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EXPLORATION LICENCE 5282

20.11.89

ANNUAL REPORT

For the Period:

5TH OCTOBER 1988 to 4TH OCTOBER 1989

by

GIANTS REEF MINING PTY LTD

OPEN FILE

for

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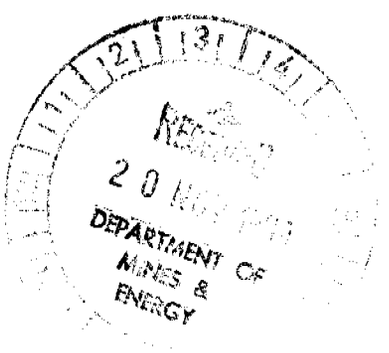
N. BYRNE & ASSOCIATES PTY LTD



CR89/776A

PINE CREEK 1:250 000
SD 52-8
BATCHELOR 1:100 000
5171
DM & E 14/2

N. Byrne
DARWIN, N.T.
November, 1989

This is the Annual Report on EL 5282 covering the period from 5th October 1988 to 4th October 1989.

1. TENURE

Exploration Licence 5282 was granted to N. Byrne & Associates Pty Ltd on the 5th October 1987 for a period of 3 years. The area originally covered 5 blocks (10 square kilometres) and was reduced to 3 blocks at the end of the second year of tenure.

The EL was originally contiguous with EL 4845 and was subject to an exploration joint venture with Harlock Pty Ltd as Trustee for the Mount Bonnie Gold Unit Trust. This agreement was in force until the end of September 1988. Under the terms of the agreement, Harlock was the manager/operator. During the term of the joint venture no field work was carried out on this licence.

As part of a restructuring process Giants Reef Mining Pty Ltd are now managers/ operators of EL 5282.

2. WORK DONE

Work carried out during the year included research, regional geological structural interpretation using colour photographs flown in 1987, followed by field confirmation during a rock chip geochemical sampling programme. A limited costeaning programme and auger drilling are planned for completion this field season but were not carried out by the anniversary date. Details of all work carried out and results are incorporated in the report appended hereto prepared by consulting geologist J.A. Earthrowl (Appendix 1).

3. EXPENDITURE

The expenditure covenant for the second year of tenure was $10,000. The actual expenditure for the licence period was as follows:

	$
Salaries and wages	2600
Consultant geologist	3550
Assaying	1525
Vehicles	1305
Drafting, research and data compilation	1660
	10640
Administration and overheads: 15%	1596
TOTAL:	$12236

COMMENTS

As ELs 4845, 4868 and 5282 were originally contiguous they were considered as one project "Sundance Project" and worked as such since the expiry of the

Harlock Joint Venture. Consulting geologist J.A. Earthrowl was contracted to compile the results of all work carried out over the Sundance project and to commence an exploration programme which would effectively evaluate all tenements held. His report is attached hereto as Appendix 1.

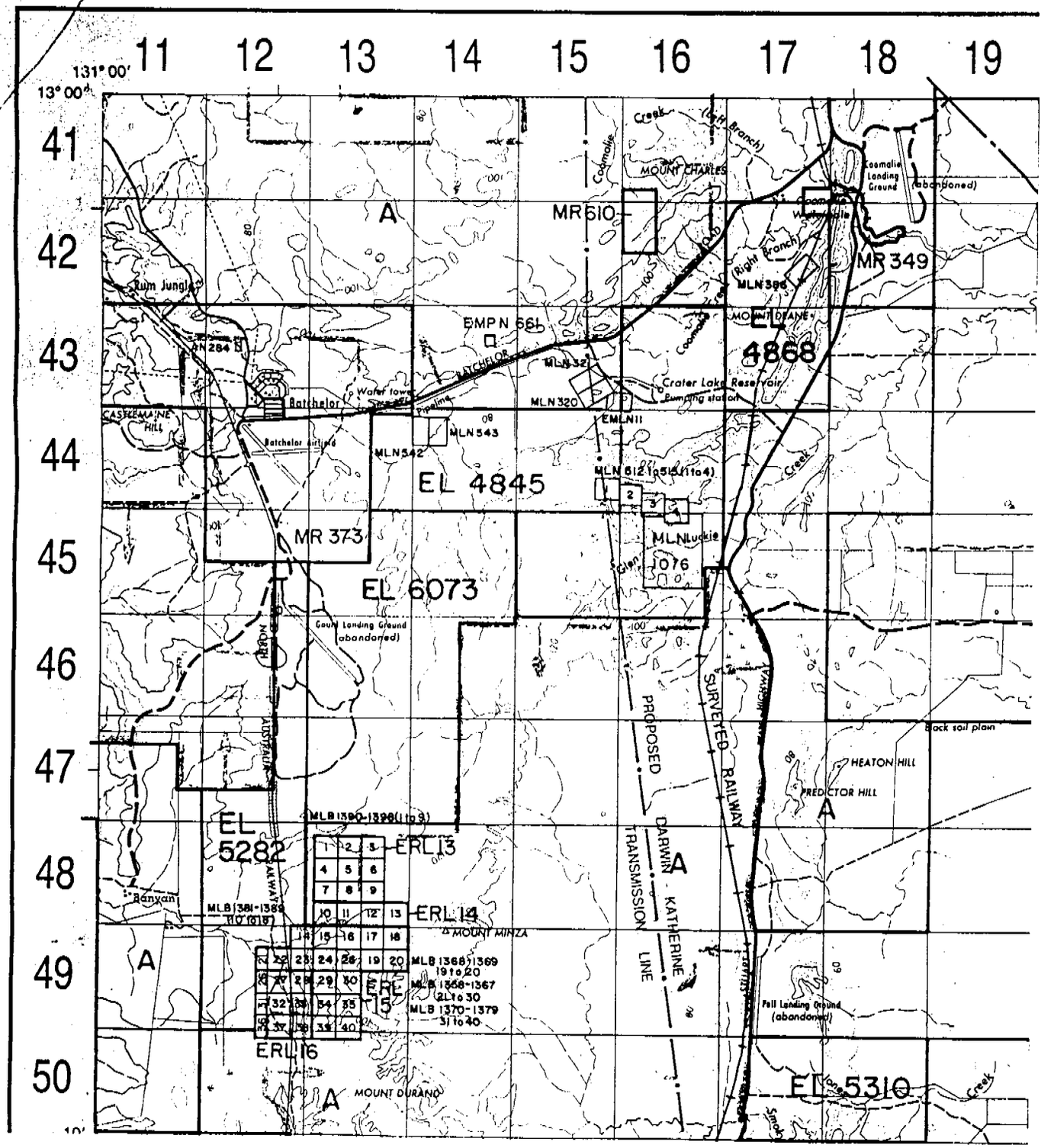
Attachments:

. Extract from Batchelor 1:100 000 Tenement Sheet 14/2

. Appendix 1: J.A. Earthrowl September 1989 EL 5282 Report on Activities for the Period: June to September 1989

EL 5282

EXTRACT FROM: BATCHELOR 1:100 000 TENEMENT SHEET 14/2



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20.11.89

EL 5282

BATCHELOR, NORTHERN TERRITORY, AUSTRALIA

REPORT ON ACTIVITIES FOR THE PERIOD: JUNE TO SEPTEMBER 1989

by

CONSULTING GEOLOGIST
JOHN A. EARTHROWL, M.Sc. M.Aus.I.M.M.
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KALAMUNDA WA 6076

for
GIANTS REEF MINING PTY LTD

PINE CREEK 1: 250 000
SD52-8
BATCHELOR 1:100 000
5171
DM & E 14/2

DARWIN, N.T.
SEPTEMBER, 1989

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SUMMARY

Field traversing in order to assess the potential of EL 5282 for gold mineralisation was carried out.

