



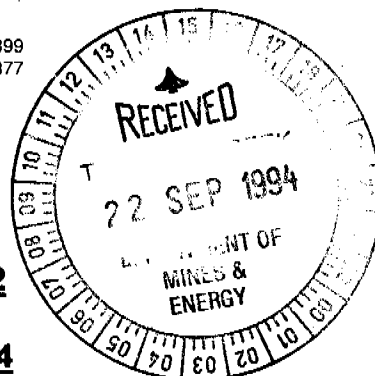
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ANNUAL REPORT

FOR EXPLORATION LICENCE 8142

FOR THE PERIOD 23/8/93 TO 22/8/94

BARROW CREEK DISTRICT, NORTHERN TERRITORY

CROWCALL PROSPECT

BARROW CREEK 1:250,000 SHEET SF 53-6

VOLUME 1 OF 1

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EXPLORATION GEOLOGIST

DATE: SEPTEMBER 1994

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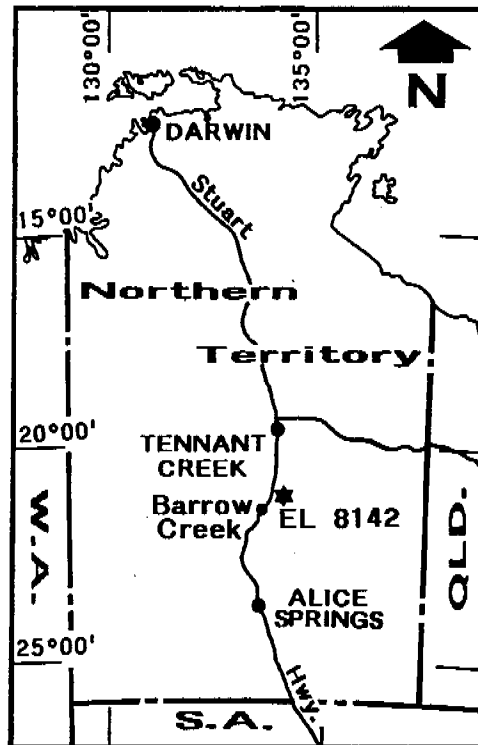
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REPORT NO: 13503
TITLE: ANNUAL REPORT FOR EXPLORATION LICENCE 8142 FOR THE
PERIOD 23/8/93 to 22/8/94, BARROW CREEK DISTRICT,
NORTHERN TERRITORY, CROWCALL PROSPECT
AUTHOR: J KUONI
DATE: SEPTEMBER 1994



1. SUMMARY

Exploration Licence 8142 is currently being explored for shear hosted and/or "Granites" style gold mineralisation under a joint venture agreement between Poseidon Gold Limited (PosGold), Normandy Exploration (Norex) and Yuendumu Mining Company (YMC). The licence forms part of the Barrow Creek Group of tenements. During year one of tenure an exploration programme involving hand and compass gridding and regional soil geochemistry was undertaken. In addition a low level airborne magnetic and radiometric survey was completed, covering 50% of EL 8142.

2. INTRODUCTION

The area covered by the Barrow Creek Joint Venture (BCJV) is located approximately 200 kilometres south of Tennant Creek. Exploration Licence 8142, situated on the eastern edge of the group of tenements, comprises 15 graticular blocks granted on 23 August 1993.

To date, exploration over the licence area has included hand and compass gridding, a minus 80 mesh soil sampling programme and a low level airborne magnetic and radiometric survey, summarised in Table 1.

TABLE 1
SUMMARY WORK STATISTICS FOR EL 8142
FOR THE PERIOD 23/8/93 TO 22/8/94

GRIDDING -		
Hand and Compass		10.4 km
GEOCHEMISTRY -		
Minus 80# soil samples		220 samples
GEOPHYSICS -		
Aeromagnetic/radiometric survey		50% of area

2.1 Location and Access

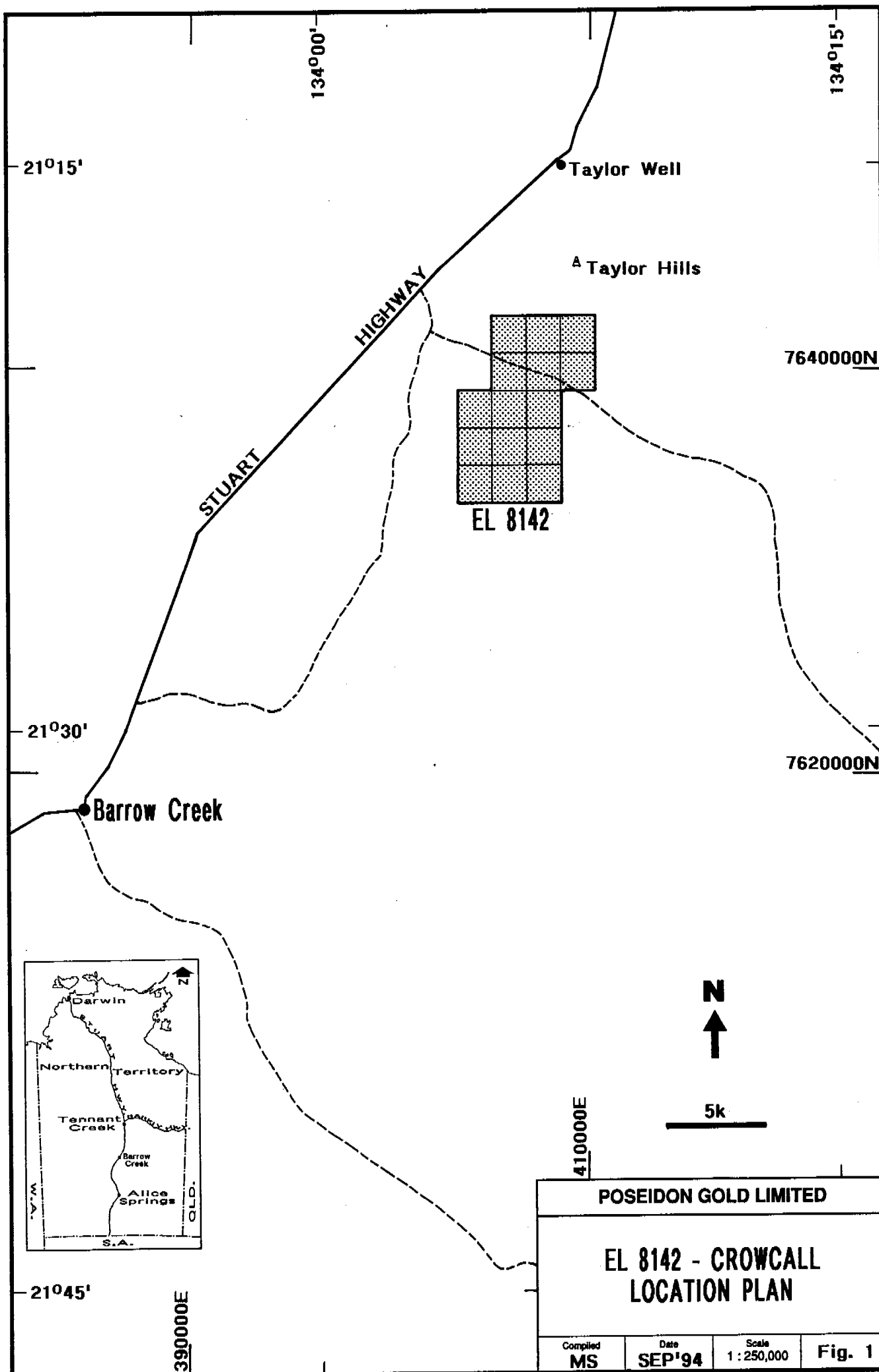
Exploration Licence 8142 is located approximately 35 kilometres north-east of Barrow Creek Hotel, on Neutral Junction Station. Access is via the Stuart Highway and several well maintained station tracks, refer Figure 1.

