OPENFILE

E.L. 2848 PIKER POCKET

NORTHERN TERRITORY

FINAL REPORT

DIAMOND, PRECIOUS AND

BASE METALS EXPLORATION

29 MAR 1995
SCANNEI

.w. cook

MINERAL DEPOSITS LIMITED

OCTOBER 1982

CR 82/338

SUMMARY

Exploration activity over E.L. 2848 during the period of tenure was directed at the location of base metals, precious metals and diamonds. Two discrete programmes were undertaken, employing the following methods.

For base and precious metals' exploration, stream sediment sampling, soil and rock sampling, geological mapping and geophysical traversing were carried out by Mineral Deposits Limited. Ashton Mining Limited, in joint venture with Mineral Deposits Limited, was the manager and operator of the regional gravel sampling programme to test for kimberlitic rock indicator minerals and diamonds.

No significant new mineral locations were found during the base and precious metals programme. However, an anomalous zone named Casper isolated by an earlier explorer, was mapped and resampled and found to be anomalous in Cu, Ba and Hg.

Twelve regional gravel samples were collected and processed by Ashton, for diamond indicator minerals. At one location in Scissors Creek abundant andradite garnets were noted. Two series of follow-up gravel sampling traverses were carried out. The eight additional samples were duly processed but no further anomalous results were returned.

A recommendation to relinquish the E.L. 2848 was implemented on 24 August, 1982, effective 30 August, 1982.

CONTENTS

SUMMARY

- 1. INTRODUCTION
- 1.1 Location and Tenure
- 1.2 Regional Geology
- 1.3 Physiography
- 1.4 Exploration Objectives and Genetic Considerations
- 2. BASE AND PRECIOUS METALS EXPLORATION
- 2.1 Stream Sediment Geochemistry Methods
- 2.2 Stream Sediment Geochemistry Results
- 2.3 Soil Geochemistry Methods2.3.1 Reconnaissance Soil Sampling2.3.2 Casper Grid Soil Sampling
- 2.4 Soil Geochemistry Results
 2.4.1 Reconnaissance Soil Sampling
 2.4.2 Casper Grid Soil Sampling
- 2.5 Geological Mapping
- 2.6 Rock Chip Sampling 2.6.1 Methods 2.6.2 Results
- 2.7 Ground Magnetics
- 2.8 Base and Precious Metals Programme Interpretation
- 3. DIAMOND EXPLORATION
- 3.1 Method of Sampling
- 3.2 Method of Processing
- 3.3 Diamond Exploration Results
- 3.4 Follow-up Traversing
- 3.5 Interpretation
- 4. CONCLUSIONS AND RECOMMENDATIONS
- 5. EXPENDITURE
- 6. REFERENCES

APPENDIX A	Stream Sample Analyses
APPENDIX B	Reconnaissance Soil Sample Analyses
TABLE 1	Reconnaissance Soil Sampling
FIGURE 1	E.L. 2848 Piker Pocket, N.T. Location Map Darwin - Katherine Area, N.T. A4-0020
FIGURE 2	Northern Territory E.L. Areas Locality Plan A3-2001
FIGURE 3	EL's 2847, 2848 and 2849 N.T. Stream Sample Locations Reconnaissance Soil Traverses A3-2008
FIGURE 4	EL 2848 Piker Pocket, N.T. Casper Grid Geology and Soil Geochemistry A1-6004
FIGURE 5	EL 2848 Piker Pocket, N.T. Casper Grid Ground Magnetics A4-0005
FIGURE 6	EL Piker Pocket, N.T. Casper Grid Rock Chip and Additional Soil Sample Analyses A4-0010
FIGURE 7	EL 2848 Piker Pocket, N.T. Sample Locations Regional and Follow-up Gravel Sampling A3-2002
PLATE 1	Casper Area looking north-east from 1850E/ 1900N. Note band of red sandy soil, centre photo, with dolomite outcrop beyond
PLATE 2	Close up of dolomite outcrop with hammer embedded in green "glauconitic shale"

INTRODUCTION

1.1 Location and Tenure

Exploration Licence 2848, Piker Pocket (longitude 131°10'E, latitude 14°44S) is located approximately 120 km in a direct line south-west of Pine Creek which is situated on the Stuart Highway 248 km south of Darwin (see Figure 1).

E.L. 2848 was held in the name of Mineral Deposits Limited and was granted on 27 April, 1981 for an initial term of 12 months with a minimum expenditure covenant of \$10,000. Renewal of the licence was granted on 11 May, 1982 by the Department of Mines and Energy for a further 12 months tenure.