Results of past exploration activity, although aimed mainly at other minerals, is of some use.

Field activity in 1989 has resulted in the upgrading of especially the northern part of the EL. Evidence of karst topography, probably developing over Coomalie Dolomite, has been outlined.

Gold values to 0.30 ppm from samples similar to the host lithology at the nearby Sundance gold mine were obtained. Very anomalous high base metal values were also obtained from two areas in, and in the vicinity of, EL 5282.

It is recommended that the top half of the EL be retained by pegging mineral claims and further tested.

1. INTRODUCTION

This report, prepared for Giants Reef Mining Pty Ltd on behalf of P. Purich and N. Byrne & Associates Pty Ltd, the tenement holders, covers the exploration activities on EL 5282, during the period from June to September 1989. No work had been carried out by the tenement holder's joint venture partner, Harlock Pty Ltd.

Figures 1 and 3 show the location of the tenement regionally and locally.

EL 5282 is situated 80 kilometres south of Darwin, 4 kilometres south-east of Batchelor and is readily accessible by roads, tracks and fence lines. The EL is dissected by the abandoned Darwin-Larrimah railway line and the northern end is partly covered by the World War II Gould airstrip

The topography of the tenement is no hindrance to vehicular access anywhere and the few large creeks are only impassable in the wet season. Vegetation is savannah grasslands with few thickets of mature trees.

2. TENEMENT SITUATION AND HISTORY

EL 5282 was granted on 5th October 1987 to N. Byrne & Associates Pty Ltd. The EL was incorporated into the Sundance Project which was at that time the subject of negotiations for a purchase/joint venture agreement between the tenement holders and Harlock Pty Ltd (a company controlled by the principals of the Henry Walker Group and Kumagai Gumi) as trustee for the Mount Bonnie Gold Unit Trust. These negotiations involved the Sundance Prospect within MLN 542 and MLN 543 and resulted in a mining/purchase agreement being entered into in June 1986 which expired at the end of September 1988. An exploration/joint venture agreement involving EL 4845, MLNs 512-515, EL 4868 and subsequently EL 5282, was signed at the end of September 1986 and expired at the end of September 1988. Under the terms of both agreements, Harlock was the sole operator, employing the services of Eupene Exploration Enterprises to carry out the required work programmes.

The EL originally covered 5 blocks of approximately 10 square kilometres. Statutory reductions have reduced the area to 3 blocks of approximately 8 square kilometres.

3. GEOLOGICAL SETTING

3.1 REGIONAL GEOLOGY

EL 5282 is located within the Rum Jungle Mineral Field which in turn is in the western portion of the Pine Creek Geosyncline.

The Rum Jungle Mineral Field is dominated by the Archean crystalline basement rocks of the Rum Jungle and Waterhouse Granite Complexes and these are flanked by Lower Proterozoic sediments which are host to various metallic mineralisation.

A simplified stratigraphic column, after the Bureau of Mineral Resources, showing Proterozoic units only, is shown as Table 1.

Structurally, the north-east trending Giants Reef Fault system and subsidiary Mount Fitch Fault affects the stratigraphy markedly. The Giants Reef Fault direction is repeated on a lesser scale throughout the area.

3.2 LOCAL GEOLOGY

EL 5282 is located on the eastern flank of the Waterhouse Granite where the poorly outcropping Mount Partridge Group sediments strike mainly north but start a north-east swing influenced by subsidiary faulting subparallel to the Giants Reef Fault and the Rum Jungle Granite Complex to the north.

Figures 2 and 5 show the tenement on a geology base.

BMR mapping over the past 25 years shows considerable confusion in the vicinity of EL 5282. The 1 inch = 1 mile geology series shows all outcrops in the EL to be Coomalie Dolomite. By the 1980's, the BMR mapping shows none of that unit outcropping within the EL. All outcrops are shown as Mount Partridge, Whites Formation and Wildman Siltstone. By extrapolation however, the BMR does show Coomalie Dolomite present under the northern end of the Gould airstrip, just within the EL.

4. METALLOGENIC SETTING

4.1 REGIONAL METALLOGENY

EL 5282 falls within the Rum Jungle Uranium Field, or as it should be more correctly named; the Rum Jungle Mineral Field.

Needham (1981) made a statistical study of metallic mines and projects in the entire Pine Creek Geosyncline. His data excludes the following significant recent developments:

- Woodcutters Pb-Zn-Ag mine going into production;
- Goodall Au mine discovery and production;
- Tom's Gully Au mine discovery and production;
- Cosmo Howley going into production;
- Sundance Au mine discovery and production;

plus others of lesser importance.

Needham's paper included data up to 31.12.1980 with 563 metallic mineral occurrences of which 410 are, or have been, mines or deposits with published reserves. From these, 16 metals dominated by uranium, have been mined.

His Table 2, Relative Value of Production/Reserves/Resources by Mineral Field, lists the Rum Jungle Mineral Field as ranking second, after the Alligator River Field, and having deposits of uranium, lead, silver, zinc, copper, cobalt and gold.

Needham's Table 3, Mineral Fields Ranked in Order of Average Mine/Deposit Value, lists the Rum Jungle Mineral Field as ranking second with an aver-

age deposit value of $141.9 million, the field having produced uranium, lead, silver, zinc and copper.

For the Rum Jungle Mineral Field, Needham lists 27 metallic mineral occurrences which generated the above data. These 27 are listed in Table 2 with details. Note that gold, albeit in small amounts, has been produced from the Virginia and Batchelor deposits.

Gold has apparently been reported in the Coomalie Dolomite below the Browns Deposit (0.2 g/t). Interestingly, no gold has been reported from the Woodcutters Pb-Zn-Ag mine, the orebodies of which are within the Whites Formation immediately above the Coomalie Dolomite.

The most significant gold mineralisation in the environs of EL 5282 is the Sundance mine on MLNs 542 and 543, within EL 4845. Mineralisation is hosted by quartz breccia with varying amounts of iron oxide matrix, locally gossanous and rich in secondary quartz as void filling crystal growths and chalcedony. Rare coarse grained gold has been identified in the quartz clasts and the matrix. Mineragraphic studies done show only very fine gold in the matrix.