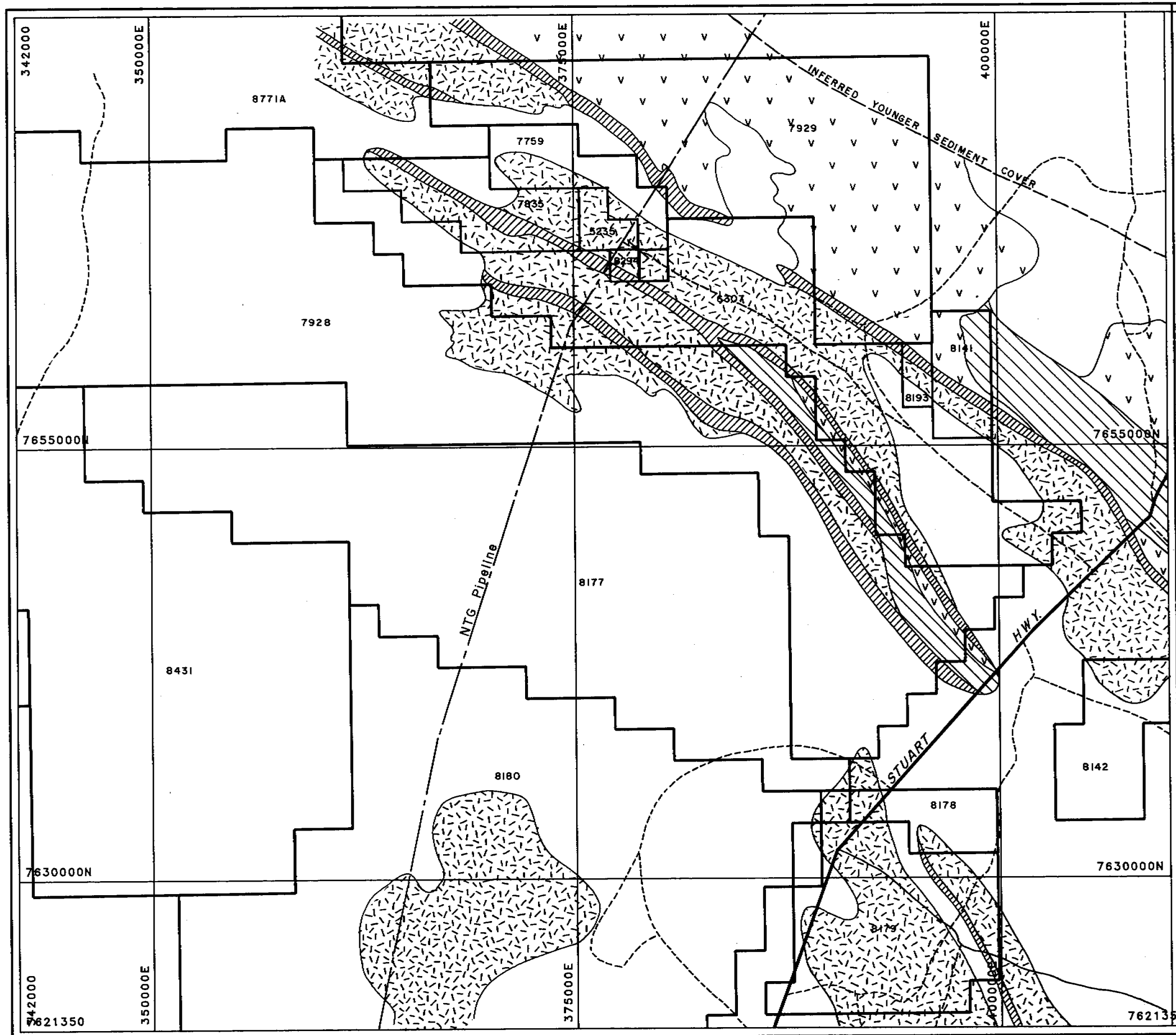
2.2 Tenement Status

The area within exploration licence 8142 was initially granted to Australian Development Limited (ADL), now PosGold, and included under the BCJV area of interest as Exploration Licence 6306. This area was explored and subsequently reduced over the course of its tenure until relinquishment on 15 October 1992. The current 15 blocks were applied for and granted on 23 August 1993, for a period of six years.

2.3 Previous Exploration

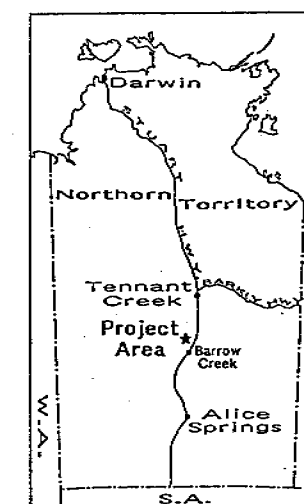
The only evidence of exploration within or adjacent to the licence area is by Kewanee Australia Pty Ltd, who undertook a broad exploration programme within the Crawford-Osborne Range area from 1970-74. A combination of aeromagnetics, radiometrics and EM surveys delineated several targets which were followed up with geological mapping and sampling. A reverse circulation/diamond drilling programme defined a sub-economic Cu-Ni resource (Prospect D) within 1km of the northern boundary of EL 8142, refer Figure 2. The resource grade was considered too low and the ground was subsequently relinquished in 1973.