Exploration Licence 2848 was surrendered on 24 August, 1982. The exploration licence covered an area of 132.4 sq. km. and straddled the Flora River and Scissors Creek.

1.2 Regional Geology

The oldest geological unit cropping out within the E.L. is Adelaidean or Carpentarian age Bynoe Formation (a unit of the Bullita Group). Lithologies represented include siltstones, dolomitic siltstones and dolomite, and the rocks crop out in the north-western and south-western corners of the E.L. Conformably overlying the Bynoe Formation is the most significant unit - the Banyan Formation - which is the upper member of the Bullita Group. Lithologies include stromatolitic limestone and dolomite, oolitic limestone, calcareous siltstone, sandstone and chert bands. The Banyan Formation covers a major part of the E.L. and is regarded as the likely host for Pb/Zn mineralization.

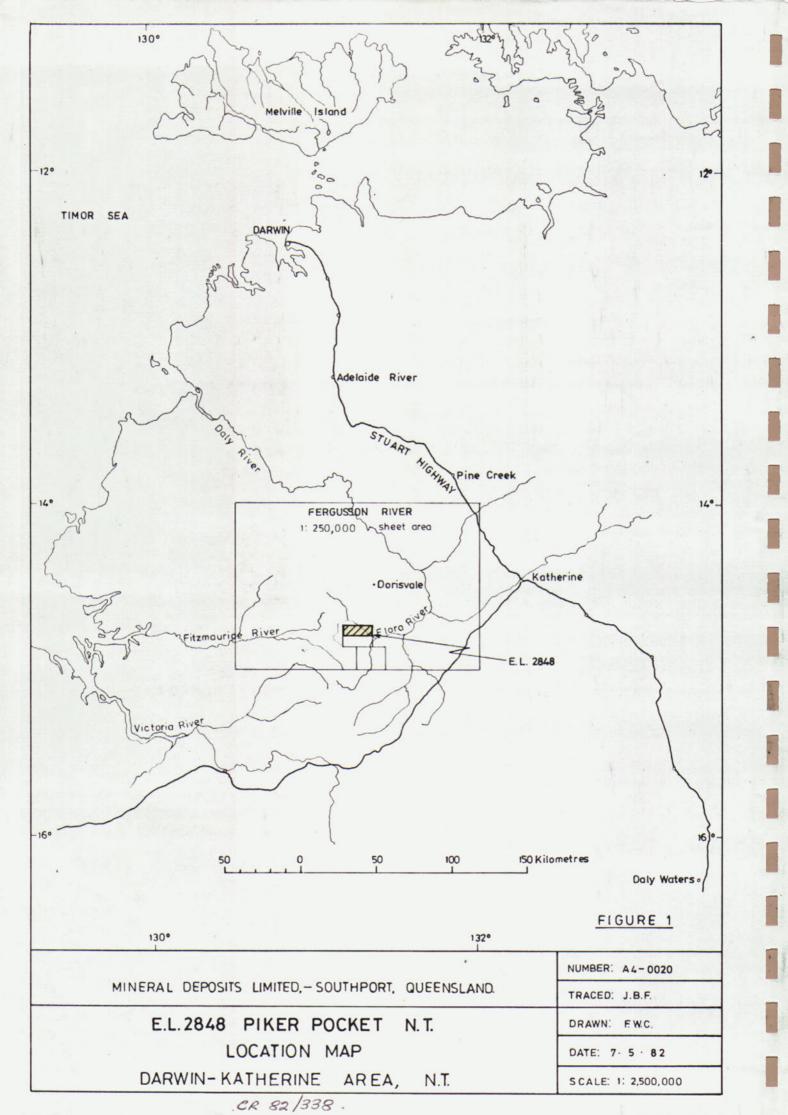
In the eastern part of the E.L., the Lower Cambrian Antrim Plateau Volcanics are represented by a large flow of vesicular basalt.

Columnar basalt residuals are mapped along the eastern bank of Piker Pocket Creek. The extent of the basalt flow has been governed by a monoclinal structure in the older rocks trending west-north-west on the southern side of Flora River.

Cainozoic sand and soil covers the basalt flow almost entirely. Topographic highs are also capped with the Cainozoic sand cover elsewhere in the E.L. Quaternary alluvium has been deposited on the flood plains of Flora River and its tributaries.

In addition to the monocline mentioned above, a normal fault with its downthrown block to the east trends north-south, centrally through the E.L.

