br
RWR02	1	2	COL,PEG,QZV		mica	lgy
RWR02	2	3	COL,SDST,CLY		bt	gy
RWR02	3	4	GRT	me	bt	lgygr
RWR03	0	1	SND			br
RWR03	1	2	CLY			br
RWR03	2	4	COL,GVL,QZV,PEG		bt	lbr
RWR03	4	16	COL,SND,GRTGNS	vcg,sr-fc,m,sa	bt,serc	lgy,wh
RWR03	16	17	PEG		musc	wh,gy
RWR03	17	19	GRT	me	bt	lgy
RWR04	0	1	SOIL			gybr
RWR04	1	4	SND,SDST		bt	lgy
RWR04	4	6	GRT,GNS	me	qz,bt	gy
RWR04	6	8	PEG		musc	lgy,wh
RWR04	8	10	GRT,GNS	me,m,sr	bt	lgy,wh
RWR05	0	2	CLY,SND			
RWR05	2	4	GRT,GNS	me	bt	lgy
RWR06	0	1.5	CLY			
RWR06	1.5	2	CLY,QZV		mica	brgy
RWR06	2	4	GRT,GNS	sa,c	bt,lim	gy
RWR07	0	1.5	CLY,QZV			dbr
RWR07	1.5	4	GRT,GNS	c	bt	lgy
RWR08	0	1.5	CLY,QZV			dbr
RWR08	1.5	4	GRT,GNS	c	bt	lgy
RWR09	0	1	CLY			br
RWR09	1	2.5	CLY			wh
RWR09	2.5	3	GRT,GNS		bt	lgy
RWR10	0	2.5	CLY,QZV	me		rebr
RWR10	2.5	3.5	QTZ,QZV,CLY			br,pi,pu
RWR10	3.5	4	GRT,QZV		bt	gy,bl
RWR10	4	5	GRT,GNS		bt	lgy
RWR11	0	1.5	SND	me-c,w,wr		
RWR11	1.5	4	GVL,QZV,QZT			brgy;flat
RWR11	4	7	COL,SND,GRT,CLY	vc,		
RWR11	7	11	GRT,SDST?	f,w,sr	bt,serc	
RWR12	0	2	CLY,QZV			br,gy
RWR12	2	3	SDST,QZV	f-c,p,ang	serc,bt	lgy,br
RWR12	3	7	GRT	sa-sr	qf,bt,serc,lim	grgy
RWR12	7	8	GRT		qf,bt	lgy
RWR13	0	1	SND,CLY			br
RWR13	1	2	CLY,QZV			
RWR13	2	3	GRT	me	qf,bt	gy
RWR14	0	2	NS			
RWR14	2	5	COL,QZV,GRT	ang	qf,bt	gy
RWR14	5	6	GRT	ang	qf,bt	gy
RWR15	0	1.5	SND,GVL,QZV			rebr
RWR15	1.5	7	COL,SDST,GRT	ang-sa	qf,bt,lim	lgygr
RWR15	7	11	GRT,SDST?		qf,bt,?cl	gr
RWR16	0	2	SND,CLY,CLC			rebr
RWR16	2	3	COL,GRT	ang	qf,bt	gy,bu
RWR16	3	4	COL,QZV,GRT		qf,bt	gy
RWR16	4	8	GRT	c	stlim	pi,br,gy
RWR17	0	1	QZV,CLY			br
RWR17	1	2	GNS	augen	qf,bt,lim	gy
RWR17	2	3	GNS	c,ang		gy
RWR18	0	1 5	QZV,CLY			rebr
RWR18	1 5	3	GNS,GRT	fo	qf,bt,cl	gybr,cr
RWR18	3	6	COL,GNS	sa	qf,bt,cl	gybl
RWR18	6	7	GNS		qf,bt,cl	gybl
RWR19	0	1	SOIL			dgy
RWR19	1	3	GNS		qf,bt	lgy
RSV1089	0	1	SND	aeo	qz,fe	re,br
RSV1089	1	1 9	GVL	sa	qz	br
RSV1089	1.9	4	GRT,PEG?	int	qz,ms,bt,fs	wh
RSV1090	0	0 6	SND	aeo	qz,fe	re,br
RSV1090	0.6	1 5	GVL	sa	qz	br
RSV1090	1 5	5	GRT,GNS	ba	qz,ms,fs	gy
RSV1091	0	0.3	SND	aeo	qz,fe	re,br
RSV1091	0 3	1	GVL	ang	qz,fe	re,br
RSV1091	1	3	GRT		qz,ms,bt	gy

LITHCODE

SND	Sand	MIG	Migmatite
CLY	Clay	SCH	Schist
GVL	Gravel	PHL	Phyllite
GRT	Granite	QZT	Quartzite
PSMT	Psammite	SDST	Sandstone
GNS	Gneiss	ARNT	Arenite
PEG	Pegmatite		