- Undivided Granitoids
- Hatches Creek Group**
 - Illoquara Sandstone
 - Gwynne Sandstone
 - Strzelecki Volcanics

- Arunta Inlier**
 - Bullion Schist



5k

FIGURE NO. 2

POSEIDON GOLD LIMITED

BARROW CREEK JOINT VENTURE

REGIONAL INTERPRETATIVE GEOLOGY
CRAWFORD - TAYLOR SHEETS

SCALE 1:250000	DRAWN mcs DATAMINE	DATE 16 FEB 94	CHECKED JK
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Other exploration in the Barrow Creek region was conducted by Australus Mining Co Pty Ltd during 1969 for base metal potential in the Crawford Range area. Pegmatites, granites and metadolerites were targeted with disappointing results.

3. GEOLOGICAL SETTING

3.1 Regional Geology

Biotite/muscovite-quartz schists of the Bullion Schist Formation are the oldest rocks identified in the Barrow Creek area. Accompanied by discontinuous lenses of amphibolite/metadolerite, these comprise the Arunta Inlier. Deformation and regional metamorphism to upper greenschist facies took place between 1810-1750 Ma (Black, 1981).

Unconformably overlying these rocks are the Lower Proterozoic Hatches Creek Group, comprising shallow marine sediments and felsic to mafic volcanics. The Hatches Creek Group can be subdivided into a lower and upper unit, the first made up of immature sandstones and pelites, while the upper unit comprises more mature cross-bedded arenites and siltstones.

Following deposition, the Hatches Creek Group was folded about NW trending axes and metamorphosed to upper greenschist facies. Later intrusion of both the Arunta basement and the Hatches Creek Group by granitoids took place around 1660 Ma (Blake et al, 1987).

A long erosional period followed with subsequent weathering during the Tertiary to produce silcrete and ferricrete horizons. A thin veneer of quaternary sands and soils overlays the area.

3.2 Local Geology

Surface geology over Exploration Licence 8142 ranges from massive outcrop to relatively thick cover. Mica-quartz schists to moderately metamorphosed sediments are the dominant lithotype, with a series of mafic rocks including metadolerites to metadacites running north-south through the central portion of the area. Massive granite intrudes the sediments to the west.

4. EXPLORATION SUMMARY AND RESULTS FOR THE PERIOD 23/8/93 TO 22/8/94

EL 8142 has undergone an exploration programme involving hand and compass gridding, follow-up regional soil geochemistry and an aeromagnetic survey over the northern portion.

4.1 Minus 80 Mesh Soil Geochemistry

During the tenure of exploration licence 6306 a regional soil sampling programme was carried out on a 500 metre x 250 metre spaced grid covering interpreted Bullion Schist formation. A subtle gold response of 12 ppb with minor arsenic responses were returned. No further work was carried out on this area under EL 6306. In 1993 a reappraisal of all regional soil geochemical data for the Barrow Creek region led to the application for EL 8142 to further investigate the 12 ppb Au value. Subsequently a follow-up programme was carried out during 1993, with 220 infill soil samples being collected on 50 metre x 200 metre spacings. This work defined several low order gold anomalies, including a 0.6 x 0.1km anomaly with a peak gold value of 13 ppb Au. Arsenic values peaked at 12 ppm, with an average of 3-4 ppm.

Plans 1-3 show the follow-up soil locations and assay values, with relevant original soil geochemical data. Geochemical assay data is presented in Appendix 1.

4.2 Aeromagnetic Survey

An airborne magnetic and radiometric survey along 100 metre spaced lines at 40 metres mean terrain clearance was completed during April 1994 by World Geoscience Corporation Ltd (Aerodata). A total of 11,200 line kilometres were flown in a NW-SE strip, incorporating the northern section of EL 8142.

Preliminary results have been received and this has highlighted detailed structural features within the area of interest. Final results are expected over the next few months, and a detailed interpretative geological map will be produced from all the data, and reported in the next Annual report for EL 8142.

5. EXPLORATION EXPENDITURE FOR THE PERIOD 23/8/93 TO 22/8/94

Expenditure on Exploration Licence 8142 for the first year of tenure is outlined in Table 2 below:

TABLE 2
EXPLORATION EXPENDITURE FOR EL 8142
FROM 23/8/93 TO 22/8/94

EXPENSE	COST
Employee Costs	\$ 2,963
Overheads	\$ 151

Assays	\$	2,000
Operating Costs	\$	2,595
Specialist Services	\$	10,755
Tenement Costs	\$	115

TOTAL	\$	18,579
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Covenant	\$	14,000
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**6. PROPOSED EXPLORATION AND EXPENDITURE FOR THE PERIOD
23/8/94 TO 22/8/95**

Exploration over EL 8142 during the next 12 month period will include continued regional soil geochemistry over untested areas of interpreted Bullion Schist. Sampling will mainly concentrate on the southern portion of the licence, covering areas identified through BMR aeromagnetic data. A bedrock vacuum drilling programme is proposed to follow-up the anomalous soil geochemistry defined to date, as well as any further anomalies which may be defined during the next phase of soil sampling.

Geological interpretation of the recently flown aeromagnetic survey will be undertaken to provide structural and lithological information at regional and prospect scales to direct exploration in the area.

A summary of proposed exploration expenditure is given in Table 3 below:

TABLE 3
PROPOSED EXPENDITURE ON EL 8142
FOR THE PERIOD 23/8/94 TO 22/8/95

EXPENSE	COST
Employee Costs	\$ 5,700
Overheads	\$ 2,500
Drilling	\$ 2,250
Assays	\$ 4,050
Operating	\$ 3,000
Specialist Services	\$ 2,000
Research	\$ 500
	\$ 20,000

7. REFERENCES

Blake, T U, Stewart A J , Sweet I P, and Hone I E (1987) - *Geology of the Proterozoic Davenport Province, Central Australia*. Bureau of Mineral Resources, Australia, Bulletin, 226.

Black, L P (1981) - *Age of the Warramunga Group, Tennant Creek Block, Northern Territory*, BMR Journal of Australian Geology and Geophysics, 6, 253-257.

