MAGNUM GOLD N.L.

EXPLORATION LICENCE 4902
"REDBANK EAST"
NORTHERN TERRITORY

YEAR FOUR ANNUAL REPORT

MAPS

Batchelor 1:100,000 sheet 5171
Pine Creek 1:250,000 sheet SD52-8

ERA Report A/311
May 1990

Prepared by M.R.G. OSBORN B.Sc,

Geological & Mining Consultants
621 Pacific Highway
(P.O. Box 163)
St Leonards NSW 2065
AUSTRALIA

Telephone (02) 436 0747
Facsimile (02) 437 6294

CONTENTS

1.0 SUMMARY

Work in the current (fourth year) period of tenure of EL4902 concentrated on a ground magnetics survey. Initially this focused on the anomaly A area, but was later extended to the adjoining tenement EL4835.

A program of rock chip sampling and RAB drilling was used to test spot magnetic anomalies believed to be associated with structurally controlled gold mineralisation such as at anomaly A. The program failed to delineate any new gold occurrences.

Comparative analysis of soil sampling and RAB drilling results indicates soil sampling to be a highly cost effective exploration technique in areas of non-transported regolith and it is proposed that a thorough soil sampling program for arsenic, copper, lead and zinc be implemented.

Neutron Activation Analysis (NAA) of -80# soil samples indicates that the style of mineralization at Redbank East (EL4902) is different from that at Glencoe, however arsenic is still proven to be the most effective gold indicator.

EARTH RESOURCES AUSTRALIA PTY. LIMITED

M.Osborn B.Sc.
GEOLOGIST

May 1990

2.0 INTRODUCTION

Exploration licence 4902 was granted to Magnum Resources Limited (now held by Magnum Gold N.L.; see section 3.0) on 21st April, 1986 over a single graticular block (number 3967 map 14/2 Batchelor) located approximately 130 kilometres south-east of Darwin (Figure 1). This area is considered favourable for gold mineralisation, as it is located adjacent to a complex anticlinal structure, evident on aerial photographs, within sediments of the South Alligator Group (Figures 2 & 3). The area was selected to fill a gap in a series of tenements held by Magnum.

Exploration has continued to date with a view to defining gold reserves to supplement the resource already delineated on the companies Glencoe Prospect two to three kilometres to the east. Such an addition would increase the overall feasibility of a Glencoe mine project.

Previous work had located anomalous gold and arsenic in outcrop at the "anomaly A" area. Further exploration was centred around this area utilising a ground magnetic survey. Results suggest fracture control of mineralisation and follow-up surface sampling and Rab drilling was undertaken in selected anomalies.

3.0 ASSOCIATED TENURE

EL4902 (granted 21 April 1986) filled a gap in tenure between EL4835 and the Glencoe tenements (EL4810 and adjoining mineral claims), as indicated on Figure 2.

Following the float of Magnum Gold N.L. that company held a 50% interest in the tenements. In March 1989 title passed wholly to Magnum Gold N.L.

4.0 PREVIOUS WORK

4.1 Pre Magnum

This tenement was previously held (1984-1985) by AOG Minerals Limited as EL4515. Work by AOG comprised pan concentrate sampling of major drainage, and showed traces of gold to a maximum of 0.04g/m^3 (Netherby & Nicol, 1985).

4.2 Work by Magnum

Year One work comprised mapping, outcrop sampling and drainage sampling (Milligan 1987). Traces of detrital gold were detected in gravel drainage samples. This was attributed to a palaeosurface source and was not regarded as being indicative of primary mineralization sources. Scoroditic gossanous outcrop from what is now known as Anomaly A returned assays of 8.06 and 7.60 ppm.

Year Two work concentrated on detailed mapping and sampling in the vicinity of anomaly A. Sampling indicated a high arsenic content of most samples.

Year Three work involved further surface mapping and -80# soil and outcrop sampling, as well as limited percussion and reverse circulation drilling, and a trial self potential geophysical survey. One drill hole, WGPDH008, intersected 8 metres assaying 19.3g/t gold from 2 to 10 metres, whilst the remainder recorded anomalous subeconomic grades and widths.

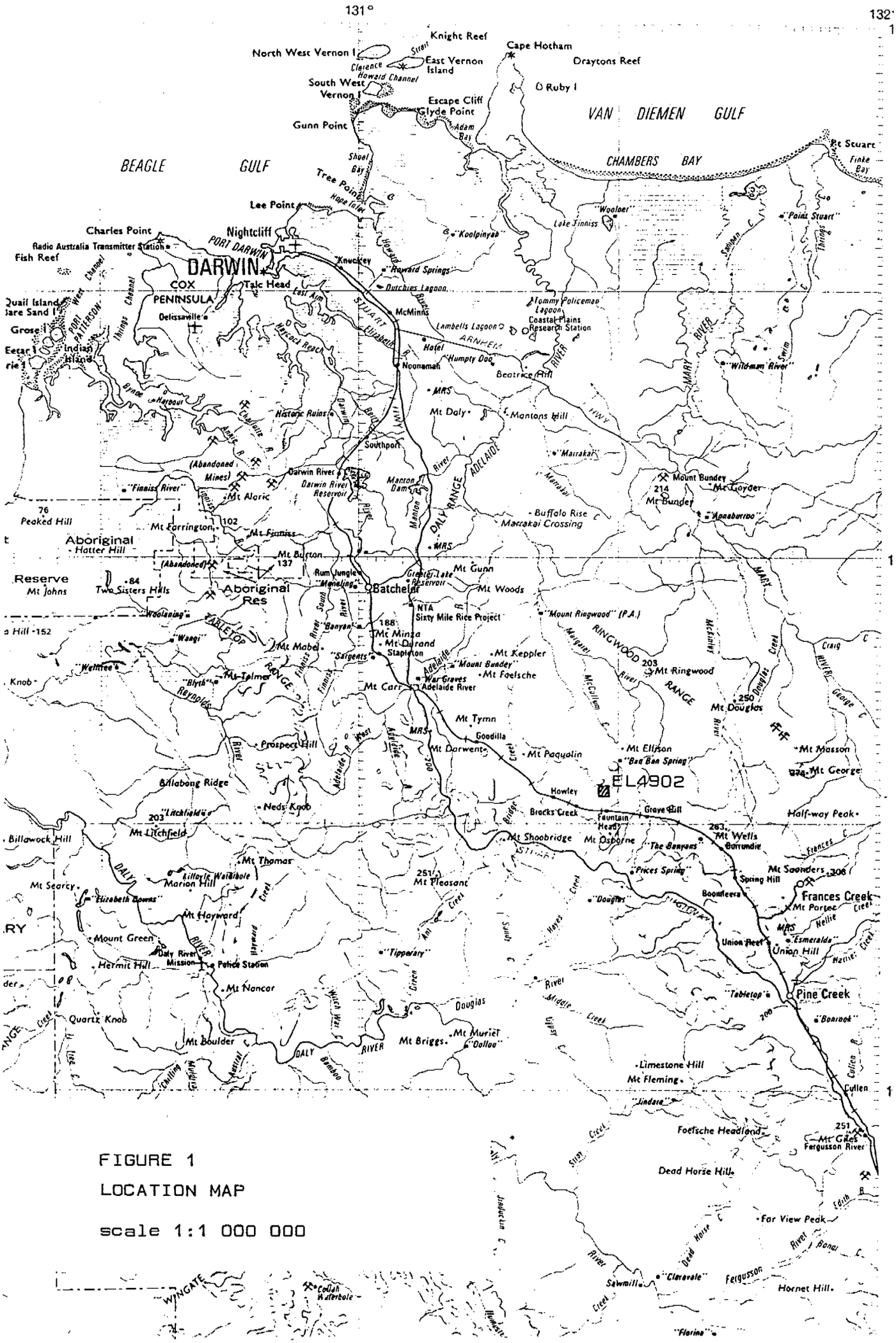
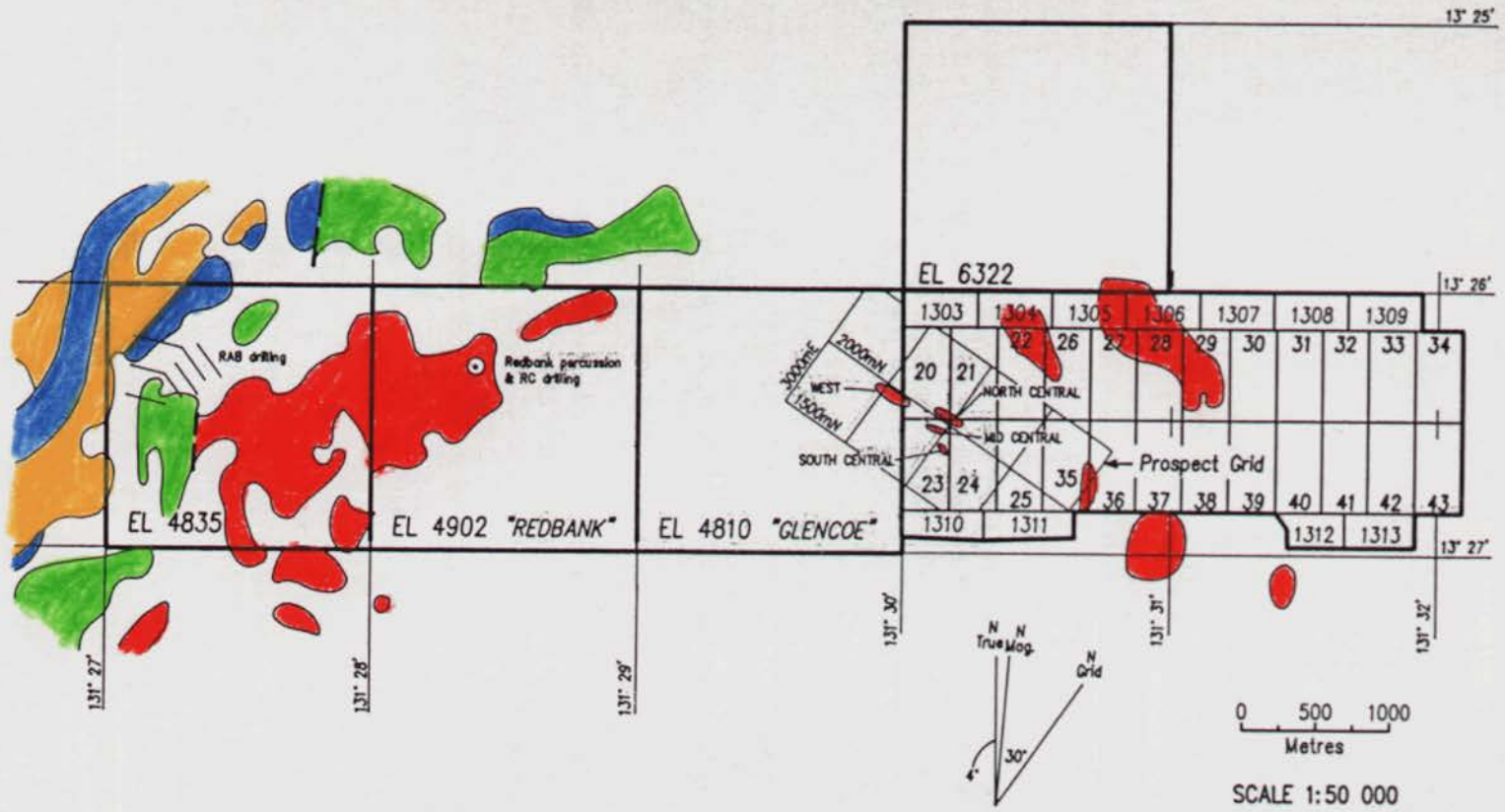