LITHQUAL

inb	interbedded	ro	rounded
fo	folliated	uf	very fine
chy	cherty	f	fine
calc	calcareous	pel	pelitic
ferr	ferruginous	sul	sulphidic
vu	vuggy	schi	schistose
c	coarse	vc	very coarse
ang	angular	c	coarse

MINERALS

qz	quartz	cl	chlorite
bt	biotite	tour	tourmaline
ms	muscovite	py	pyrite
serc	sericite	tr	tremolite
kfs	k-feldspar	tlc	talc
fs	feldspar	ep	epidote

COLOUR

bk	black	cr	cream	mo	mottled	pu	purple	l	light
bl	blue	gr	green	ol	olive	re	red	m	medium
br	brown	gy	grey	or	orange	wh	white	d	dark
bu	buff	kh	khaki	pi	pink	ye	yellow		

APPENDIX 3

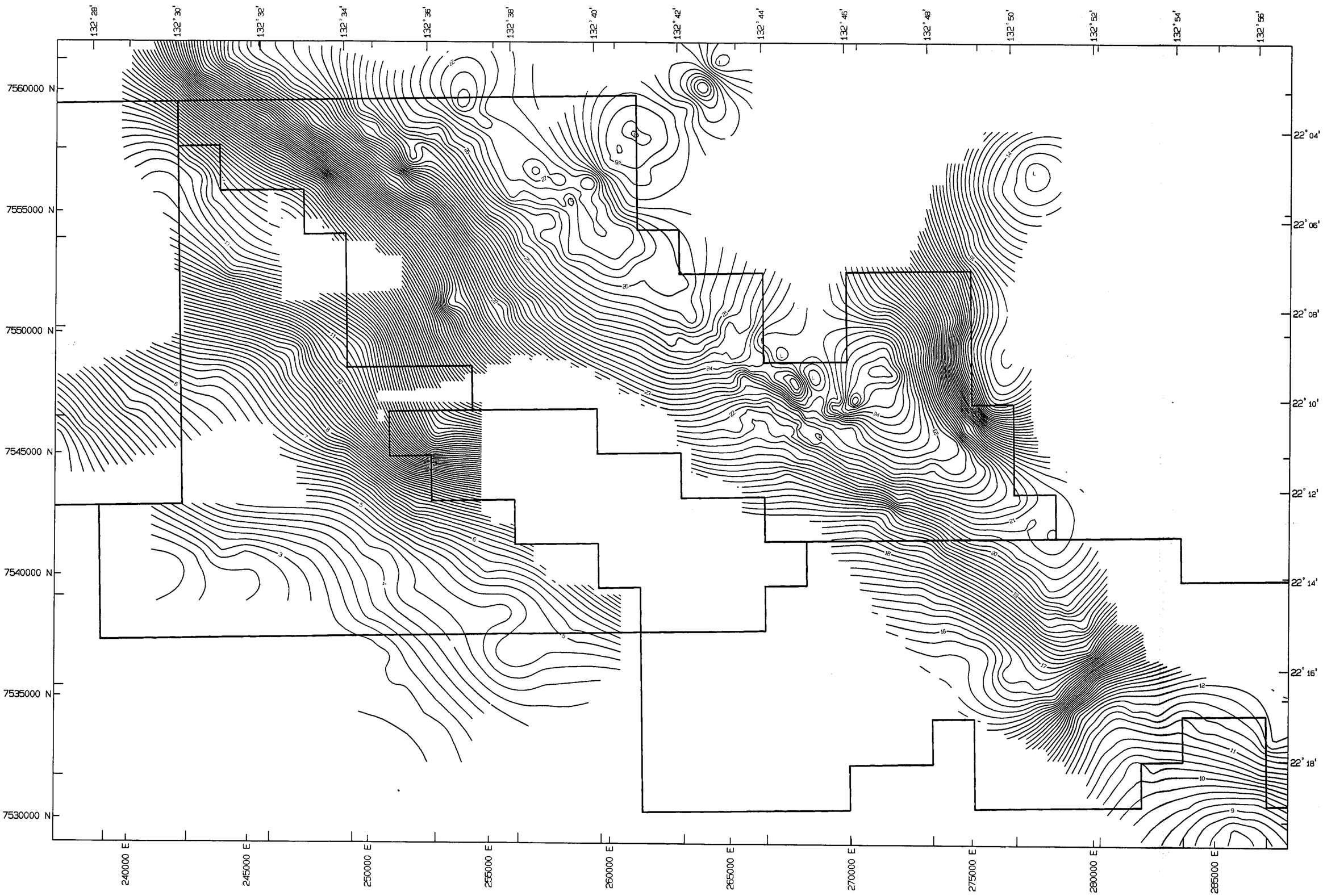
RAB and Vacuum Drilling Analytical Results