APPENDIX ONE

SOIL GEOCHEMICAL ASSAY DATA

Au	ppb
As	ppm
Cu	ppm
Pb	ppm
Zn	ppm
Mn	ppm
Ni	ppm
Co	ppm
Fe	%

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

SNN	EASTING	NORTHING	AU	AS	CU	PB	ZN
215401	409500	7640250	0	3	6	2	11
215402	409500	7640200	4	4	5	2	9
215403	409500	7640150	0	4	6	2	10
215404	409500	7640100	0	4	5	2	9
215405	409500	7640050	0	3	5	2	9
215406	409500	7640000	0	4	5	2	9
215407	409500	7639950	0	3	4	2	8
215408	409500	7639900	0	3	4	2	7
215409	409500	7639850	1	7	7	2	9
215410	409500	7639800	3	2	5	2	9
215411	409500	7639750	0	3	6	2	9
215412	409500	7639700	0	4	5	2	8
215413	409500	7639650	0	4	5	2	8
215414	409500	7639600	0	3	6	2	9
215415	409500	7639550	0	5	9	2	11
215416	409500	7639500	0	5	9	2	11
215417	409500	7639450	1	6	9	2	10
215418	409500	7639400	0	6	9	2	10
215419	409500	7639350	0	7	8	2	10
215420	409500	7639300	0	9	11	2	10
215421	409500	7639250	1	11	11	2	11
215422	409700	7639250	2	11	12	2	12
215423	409700	7639300	0	9	10	2	10
215424	409700	7639350	0	9	10	2	10
215425	409700	7639400	0	9	11	2	11
215426	409700	7639450	2	10	11	2	11
215427	409700	7639500	0	9	11	2	11
215428	409700	7639550	0	11	12	2	10
215429	409700	7639600	2	12	12	2	11
215430	409700	7639650	0	12	12	2	11
215431	409700	7639700	1	10	11	2	9
215432	409700	7639750	0	12	11	2	9
215433	409700	7639800	2	11	11	2	10
215434	409700	7639850	0	11	11	2	10
215435	409700	7639900	1	10	11	2	11
215436	409700	7639950	2	10	11	2	11
215437	409700	7640000	0	11	11	2	10
215438	409700	7640050	3	11	11	2	12
215439	409700	7640100	0	11	11	2	11
215440	409700	7640150	1	10	10	2	10
215441	409700	7640200	0	10	11	2	11
215442	409700	7640250	1	11	10	2	14
215443	409900	7639750	1	11	11	2	12
215444	409900	7639700	1	10	11	2	11
215445	409900	7639650	3	9	11	2	9
215446	409900	7639600	1	10	11	2	10
215447	409900	7639550	0	3	7	2	9
215448	409900	7639500	1	4	7	2	9
215449	409900	7639450	1	4	7	2	10
215450	409900	7639400	0	4	7	2	9
215451	409900	7639350	0	5	8	2	10
215452	409900	7639300	0	4	6	2	8
215453	409900	7639250	0	4	8	2	11
215454	410100	7639250	1	4	7	2	11
215455	410100	7639300	0	3	8	2	10
215456	410100	7639350	1	4	7	2	10
215457	410100	7639400	0	4	8	2	11
215458	410100	7639450	0	5	9	2	11
215459	410100	7639500	0	3	8	2	10

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

FE	MN	NI	CO
1	128	6	2
1	108	5	2
2	116	6	2
1	116	6	2
1	94	2	2
1	84	6	2
1	79	2	2
1	73	2	2
2	109	6	2
1	100	2	2
1	118	6	2
1	89	5	2
1	75	2	2
2	126	6	2
1	125	8	2
1	114	9	2
1	127	9	2
1	131	9	2
1	85	7	2
1	152	10	5
2	147	11	5
2	106	11	5
1	93	9	2
1	109	10	2
2	123	10	5
2	132	11	5
2	135	12	5
1	138	11	2
2	126	11	5
2	129	12	5
1	89	9	2
1	82	9	2
1	107	10	2
1	111	10	2
1	110	10	2
1	113	10	5
1	100	10	2
2	117	11	6
2	107	11	5
1	92	10	2
1	68	10	2
1	76	10	2
2	107	11	2
1	104	10	2
1	113	10	2
1	106	9	2
1	90	7	2
1	105	8	2
2	126	9	2
1	108	8	2
2	116	9	2
1	89	7	2
1	121	9	2
1	122	9	2
1	156	9	2
1	137	9	2
1	139	9	2
2	134	9	2
1	83	14	2

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

SNN	EASTING	NORTHING	AU	AS	CU	PB	ZN
215460	410100	7639550	1	4	6	2	8
215461	410100	7639600	0	4	9	2	9
215462	410100	7639650	1	4	6	2	8
215463	410100	7639700	0	4	7	2	10
215464	410100	7639750	1	5	6	2	8
215465	410100	7639800	0	4	6	2	8
215466	410100	7639850	2	4	5	2	7
215467	410100	7639900	2	5	5	2	7
215468	410100	7639950	0	4	5	2	7
215469	410100	7640000	3	4	5	2	7
215470	410100	7640050	2	3	5	2	7
215471	410100	7640100	2	4	5	2	7
215472	410100	7640150	5	3	5	2	7
215473	410100	7640200	0	5	6	2	8
215474	410100	7640250	0	4	5	2	7
215475	409900	7640250	0	3	5	2	7
215476	409900	7640200	0	4	5	2	7
215477	409900	7640150	0	4	6	2	8
215478	409900	7640100	0	4	6	2	8
215479	409900	7640050	1	4	6	2	8
215480	409900	7640000	4	4	6	2	7
215481	409900	7639950	5	5	6	2	8
215482	409900	7639900	0	4	6	2	9
215483	409900	7639850	0	4	7	2	9
215484	409900	7639800	0	4	6	2	9
215485	410300	7639750	0	4	6	2	8
215486	410300	7639700	0	4	6	2	9
215487	410300	7639650	2	4	6	2	9
215488	410300	7639600	0	3	6	2	8
215489	410300	7639550	0	4	5	2	7
215490	410300	7639500	0	3	5	2	7
215491	410300	7639450	0	5	8	2	12
215492	410300	7639400	1	5	8	2	12
215493	410300	7639350	0	4	7	2	11
215494	410300	7639300	1	4	6	2	11
215495	410300	7639250	1	4	7	2	12
215496	410500	7639250	6	3	6	2	10
215497	410500	7639300	0	4	7	2	11
215498	410500	7639350	0	4	7	2	11
215499	410500	7639400	6	4	7	2	11
215500	410500	7639450	0	4	7	2	11
215501	410500	7639500	0	3	6	2	9
215502	410500	7639550	0	4	5	2	9
215503	410500	7639600	0	3	5	2	8
215504	410500	7639650	1	4	6	2	9
215505	410500	7639700	1	4	4	2	7
215506	410500	7639750	0	3	5	2	7
215507	410500	7639800	0	3	4	2	7
215508	410500	7639850	0	4	6	2	9
215509	410500	7639900	0	3	5	2	8
215510	410500	7639950	0	3	5	2	8
215511	410500	7640000	0	3	5	2	8
215512	410500	7640050	1	4	4	2	7
215513	410500	7640100	0	4	4	2	7
215514	410500	7640150	1	4	5	2	8
215515	410500	7640200	8	5	6	2	9
215516	410500	7640250	0	4	6	2	9
215517	410300	7640250	0	4	5	2	9
215518	410300	7640200	0	3	5	2	7