FIGURE 1

LOCATION MAP

scale 1:1 000 000



REFERENCE

- 25 — Mineral Claim
- Fault
- Geological Boundary
- Recent & Cainozoic Cover
- Zamu Dolerite
- Mount Bonnie Formation (?)
- Gerowie Tuff
- Koolpin Formation

EARTH RESOURCES AUSTRALIA PTY LIMITED

MAGNUM GOLD N.L.

GLENCOE PROSPECT

TENEMENT MAP

REPORT NO. A/297 DATE: DECEMBER 1989	FILE NAME: GCTEN AUTHOR: I.M.M.	FIGURE 2

5.0 CURRENT (Year 4) PROGRAM

During the year under review, the following program was undertaken:

1. Ground magnetics survey
2. Surface sampling, follow up of magnetics
3. RAB bedrock geochemistry, follow up of magnetics

5.1 Ground Magnetics

The ground magnetics survey was the principle exploration tool upon which subsequent work was based during the period. Follow up surface and Rab sampling programmes were focused on features relating to the magnetics.

The ground magnetics programme was completed in two stages. The initial survey concentrated on the area known as anomaly A, as some high grade gold arsenic mineralisation had been discovered there. The initial survey, conducted on a 90 metre line spacing and 15 metre along line spacing, utilising a three metre pole, revealed a strong structural control with respect to known mineralisation, with a prominent spot anomaly coincident with the anomaly A mineralisation. In addition a further eight such spot anomalies existed and warranted further attention. The ground magnetics survey was subsequently expanded to the adjoining EL4835. Results are shown in Map 1-sheet 2, and an interpretation is presented in Figure 6.

The known mineralised area (A) is located along a magnetic lineament trending northwest-southeast on the northern flank of a prominent high (H), trending northwest-southeast, also possibly fault bound to the southwest inferring a horsted block. The distinctive noisey northeast-southwest trending feature (BB) in the southeast of the surveyed area is parallel to bedding on air photo (trend lines in Figure 3) and is believed to be related to a black carbonaceous shale.

5.2 Surface Sampling

Surface rockchip and soil samples (Table 1, Figure 4) were taken as a follow up to the ground magnetics. Thirteen rock chip samples were assayed for arsenic, copper, lead, zinc and silver. Eleven were gold fire assayed and sample 24940 returned 0.82ppm gold. Three follow up samples were taken and assayed for gold only (samples 24948 to 24950). The anomalous gold is attributable to sporadic and localised patches of mineralisation within recrystallised cherts in the Mount Bonnie Formation.

Soil samples (-80#, 24908 to 24912) were taken near the first five RAB holes (RBERB001 to RBERB005 respectively) for comparative analysis, and assayed for arsenic only. Results indicate soil sampling to be effective in areas of shallow non-transported regolith.