Throughout the southern half of the E.L. the Bynoe and Banyan Formations' sediments dip at steep angles and strike in west-north-westerly direction parallel to the Flora River Monocline and the other structural influence in the region, the Wombungi Fault which lies outside the E.L. to the south. In the northern half of the E.L., the



Proterozoic sediments are flat lying.

This geological summary has been compiled from regional mapping carried out by Mineral Deposits Limited geologists and from the descriptions contained on the Fergusson River 1:250,000 geological sheet SD/55-12 (Pontifex and Mendum, 1972).

1.3 Physiography

The physiography of the E.L. is controlled, in the main, by the course of the Flora River which has been influenced by the structural features, the Flora River Monocline and the Wombungi Fault. The plateau area in the south of the E.L. is a horst structure and is drained by the tributaries of the Flora River. The Flora River maintains a straight course, flowing parallel to and on the downthrown side of the Flora River Monocline. The river traverses the basalt flow which is now seen as a flat plain with sparse vegetation cover. A few small basalt capped buttes are distributed across the E.L.

Flora River flows all year round and its course is lined with *Melaleuca* and pandanus. Bloodwoods, ironbarks and other eucalypts occur in open forest away from the water courses and spinifex (*Triodia Sp.*) grows on the rocky ridges.

1.4 Exploration Objectives and Genetic Considerations

The exploration objectives over the region were to locate Pb/Zn/Cu mineralisation of the Mississippi Valley type and Au within the dolomites of the Banyan Formation and to detect diamonds or diamond indicator minerals.

The association of dolomitic rocks, halite casts, possible gypsum layers, biohermal layers, algal reef situations and observable lead and zinc mineralisation, suggests an environment similar to the Mississippi Valley and/or Sabkha types. The distribution of such mineralisation as orebodies is considered to be controlled by palaeogeography. Superimposed on the palaeogeography creating favourable trap situations faulting is often found to have occurred. (Stanton, 1971) (Keene, 1971) (Renfro, 1974).

The lithologies of the Banyan Formation, particularly the massive oblitic and stromatolitic dolomites within the middle dolomite sequence and the presence of the Wombungi Fault and the Flora River Monocline support these concepts. Thus the search for base metals was concentrated on areas with outcropping Banyan Formation.

A record of anomalous Hg at Casper suggested that Carlin style gold may occur in the dolomitic rocks of the Banyan Formation. Gold and mercury geochemistry was undertaken on anomalous base metal samples from Casper to test this concept.

The base and precious metals programme was carried out by Mineral Deposits Limited as part of an integrated exploration project over a group of 12 contiguous exploration leases in the Flora River headwaters. Ashton Mining Limited conducted the EL 2848 diamond programme also as part of a regional exploration project over a large joint venture area

west of the Daly River Basin.

The exploration work was carried out during the 1981 dry season.

2. BASE AND PRECIOUS METALS EXPLORATION

Reconnaissance stream sediment and soil sampling were carried out initially. Follow-up soil sampling, rock chip sampling, geological mapping and magnetics traversing were completed over the Casper Grid area. Control was achieved using airphotos (Comm. of Aust, 1962) and LANDSAT (CSIRO, 1977).

2.1 Stream Sediment Geochemistry - Methods

20 samples were collected from Flora River tributaries. Preparation in the field consisted of sieving to -10#. The samples were freighted to the Mineral Deposits Limited laboratory, Southport, for further preparation and analysis. The procedure employed was as follows:

Samples were sieved to -20# and this fraction was pulverised to -80#. A 0.5 gm split was digested in perchloric acid (HClO_{μ}) for one hour at 180°C and determined for Cu, Pb and Zn. 6 samples were determined for Ni.

2.2 Stream Sediment Geochemistry - Results

The locations are plotted on figure 3 and the results are listed in Appendix A. Background values only were returned.