The 1986 Sundance mining activity produced no completed geological maps or sections of the three open cuts, thus no details of ore occurrence are known. Verbal communication has reported that the gold ore occurred as detached blocks within a karstic cave complex of the Coomalie Dolomite. Neither total tonnage mined nor grades obtained are available. In 1986 Eupene Exploration Enterprises estimated that 13,970 tonnes of proven and probable categories grading 8.16 g/t were present. It is estimated a total of 9,000 tonnes of 10 g/t was mined, the remaining ore still being in situ.

4.2 LOCAL METALLOGENY

Two documented occurrences of metallic mineral prospects are contiguous with EL 5282:

. Waterhouse No. 2 is a uranium-copper prospect in pyritic black shale with minor pitchblende and secondary minerals.

. Waterhouse No. 4 is a uranium prospect near a quartz filled fault with anomalous radiometrics and minor secondary mineralisation.

Waterhouse No. 1, to the south-east, is a uranium-copper prospect associated with a breccia of the Koolpin Formation, and, further away, the Virginia Gold Mine, 4 kilometres to the south-west, produced gold from steep narrow tabular quartz reefs.

5. PREVIOUS WORK

5.1 BY GOVERNMENT

In addition to geological mapping by the Bureau of Mineral Resources, that organisation was actively engaged in mineral exploration of the Rum Jungle

Uranium Field in the 1960's. Airborne and ground radiometrics and magnetics, as well as costeaning and drilling, took place. The "Waterhouse" prospects mentioned in section 4.2 were discovered during this period.

In 1973-74 the BMR drilled 74 stratigraphic holes in the Rum Jungle area. They are shown on the geological base maps forming part of this report.

5.2 BY COMPANIES

Figure 4 shows the boundaries of previous exploration licence holders. A search of the Department of Mines & Energy library back to 1976 has shown that uranium and base metal exploration has been undertaken by several companies over portions of EL 5282 in the last 20 years. No gold exploration is reported.

In 1979 Marathon completed a low level radiometric and magnetic survey and resulted in an excellent detailed structural and geological interpretation of the area west and north-west of EL 5282. Their work showed the Coomalie Dolomite not joining on to a north-east trend near EL 5282 but does further north near the Batchelor township. From 1974-78 CRAE carried out work on their EL 610 which covered the southern half of EL 5282. Their main target was uranium and in their reports (CR74/166, 78/088, 78/105, 78/106 and 78/107) go into considerable detail on the origin of the various quartz hematite breccia varieties. Gold is not mentioned.

From 1978-80 Pancontinental Mining Limited's EL 1576 covered the top half of EL 5282. Their target was uranium and consequently they investigated BMR's Waterhouse No. 4 with additional trenching, mapping, radiometrics and drilling. The Sundance gold prospect was subsequently discovered by Pancon in their adjacent EL 1577.

Trench samples from Waterhouse were assayed for the following elements, with ranges shown:

uranium	10 - 270 ppm	Mean 82
copper	10 - 795 ppm	Mean 312
zinc	2 - 765 ppm	Mean 197
lead	20 - 500 ppm	
nickel	5 - 180 ppm	
cobalt	-5 - 160 ppm	
arsenic	-20 - 40 ppm	
thorium	6 - 22 ppm	
gold	-0.05 - 0.25 ppm	

Drill hole samples which showed some weak continuity of uranium and base metals at depth, were not assayed for gold.

The first reported systematic gold exploration within the current holding of EL 5282 started with CSR's EL 1989 in 1985. That company took 9 stream sediment bulk gold samples and values ranged from less than 0.05 to 0.45 ppm gold, "normalised" ppm. Their report (CR85/161) does not detail how the samples were treated to become normalised but mentions only that:

> "these results are regarded as concentrate values on zinc and are considerably enhanced compared to in situ values".

Mobil's EL 3570 covered the northern part of current EL 5282. Their report (CR84/010) gave no significant details of work completed.

CSR's EL 4537 covered the northern part of EL 5282 from 1985. Their report (CR85/162) gives details of a further 21 bulk gold stream sediment samples. "Normalised" values of up to 0.95 ppm gold were recorded with 11 of the 21 samples returning equal or greater than 0.10 ppm Au.

Only 3 of those samples were taken from the confines of EL 5282:

Sample #	165961	0.40 ppm Au
	187363	0.25 ppm Au
	202764	0.05 ppm Au

Selected previous work has been incorporated into Figure 6.

5.3 HARLOCK PTY LTD

Although EL 5282 was part of the joint venture with Harlock Pty Ltd, no work was carried out by them during the term of the joint venture agreement.

6. PLANNED 1989 WORK

6.1 TARGET MINERALISATION

Sundance type gold mineralisation is the target mineralisation, hence field activity was aimed at locating and testing:

- the type of breccia hosting the gold at Sundance,
- the Coomalie Dolomite unit that regionally often exhibits karst development.

At this stage it is not clear whether the karsting or in fact the Coomalie Dolomite are prerequisites to Sundance type gold ore formation.

6.2 1989 PROGRAMME

The 1989 field programme was planned to undertake the following:

1. Search old Departmental records to assess previous exploration efforts.
2. Complete an air photo structural interpretation.
3. Prospect and map the EL in the light of known geological setting of the Sundance gold mineralisation.
4. Sample and assay prospective rock types.
5. Carry out ground geophysical surveys as required.
6. Carry out auger drilling as required, assaying cuttings for arsenic, gold and base metals.

7. 1989 WORK COMPLETED

7.1 INTRODUCTION

All field work on EL 5282 in 1989 was carried out by the author and the tenement holders.

Items 1, 2, 3 and 4 of the 1989 work programme as listed in section 6.2 have been completed.

7.2 MAPPING

Using 1987 1:25 000 colour photography flown by Qasco for the Sundance project a lineament study was completed. Figure 6 shows photo lineaments along with Marathon's 1979 structural interpretation.

The BMR's confusion in not being able to delineate the Coomalie Dolomite confidently has been mentioned in section 5.1. Field work was planned to determine whether the target stratigraphy swings north-east and crosses the EL as shown on Figure 5.

7.3 PROSPECTING

Prospecting for gossanous and brecciated quartz reefs was done along selected traverses. Siliceous dolomites especially associated with the HQB units were sampled.

7.4 ASSAYING

Analabs of Darwin were used for assaying surface rock samples. All results are shown in Appendix 1, selected significant values are in Table 3.

All samples have been assayed for gold; selected ones for base metals.

8. RESULTS

No highly significant gold values have been obtained from the limited, non-systematic sampling carried out within the tenement in 1989. However, values to 0.30 ppm Au came from reconnaissance sampling collected from outside the EL adjacent to the interpreted karst topography (#128563, 128564). Another sample, 128558, came from vein quartz one kilometre north-west of the sink hole at the north end of the Gould airstrip. Six other samples in the range 0.02 to 0.04 ppm Au came from sites as indicated and listed in Table 3.