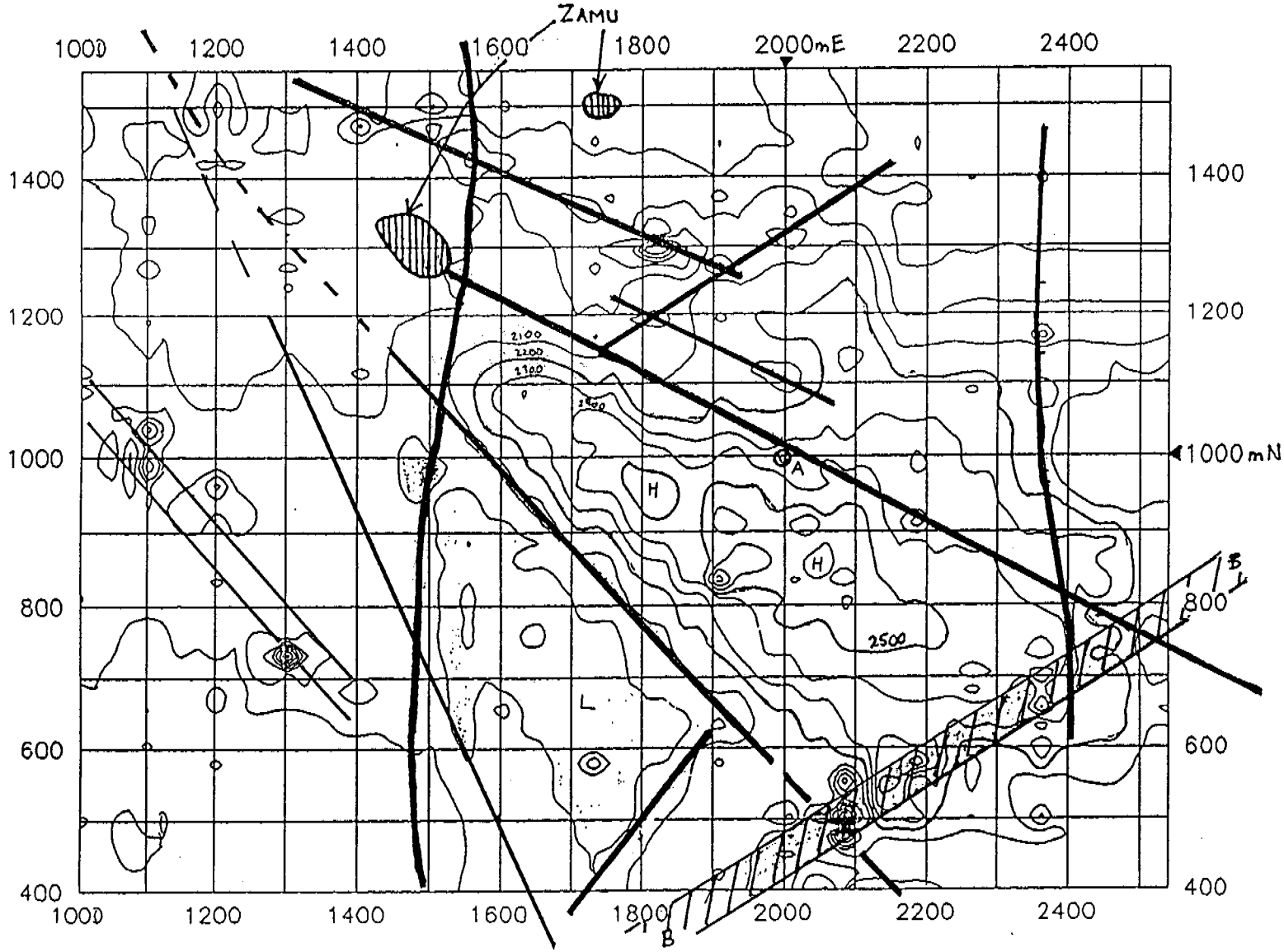


FIGURE 6 MAGNETICS INTERPRETATION

TABLE 1: REDBANK EAST SURFACE SAMPLES

SAMPLE No.	Co mE	Grid mN	Au *	As	Cu	Pb	Zn	Ag	SAMPLE TYPE**	DESCRIPTION
24908	2000	980		120					-80#soil	skeletal soil on siltstone
24909	2000	990		1.49%					-80#soil	skeletal soil
24910	2000	1000		940					-80#soil	schistose siltstone
24911	2000	1010		250					-80#soil	skeletal soil
24912	2000	1020		51					-80#soil	skeletal soil
24937	1700	1150	<0.01	220	19	40	-	<1	rf rnd	banded chert, sacch qtz
24938	1730	1050	<0.01	37	31	162	-	<1	rf rnd	banded chert
24939	1730	1360	0.00	6	24	6	-	<1	o/c rnd	quartz; massive
24940	2120	670	0.82	58	52	13	-	<1	o/c sel	quartz, sacch,fe ox,siltstone
24941	2090	685	0.02	11	20	7	-	<1	o/c rnd	quartz, as for 24940
24942	2040	700	0.24	39	28	10	-	<1	o/c rnd	quartz; massive,sed clasts
24943	1640	580	0.00	28	55	15	-	<1	o/c rnd	altered siltstone,mud/s,qtz vlts
24944	1780	600	0.00	44	54	12	-	<1	o/c rnd	quartz;comb-style,sacch
24945	1730	575	0.01	430	30	16	-	<1	o/c rnd	milky quartz,brecciated siltstone
24946	1700	620	0.00	22	36	11	-	<1	o/c rnd	greywacke; altered? sheared
24947	1730	610	0.00	6	10	44	-	<1	o/c rnd	milky quartz; massive
24948	2120	670	0.90						o/c sel	breccia; siltstone & quartz,fe ox
24949	2120	670	0.07						o/c sel	quartz; sacch,boxwork,breccia
24950	2120	670	0.01						o/c sel	chert; recrystallised,pyrite

*units in ppm unless stated otherwise.

**rf= rock float o/c = outcrop sel= selective rnd= random

5.3 RAB Bedrock Geochemical Sampling

As a follow up to the ground magnetics completed earlier in the season, a total of twenty-seven RAB holes were drilled for bedrock geochemistry. Hole depth was generally six to seven metres for a total of 172 metres drilled. Samples were submitted to Australian Assay Laboratories, Pine Creek and samples 42201 to 42235 assayed for gold (fire assay), arsenic, copper, lead and silver. Samples 42236 to 42371 were assayed for arsenic and copper only. The locations (Figure 5), sample numbers, and assays are compiled in Table 2.

The results indicated no new zones of mineralisation associated with magnetic spot anomalies over EL4902. Comparative results from soil sampling indicate that a program of soil sampling would be most cost effective in exploration. The moderately elevated levels of arsenic and occasional higher copper values are believed to be typical of the high background levels to be found with the stratigraphy.

5.4 Neutron Activation Analysis Sampling

During a regional assessment of neutron activation analysis (NAA)(assays by Becquerel Laboratories Pty. Limited, Lucas Heights) three -80# soil samples were taken from EL4902 and analysed for gold and a suite of 26 other elements (Table 3). Arsenic, barium and zinc are elevated, and chromium and hafnium depleted in comparison to the Glencoe mineralisation. From this it is clear that a different geochemistry exists with Anomaly A, and thus a different style of mineralisation. Arsenic was shown to be the most reliable gold indicator element of the 26 tested.

TABLE 2: EL4902 RAB BEDROCK GEOCHEMICAL SAMPLES

HOLENAME	EAST	NORTH	SAMPLE	BASE	LITHDESC	AU	AS	CU	PB	AG
RBERB001	2000	980	42201	1	SI	0.020	530	69	45	.5
RBERB001	2000	980	42202	2	SX	0.005	320	34	36	.5
RBERB001	2000	980	42203	3	SX	0.005	140	34	28	.5
RBERB001	2000	980	42204	4	SX	0.005	260	51	35	.5
RBERB001	2000	980	42205	5	SX	0.010	410	138	35	.5
RBERB001	2000	980	42206	6	SX	0.070	2200	373	86	.5
RBERB001	2000	980	42207	7	SX	0.005	440	99	35	.5
RBERB002	2000	990	42208	1	GO	20.800	23500	736	331	2
RBERB002	2000	990	42209	2	GO	4.700	1900	720	188	.5
RBERB002	2000	990	42210	3	GO	0.740	8500	322	28	.5
RBERB002	2000	990	42211	4	AY	1.150	22100	543	120	1
RBERB002	2000	990	42212	5	FX	1.430	19100	718	80	.5
RBERB002	2000	990	42213	6	GO	0.450	7800	249	48	.5
RBERB002	2000	990	42214	7	SI	0.170	2900	179	43	.5
RBERB003	2000	1000	42215	1	SX	0.750	2500	110	17	.5
RBERB003	2000	1000	42216	2	SX	1.285	2020	195	15	.5
RBERB003	2000	1000	42217	3	SX	0.120	1600	174	16	.5
RBERB003	2000	1000	42218	4	SI	0.180	1280	172	19	.5
RBERB003	2000	1000	42219	5	SI	0.080	150	116	12	.5
RBERB003	2000	1000	42220	6	SI	0.010	680	125	16	.5
RBERB003	2000	1000	42221	7	SI	0.005	400	100	13	1
RBERB004	2000	1010	42222	1	SX	0.030	690	252	13	.5
RBERB004	2000	1010	42223	2	SX	0.020	460	183	10	.5
RBERB004	2000	1010	42224	3	SX	0.005	470	115	16	.5
RBERB004	2000	1010	42225	4	SX	0.020	550	117	23	.5
RBERB004	2000	1010	42226	5	SX	0.005	630	132	14	.5
RBERB004	2000	1010	42227	6	SX	0.005	200	154	7	.5
RBERB004	2000	1010	42228	7	SX	0.005	160	202	2.5	3
RBERB005	2000	1020	42229	1	SX	0.005	130	123	29	.5
RBERB005	2000	1020	42230	2	SX	0.005	100	101	7	.5
RBERB005	2000	1020	42231	3	SX	0.005	29	32	5	.5
RBERB005	2000	1020	42232	4	SX	0.005	23	19	.5	.5
RBERB005	2000	1020	42233	5	SX	0.005	23	7	2.5	.5
RBERB005	2000	1020	42234	6	SX	0.005	25	4	2.5	.5
RBERB005	2000	1020	42235	7	SX	0.005	76	9	2.5	.5
RBERB006	1820	1295	42236	1	SD		190	49		
RBERB006	1820	1295	42237	2	RG		380	73		
RBERB006	1820	1295	42238	3	QZ		snr			
RBERB006	1820	1295	42239	4	RG		130	56		
RBERB006	1820	1295	42240	5	QZ		110	72		
RBERB006	1820	1295	42241	6	SI		120	94		
RBERB006	1820	1295	42242	7	SI		140	111		
RBERB007	1820	1305	42243	1	SD		380	59		
RBERB007	1820	1305	42244	2	QZ		snr			
RBERB007	1820	1305	42245	3	RG		150	111		
RBERB007	1820	1305	42246	4	SI		170	100		
RBERB007	1820	1305	42247	5	AY		140	122		
RBERB007	1820	1305	42248	6	SI		160	97		
RBERB007	1820	1305	42249	7	SI		150	83		
RBERB008	1820	1315	42250	1	RG		370	73		
RBERB008	1820	1315	42251	2	RG		340	69		
RBERB008	1820	1315	42252	3	RG		snr			
RBERB008	1820	1315	42253	4	SI		150	101		
RBERB008	1820	1315	42254	5	SI		130	71		
RBERB008	1820	1315	42255	6	SX		<100	59		
RBERB008	1820	1315	42256	7	SX		160	88		