2.3 Soil Geochemistry - Methods

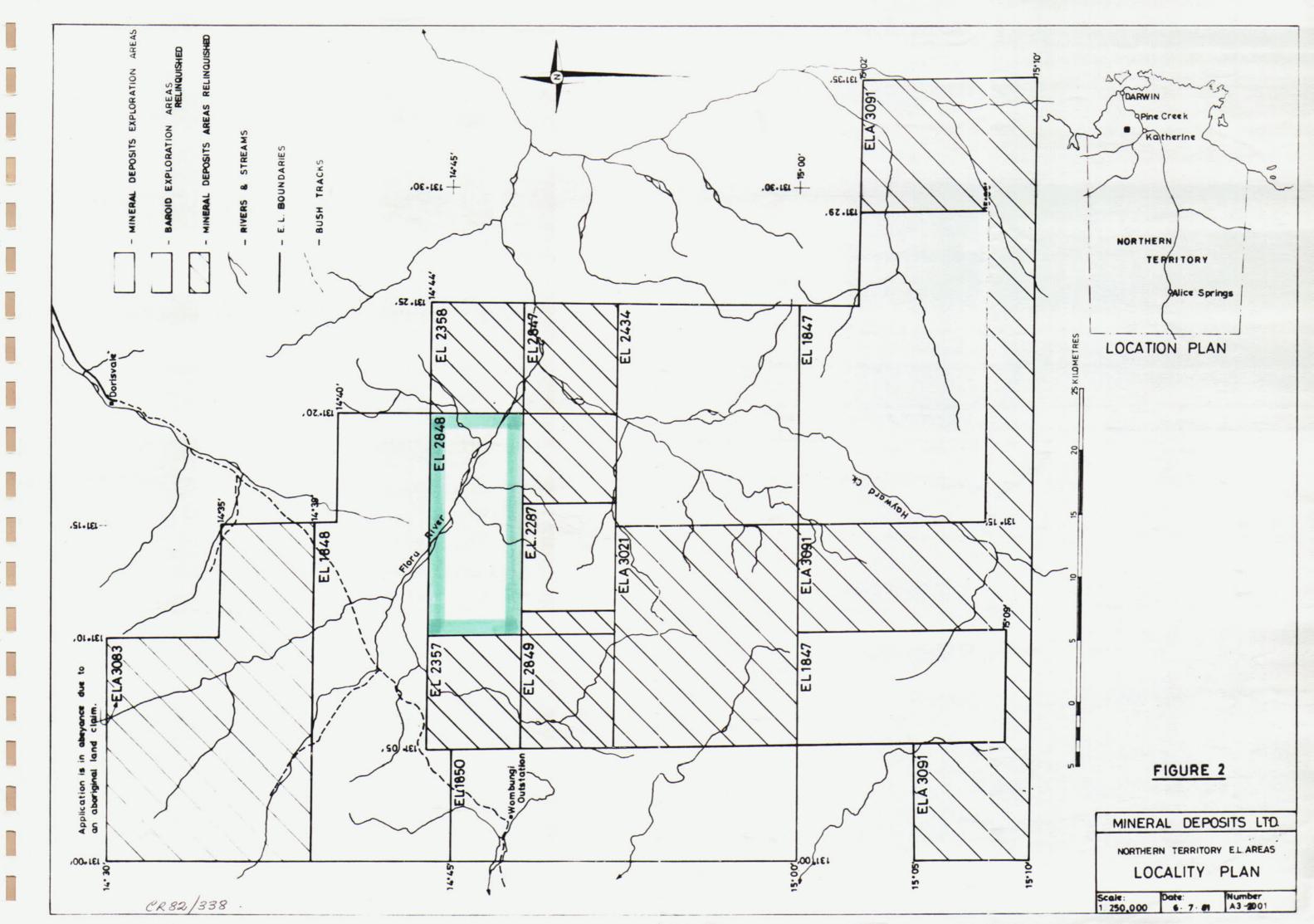
2.3.1 Reconnaissance Soil Sampling

Reconnaissance soil sampling was carried out over five locations within EL 2848. Traverses were surveyed with tape and compass (Glauser MK4 prismatic no. 1271) and samples were collected at 50m intervals from a depth of 10-15 cm in a poorly formed B horizon.

Traverse details are listed in Table 1 below:

Traverse Name	No. of Samples	Orientation (Magnetic)	Rationale
Wallop	21	N - S E - W	Evaluation of malachite occurrence
Susan	17	N - S	Reconnaissance of Flora Fault
Banjo	. 11	N - S	Reconnaissance of Flora River Monocline
Hexagon	17	N - S	Evaluation of reported sphalerite/galena occurrence
Scissors	5	N - S . ·	Check of previously reported radiometric anomaly (Geopeko, 1980)
TOTAL	71		(B.M.R., 19?)

TABLE 1 - Reconnaissance Soil Sampling



The samples were submitted for preparation and analysis at Mineral Deposits Limited laboratory, Southport.

Soil samples were sieved to -80# using nylon sieve and cloth. When necessary the samples were lightly crushed with a mortar and pestle. A 0.5 gram split was digested in perchloric acid ($HClo_4$) for one hour at 180°C and determined by A.A.S. for Cu, Pb and Zn.