HOLE NUMBER	SAMPLE NUMBER	FROM (M)	TO (M)	Au (PPB)	Au (R) (PPB)	Ag (PPM)	As (PPM)	Bi (PPM)	Ca (PPM)	Cu (PPM)	Fe (%)	Mn (PPM)	Mo (PPM)	Ni (PPM)	Pb (PPM)	Sb (PPM)	Zn (PPM)
RWR01	342007	5	7	0 05		0.1	1.8	0.9	26800	12	3.41	403	1 2	12	8	<0.2	80
RWR01	342759	4	5	0 2		<0 1	3 3	1.1	23300	43	3 9	509	1	11	18	0.4	114
RWR02	342008	3	4	0.05		<0.1	0.7	0.4	15800	4	2.95	256	1 3	11	2	<0 2	30
RWR02	342760	2	3	0.2		<0 1	2.5	1	4210	5	2.26	271	0 6	9	5	0.7	26
RWR03	342009	6	10	0 05		<0 1	0.9	0.6	10300	12	1 45	201	1 1	8	9	0 3	38
RWR03	342010	10	14	0 05		<0.1	0 8	0.5	5920	16	1.86	265	2 9	10	9	0.2	52
RWR03	342011	14	16	0 05		<0 1	0 5	0 3	1920	5	1.25	197	1 2	9	5	<0 2	37
RWR03	342012	16	17	0 05		<0 1	1	1.9	2280	10	1 15	313	5 2	10	5	0.3	21
RWR03	342013	17	19	0 05		<0.1	0 5	0.4	3250	5	1 16	145	1 3	7	7	<0 2	23
RWR03	342761	5	6	0 1		<0 1	2.5	1	7330	13	1.95	312	1 1	6	12	0 6	44
RWR04	342014	6	8	0 05		<0.1	0 7	0.6	16300	7	0.81	146	3 6	8	6	0.3	14
RWR04	342015	8	10	0 05		<0 1	0.5	<0.2	4890	10	2	230	1 3	7	8	<0 2	38
RWR04	342762	5	6	0.1		<0.1	1.8	0.4	26300	13	2.03	285	0 7	7	9	0.2	38
RWR05	342016	2	4	0.05		<0.1	1.3	0.5	3150	9	2.43	272	3 1	9	7	0.3	41
RWR05	342763	1	2	0 1		<0.1	2.6	0.9	2870	10	1.92	232	0 8	7	8	0 5	28
RWR06	342017	2	4	0 05		<0.1	1.8	0.5	4500	10	2.21	254	1.2	8	7	<0.2	34
RWR06	342764	1	1 5	0 1	0 2	<0.1	2.9	0.7	10500	15	2.56	259	0 6	9	10	0.5	30
RWR07	342018	1 5	4	0 05		<0.1	1	0.5	2040	9	2.07	237	3.3	8	5	<0.2	37
RWR07	342765	1	1 5	0 1		<0.1	2.1	0.9	2030	13	2.39	355	0 6	10	9	0.4	29
RWR08	342019	1 5	4	0.05		<0.1	1.8	0.5	19300	6	2.23	228	1.1	11	6	0.3	31
RWR08	342766	0	1.5	0.2		<0.1	2.9	0.6	4200	9	1.94	139	0.7	11	7	0 5	26
RWR09	342020	1	3	0.05		<0.1	3.2	<0 2	59000	19	1.59	143	2.4	9	4	<0.2	28
RWR09	342767	0	1	0.3		<0.1	2.3	0.7	3180	15	2.27	357	0.7	11	8	0.5	32
RWR10	342021	4	5	0.1		<0.1	2.8	0.4	3670	12	2.65	268	2.9	11	8	0.2	47
RWR10	342768	3.5	4	0 4		<0.1	5.3	0.5	7020	13	1.89	90	3.1	13	7	0.4	26
RWR11	342022	6	10	0.05		<0.1	1.7	0.3	4730	6	1.57	181	6.4	9	6	0.3	26
RWR11	342023	10	11	0.05		<0.1	1.1	2.9	6290	8	1.06	105	3.1	6	5	<0.2	25
RWR11	342769	5	6	0.3		<0.1	2.8	1.9	8930	11	2.41	280	1.5	12	12	0.5	39
RWR12	342024	7	8	0.05		<0.1	0.6	0.6	2230	7	1.89	250	4.4	8	6	0.3	32
RWR12	342770	6	7	0.1		<0.1	1.2	0.3	3660	8	1.4	211	0.5	5	8	0.2	26
RWR13	342025	2	3	0.05		<0.1	0.5	<0.2	1920	6	1 49	157	1.5	7	5	<0.2	25
RWR13	342771	1	2	0.2		<0.1	1.9	0.7	1980	8	1.85	165	0.4	8	6	0.2	20
RWR14	342026	5	6	0.05		<0.1	0.8	0.5	8180	12	1.82	204	3.7	9	5	0.4	33
RWR14	342772	4	5	0.1		<0.1	1.7	0.5	24500	27	2	947	0.6	8	8	<0.2	36
RWR15	342027	9	11	0.05		<0.1	0.8	0.4	11000	4	1.45	164	0.7	7	3	<0.2	29
RWR15	342773	8	9	0.2		<0.1	2.6	0.5	8870	3	3.09	323	0.6	9	4	<0.2	57
RWR16	342028	4	8	0.05		<0.1	1.1	1.5	4450	13	1.51	154	2.2	8	9	<0.2	25
RWR16	342774	3	4	0.1	0.1	<0.1	1.8	0.7	2510	11	2.32	302	0.6	8	10	<0.2	43
RWR17	342029	1	3	0.05	0.05	<0.1	1.3	0.7	1160	11	2.13	181	1.6	10	5	0.4	25
RWR17	342775	0	1	0.2		<0.1	2.1	0.4	1020	9	2.45	169	0.5	8	8	0.3	20
RWR18	342030	3	7	0.05		<0.1	0.3	<0.2	17000	5	1.41	87	2.4	11	2	<0.2	17
RWR18	342776	1.5	3	0.1		<0.1	1	0.5	6110	6	1.68	123	0.3	8	4	0 4	20
RWR19	342031	1	3	0 05		<0.1	0.8	0.4	1460	5	1.79	121	2.1	9	3	0.4	24
RWR19	342777	0	1	0.05		<0.1	1	<0.2	746	5	2.1	153	0.3	7	5	<0 2	24
RSV1089	342131	1.9	4	0.05	0.2	0.6	1.8	0.3	13700	9	1.86	168	4.1	6	7	0.5	27
RSV1089	342831	1	1.9	0.1	0.1	0.3	2.3	<0.2	35600	17	2.04	142	0.2	7	14	<0.2	28
RSV1090	342132	1.5	5	0.1		0.5	1.8	0.7	10100	10	1.85	230	1.3	5	6	0 7	23
RSV1090	342832	0.6	1.5	0.6		1.2	2.4	0.5	8980	19	2.64	232	0.4	10	8	0.2	26
RSV1091	342133	1	3	0.1		1.2	1.3	0.4	4060	9	1.72	177	5 7	8	5	0.4	17
RSV1091	342833	0.3	1	0.3		0.7	2	<0.2	1250	16	2.5	176	0.4	8	8	0.2	20