Seven samples have run anomalously in copperand/or lead and/or zinc - up to 0.59% Pb, 0.16% Zn and 560 ppm Cu. The seven samples came from two areas; one in, and one outside the EL, as indicated in Figure 5.

The air photo study shows a set of north-east trending lineaments parallel to

linears interpreted by Marathon in 1979. These in turn parallel lineaments at the Sundance gold mine to the north-east.

Of the three photo anomalies west of the Gould airstrip, the smallest is a sink hole, the other two are signs of immature karst development.

The CSR bulk stream sediment gold sample results remain unexplained.

The boundaries of the Coomalie Dolomite remain debatable but on the basis of karsting it is not unreasonable to interpolate the unit passing under Gould airstip at its northern end.

No hematite-quartz clast breccia, gossanous or non-gossanous, was located in the EL.

9. CONCLUSIONS

Moderately significant gold vlaues from reconnaissance sampling adjacent to EL 5282 upgrade by extrapolation the potential of the northern end of the EL. Evidence of karst development are present inside and outside the EL, and the best gold values were from samples near sink holes.

The samples high in base metals fall near or within 055° linears and as they occur associated with quartz veins in silicified carbonates their origin may be either hydrothermal or related to the sediments.

10. RECOMMENDATIONS

On the basis of the listed conclusion, it is recommended that the northern part of the EL be retained as mineral claims and the southern part as EL 5282, subject to resampling of the area of high base metal samples #128529-128534 and following up with geophysics, costeaning and drilling as required.

Auger drilling to test for presence of the dolomite and mineralisation associated with it should be done near the sink hole at the northern end of the Gould airstrip.

REFERENCES

NEEDHAM R.S. (1981) A Tabulated Presentation of Metallic Mine and Prospect Data for the Pine Creek Geosyncline, N.T. BMR Record 1981/39