2.3.2 Casper Grid Soil Sampling

A 50 metre grid was surveyed over the Casper area using tape and compass. Sampling and preparation techniques were as described in 2.3.1.

Determinations for Cu, Pb and Zn on the 154 samples were carried out at Southport. 32 samples with anomalous base metals analyses were re-submitted for analysis for Sb, As, Hg, Au at Australian Laboratory Services at Everton Park.

Au was determined by the 120C method, viz, 30 gram of the -80# fraction was subjected to HF attack, aqua regia digestion, solvent extraction and carbon rod determination by A.A.S.

Sb, As and Hg were determined using the automatic computerised X.R.F. spectrometer.

2.4 Soil Geochemistry - Results

2.4.1 Reconnaissance Soil Sampling
The locations of the traverses are plotted on Figure 3 and the analyses listed in Appendix B.

Clearly, background values were returned from Hexagon, Susan, Wallop and Scissors. Banjo, which traversed the Flora River Monocline, returned slightly anomalous Cu and Pb results in two separate samples. However, the low absolute values and lack of continuity in the results meant that follow-up was not warranted.

2.4.2 Casper Grid Soil Sampling

The sample locations and results are plotted on the 1:1000 scale geological map, Figure 4.

The results confirmed the FIMCO values reported in Harrison (1971). An anomalous Cu area of about 400 m \times 200 m (see Figure 6) is correlated with a dolomite bed showing smears of malachite and crystals of barite. Copper results peaked at 1376 ppm.

Mercury analyses were mostly \checkmark 4 ppm, but a few recorded the limit of detection of 4 ppm.

The low magnitude of the anomalies discouraged further investigation to determine if post depositional sulphides are present and a determination of facies.

The analyses for Sb, Hg and Au are all at background levels indicating little likelihood of the presence of Carlin style gold mineralisation in the areas sampled.

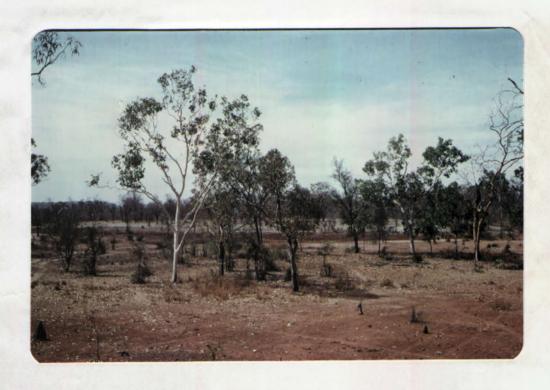


PLATE 1 - Casper Area looking north-east from 1850E/ 1900N. Note band of red sandy soil, centre photo, with dolomite outcrop beyond



PLATE 2 - Close up of dolomite outcrop with hammer embedded in green "glauconitic shale"

2.5 Geological Mapping

The Casper Grid area (600 m \times 500 m) was mapped at a scale of 1:1000 (see Figure 4).

The Upper Proterozoic Bullita Group, Banyan Formation, is represented locally by the following stratigraphic sequence -

Massive buff dolomite (youngest)
Finely bedded buff dolomite
Grey marl
Green glauconitic shale
Grey shale
Red marl
Sandstone
Dolomitic limestone (oldest)

The two oldest rock types, sandstone and interbedded dolomitic limestone, crop out in the south-west corner of the area, dipping uniformly to the north-east at 30°. The relative age relationship between these beds and those of the anomaly proper is uncertain. An alluvial cover obscures the area between the outcrops.

The main outcrop displays the sequence of the remaining rock types dipping gently $(3-10^{\circ})$ to the south east, and disappearing beneath a broad alluvial plain. The beds appear to show maximum thickness of about one metre.

The following scree and soil types were mapped:

Light brown alluvium and soil
Loose hematitic pebbles and gravel
Yellow limonite pebbles
Red sandy soil
Light brown soil over dolomite
Chert pebbles are represented as float.

Malachite smears on bedding planes and veinlets of barite were noted in the massive and finely bedded dolomites. A crimson mineral, possibly cinnabar, was also detected in minor quantities.

The soil geochemistry indicates clearly that the buff dolomite is the stratum containing the copper mineralisation.

2.6 Rock Chip Sampling

2.6.1 Methods

Two rock chip sampling traverses were completed across the strike of the Casper soil anomaly. A total of 12 samples were collected using the following method. Two centimetre cubes of outcrop (or subcrop) were collected at hammer handle spacing over intervals of up to 25 metres.