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

FE	MN	NI	CO
1	81	8	2
1	129	9	2
1	90	7	2
1	80	10	2
1	102	8	2
1	110	7	2
1	99	7	2
1	67	7	2
1	55	7	2
1	58	7	2
1	55	7	2
1	50	7	2
1	45	7	2
1	44	8	2
1	67	7	2
1	61	11	2
1	78	7	2
1	86	8	2
1	76	7	2
1	89	8	2
1	79	8	2
1	99	8	2
1	96	8	2
1	102	15	2
1	92	8	2
1	85	7	2
1	112	7	2
1	105	8	2
1	110	8	2
1	84	7	2
1	77	6	2
2	166	10	5
2	172	10	2
1	130	9	2
1	165	10	2
1	124	9	2
1	114	8	2
1	122	9	2
2	141	10	2
1	135	9	2
1	145	9	2
1	115	8	2
1	96	8	2
1	97	7	2
1	113	7	2
1	65	6	2
1	88	7	2
1	69	6	2
1	97	8	2
1	92	8	2
1	82	7	2
1	83	7	2
1	58	7	2
1	51	7	2
1	48	7	2
2	62	8	2
2	71	8	2
1	106	7	2
1	39	7	2

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

SNN	EASTING	NORTHING	AU	AS	CU	PB	ZN
215519	410300	7640150	0	4	4	2	7
215520	410300	7640100	1	4	4	2	7
215521	410300	7640050	0	4	4	2	7
215522	410300	7640000	0	4	5	2	7
215523	410300	7639950	0	4	6	2	8
215524	410300	7639900	0	4	6	2	9
215525	410300	7639850	1	4	6	2	8
215526	410300	7639800	1	3	5	2	7
215527	410700	7639750	1	3	5	2	8
215528	410700	7639700	1	3	5	2	7
215529	410700	7639650	0	4	5	2	8
215530	410700	7639600	3	3	5	2	7
215531	410700	7639550	0	4	7	2	9
215532	410700	7639500	5	5	7	2	10
215533	410700	7639450	0	4	6	2	9
215534	410700	7639400	1	5	7	2	10
215535	410700	7639350	0	4	6	2	10
215536	410700	7639300	0	4	7	2	11
215537	410700	7639250	0	3	7	2	11
215538	410900	7639250	0	3	6	2	8
215539	410900	7639300	0	3	7	2	10
215540	410900	7639350	0	3	6	2	8
215541	410900	7639400	3	4	7	2	10
215542	410900	7639450	0	4	7	2	9
215543	410900	7639500	0	4	6	2	9
215544	410900	7639550	0	4	6	2	8
215545	410900	7639600	0	4	6	2	9
215546	410900	7639650	2	4	6	2	9
215547	410900	7639700	0	4	6	2	9
215548	410900	7639750	0	4	7	2	9
215549	410900	7639800	0	3	5	2	8
215550	410900	7639850	0	4	4	2	7
215551	410900	7639900	0	4	4	2	7
215552	410900	7639950	0	4	5	2	7
215553	410900	7640000	2	4	5	2	7
215554	410900	7640050	0	4	4	2	7
215555	410900	7640100	0	4	5	2	8
215556	410700	7640100	0	4	6	2	8
215557	410700	7640050	0	4	5	2	8
215558	410700	7640000	0	4	5	2	7
215559	410700	7639950	0	4	5	2	8
215560	410700	7639900	1	4	5	2	8
215561	410700	7639850	1	4	5	2	7
215562	410700	7639800	0	4	5	2	7
215563	411100	7639750	0	3	5	2	7
215564	411100	7639700	0	3	5	2	7
215565	411100	7639650	0	3	5	2	8
215566	411100	7639600	2	5	6	2	8
215567	411100	7639550	1	4	6	2	9
215568	411100	7639500	1	5	6	2	9
215569	411100	7639450	0	4	7	2	10
215570	411100	7639400	1	4	6	2	10
215571	411100	7639350	6	3	6	2	10
215572	411100	7639300	0	4	4	2	6
215573	411100	7639250	0	4	6	2	9
215574	411300	7639250	0	5	8	2	12
215575	411300	7639300	1	4	6	2	8
215576	411300	7639350	3	4	6	2	11
215577	411300	7639400	0	4	5	2	8

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

FE	MN	NI	CO
1	53	6	2
1	48	6	2
1	53	6	2
1	44	6	2
1	90	7	2
1	104	8	2
1	83	8	2
1	90	7	2
1	82	7	2
1	93	7	2
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1	91	7	2
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1	134	9	2
1	108	8	2
1	123	9	2
2	126	9	2
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1	119	8	2
1	112	8	2
1	138	8	2
1	99	8	2
1	116	8	2
1	95	7	2
1	111	8	2
1	116	8	2
1	106	8	2
1	112	9	2
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1	54	6	2
1	43	7	2
1	40	7	2
1	39	7	2
1	52	8	2
1	95	8	2
1	70	8	2
1	66	7	2
1	84	7	2
1	77	7	2
1	74	7	2
1	77	6	2
1	76	6	2
1	74	6	2
1	90	7	2
1	100	8	2
1	110	8	2
1	124	8	2
1	143	9	2
1	116	8	2
1	83	8	2
1	45	6	2
1	105	8	2
2	152	10	2
1	90	8	2
1	123	8	2
1	90	7	2

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

SNN	EASTING	NORTHING	AU	AS	CU	PB	ZN
215519	410300	7640150	0	4	4	2	7
215520	410300	7640100	1	4	4	2	7
215521	410300	7640050	0	4	4	2	7
215522	410300	7640000	0	4	5	2	7
215523	410300	7639950	0	4	6	2	8
215524	410300	7639900	0	4	6	2	9
215525	410300	7639850	1	4	6	2	8
215526	410300	7639800	1	3	5	2	7
215527	410700	7639750	1	3	5	2	8
215528	410700	7639700	1	3	5	2	7
215529	410700	7639650	0	4	5	2	8
215530	410700	7639600	3	3	5	2	7
215531	410700	7639550	0	4	7	2	9
215532	410700	7639500	5	5	7	2	10
215533	410700	7639450	0	4	6	2	9
215534	410700	7639400	1	5	7	2	10
215535	410700	7639350	0	4	6	2	10
215536	410700	7639300	0	4	7	2	11
215537	410700	7639250	0	3	7	2	11
215538	410900	7639250	0	3	6	2	8
215539	410900	7639300	0	3	7	2	10
215540	410900	7639350	0	3	6	2	8
215541	410900	7639400	3	4	7	2	10
215542	410900	7639450	0	4	7	2	9
215543	410900	7639500	0	4	6	2	9
215544	410900	7639550	0	4	6	2	8
215545	410900	7639600	0	4	6	2	9
215546	410900	7639650	2	4	6	2	9
215547	410900	7639700	0	4	6	2	9
215548	410900	7639750	0	4	7	2	9
215549	410900	7639800	0	3	5	2	8
215550	410900	7639850	0	4	4	2	7
215551	410900	7639900	0	4	4	2	7
215552	410900	7639950	0	4	5	2	7
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215558	410700	7640000	0	4	5	2	7
215559	410700	7639950	0	4	5	2	8
215560	410700	7639900	1	4	5	2	8
215561	410700	7639850	1	4	5	2	7
215562	410700	7639800	0	4	5	2	7
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215566	411100	7639600	2	5	6	2	8
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215569	411100	7639450	0	4	7	2	10
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215571	411100	7639350	6	3	6	2	10
215572	411100	7639300	0	4	4	2	6
215573	411100	7639250	0	4	6	2	9
215574	411300	7639250	0	5	8	2	12
215575	411300	7639300	1	4	6	2	8
215576	411300	7639350	3	4	6	2	11
215577	411300	7639400	0	4	5	2	8