TABLE 2: EL4902 RAB BEDROCK GEOCHEMICAL SAMPLES

HOLENAME	EAST	NORTH	SAMPLE	BASE	LITHDESC	AU	AS	CU	PB	AG
RBERB009	1820	1325	42257	1	RG		290	64		
RBERB009	1820	1325	42258	2	RG		300	57		
RBERB009	1820	1325	42259	3	RG		220	69		
RBERB009	1820	1325	42260	4	SI		snr			
RBERB009	1820	1325	42261	5	SI		150	62		
RBERB009	1820	1325	42262	6	SI		120	24		
RBERB009	1820	1325	42263	7	SI		<100	25		
RBERB010	1820	1335	42264	1	RG		220	69		
RBERB010	1820	1335	42265	2	RG		250	71		
RBERB010	1820	1335	42266	3	RG		300	86		
RBERB010	1820	1335	42267	4	SE		200	87		
RBERB010	1820	1335	42268	5	SI		190	93		
RBERB010	1820	1335	42269	6	SI		210	60		
RBERB011	2000	485	42270	1	SD		130	63		
RBERB011	2000	485	42271	2	SD		200	93		
RBERB011	2000	485	42272	3	SX		240	359		
RBERB011	2000	485	42273	4	SX		210	253		
RBERB011	2000	485	42274	5	SX		200	54		
RBERB011	2000	485	42275	6	SX		240	428		
RBERB012	2000	495	42276	1	SD		220	68		
RBERB012	2000	495	42277	2	RG		240	85		
RBERB012	2000	495	42278	3	SX		260	72		
RBERB012	2000	495	42279	4	SX		250	65		
RBERB012	2000	495	42280	5	AY		320	58		
RBERB012	2000	495	42281	6	GW		260	17		
RBERB012	2000	495	42282	7	SX		220	50		
RBERB013	2000	505	42283	1	SD		330	70		
RBERB013	2000	505	42284	2	SX		250	44		
RBERB013	2000	505	42285	3	SX		210	39		
RBERB013	2000	505	42286	4	SX		330	73		
RBERB013	2000	505	42287	5	SX		210	17		
RBERB013	2000	505	42288	6	SX		380	102		
RBERB014	2000	515	42289	1	SD		240	56		
RBERB014	2000	515	42290	2	SX		240	38		
RBERB014	2000	515	42291	3	SX		190	64		
RBERB014	2000	515	42292	4	SX		170	33		
RBERB014	2000	515	42293	5	SX		160	24		
RBERB014	2000	515	0	6	SX		snr			
RBERB015	2000	525	42294	1	SI		280	95		
RBERB015	2000	525	42295	2	SX		190	38		
RBERB015	2000	525	42296	3	SX		200	65		
RBERB015	2000	525	42297	4	SX		170	34		
RBERB015	2000	525	42298	5	SX		130	53		
RBERB015	2000	525	42299	6	SX		170	172		
RBERB016	2180	545	42300	1	RG		230	44		
RBERB016	2180	545	42301	2	SX		170	19		
RBERB016	2180	545	42302	3	SX		150	11		
RBERB016	2180	545	42303	4	SX		130	10		
RBERB016	2180	545	42304	5	SX		100	12		
RBERB016	2180	545	42305	6	SX		120	13		
RBERB017	2180	555	42306	1	RG		210	55		
RBERB017	2180	555	42307	2	SX		180	36		
RBERB017	2180	555	42308	3	SX		160	35		
RBERB017	2180	555	42309	4	QZ		180	45		
RBERB017	2180	555	42310	5	SX		210	62		
RBERB017	2180	555	42311	6	SX		snr			
RBERB018	2180	565	42312	1	RG		snr			

TABLE 2: EL4902 RAB BEDROCK GEOCHEMICAL SAMPLES

HOLENAME	EAST	NORTH	SAMPLE	BASE	LITHDESC	AU	AS	CU	PB	AG
RBERB018	2180	565	42313	2	RG		160	53		
RBERB018	2180	565	42314	3	RG		snr			
RBERB018	2180	565	42315	4	RG		200	41		
RBERB018	2180	565	42316	5	SX		120	30		
RBERB018	2180	565	42317	6	SX		110	25		
RBERB019	2180	575	42318	1	RG		240	59		
RBERB019	2180	575	42319	2	SX		170	36		
RBERB019	2180	575	42320	3	SX		170	65		
RBERB019	2180	575	42321	4	SX		180	38		
RBERB019	2180	575	42322	5	SX		170	37		
RBERB019	2180	575	42323	6	SX		250	34		
RBERB020	2180	585	42324	1	SD		320	64		
RBERB020	2180	585	42325	2	RG		310	38		
RBERB020	2180	585	42326	3	SX		310	53		
RBERB020	2180	585	42327	4	SX		280	31		
RBERB020	2180	585	42328	5	SX		270	47		
RBERB020	2180	585	42329	6	SX		250	110		
RBERB021	2360	1160	42330	1	RG		410	62		
RBERB021	2360	1160	42331	2	RG		390	175		
RBERB021	2360	1160	42332	3	SX		180	27		
RBERB021	2360	1160	42333	4	SX		200	27		
RBERB021	2360	1160	42334	5	SX		200	26		
RBERB021	2360	1160	42335	6	SX		230	60		
RBERB022	2360	1170	42336	1	RG		390	60		
RBERB022	2360	1170	42337	2	RG		380	64		
RBERB022	2360	1170	42338	3	SI		250	30		
RBERB022	2360	1170	42339	4	SI		240	62		
RBERB022	2360	1170	42340	5	SX		190	76		
RBERB022	2360	1170	42341	6	SX		190	76		
RBERB023	2360	1180	42342	1	RG		390	74		
RBERB023	2360	1180	42343	2	RG		snr			
RBERB023	2360	1180	42344	3	SX		360	111		
RBERB023	2360	1180	42345	4	SX		170	93		
RBERB023	2360	1180	42346	5	SX		240	128		
RBERB023	2360	1180	42347	6	SX		300	120		
RBERB024	2360	1190	42348	1	RG		340	70		
RBERB024	2360	1190	42349	2	RG		240	17		
RBERB024	2360	1190	42350	3	SX		180	20		
RBERB024	2360	1190	42351	4	SX		190	28		
RBERB024	2360	1190	42352	5	SX		260	30		
RBERB024	2360	1190	42353	6	SX		360	56		
RBERB025	2450	755	42354	1	RG		350	74		
RBERB025	2450	755	42355	2	RG		300	45		
RBERB025	2450	755	42356	3	SX		310	69		
RBERB025	2450	755	42357	4	SX		250	49		
RBERB025	2450	755	42358	5	SX		290	22		
RBERB025	2450	755	42359	6	SX		300	30		
RBERB026	2450	745	42360	1	RG		340	75		
RBERB026	2450	745	42361	2	RG		360	67		
RBERB026	2450	745	42362	3	SX		310	22		
RBERB026	2450	745	42363	4	SX		330	33		
RBERB026	2450	745	42364	5	SX		390	42		
RBERB026	2450	745	42365	6	SX		450	40		
RBERB027	2450	735	42366	1	RG		530	64		
RBERB027	2450	735	42367	2	RG		150	61		
RBERB027	2450	735	42368	3	SX		<100	22		
RBERB027	2450	735	42369	4	SX		<100	24		

TABLE 2: EL4902 RAB BEDROCK GEOCHEMICAL SAMPLES

HOLENAME	EAST	NORTH	SAMPLE	BASE	LITHDESC	AU	AS	CU	PB	AG
RBERB027	2450	735	42370	5	SX		<100	18		
RBERB027	2450	735	42371	6	SX		<100	19		

* SEE LOG PRINT OUT FOR LITHOLOGIES

TABLE 3:

REDBANK EAST MULTI-ELEMENT NEUTRON ACTIVATION ANALYSIS.
ANALYSES BY BECQUEREL LABORATORIES PTY. LIMITED.

NOTE: A negative sign indicates "less than". Results are in parts per million (ppm) unless otherwise indicated.

SAMPLE	42051	42052	42053
LOCATION (company grid)			
mE	1995	1870	1825
mN	990	1000	1000
ELEMENT			
ANTIMONY	33.40	4.90	.82
ARSENIC	8080.00	3460.00	37.00
BARIUM	440.0	1600.0	1200.0
BROMINE	69.00	23.00	2.80
CERIUM	64.00	100.00	95.00
CAESIUM	-1.00	3.30	3.10
CHROMIUM	-10.0	11.0	10.0
COBALT	3.80	5.00	5.40
EUROPIUM	.89	1.00	.65
GOLD,ppb	2250.0	160.0	5.7
HAFNIUM	5.30	9.10	8.00
IRIDIUM,ppb	-20.0	-20.0	-20.0
IRON,%	3.400	2.00	.570
LANTHANUM	46.00	68.30	49.00
LUTETIUM	.77	.75	.64
MOLYBDENUM	-10.0	-5.0	-5.0
RUBIDIUM	120.0	150.0	180.0
SAMARIUM	6.40	11.00	7.50
SCANDIUM	5.40	5.70	4.90
SELENIUM	-11.00	-5.0	-5.0
SILVER	-5.00	-5.0	-5.0
TANTALUM	-1.00	-1.00	1.70
THORIUM	19.00	27.00	21.00
TUNGSTEN	-2.00	-2.00	3.10
URANIUM	-4.10	-2.00	3.80
YTTERBIUM	1.90	3.20	3.30
ZINC	200.0	130.0	-100.0

6.0 EXPENDITURE

EL4902 SCHEDULE OF EXPENDITURE YEAR FOUR OF LICENCE (TWELVE MONTHS TO 20/4/90)

	Geological Consulting Fees (field & office)	10633.00
	Field assistants	680.00
	Computer Drafting & Plan Printing	720.00
	Laboratory Charges	1548.15
	Drilling	4411.00
	Magnetometer Hire	1595.00
	Field Consumables	189.00
	Photocopying	14.00
*	Provisions & Meals	294.00
*	Accommodation	281.00
*	Communications & freight (post/fax/phone/couriers/radio rents)	355.00
*	Fuel & Oil	227.00
*	Vehicle maintenance	319.00
*	Air Fares/Travel	624.00
*	Base camp maintenance & equipment	279.00
	EL Rent	40.00
		TOTAL 22209.15

* indicates expenses allocated on a pro-rata basis related to geologists time

7.0 RECOMMENDATIONS

The nature of mineralisation at anomaly A is still deemed to be erratic and localised, whilst it is thought to be structurally controlled, based on the magnetics, this is by no means conclusive.