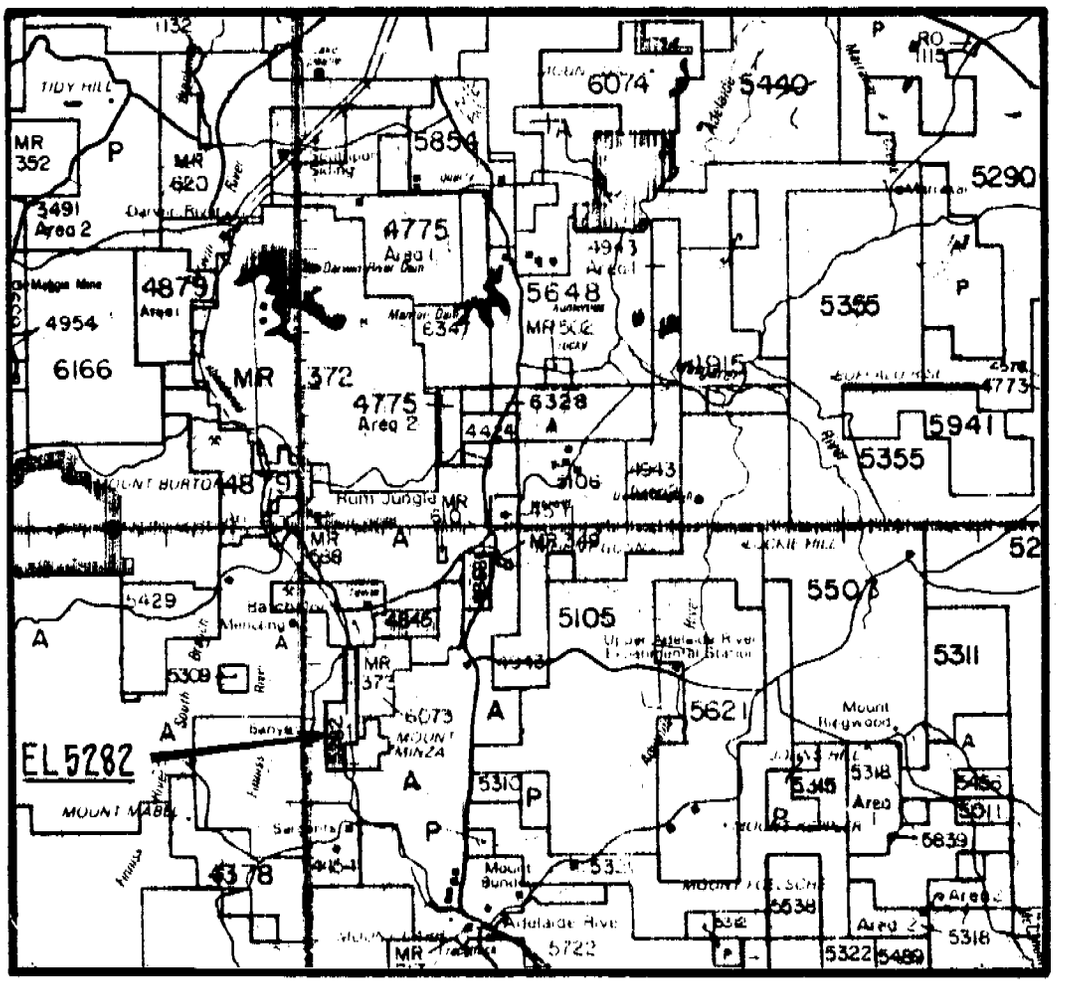


Fig.1

GIANTS REEF MINING PTY LTD		
LOCATION OF E.L. 5282 ON 1:500000 BASE		
PREPARED: J.A.E.	DRAWN : L.C.	DATE : SEPT. '89

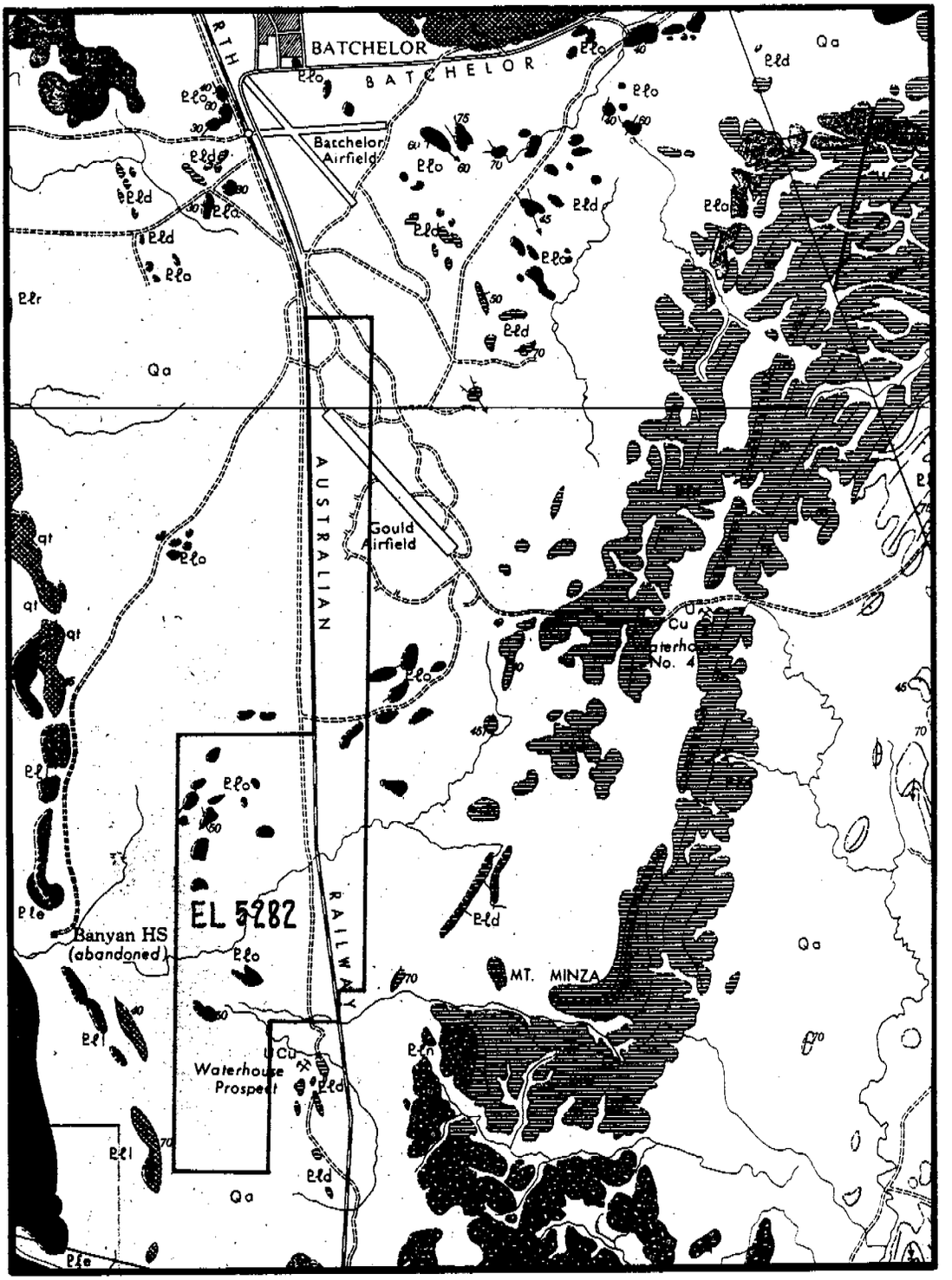


Fig. 2