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

SNN	EASTING	NORTHING	AU	AS	CU	PB	ZN
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215580	411300	7639550	0	4	6	2	11
215581	411300	7639600	0	4	4	2	13
215582	411300	7639650	0	4	6	2	11
215583	411300	7639700	0	5	6	2	8
215584	411300	7639750	9	5	6	2	8
215585	411300	7639800	0	5	6	2	8
215586	411300	7639850	0	4	5	2	8
215587	411300	7639900	0	4	5	2	8
215588	411100	7639900	0	4	6	2	8
215589	411100	7639850	0	4	6	2	8
215590	411100	7639800	0	4	6	2	8
215591	411300	7639500	0	4	6	2	9
215592	411300	7639450	0	5	6	2	9
215593	411300	7639400	3	5	7	2	10
215594	411300	7639350	0	6	7	2	10
215595	411300	7639300	0	5	7	2	9
215596	411300	7639250	1	5	6	2	8
215597	411500	7639250	6	5	6	2	8
215598	411500	7639300	0	5	7	2	9
215599	411500	7639350	0	5	6	2	8
215600	411500	7639400	0	4	5	2	8
215601	411500	7639450	0	4	6	2	10
215602	411500	7639500	3	4	7	2	9
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215605	411500	7639650	0	4	5	2	8
215606	411500	7639700	0	5	5	2	8
215607	411300	7639700	0	5	6	2	9
215608	411300	7639650	0	4	6	2	8
215609	411300	7639600	0	5	6	2	9
215610	411300	7639550	0	4	6	2	9
215611	411700	7639500	3	5	5	2	8
215612	411700	7639450	0	4	5	2	7
215613	411700	7639400	0	5	6	2	8
215614	411700	7639350	0	5	6	2	8
215615	411700	7639300	1	5	5	2	8
215616	411700	7639250	0	5	6	2	9
215617	411900	7639250	0	5	6	2	8
215618	411900	7639300	0	4	5	2	8
215619	411900	7639350	0	5	5	2	7
215620	411900	7639400	5	5	6	2	8
215621	411900	7639450	1	6	7	2	10
215622	411900	7639500	13	5	7	2	10
215623	411900	7639550	0	5	7	2	10
215624	411700	7639550	0	4	6	2	9
215625	412100	7639500	0	5	8	2	11
215626	412100	7639450	0	6	9	2	12
215627	412100	7639400	0	5	8	2	10
215628	412100	7639350	0	6	8	2	11
215629	412100	7639300	0	6	7	2	10
215630	412100	7639250	0	4	6	2	7

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

FE	MN	NI	CO
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1	48	6	2
1	53	6	2
1	44	6	2
1	90	7	2
1	104	8	2
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1	90	7	2
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1	116	8	2
1	83	8	2
1	45	6	2
1	105	8	2
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1	90	8	2
1	123	8	2
1	90	7	2

EL 8142 - CROWCALL SOIL GEOCHEMISTRY ASSAY DATA

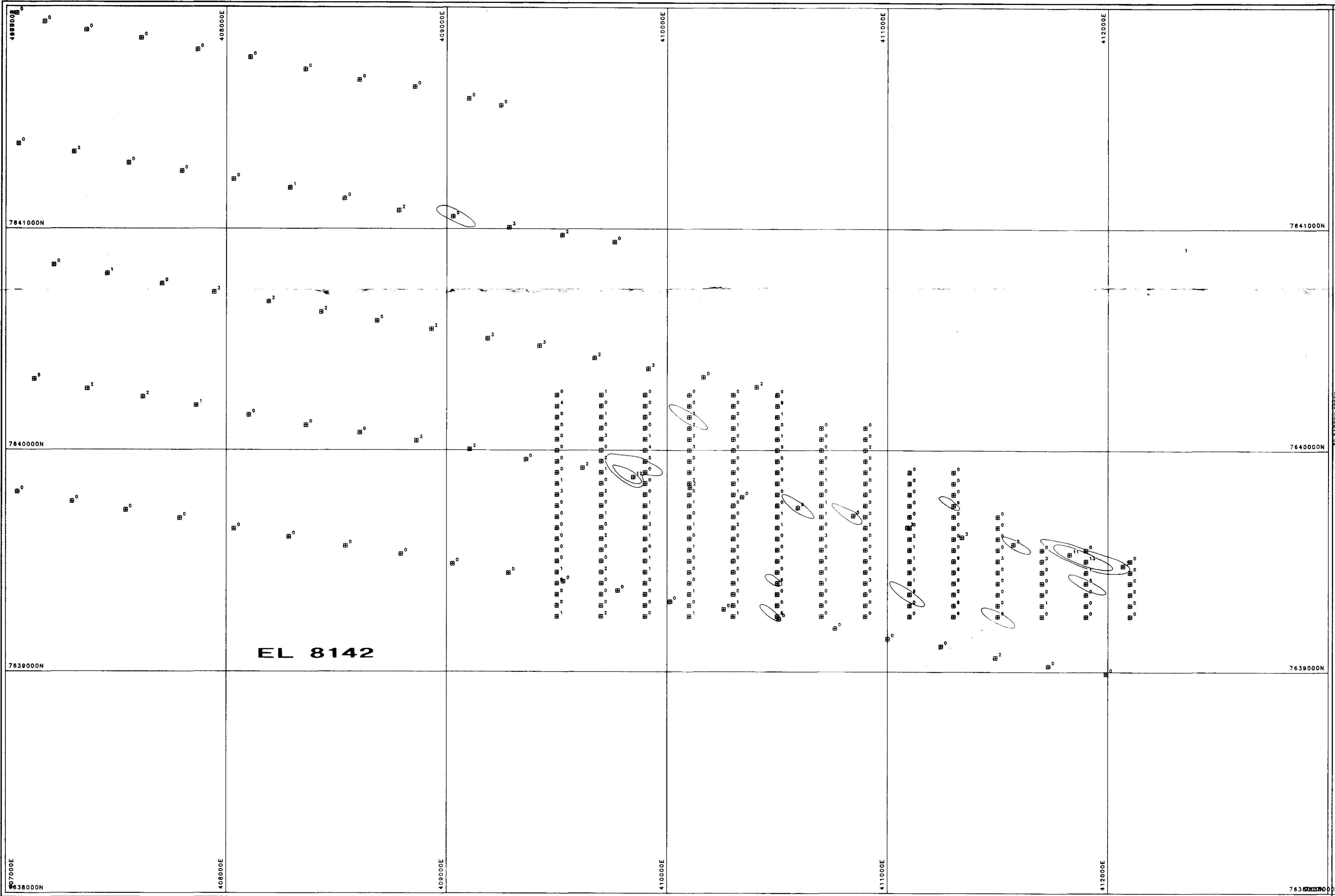
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1	87	8	2
1	89	8	2
1	83	7	2
1	76	8	2
1	95	8	2
1	100	7	2
1	108	8	2
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2	113	10	2
2	53	10	2
1	73	8	2
2	86	10	2
2	165	12	6
2	68	11	2
2	94	10	2
2	79	9	2
2	67	8	2