Soil sampling would have to be the most effective method of exploration that may be utilised over EL4902, in light of the comparative results from Rab drilling and soil sampling during the prior periods. Arsenic, copper, lead and zinc would appear to be the most useful pathfinders. The follow up soil sampling should endeavour to make use of structural and stratigraphic information obtained from the detailed ground magnetics during the prior period

If results are encouraging Further drilling and costeaning could be undertaken.

8.0 REFERENCES

Jenkins, B.R. (1989);
Exploration Licence 4902 N.T. Report on Year 3 Exploration to 20 April 1989. Earth Resources Australia Pty. Limited Report A/269. Submitted to N.T. Dept. Mines & Energy April 1989.

Milligan I.M. (1987);
Exploration Licences 4835 & 4902, Grove Hill Area, N.T. Report on Exploration to 20 December 1986. Earth Resources Australia Pty Limited Report A/198. Submitted to N.T. Dept. Mines & Energy January 1987

Milligan I.M. (1988);
Exploration Licence 4902 N.T. Report on Year 2 Exploration to 20 April 1987. Earth Resources Australia Pty Limited Report A/238. Submitted to N.T. Dept. Mines & Energy January 1988

APPENDIX 1

DRILLING LOGS AND GEOLOGICAL DESCRIPTIONS

ROTARY AIRBLAST DRILLHOLES

(RBERB001 - 027)

NAME: RBERB001

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42201	1.000	1.000	SILTSTONE; moderately to highly weathered; schistose; mid-brown; moderately hard; trace of quartz ;
	42202	1.000	2.000	SCHIST; 50%; moderately weathered; similar to above; SCHIST; 45%; mid-grey; QUARTZITE; 05%; trace of unknown mineral ;
	42203	1.000	3.000	SCHIST; 80%; similar to above; CLAY; 20%; pale to very pale grey;
	42204	1.000	4.000	SCHIST; 90%; slightly to moderately weathered; similar to above; and mid to dark grey; CLAY; 10%; similar to above; trace of quartz ;
	42205	1.000	5.000	SCHIST; 85%; similar to above; CLAY; 10%; CHERT; 05%;
	42206	1.000	6.000	SCHIST; 90%; partly similar to above; and slightly ferruginous; CHERT; 10%;
	42207	1.000	7.000	SCHIST; similar to above; partly ferruginous; CLAY; 30%; *** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB001.log - DATE: 05-01-1990 TIME: 03:03:11

NAME: RBERB002

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42208	1.000	1.000	GOSSAN; 90%; dark red-brown; SILTSTONE; 10%; highly ferruginous; extremely abundant limonite ; MINERALIZED ZONE; possible scorodite ; trace of minor quartz ; OPEN VEIN TYPE.
	42209	1.000	2.000	GOSSAN; similar to above; extremely abundant limonite ; SILTSTONE; similar to above; trace of scorodite ;
	42210	1.000	3.000	GOSSAN; similar to above; highly ferruginous; CLAY; pale multicoloured; massive to poorly bedded;
	42211	1.000	4.000	CLAY; slightly ferruginous; similar to above; trace of scorodite ; very abundant limonite ;
	42212	1.000	5.000	IRON OXIDE; HEMATITIC; mid to dark red; GOSSAN; 75%; similar to above; mid-brown; very abundant limonite ; CLAY; 25%; mostly ferruginous; trace of scorodite ;
	42213	1.000	6.000	GOSSAN; 10%; similar to above; SCHIST; 90%; partly ferruginous; mid to dark red-brown and dark brown; random limonite ; abundant
	42214	1.000	7.000	SILTSTONE; slightly weathered; dark grey; SCHIST; moderately weathered; similar to above; common iron oxides ; trace of quartz ; *** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB002.log - DATE: 05-01-1990 TIME: 03:04:11

NAME: RBERB003

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42215	1.000	1.000	SCHIST; highly weathered; slightly silty; brown and pale grey; trace of quartz ;
	42216	1.000	2.000	SCHIST; similar to above; and partly ferruginous; QUARTZ; 10%; grading to CHERT;
	42217	1.000	3.000	SCHIST; 50%; similar to above; SILTSTONE; 50%; slightly silty; dark grey; minor quartz as above;
	42218	1.000	4.000	SILTSTONE; as above; SCHIST; similar to above; 05% quartz ;
	42219	1.000	5.000	SILTSTONE; similar to above; SCHIST; partly iron-stained; similar to above; minor quartz ;
	42220	1.000	6.000	SILTSTONE; similar to above; SCHIST; similar to above; trace of quartz ;
	42221	1.000	7.000	SILTSTONE; 20%; similar to above; SCHIST; similar to above; partly iron-stained; grading to CLAY;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 3.7 - 1988 - FILE: RBERB003.log - DATE: 05-01-1990 TIME: 03:07:26

NAME: RBERB004

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42222	1.000	1.000	SCHIST; highly weathered; mid-red-brown stained blue; soft to moderately hard; minor quartz ;
	42223	1.000	2.000	SCHIST; moderately weathered; similar to above; grading to pale grey; trace of quartz ;
	42224	1.000	3.000	SCHIST; similar to above; multicoloured; pale white; 05% quartz ;
	42225	1.000	4.000	SCHIST; 90%; mostly iron-stained; CHERT; 10%; mid to dark grey-brown;
	42226	1.000	5.000	SCHIST; 95%; partly iron-stained; CHERT; 05%; trace of quartz ;
	42227	1.000	6.000	SCHIST; mid to dark brown grading to CLAY; minor quartz ;
	42228	1.000	7.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 3.7 - 1988 - FILE: RBERB004.log - DATE: 05-01-1990 TIME: 03:08:16

NAME: RBERB005

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42229	1.000	1.000	SCHIST; highly weathered; partly iron-stained; moderately weathered; partly mid to dark grey;
	42230	1.000	2.000	SCHIST; similar to above; trace of quartz ;
	42231	1.000	3.000	SCHIST; slightly to moderately weathered; mostly mid-grey;
	42232	1.000	4.000	SCHIST; similar to above;
	42233	1.000	5.000	SCHIST; similar to above; pale to mid-grey;
	42234	1.000	6.000	SCHIST; similar to above; and mid-brown;
	42235	1.000	7.000	SCHIST; similar to above; and partly extremely micaceous; grey-brown;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB005.log - DATE: 05-01-1990 TIME: 03:09:27

NAME: RBERB006

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42236	1.000	1.000	SURFACE SOIL & DEBRIS; MUDSTONE; moderately siliceous; mid-brown;
	42237	1.000	2.000	REGOLITH; iron-stained; partly clayey; minor quartz ;
	42238	1.000	3.000	QUARTZ; 30%; subtranslucent grey; 30% quartz ; REGOLITH; similar to above; rock type doubtful;
	42239	1.000	4.000	REGOLITH; 30%; minor quartz ; CLAY; 40%; spotted; pale grey; SILTSTONE; 30%; highly weathered; mid to dark grey;
	42240	1.000	5.000	QUARTZ; 10%; transparent colourless; 10% quartz ; CLAY; 80%; similar to above; SILTSTONE; 10%; schistose; mid-brown;
	42241	1.000	6.000	SILTSTONE; 90%; partly ferruginous; multicoloured; CLAY; 10%; similar to above; trace of quartz ;
	42242	1.000	7.000	SILTSTONE; slightly weathered; mid to dark grey-brown;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB006.log - DATE: 05-01-1990 TIME: 03:10:14

NAME: RBERB007

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42243	1.000	1.000	SURFACE SOIL & DEBRIS; common quartz ;
	42244	1.000	2.000	QUARTZ; 10%; mid-colourless; 10% quartz ; REGOLITH; 10%; silty; and ferruginous.
	42245	1.000	3.000	REGOLITH; 10%; similar to above; SILTSTONE; 90%; mid-grey grading to CLAY; trace of quartz ;
	42246	1.000	4.000	SILTSTONE; clayey; similar to above;
	42247	1.000	5.000	CLAY; 30%; similar to above; SILTSTONE; 70%; moderately weathered; trace of quartz ;
	42248	1.000	6.000	SILTSTONE; similar to above;
	42249	1.000	7.000	SILTSTONE; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB007.log - DATE: 05-01-1990 TIME: 03:10:57

NAME: RBERB008

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42250	1.000	1.000	REGOLITH; moderately ferruginous; common quartz ;
	42251	1.000	2.000	REGOLITH; similar to above; partly clayey; minor quartz ; trace of iron oxides ;
	42252	1.000	3.000	REGOLITH; 20%; similar to above; SILTSTONE; partly clayey;
	42253	1.000	4.000	SILTSTONE; partly clayey;
	42254	1.000	5.000	SILTSTONE; 60%; moderately weathered; similar to above; CLAY; pale grey;
	42255	1.000	6.000	SCHIST; 50%; micaceous; SILTSTONE; 50%; clayey;
	42256	1.000	7.000	SCHIST; 50%; as above; SILTSTONE; 50%; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB008.log - DATE: 05-01-1990 TIME: 03:11:45