GIANTS REEF MINING PTY LTD		
E.L. 5282 ON OLD B.M.R. 1" = 1 MILE GEOLOGICAL MAP.		
PREPARED: J.A.E.	DRAWN : L.C.	DATE : SEPT. '89

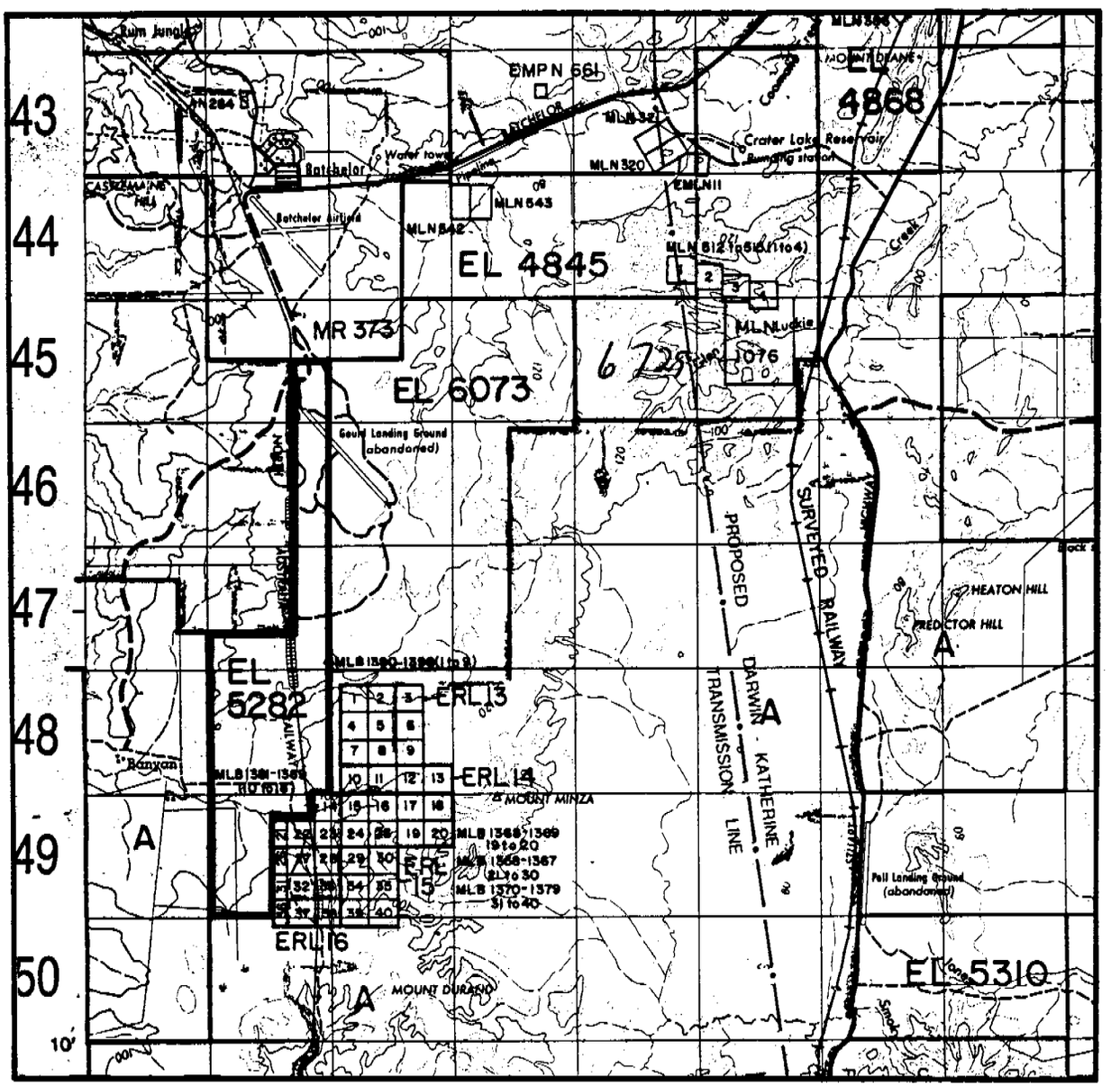
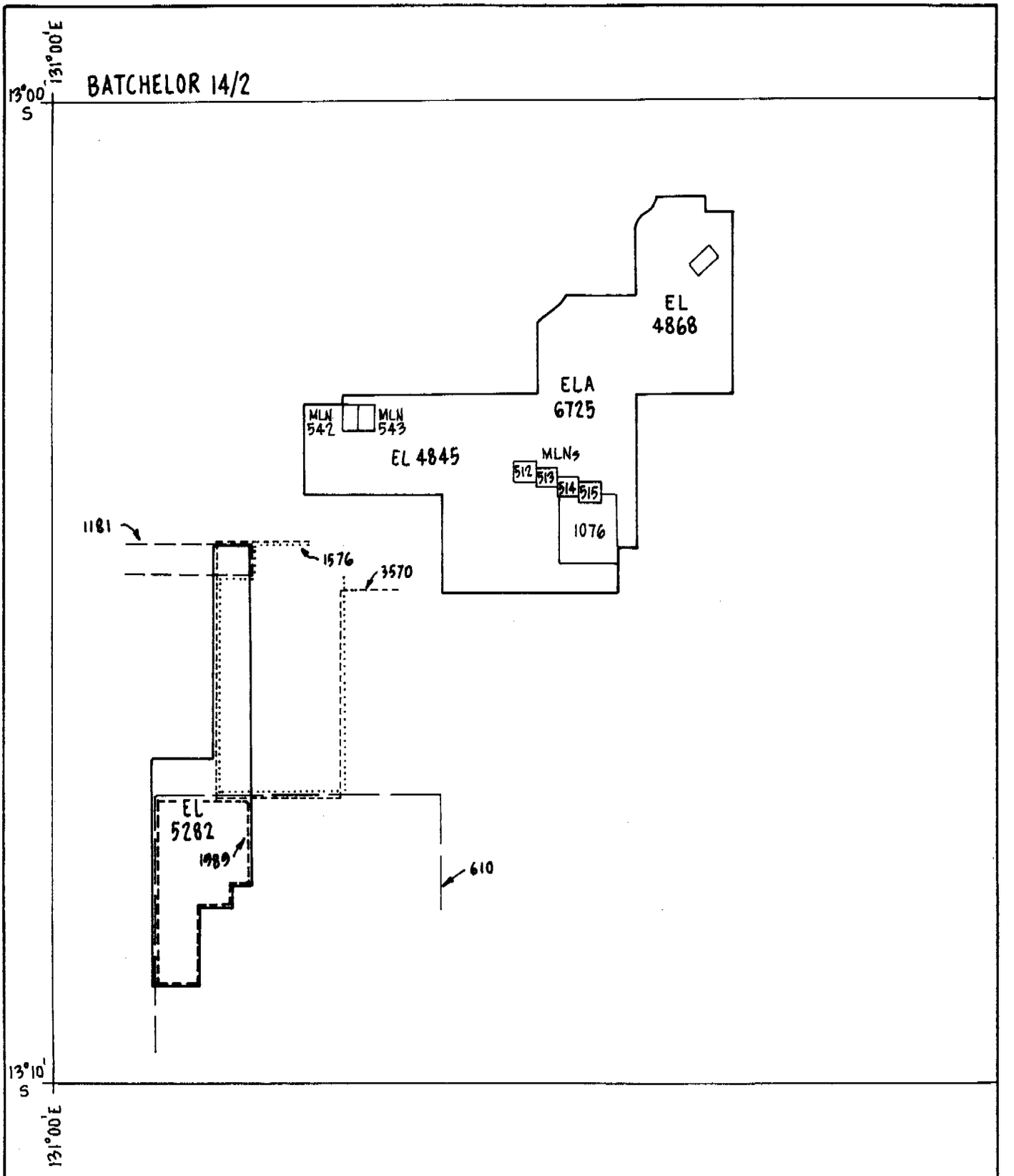