The samples were freighted to Southport for preparation. The rock chips were crushed and pulverised to -80# and analysed as described in 2.3.1 for Cu, Pb and Zn.

2.6.2 Results

The sample positions and results are plotted on Figure 6, together with copper-in-soil contours. Generally, anomalous rock chip sample analyses were returned for those samples collected from within the 500 ppm copper-in-soil contour. Contrasting the rock chip results (peak 496 ppm Cu) with the soil results (peak 1376 ppm Cu) it is evident that there has been slight copper enrichment of the soil.

The low absolute values of the rock chip analyses and the likely one metre only thickness of the mineralised bed were discouraging and no further exploration down-dip was undertaken.

2.7 Ground Magnetics

Ground magnetics were read at stations on the Casper Grid centres using a SCINTREX MP 2 proton precession magnetometer. Stacked profiles are plotted on Figure 5.

The profiles are generally quite flat except for a spurious reading at station 1850 E/1950N which shows a 150 nT drop. This isolated gradient is unlikely to be significant due to the limited areal extent (10 metres in any direction) (B.M.R., 19?).

2.8 Base and Precious Metals Programme Interpretation

Reconnaissance stream sediment sampling failed to reveal any significant mineralisation although malachite traces and some galena vug infillings were noted in the dolomites of the Banyan Formation. The reconnaissance soil sampling detected no mineralised rocks near structural features.

Follow-up sampling at Casper confirmed the previous results, a mineralised dolomite bed dipping at a low angle to the south east beneath an alluvial flat. Some potential exists for a base metals mineral concentration beneath the alluvium. Gold mineralisation appears not to be associated with the base metals at Casper.

The limited distribution of the copper and barite at Casper, in one bed, suggests that the mineralisation is in situ syngenetic in nature.

It is accepted that the above exploration programme was not exhaustive and the patchy nature of Mississippi Valley Pb/Zn mineralisation (Keene, 1971) is regarded as a difficult geochemical target.

DIAMOND EXPLORATION

A regional gravel sampling programme was undertaken by Ashton Mining Limited over the EL 2848 (Ashton Mining Limited, 1981).

3.1 Method of Sampling

Regional gravel sampling is regarded as the most effective exploration technique for the location of kimberlites in this region as there is a well developed drainage pattern and the degree of relief and outcrop conditions provide suitable heavy mineral trap sites. Sample sites were pre-determined and plotted on 1:100,000 scale maps so that sample sites tested drainages at approximate intervals of six kilometres.

Helicopter transport provided access to the 12 selected trap sites where approximately 40 Kgm of gravel were gathered, sieved and the minus 4mm fraction collected for laboratory examination, this fraction generally weighing 25-30 Kgm. The sample sites are plotted on figure 7. (Ashton Mining Limited, 1981).

3.2 Method of Processing

The 12 samples were processed at the Ashton Mining Limited laboratory at Perth where they were concentrated by Wilfley Table and heavy liquid (tetrabromoethane, S.G. 2.96) separation techniques. The concentrates were then screened into various size fractions, further concentrated where required by magnetic and electrostatic separation techniques, and a comprehensive grain by grain examination carried out on the minus 1.0mm plus 0.425mm fractions.

3.3 Diamond Exploration Results

The following fractions of each sample were studied.

```
- 1.00 mm + 0.8 mm denoted + 0.8

- 0.8 mm + 0.5 mm denoted + 0.5

- 0.5 mm + 0.425 mm denoted + 0.425
```

Of the 12 reconnaissance samples, heavy minerals were detected in the concentrates of one sample only (WIN 481).

This sample contained abundant andradite, subhedral, euhedral, anhedral orange, yellow, greenish, reddish garnets. Some were zoned and some full of inclusions.

3.4 Follow-up Traversing

8 samples were collected during the 2 follow-up traverses along Scissors Creek using the same methods of sampling and processing described above. The density of sampling increased, as a result, to 1 per kilometre.

No heavy minerals were detected in these additional samples.

3.5 Interpretation

Considering the high density of sampling upstream from WIN 481, a local source for the andradites noted in the WIN 481 should have shed heavy minerals sufficiently widely to have been detected at another sample site. As this was not the case, it is concluded that no local source exists.

4. CONCLUSIONS AND RECOMMENDATIONS

Evidence of stratiform copper mineralisation associated with barite is noted at Casper within the dolomites of the Banyan Formation. The mineralisation is syngenetic in nature.