BIBLIOGRAPHIC DATA SHEET

REPORT NUMBER:	21161
REPORT TITLE:	FIRST ANNUAL REPORT ON EXPLORATION LICENCE 9277 (WARBURTON) 3/10/95 TO 2/10/96
PROSPECT NAME:	WARBURTON
TENEMENT NUMBER:	9277
OWNER/JV PARTNERS:	NORMANDY GOLD
COMMODITY(IES):	GOLD
TECTONIC UNIT(S):	ARUNTA
STRATIGRAPHIC UNIT:	LANDER ROCK BEDS REYNOLDS RANGE GROUP
1:250,000 MAP SHEET(S):	NAPPERBY (SF53-09)
1:100,000 MAP SHEET(S):	
KEYWORDS:	

PLATES



LEGEND

Contour Level : 0.25 mGals
Contour Intervals : Green - 0.25 mGals
Black - 1.00 mGals

N

0 2000 4000 6000 M
SCALE 1: 100000

CR98/769

POSGOLD LIMITED

A.C.N 007 511 006

REYNOLDS RANGE PROJECT - GRAVITY SURVEY

REGIONAL, SEMI-REGIONAL & GRID SURVEYS
CONTOURED BOUGUER GRAVITY (D=2.67g/cc)

Author: K.Tucknott
Date: 14/8/96

Plotted by: S.Warren

Resource Service Group Pty. Ltd.