Fig. 3

GIANTS REEF MINING PTY LTD		
E.L. 5282 ON 1:100000 TOPO BASE.		
PREPARED: J.A.E.	DRAWN : L.C.	DATE : SEPT. '89



G.R.M. P/L AUG. 1989 TENEMENT EL 5282 RELATIVE TO OTHER EXPLORERS TENEMENTS DATED: 1976 - 1985

SCALE 1:100000

		C.R.
EL 1989	CSR	84/164, 85/161
EL 3570	MOBIL	84/010
EL 610	CRAE	74/166, 78/086, 78/105 78/106, 78/107
EL 1576	PANCON	79/020, 80/142, 81/010
EL 1181	MARATHON	79/117, 79/151

Fig. 4

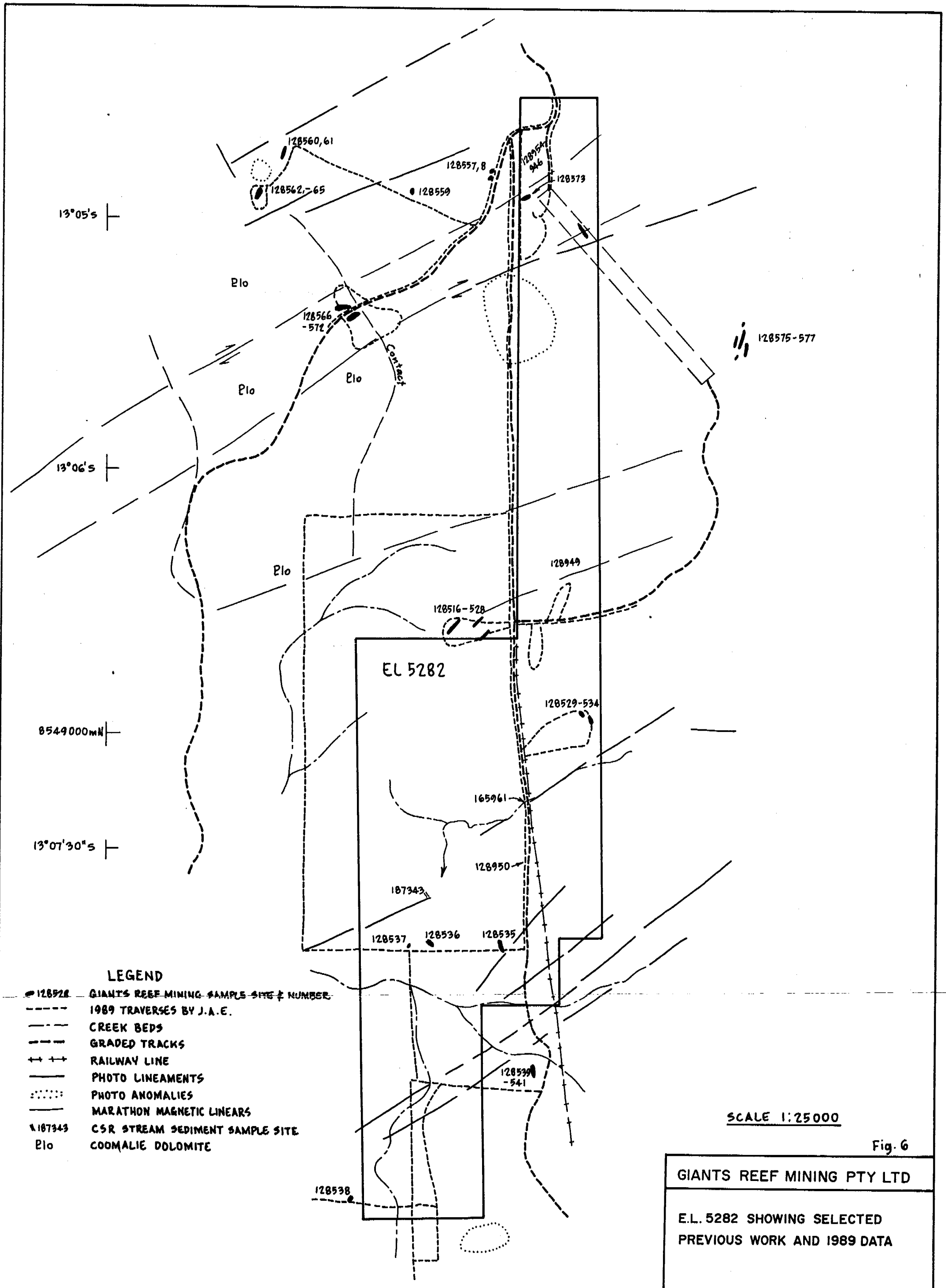
GIANTS REEF MINING PTY LTD

E.L. 5282 RELATIVE TO OTHER EXPLORATION 1976 - 1985

PREPARED: J.A.E.	DRAWN: L.C.	DATE: SEPT. '89

Fig. 5

GIANTS REEF MINING PTY LTD	E.L. 5282 ON 1:25000 B.M.R. LINE COMPILATION BASE.	PREPARED: J.A.E.	DRAWN: L.C.	DATE: SEPT. '89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128562,-65
128559
128557,8
128554,
946
128573
13°05'S
Plo
128566
-572
Contact
128575-577
13°06'S
Plo
128949
128516-528
EL 5282
8549000mN
128529-534
165961
13°07'30"S
128950
187343
128537
128536
128535
128539
-541
128538
LEGEND
128528 GIANTS REEF MINING SAMPLE SITE & NUMBER
1989 TRAVERSES BY J.A.E.
CREEK BEDS
GRADED TRACKS
RAILWAY LINE
PHOTO LINEAMENTS
PHOTO ANOMALIES
MARATHON MAGNETIC LINEARS
187343 CSR STREAM SEDIMENT SAMPLE SITE
Plo COOMALIE DOLOMITE
SCALE 1:25000
Fig. 6
GIANTS REEF MINING PTY LTD
E.L. 5282 SHOWING SELECTED
PREVIOUS WORK AND 1989 DATA
PREPARED: J.A.E.
DRAWN: L.C.
DATE: SEPT '89

TABLE 1

RUM JUNGLE MINERAL FIELD

BUREAU OF MINERAL RESOURCES PROTEROZOIC STRATIGRAPHIC COLUMN

Late Proterozoic	Ptd		Depot Creek Sandstone Member	Qtz, pink Basal breccia "HQB"
Middle Proterozoic	Pgc, Pgf, Pgg, Pgb, Pgh		Cullen Granite, etc.	Various granite, adamellite
Early Proterozoic	Pda	Finnis River Group	Amphibolite	Para and Ortho
	Pdz		Zamu Dolerite	Basic Intrusives
	Pfb		Burrell Creek Formation	Silts, Sh, Greyw. Cgl
	Pso	South Alligator Group	Mt Bonnie Formation	Siltstone, greywacke
	Psg		Gerowie Tuff	Tuff, sh and silts
	Psk		Koolpin Formation	Sh, silt
			Mt Deane Volcanics	Intermed. Volc.
	Ppw	Mount Partridge Group	Wildman Siltstone	Sh, Silt, Qtzt
			Acacia Gap Quartz	Quartz, sandst.
	Ppi		Whites Formation	Sh, calc, carb, argill Sch.
	Ppc		Coomalie Dolomite	Dolomite, magnesite, silfd
	Ppr		Crater Formation	Cgl, Ss, arkose
	Pml	Manton Group	Celia Dolomite	Dolomite, stromatolitic
	Pmb		Beestons Formation	Qtzt, cgl, arkose
Archaen	An		Waterhouse Complex	] = Granites, gneisses adamellites, migmatite pegmatites
	Ar		Rum Jungle Complex	

TABLE 2

RUM JUNGLE MINERAL FIELD

BUREAU OF MINERAL RESOURCES 27 METALLIC MINERAL OCCURRENCES

Map No.	Name	Metal	Status as at August 1989
406	Frazer	Uranium	Prospect
407	Ella Creek	Uranium	Prospect
408	Brodribb	Uranium	Prospect
409	Manton 1	Thorium	Prospect
410	Manton 2	Thorium	Prospect
411	Woodcutters	Uranium	Prospect
412	Woodcutters L5	Ag, Pb, Zn, Cd	Mine
413	Woodcutters South	Uranium	Prospect
414	Whites	U, Cu, Pb, Co, Ni	Abandoned Mine
415	Dysons	Uranium	Abandoned Mine
416	Whites Extended	U, Cu	Abandoned Prospect
417	Intermediate	Copper	Abandoned Mine
418	Browns	Ag, Pb, Cu, Zn	Proven Reserves
419	Mt Fitch	U, Cu	Proven Reserves
420	Mt Burton	U, Cu	Abandoned Mine
421	Dolerite Ridge	U, Pb, Cu, Zn	Prospect
422	Area 55	U, Pb, Zn, Cu	Prospect
423	Rum Jungle Ck	Uranium	Prospect
424	Rum Jungle Ck South	Uranium	Abandoned Mine
425	Batchelor	Gold	Prospect: 350g Au production
426	Crater	Thorium	Prospect
427	Laterites	Uranium	Prospect
428	Waterhouse # 1	U, Cu	Prospect
429	Waterhouse # 4	Uranium	Prospect
430	Waterhouse # 2	Cu, U	Prospect
431	Waterhouse # 3	Uranium	Prospect
432	Virginia	Gold	Prospect: 700g Au Production

TABLE 3

EL 5282

SELECTED ROCK CHIP SAMPLING RESULTS
(Assay value Au equal or greater than 0.02 ppm)