NAME: RBERB009

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42257	1.000	1.000	REGOLITH; moderately ferruginous; common to abundant quartz ;
	42258	1.000	2.000	REGOLITH; 50%; partly clayey; moderately ferruginous; SILTSTONE; 50%; trace of quartz ;
	42259	1.000	3.000	REGOLITH; ?rock type doubtful; ferruginous; mid to dark red; SILTSTONE; pale grey-green; trace of quartz :
	42260	1.000	4.000	SILTSTONE; 60%; highly weathered; mostly clayey; common iron oxides ; QUARTZ; 10%; subtranslucent colourless; 10% quartz ; CONTAMINATED SAMPLE; 30%;
	42261	1.000	5.000	SILTSTONE; 40%; highly clayey; SILTSTONE; 60%; multicoloured;
	42262	1.000	6.000	SILTSTONE; 60%; partly similar to above; CLAY; 40%;
	42263	1.000	7.000	SILTSTONE; as above;
				xxx END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB009.log - DATE: 05-01-1990 TIME: 03:12:31

NAME: RBERB010

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42264	1.000	1.000	REGOLITH; moderately ferruginous; trace of quartz ;
	42265	1.000	2.000	REGOLITH; similar to above; and highly clayey; minor quartz ;
	42266	1.000	3.000	REGOLITH; 70%; similar to above; CLAY; 30%;
	42267	1.000	4.000	SEDIMENTS; extremely weathered; sandy; CLAY; trace of quartz ;
	42268	1.000	5.000	SILTSTONE; 80%; extremely clayey; pale SILTSTONE; 20%; mid to dark grey;
	42269	1.000	6.000	SILTSTONE; moderately weathered; multicoloured; trace of quartz ;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB010.log - DATE: 05-01-1990 TIME: 03:13:12

NAME: RBERB011

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42270	1.000	1.000	SURFACE SOIL & DEBRIS;
	42271	1.000	2.000	SURFACE SOIL & DEBRIS; moderately ferruginous; trace of quartz ;
	42272	1.000	3.000	SCHIST; 60%; CLAY; 40%;
	42273	1.000	4.000	SCHIST; mid-brown;
	42274	1.000	5.000	SCHIST; similar to above;
	42275	1.000	6.000	SCHIST; SILTSTONE;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB011.log - DATE: 05-01-1990 TIME: 08:27:24

NAME: RBERB012

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42276	1.000	1.000	SURFACE SOIL & DEBRIS; moderately ferruginous; trace of quartz ;
	42277	1.000	2.000	REGOLITH; similar to above; highly ferruginous; partly clayey; minor quartz ;
	42278	1.000	3.000	SCHIST; slightly ferruginous; mid-brown;
	42279	1.000	4.000	SCHIST; 60%; similar to above; mostly clayey; GREYWACKE; 40%; silty; dark grey;
	42280	1.000	5.000	CLAY; slightly ferruginous; GREYWACKE; similar to above; granule-sized; CHERT; common quartz ;
	42281	1.000	6.000	GREYWACKE; 10%; as above; SCHIST; 50%; moderately weathered; CLAY; 40%; common quartz ;
	42282	1.000	7.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB012.log - DATE: 05-01-1990 TIME: 08:27:55

NAME: RBERB013

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42283	1.000	1.000	SURFACE SOIL & DEBRIS; partly ferruginous; common quartz ;
	42284	1.000	2.000	SCHIST; mostly ferruginous; partly clayey;
	42285	1.000	3.000	SCHIST; slightly to moderately weathered;
	42286	1.000	4.000	SCHIST; similar to above; mid to dark brown;
	42287	1.000	5.000	SCHIST; similar to above;
	42288	1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.2 - 1988 - FILE: RBERB013.log - DATE: 05-01-1990 TIME: 03:28:33

NAME: RBERB014

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42289	1.000	1.000	SURFACE SOIL & DEBRIS; slightly ferruginous;
	42290	1.000	2.000	SCHIST; highly weathered;
	42291	1.000	3.000	SCHIST; moderately weathered; mid-khaki;
	42292	1.000	4.000	SCHIST; similar to above;
	42293	1.000	5.000	SCHIST; similar to above;
		1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.2 - 1988 - FILE: RBERB014.log - DATE: 05-01-1990 TIME: 03:29:04

NAME: RBERB015

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42294	1.000	1.000	SILTSTONE; partly quartzose;
	42295	1.000	2.000	SCHIST; highly weathered; mid-grey stained brown;
	42296	1.000	3.000	SCHIST: similar to above;
	42297	1.000	4.000	SCHIST; slightly to moderately weathered; pale to mid-brown;
	42298	1.000	5.000	SCHIST; similar to above;
	42299	1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB015.log - DATE: 05-01-1990 TIME: 03:29:33

NAME: RBERB016

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42300	1.000	1.000	REGOLITH; mostly ferruginous; trace of quartz ;
	42301	1.000	2.000	SCHIST; highly weathered;
	42302	1.000	3.000	SCHIST; moderately weathered; mostly mid-brown;
	42303	1.000	4.000	SCHIST; similar to above;
	42304	1.000	5.000	SCHIST; slightly weathered; similar to above;
	42305	1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB016.log - DATE: 05-01-1990 TIME: 03:30:03

NAME: RBERB017

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42306	1.000	1.000	REGOLITH; mostly ferruginous;
	42307	1.000	2.000	SCHIST; highly weathered;
	42308	1.000	3.000	SCHIST; moderately weathered; similar to above; mid-brown;
	42309	1.000	4.000	QUARTZ; 10%; opaque white; 10% quartz ; SCHIST; and partly clayey;
	42310	1.000	5.000	SCHIST; similar to above; 05% quartz veinlets;
	42311	1.000	6.000	SCHIST; similar to above; grading to GREYWACKE; possible iron oxides ; in sediment;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB017.log - DATE: 05-01-1990 TIME: 03:30:33

NAME: RBERB018

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42312	1.000	1.000	REGOLITH; moderately ferruginous;
	42313	1.000	2.000	REGOLITH; moderately ferruginous; and clayey;
	42314	1.000	3.000	REGOLITH; moderately ferruginous; trace of gossan ; CHERT; trace of
	42315	1.000	4.000	REGOLITH; 30%; similar to above; SCHIST; 70%; extremely weathered;
	42316	1.000	5.000	SCHIST; moderately weathered; mid-khaki;
	42317	1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB018.log - DATE: 05-01-1990 TIME: 03:31:57

NAME: RBERB019

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42318	1.000	1.000	REGOLITH; 70%; mid-SCHIST; 30%;
	42319	1.000	2.000	SCHIST; moderately weathered; mid to dark grey;
	42320	1.000	3.000	SCHIST; similar to above;
	42321	1.000	4.000	SCHIST; slightly weathered;
	42322	1.000	5.000	SCHIST; similar to above; trace of quartz ;
	42323	1.000	6.000	SCHIST; similar to above; grading to GREYWACKE;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB019.log - DATE: 05-01-1990 TIME: 03:32:26

NAME: RBERB020

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42324	1.000	1.000	SURFACE SOIL & DEBRIS; moderately ferruginous;
	42325	1.000	2.000	REGOLITH; SCHIST;
	42326	1.000	3.000	SCHIST; similar to above; CLAY; slightly ferruginous;
	42327	1.000	4.000	SCHIST; partly ferruginous;
	42328	1.000	5.000	SCHIST; moderately weathered; mid to dark khaki;
	42329	1.000	6.000	SCHIST; slightly weathered; pale to mid-brown;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 1.7 - 1988 - FILE: RBERB020.log - DATE: 05-01-1990 TIME: 03:32:59

NAME: RBERB021

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42330	1.000	1.000	REGOLITH; common to abundant quartz ;
	42331	1.000	2.000	REGOLITH; 50%; common quartz ; SILTSTONE; 50%; extremely weathered;
	42332	1.000	3.000	SCHIST; moderately weathered; pale to mid-khaki; trace of quartz ; common magnesite ;
	42333	1.000	4.000	SCHIST; similar to above;
	42334	1.000	5.000	SCHIST;
	42335	1.000	6.000	SCHIST;
				*** END OF HOLE ***

NAME: RBERB022

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42336	1.000	1.000	REGOLITH; slightly ferruginous; common quartz ;
	42337	1.000	2.000	REGOLITH; moderately ferruginous; common quartz ;
	42338	1.000	3.000	SILTSTONE; moderately weathered; pale to mid-khaki;
	42339	1.000	4.000	SILTSTONE; similar to above;
	42340	1.000	5.000	SCHIST; 50%; similar to above; GREYWACKE; 40%; CLAY; 10%; pale green;
	42341	1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

NAME: RBERB023

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42342	1.000	1.000	REGOLITH; moderately ferruginous; common quartz ;
	42343	1.000	2.000	REGOLITH; highly ferruginous; CLAY; pale green; common quartz ;
	42344	1.000	3.000	SCHIST; moderately weathered; khaki;
	42345	1.000	4.000	SCHIST;
	42346	1.000	5.000	SCHIST; slightly weathered;
	42347	1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 3.7 - 1988 - FILE: RBERB023.log - DATE: 05-01-1990 TIME: 03:36:06