Tel:+618 9481-0885
Fax:+618 9481-0326
Email:rsg_perth@rsg.com.a

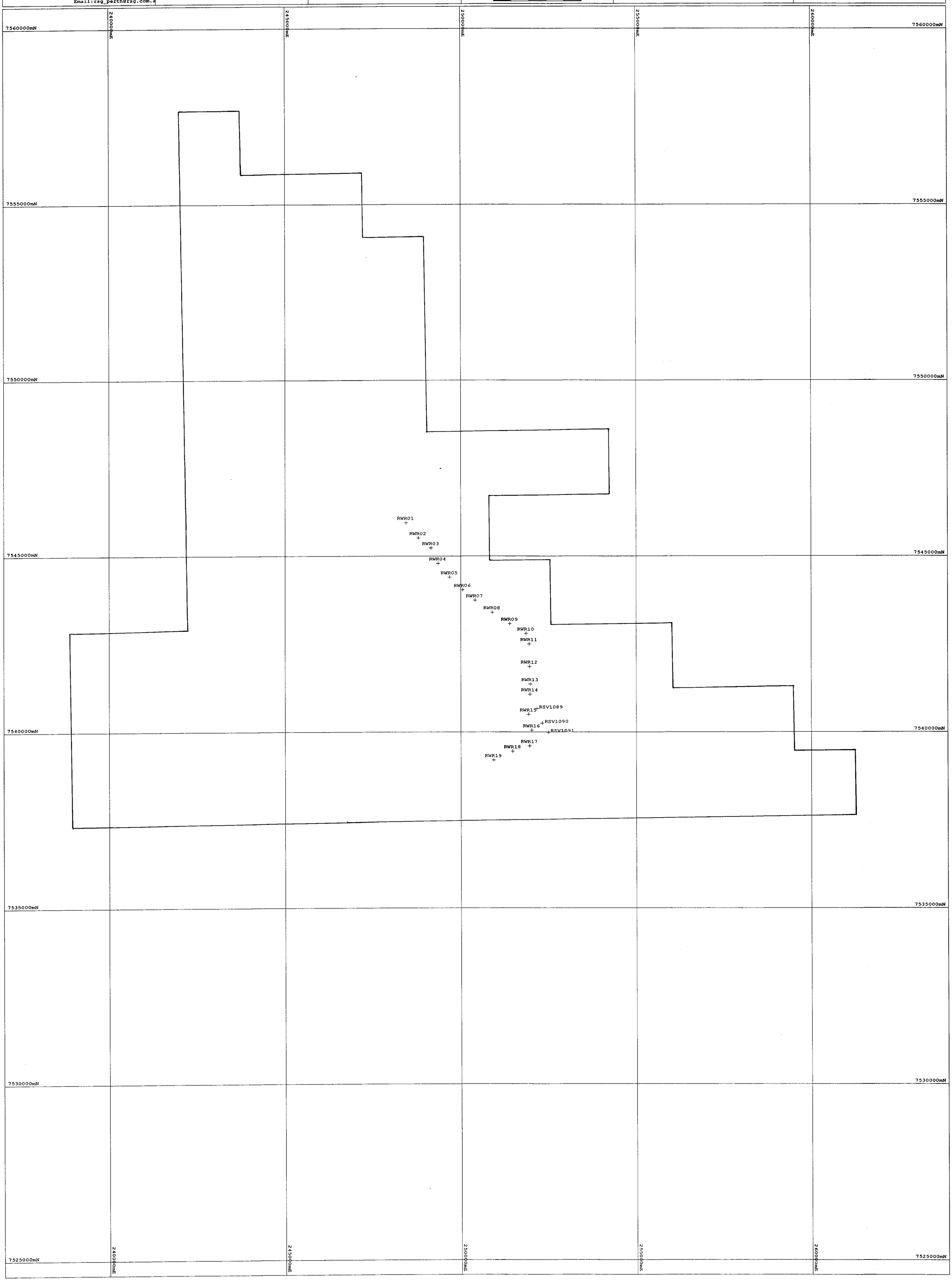
Scale	DATE	SHEET
1:50000	13/11/98	1 of 1
	REF No.	FILE WAR_COL