Sample No.	Location	Description	Assays - ppm Au	Zn	Pb	Cu
128518	North boundary - west of Waterhouse No. 4	Vein quartz	0.02			
519	North boundary - west of Waterhouse No. 4	Vein quartz	0.02			
529	East of railway line North of 40 ppm creek	Bx, QV in ferrug. shale	*0.02	1600		
530	East of railwy line North of 40 ppm creek	Bx, gossan	*0.02	930	1550	
533	East of railwy line North of 40 ppm creek	Bx, gossan	*0.02	650	5900	
558	Outcrop on Eva Valley road 1½km west of Gould airstrip	Vein quartz	0.02			
560	2km west of Gould strip	QV with second	*0.02		110	280
561	2km west of Gould strip	QV gossan	*0.02	140	410	560
563	Near spring 9km west of N end Gould strip	Laterite? Fe.	0.02			
564	Near spring 9km west of N end Gould strip	Qtz - hematite breccia	0.30			
568	2km west of Gould strip	Goethite c̄ Ag	*0.02	110		260
569	2km west of Gould strip	Goethite Rk	*0.02	1050		275
945	Nth end of EL	Qtz c̄ minor boxwork	0.02			
946	Nth end of EL	Qtz, no boxwork	0.04			
949	Opp. Waterhouse No. 2	Qtz reef	0.02			
128950	Central EL	Amphibolite, wthrd	0.04			

* denotes "less than"

Note: All assay results are shown in Appendix

APPENDIX 1

EL 5282

ORIGINAL LABORATORY ASSAY RESULTS

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.36.21.03853	20/09/89	29	1 OF 6

TUBE No.	SAMPLE No.	Cu	Zn	As	Ag	Sn	Au	Pb	Pb	Au(1)
1	128516	10	<5	<100	<0.5	<3	<0.02	<5	—	—
2	128517	10	5	<100	<0.5	<3	<0.02	5	—	—
3	128518	15	<5	<100	<0.5	<3	0.02	5	—	—
4	128519	10	<5	<100	<0.5	<3	0.02	5	—	—
5	128520	10	<5	<100	<0.5	<3	<0.02	<5	—	—
6	128521	55	15	100	<0.5	9	<0.02	50	—	—
7	128522	10	5	<100	<0.5	<3	<0.02	5	—	—
8	128523	65	75	<100	<0.5	8	<0.02	15	—	—
9	128524	200	440	<100	<0.5	5	<0.02	40	—	—
10	128525	390	340	<100	<0.5	5	<0.02	30	—	<0.02
11	128526	115	45	100	<0.5	<3	<0.02	85	—	—
12	128527	160	240	200	<0.5	7	<0.02	20	—	—
13	128528	445	140	100	1.0	4	<0.02	25	—	—
14	128529	215	1600	300	<0.5	<3	<0.02	400	—	—
15	128530	135	930	400	<0.5	<3	<0.02	1550	—	—
16	128531	330	90	200	<0.5	5	<0.02	915	—	—
17	128532	155	150	400	0.5	3	<0.02	710	—	—
18	128533	195	650	600	0.5	5	<0.02	>5000	0.59	—
19	128534	15	15	200	<0.5	<3	<0.02	80	—	—
20	128535	25	20	<100	<0.5	<3	<0.02	40	—	—
21	128536	5	5	<100	<0.5	7	<0.02	5	—	—
22	128537	10	15	<100	<0.5	<3	<0.02	10	—	—
23	128538	10	35	<100	<0.5	7	<0.02	10	—	—
24	128539	15	10	<100	<0.5	5	<0.02	<5	—	—
25	128540	10	<5	<100	<0.5	<3	<0.02	5	—	—

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.36.21.03853	20/09/89	29	2 OF 6

TUBE No.	SAMPLE No.	Cu	Zn	As	Ag	Sn	Au	Pb	Pb	Au(1)
1	128541	50	<5	<100	<0.5	<3	<0.02	25	–	–
17	128557	70	5	<100	<0.5	3	<0.02	5	–	–
18	128558	15	<5	<100	<0.5	<3	0.02	5	–	–
19	128559	10	<5	<100	<0.5	<3	<0.02	<5	–	–
20	128560	280	25	<100	<0.5	<3	<0.02	110	–	–
21	128561	560	140	<100	<0.5	6	<0.02	410	–	–
22	128562	25	5	100	<0.5	5	<0.02	75	–	–
23	128563	15	5	<100	<0.5	7	0.20	25	–	–
24	128564	10	<5	<100	<0.5	<3	0.30	5	–	–
25	128565	10	<5	<100	<0.5	5	<0.02	20	–	–

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.36.21.03853	20/09/89	29	3 OF 6

TUBE No.	SAMPLE No.	Cu	Zn	As	Ag	Sn	Au	Pb	Pb	Au(T)
1	128566	10	<5	<100	<0.5	<3	<0.02	<5	–	–
2	128567	165	340	100	<0.5	9	<0.02	10	–	–
3	128568	260	1100	100	<0.5	3	<0.02	10	–	–
4	128569	275	1050	100	<0.5	<3	<0.02	5	–	–
5	128570	170	365	<100	<0.5	10	<0.02	15	–	–
6	128571	80	475	100	<0.5	3	<0.02	20	–	<0.02
7	128572	10	10	<100	<0.5	<3	<0.02	<5	–	–
8	128573	115	45	<100	<0.5	<3	<0.02	20	–	–
9	128574	290	95	<100	<0.5	5	<0.02	55	–	–
10	128575	355	35	<100	<0.5	6	<0.02	5	–	–
11	128576	245	20	<100	<0.5	4	<0.02	20	–	–
12	128577	140	30	<100	<0.5	3	<0.02	10	–	–
13									–	–
14									–	–
15									–	–
16										–
17										
18										
19										
20										
21										
22										
23	DETECTION	5	5	100	0.5	3	0.02	5	0.01	0.02
24	UNITS	PPM	PPM	PPM	PPM	ppm	PPM	PPM	%	PPM
25	METHOD	101	101	101	101	401	329	101	104	329

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.36.21.03959	30/09/89	33	1 OF 2

TUBE No.	SAMPLE No.	Cu	Zn	As	Ag	Sn	Au	Pb	Pb	Au(1)
1										
2	128870	185	50	400	1.0	10	0.06	755	-	-
3	128871	135	445	800	0.5	<3	<0.02	230	-	-
4	128872	120	240	200	0.5	5	<0.02	2950	-	-
5	128873	65	20	100	<0.5	<3	0.06	825	-	-
6	128874	20	95	300	<0.5	<3	0.06	1045	-	-
7	128875	165	105	<100	0.5	3	<0.02	1200	-	-
8	128876	75	15	<100	<0.5	3	0.02	85	-	-
9	128877	195	85	500	0.5	<3	<0.02	1300	-	-
10	128878	195	425	700	1.0	<3	0.04	>5000	7500	0.06
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	5	5	100	0.5	3	0.02	5	25	0.02
24	UNITS	PPM	PPM	PPM	PPM	ppm	PPM	PPM	PPM	PPM
25	METHOD	101	101	101	101	401	329	101	104	329

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.36.21.03762	23/08/89	26	2 OF 3

TUBE No.	SAMPLE No.	As	Au	Au(1)	Au(2)					
14	128945	<100	0.02	–	–					
15	128946	<100	0.04	<0.02	–					
16	128947	200	<0.02	–	–					
17	128948	100	<0.02	–	–					
18	128949	<100	0.02	–	–					