APPENDIX TWO

BIBLIOGRAPHIC DATA SHEET

BIBLIOGRAPHIC DATA-SHEET

REPORT NUMBER	13503
REPORT NAME	ANNUAL REPORT FOR EXPLORATION LICENCE 8142 FOR THE PERIOD 23/8/93 TO 22/8/94, BARROW CREEK DISTRICT, NORTHERN TERRITORY, CROWCALL PROSPECT
PROSPECT NAME(S)	EL 8142 CROWCALL PROSPECT
OWNER/JV PARTNERS	POSEIDON GOLD LIMITED NORMANDY EXPLORATION LTD YUENDUMU MINING CO PTY LTD
KEYWORDS	ARUNTA INLIER BULLION SCHIST AIRBORNE MAGNETIC SURVEY RADIOMETRICS SOIL GEOCHEMISTRY
COMMODITIES	GOLD
TECTONIC UNIT	ARUNTA INLIER
1:250,000 MAP SHEET	BARROW CREEK SF 53-6
1:100,000 MAP SHEET	TAYLOR SF 53-6/2

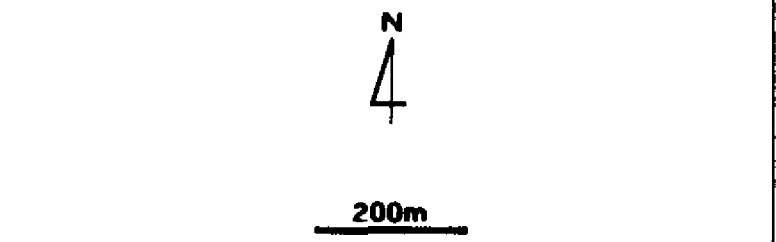
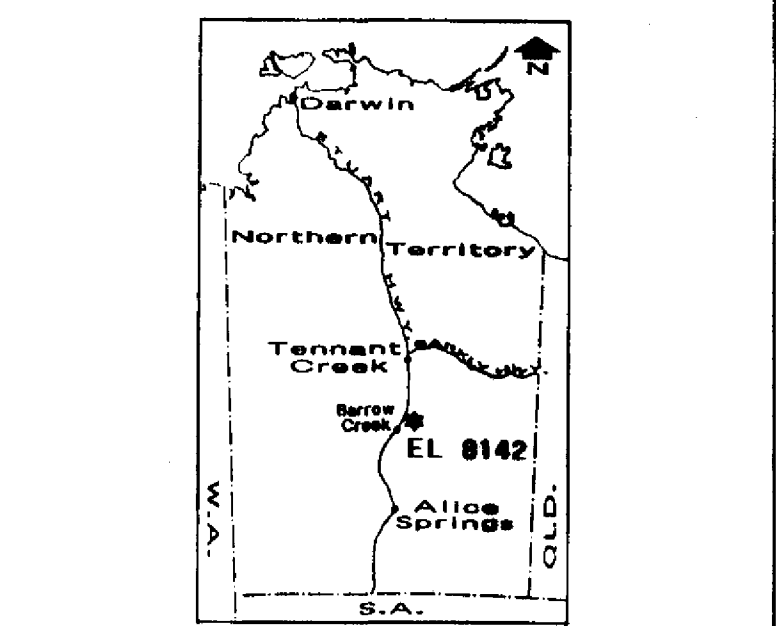
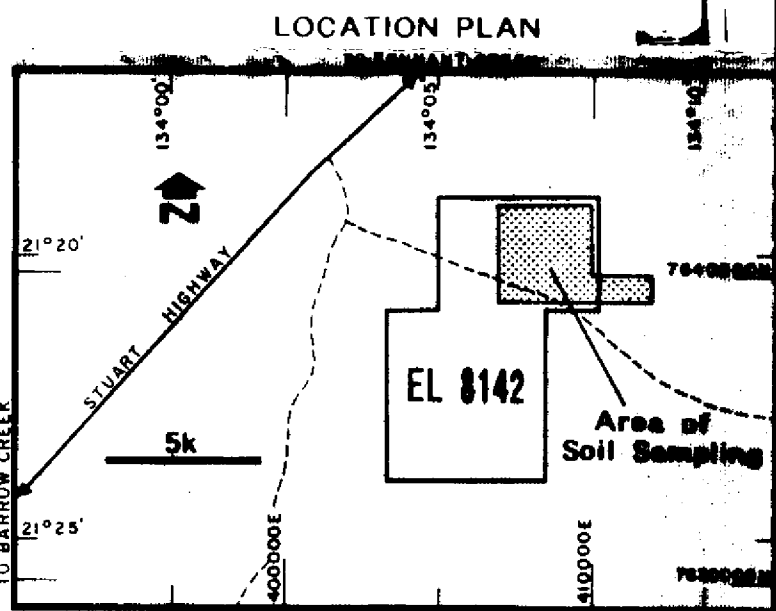