NAME: RBERB024

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42348	1.000	1.000	REGOLITH; slightly ferruginous; common quartz ;
	42349	1.000	2.000	REGOLITH; 20%; minor quartz ;
	42350	1.000	3.000	SCHIST; 80%; moderately weathered; mid-Khaki; CLAY; 20%; pale green;
	42351	1.000	4.000	SCHIST; 80%; similar to above; CLAY; 20%;
	42352	1.000	5.000	SCHIST; 90%; similar to above; CLAY; 10%; similar to above;
	42353	1.000	6.000	SCHIST; similar to above;
				*** END OF HOLE ***

ERALOG SYSTEM - VERSION 3.7 - 1988 - FILE: RBERB024.log - DATE: 05-01-1990 TIME: 03:36:33

NAME: RBERB025

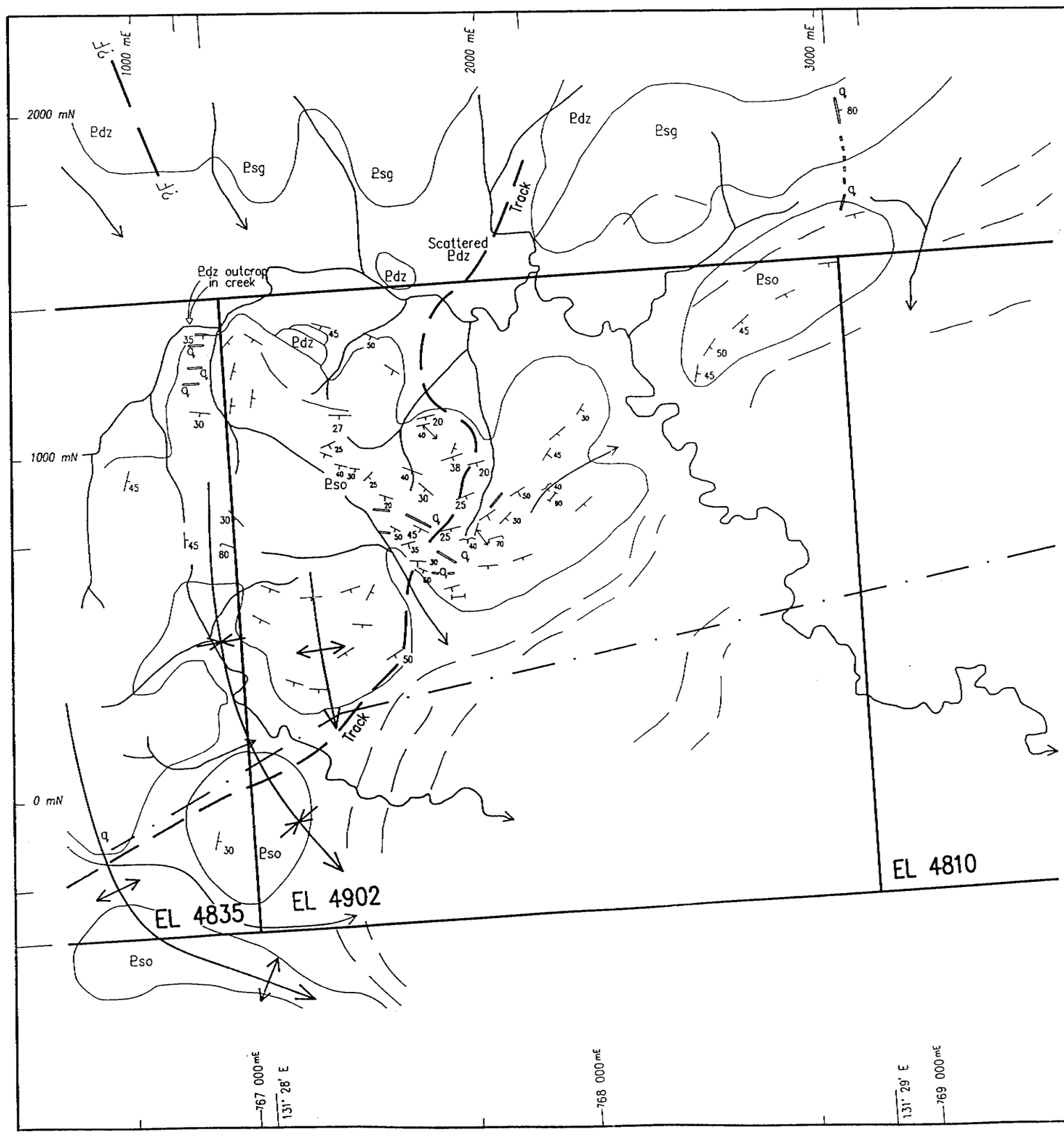
LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42354	1.000	1.000	REGOLITH; moderately to highly ferruginous; minor quartz ;
	42355	1.000	2.000	REGOLITH; similar to above; minor quartz ;
	42356	1.000	3.000	SCHIST; moderately weathered; mid-khaki;
	42357	1.000	4.000	SCHIST; similar to above;
	42358	1.000	5.000	SCHIST; similar to above;
	42359	1.000	6.000	SCHIST; slightly weathered;
				*** END OF HOLE ***

NAME: RBERB026

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42360	1.000	1.000	REGOLITH; moderately ferruginous; common quartz ;
	42361	1.000	2.000	REGOLITH; 50%; similar to above; SILTSTONE; 50%; extremely weathered;
	42362	1.000	3.000	SCHIST; moderately weathered; mid-brown;
	42363	1.000	4.000	SCHIST; similar to above;
	42364	1.000	5.000	SCHIST; slightly weathered; similar to above;
	42365	1.000	6.000	SCHIST;
				*** END OF HOLE ***

NAME: RBERB027

LITH UNIT	SAMPLE NUMBER	THICK (m)	DEPTH TO BASE (m)	GEOLOGICAL DESCRIPTION
	42366	1.000	1.000	REGOLITH: moderately ferruginous;
	42367	1.000	2.000	REGOLITH; similar to above;
	42368	1.000	3.000	SCHIST; moderately weathered; mid to dark khaki;
	42369	1.000	4.000	SCHIST; 80%; similar to above; CHERT; 20%; opaque off-white; possible magnesite ;
	42370	1.000	5.000	SCHIST; similar to above; common magnesite ;
	42371	1.000	6.000	SCHIST; slightly weathered; mid to dark khaki; minor magnesite ;
				*** END OF HOLE ***



LEGEND

- Geological boundary, approximate
- ?F — Possible fault
- Anticlinal axis with plunge
- Synclinal axis with plunge
- 30 / 40 — Strike and dip of strata/lineation
- Trend line
- 55 — Strike and dip of cleavage
- q — Quatrz outcrop/reef (with dip)
- Drainage
- Road, track
- Fenceline

8514 000 mN

13° 26' S

ROCK UNITS (Outcrop Areas)

8513 000 mN

- Pdz — Zamu Dolerite
- Pso — Mount Bonnie Formation
- Psg — Gerowie Tuff
- Psk — Koolpin Formation

MAG N
AMG N
4°

GRIDS: 1. *Company Grid aligned with magnetic north, equivalent to AMG 767785mE, 8513164mN*
2. Australian Map Grid zone 52 L GL