No other evidence of significant base or precious metals mineralisation was detected during the geochemical exploration programme.

One site returned an abundance of andradite garnets during the diamond indicator mineral exploration programme. However, intensive follow-up sampling failed to repeat the occurrence and it is concluded that the initial result is spurious and not indicative of a nearby kimberlitic rock source.

The recommendation to surrender the EL 2848 was implemented on 24 August, 1982, effective from 30 August, 1982.

5. EXPENDITURE

Expenditure debited against this project during the period of tenure amounted to \$14,935 with the following break-up:

Diamond exploration	\$8	,000
Direct expenses (analyses, maps,		
travel and accommodation)	\$1	,949
Staff salaries	\$3	,769
Vehicle expenses	\$	315
Overheads	\$	902

6. REFERENCES

- Ashton Mining Limited (1981), Progress Report on Exploration Licences held by Baroid (Australia) Pty. Ltd. and Mineral Deposits Limited, Ashton Mining Limited (unpubl.)
- Bureau of Mineral Resources (19?), Fergusson River, N.T. Radiometric Profiles, Preliminary Edition D52/B1-141) Bur. Miner. Resour. Geol. Geophys. Aust. Canberra.
- Bureau of Mineral Resources (19?), Fergusson River, N.T. Total Magnetic Intensity, Preliminary Edition D52/B1-148, Bur. Miner. Resour. Geol. Geophys. Aust. Canberra.
- Commonwealth of Australia (1962) Fergusson River Run 6 5017-5029 Black and White Air Photos, CAG 43 14-4-1962 Commonwealth of Australia.
- C.S.I.R.O. (1977) LANDSAT Image 1033-00451 BD 5-25 August 1972 Katherine, N.T. 1-5-1977 C.S.I.R.O. Mineral Physics
- Geopeko, (1980) Report on Exploration over E.L.1591, Flora River, Geopeko Darwin, 1980 (Unpubl.)
- Harrison, D. (1971) Exploration over AtoP 2603, Northern Territory. Frances Creek Iron Mining Corp. Pty. Ltd., Frances Creek (Unpubl.)
- Keene, J.B. (1971) The Geology of the Mississippi Valley type Lead/Zinc Ore Deposits. *Technical and Field Surveys Pty. Ltd.* Sydney (Unpubl.)
- Pontifex, I.R. and Mendum, J.R. (1972) Fergusson River, N.T. 1:250,000 Geological Series. Bur. Miner. Resour. Geol. Geophys. Aust. Explan. Notes DS52-12
- Renfro, A.R. (1974) Genesis of Evaporite-Associated Stratiform Metalliferous Deposits A Sabkha Process, *Econ. Geol. Vol. 69* pp 33-45
- Stanton, R.L. (1971) Ore Petrology McGraw Hill, New York.

APPENDIX A
STREAM SAMPLE ANALYSES

Sample No.	Cu	(ppm) Pb	Zn	Ni
3	40	16	36	
8	8	8	4	
32	16	48	20	
60	24	32	16	
61	56	16	20	
62	40	32	16	
63	32	32	20	
64	16	48	32	
75	8	< 8	8	
7 6	4	< 8	8	
83	8	< 8	12	
84	8	16	16	
85	8	< 8	8	
86	8	16	12	
5104	20	20	40	10
5106	20	20	25	< 5
5107	20	20	25	10
5114	20	20	45	20
511 5	15	< 10	15	< 5
5409	15	20	25	5