CR 94/697

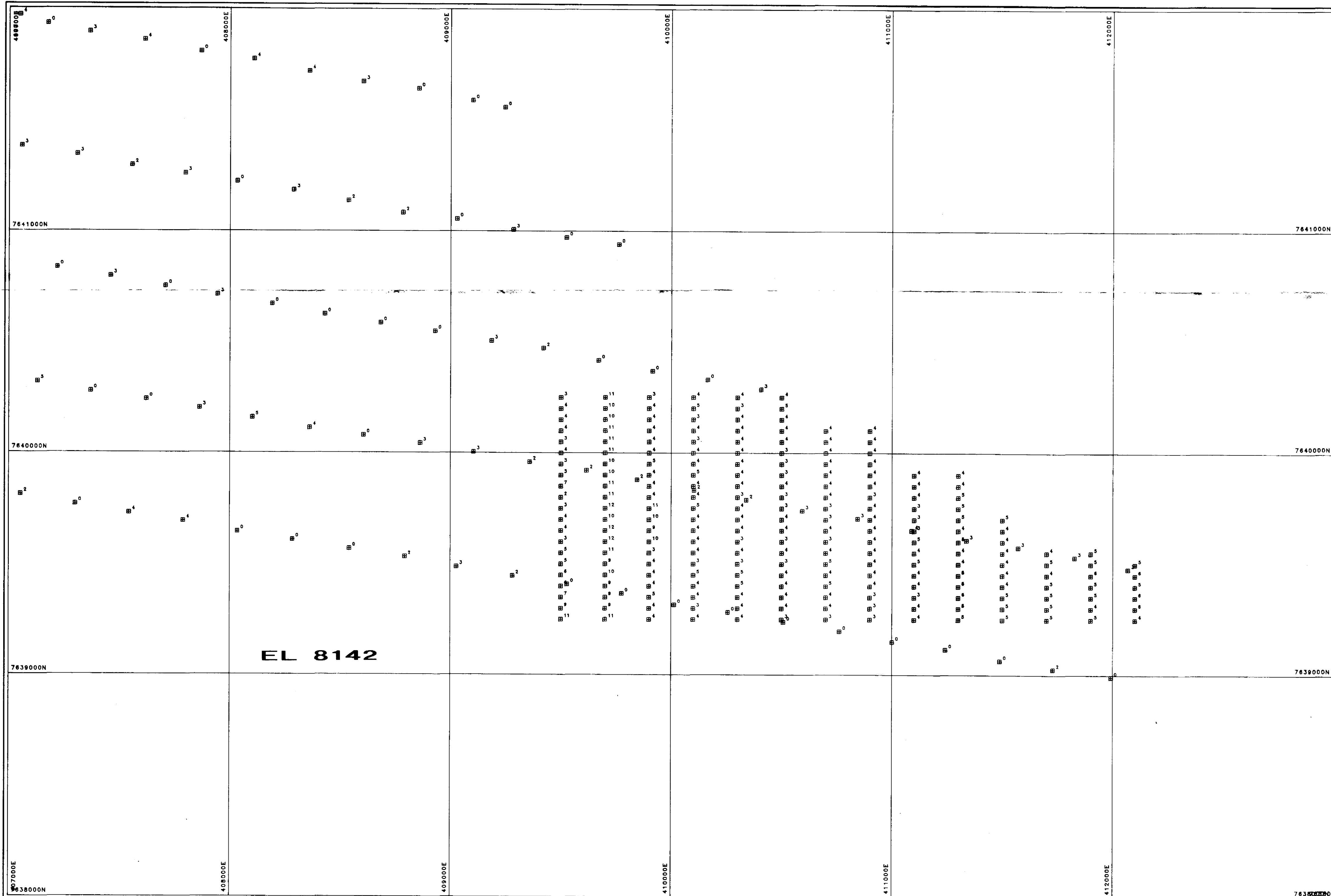
LEGEND:

□ 5 - 10ppb Au

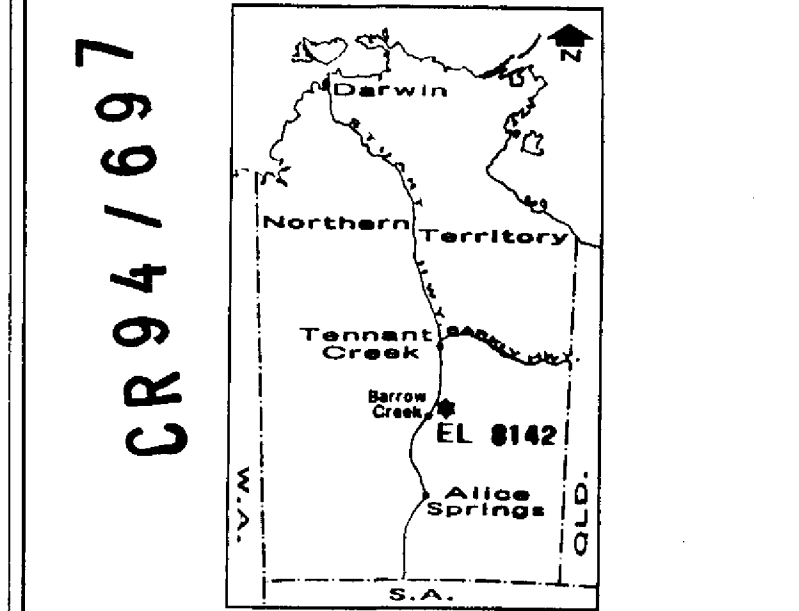
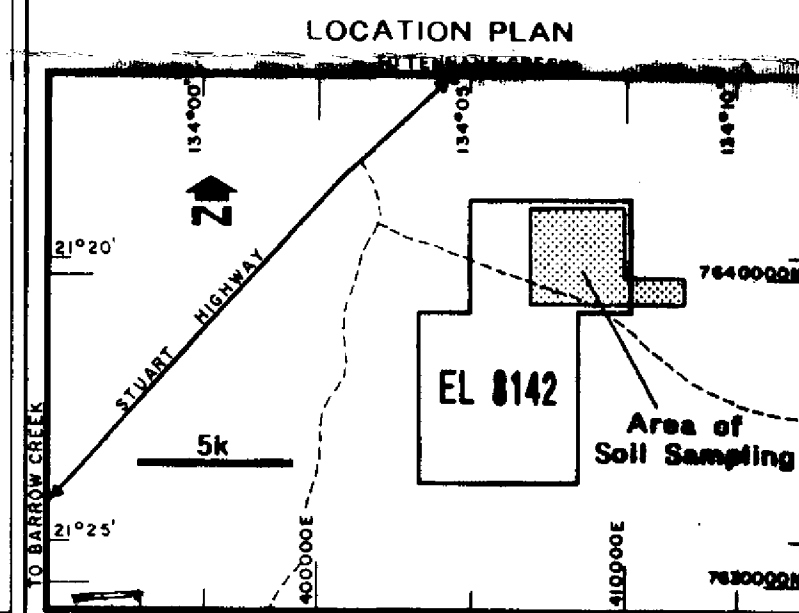
□ >10ppb Au



POSEIDON GOLD LIMITED			
BARROW CREEK JOINT VENTURE			
EL 8142 CROWCALL			
-80# SOIL GEOCHEMISTRY - AU(ppb)			
SCALE	DRAWN	DATE	CHECKED
1:10000	DATAMINE	13 SEP 94	JK



EL 8142



Plan No. 3			
POSEIDON GOLD LIMITED			
BARROW CREEK JOINT VENTURE			
EL 8142 CROWCALL			
-80# SOIL GEOCHEMISTRY - AS(ppm)			
SCALE 1:10000	DRAWN DATAMINE	DATE 13 SEP 94	CHECKED JK