8512 000 mN

13° 27' S

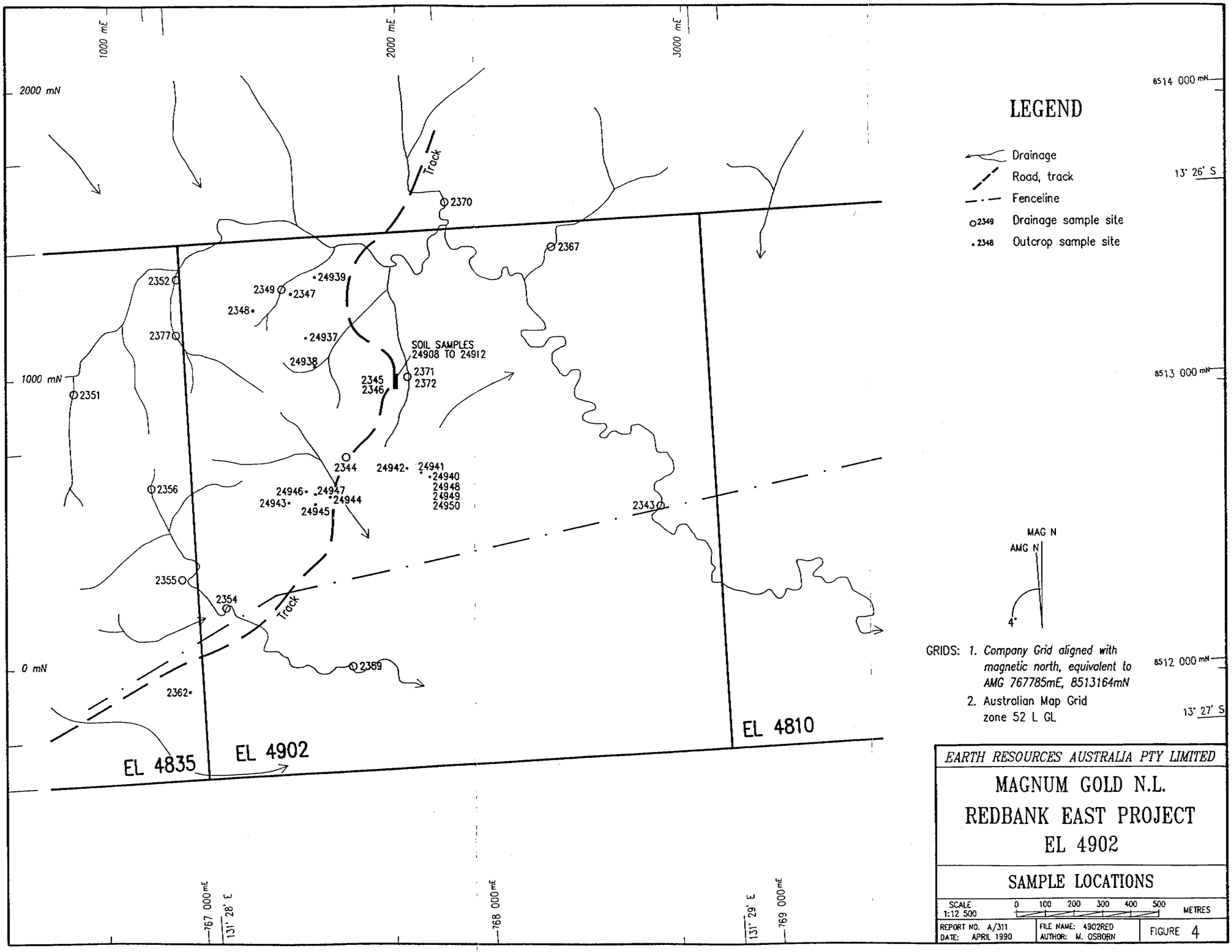
EARTH RESOURCES AUSTRALIA PTY LIMITED

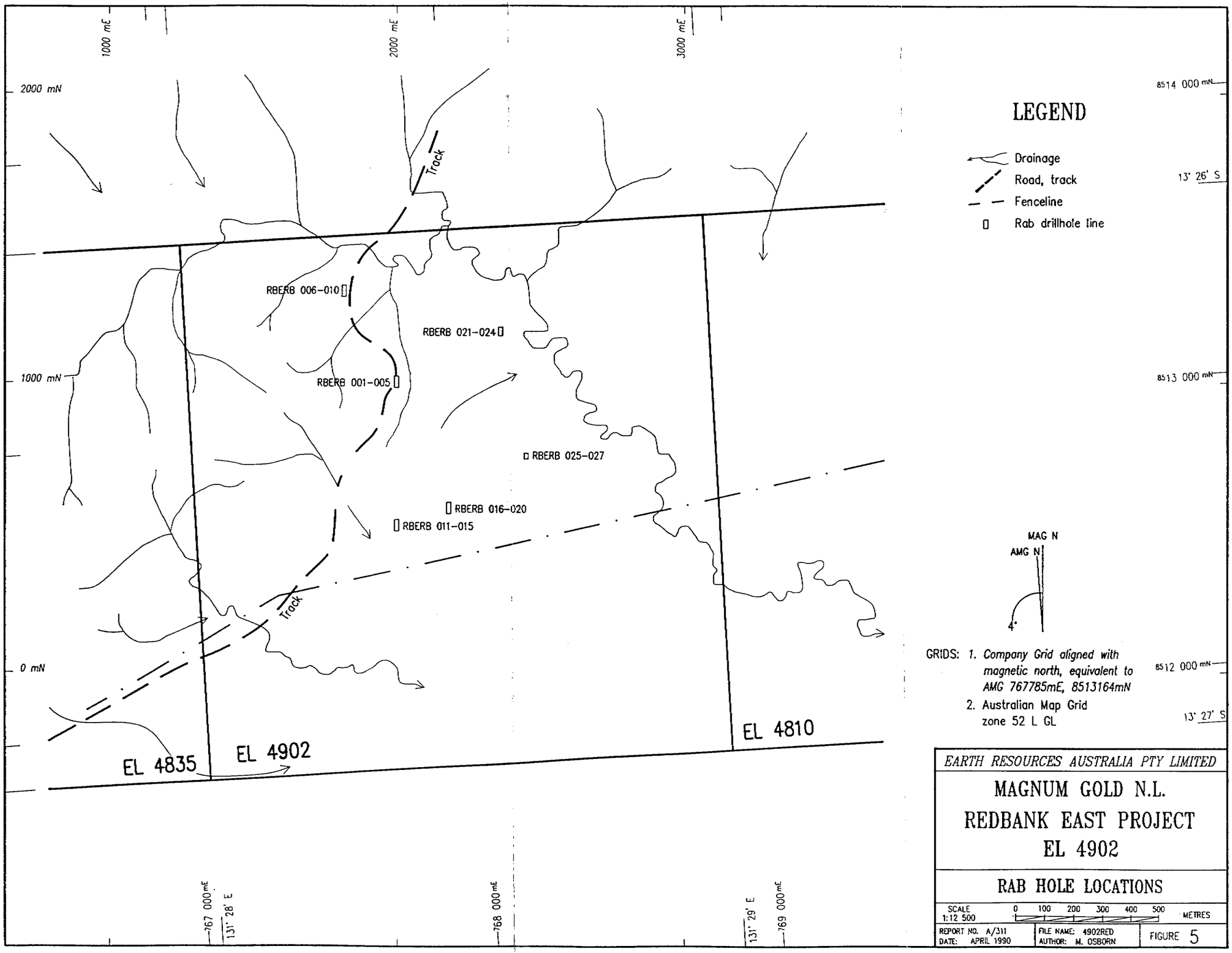
MAGNUM GOLD N.L.
REDBANK EAST PROJECT
EL 4902

GEOLOGY

SCALE 1:12 500 — 0 100 200 300 400 500 METRES

REPORT NO. A/311
DATE: APRIL 1990
FILE NAME: 4902RED
AUTHOR: W. OSBORN
FIGURE 3


1000 mE
2000 mE
3000 mE
2000 mN
1000 mN
0 mN
8514 000 mN
8513 000 mN
8512 000 mN
13° 26' S
13° 27' S
767 000mE
768 000mE
769 000mE
131° 28' E
131° 29' E
Track
Track
2370
2367
2352
2349
2347
24939
2348
2377
24937
24938
SOIL SAMPLES
24908 TO 24912
2371
2372
2345
2346
2351
2344
24942
24941
24940
24948
24949
24950
24946
24947
24944
24943
24945
2356
2343
2355
2354
2389
2362
EL 4835
EL 4902
EL 4810
LEGEND
Drainage
Road, track
Fenceline
2349 Drainage sample site
2348 Outcrop sample site
MAG N
AMG N
4°
GRIDS: 1. Company Grid aligned with magnetic north, equivalent to AMG 767785mE, 8513164mN
2. Australian Map Grid zone 52 L GL
EARTH RESOURCES AUSTRALIA PTY LIMITED
MAGNUM GOLD N.L.
REDBANK EAST PROJECT
EL 4902
SAMPLE LOCATIONS
SCALE 1:12 500
0 100 200 300 400 500 METRES
REPORT NO. A/311
DATE: APRIL 1990
FILE NAME: 4902RED
AUTHOR: M. OSBORN
FIGURE 4


1000 mE
2000 mE
3000 mE
2000 mN
1000 mN
0 mN
8514 000 mN
8513 000 mN
8512 000 mN
13° 26' S
13° 27' S
Track
Track
RBERB 006-010
RBERB 021-024
RBERB 001-005
RBERB 025-027
RBERB 016-020
RBERB 011-015
EL 4835
EL 4902
EL 4810
767 000mE
131° 28' E
768 000mE
131° 29' E
769 000mE
LEGEND
Drainage
Road, track
Fenceline
Rab drillhole line
MAG N
AMG N
4°
GRIDS: 1. Company Grid aligned with magnetic north, equivalent to AMG 767785mE, 8513164mN
2. Australian Map Grid zone 52 L GL
EARTH RESOURCES AUSTRALIA PTY LIMITED
MAGNUM GOLD N.L.
REDBANK EAST PROJECT
EL 4902
RAB HOLE LOCATIONS
SCALE 1:12 500
0 100 200 300 400 500 METRES
REPORT NO. A/311
DATE: APRIL 1990
FILE NAME: 4902RED
AUTHOR: M. OSBORN
FIGURE 5

13° 20' S

EL4902

1500 mN

1000 mN

500 mN

EL4835

EL4902

1500 mE

2000 mE

2500 mE

LOCAL GRID ALIGNED ON MAGNETIC NORTH. ie. 4° EAST OF TRUE.
2000mE, 1000mN LOCAL GRID APPROXIMATES TO 767780mE, 8513150mN AMG.

EARTH RESOURCES AUSTRALIA PTY LIMITED

MAGNUM GOLD N.L.

REDBANK PROSPECT, N.T.
EL 4835 AND EL 4902
GROUND MAGNETIC SURVEY
CORRECTED VALUES

SCALE 1:2 000 | 0 100 METRES

REPORT NO. A/302 | FILE NAME: REDMAG

DATE: JANUARY 1990 | AUTHOR: I.M. MILLIGAN

MAP 1 SHEET 2