APPENDIX B
RECONNAISSANCE SOIL SAMPLE ANALYSES

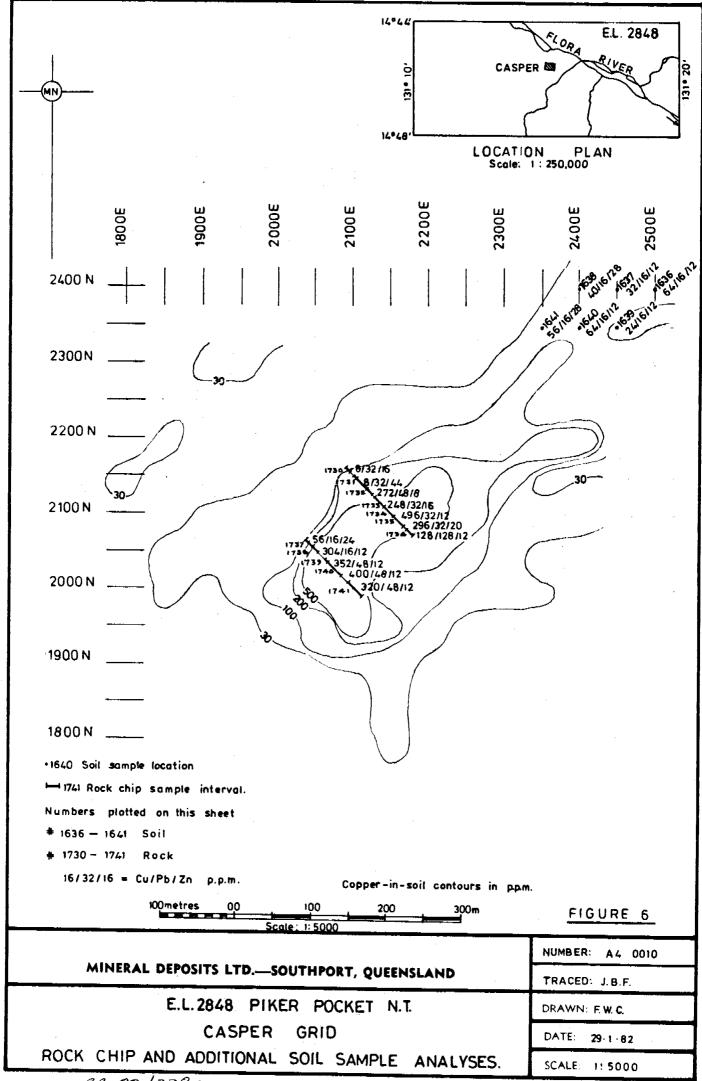
		Ana	lyses pp	m	
	Sample No.	Cu	Pb	 Zn	
					
Hexagon	1380	32	64	36	
(Total 17)	1381	32	48	24	
	1382	24	64	20	
	1383	24	64	20	
	1384	24	48	16	
	1385	24	48	20	
	1386	24	48	20	
	1387	24	48	20	
	1388	24	48	16	
	1389	24	32	36	
	1390	24	48	16	
	1391	24	48	16	
	1392	40	64	16	
	1393	16	48	28	
	1394	24	64	24	
	1395	32	80	36	
	1396	64	32	60	
Susan	1556	24	32	28	
(Total 17)	1557	16	16	28	
	1558	8	16	16	
	1559	16	16	12	
	1560	8	16	12	
	1561	8	16	12	
	1562	16	16	20	
	1563	8	16	12	
	1564	8	16	12	
	1565	16	16	20	
	1566	8	32	20	
	1567	8	16	8	
	1568	8	32	12	
	1569	8	32	12	
	1570	.8	16	12	
	1571	16	16	20	
	1572	8	16	12	
Wallop	1574	16	32	20	
(Total 21)	1575	8	32	16	
(Total 21)	1576	8	16	16	
	1577 1577	8	16	16	
	1578	8	16	16	
	1579	8	16	24	
	1580	8	32	20	
	1581	8	32	12	
	1582	8	8	12	
	1583	8	16	16	
	1584	8	8	20	
	1585	8	16	20	
	1586	16	48	28	
	1587	16	32	24	
			+- -	- ·	

Appendix B (Cont'd).

	Sample No.	A Cu	om Zn	Zn	
					
	1588	8	16	24	
	1589	104	16	24	
	1590	40	16	16	
	1591	56	16	16	
	1592	16	8	8	
	1593	8	16	16	
	1594	8	8	8	
Scissors	1596	4	16	20	
(Total 5)	1597	4	16	20	
	1598	4	16	8	
	1599	16	32	36	
	1600	8	16	28	
Banjo	1595	112	32	40	
(Total 11)	1624	16	16	28	
	1625	32	16	40	
	1626	32	16	24	
	1627	40	80	40	
	1628	40	128	64	
	1629	72	96	37	
	1630	32	32	32	
	1631	72	32	28	
	1633	32	32	32	
	1634	8	16	12	

A							
MN					CASPE		E.L. 2848
2200 N							
2000 N							
1800 N							
1600 E	1800E		2000E		2200E		2400E
Profile Base Profile Scal	48,000 nT. ● 1cm = 100nT.	00	100	200 m		FIGUF	RE 5
MII	NERAL DEPOSITS	LTD.—SO	UTHPORT, Q	UEENSLA	ND	NUMBER: TRACED:	A 4 0005
	C	ASPER	POCKET GRID GNETICS	N.T.		DRAWN: DATE: SCALE:	

CR 82/338



CR 82/338.