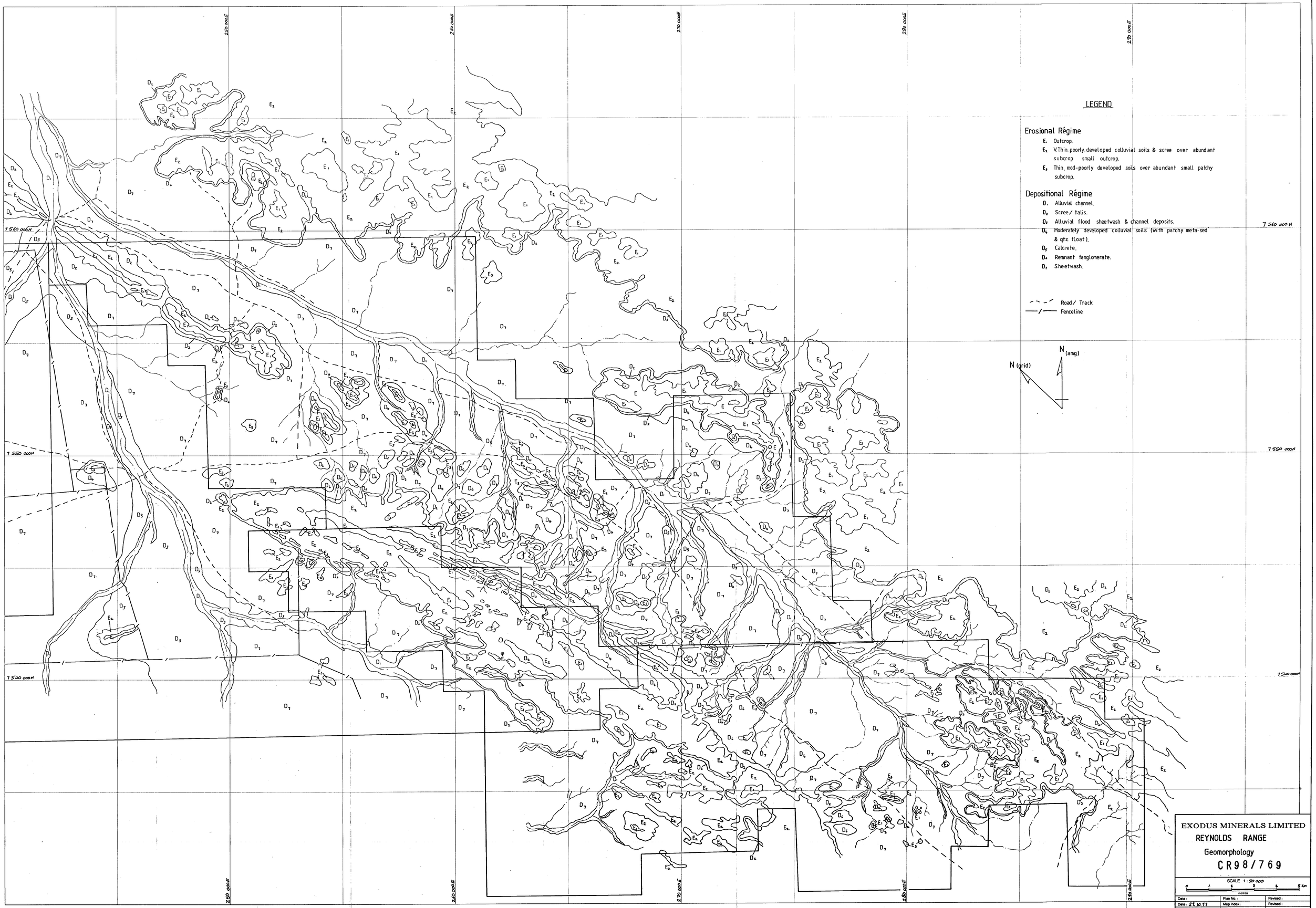
0 2500m

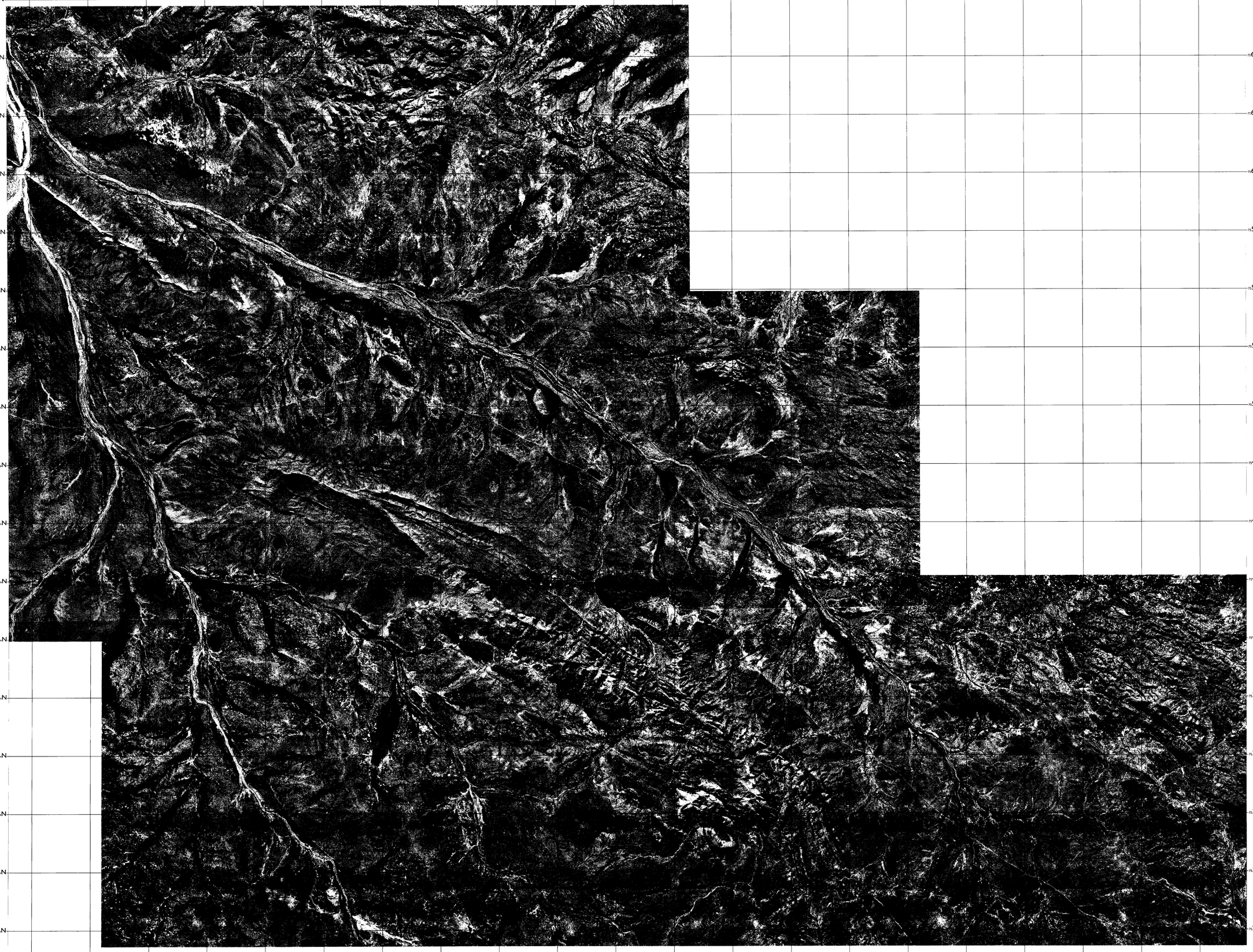
WARBURTON
DRILLHOLE LOCATION PLAN

EXODUS MINERALS LTD

Resource Service Group




250 000E
260 000E
270 000E
280 000E
290 000E
7 560 000N
7 550 000N
7 540 000N
LEGEND
Erosional Régime
E1 Outcrop.
E2 V.Thin, poorly developed colluvial soils & scree over abundant subcrop small outcrop.
E3 Thin, mod-poorly developed soils over abundant small patchy subcrop.
Depositional Régime
D1 Alluvial channel.
D2 Scree / talis.
D3 Alluvial flood sheetwash & channel deposits.
D4 Moderately developed colluvial soils (with patchy meta-sed & qtz float).
D5 Calcrete.
D6 Remnant fanglomerate.
D7 Sheetwash.
Road / Track
Fenceline
N (grid)
N (amg)
EXODUS MINERALS LIMITED
REYNOLDS RANGE
Geomorphology
CR98/769
SCALE 1 : 50 000
metres
Date :
Date : 29.10.97
Drawn : A.L.G.
Plan No. :
Map Index :
Dgn No. :
Revised :
Revised :
PLATE



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Bentley WA 6102

deMs Pty Ltd
ACN 064 180 847

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REFERENCE PHOTOGRAMMETRIC SPECIFICATIONS

Analogue Imagery:	
Source	AUSLIG super wide angle photography
Scale	1 : 84 300
Job No.	CAG 2688
Colour, B/W	Black and White
Date	20/7/83
Ground Control	
Source	Scaled from 1 : 100 000 map sheets
Survey Camera:	
Camera	WILD RC 10
Foc. Length	87.98 mm
Lens No.	2018
Digital Imagery:	
Medium	Film Depositives
Scanner	PS1 Photogrammetric Scanner
Resolution	30 microns
Image Processing:	
Corrections for lens distortion and Earth's curvature have been applied	
DEM cell size:	
40 m	

Positional Accuracy:

Estimated	Horizontal	Vertical
Relative	2.5 m	2.5 m
Absolute	100.0 m	10.0 m

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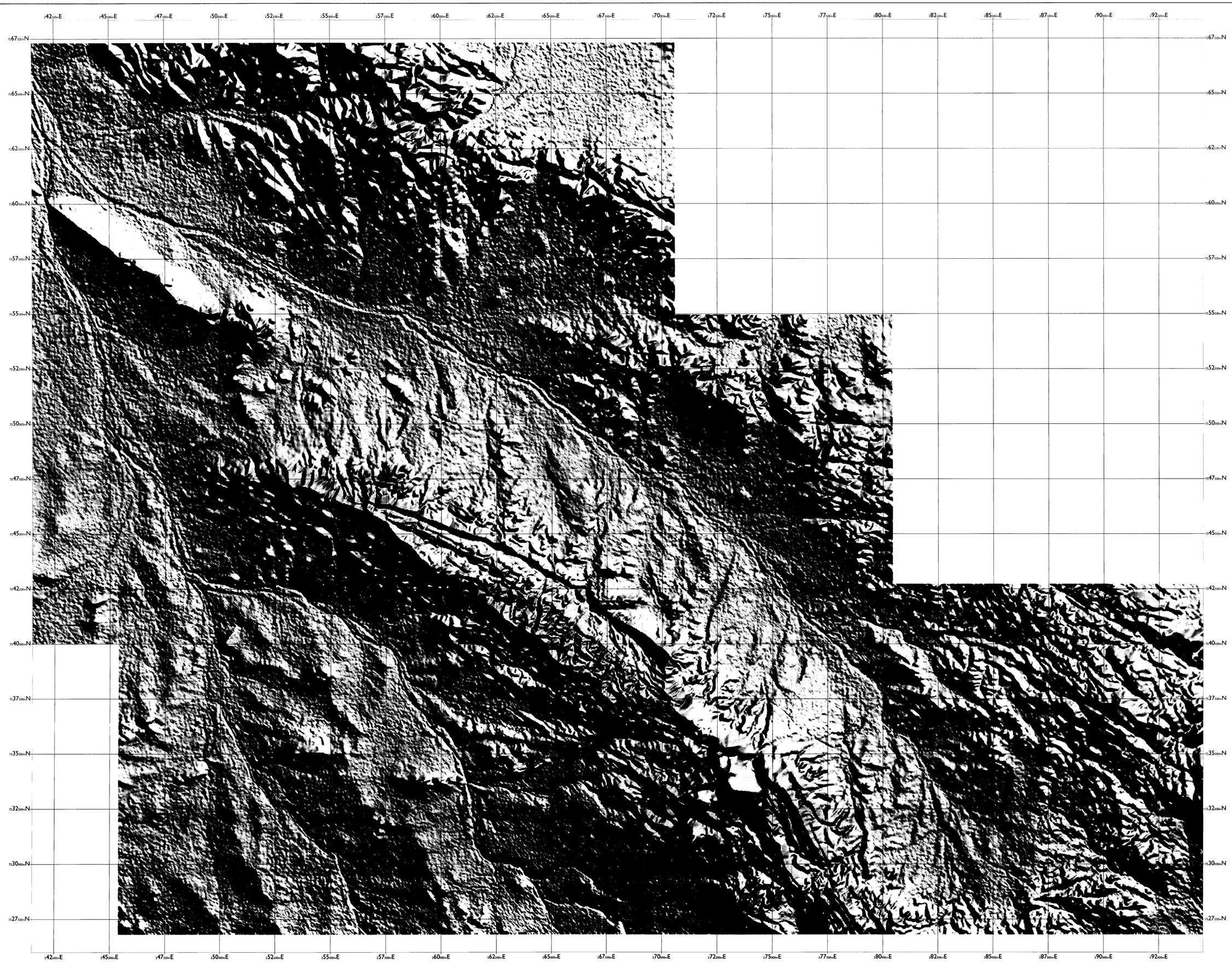
REYNOLDS RANGE

ORTHOPHOTO MOSAIC

Scale 1 : 50 000
0 500 1000 1500 2000 2500 3000 3500
metres

Job Number 421 Plan Date: 2/12/97 Sheet 2 of 2



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Digital Imagery:	
Medium	Film Diapositives
Scanner	PS1 Photogrammetric Scanner
Resolution	30 microns
Image Processing:	
Corrections for lens distortion and Earth's curvature have been applied	
DEM cell size:	
40 m	

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Estimated	Horizontal	Vertical
Relative	2.5 m	2.5 m
Absolute	100.0 m	10.0 m

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REYNOLDS RANGE

SHADED RELIEF IMAGE

Scale 1 : 50 000
0 500 1000 1500 2000 2500 3000 3500
metres

Job Number 421 Plan Date: 2/12/97 Sheet 2 of 2

7560 000N
7550 000N
7540 000N
N MAG
N GRID
KEY
Geological trend - eg bedding
Cross cutting topographic linear features
Interpreted linear structure
Mineralised outcropping vein
Range(s) / Hill(s)
CU VEIN OUTCROP
REWARD MINE
PINE HILL MINE
E 8420
E 7343
E 9277
E 9278 Surrendered
E 9278
E 9278 Surrendered
Surrendered E 9278
230 000E
260 000E
270 000E
280 000E
290 000E
CR98/769
EXODUS MINERALS LTD
REYNOLDS RANGE
DEM INTERPRETATION
EASTERN SHEET
0 1 2 3 4 km
1:50 000
Drawn: J.C. Ion
Date: October 1998