POSEIDON GOLD LIMITED

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RELINQUISHMENT REPORT

FOR EXPLORATION LICENCE 6795

FOR THE PERIOD 5/4/93 to 4/4/94

TENNANT CREEK DISTRICT, NORTHERN TERRITORY

WREN PROSPECT

TENNANT CREEK 1:250,000 SHEET SE 53-14

VOLUME 1 OF 1

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DATE: JUNE 1994

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COMMODITIES: Gold

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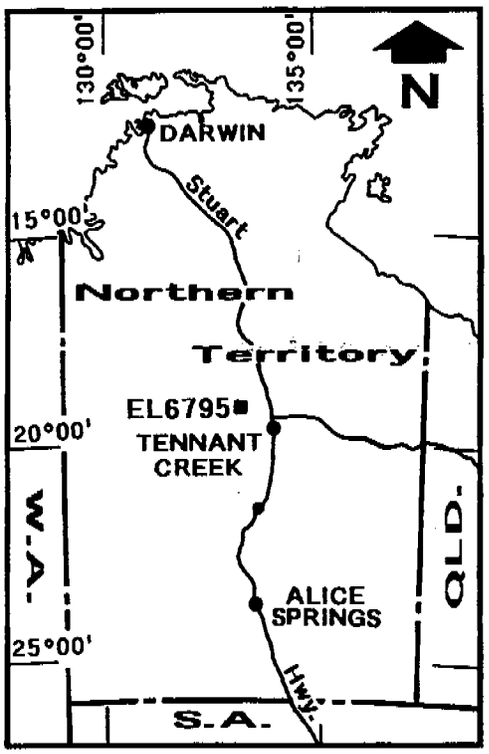
REPORT NO: 13377
TITLE: RELINQUISHMENT REPORT FOR EXPLORATION LICENCE 6795 FOR THE PERIOD 5/4/93 to 4/4/94, TENNANT CREEK DISTRICT, NORTHERN TERRITORY, WREN PROSPECT
AUTHOR: T J HUNTER
DATE: JUNE 1994



1. SUMMARY

This report details the work undertaken by Poseidon Gold Limited (PosGold) on the two graticular blocks of EL 6795 (Wren), relinquished on 4 April 1994. This report covers the period from 5/4/93 to 4/4/94.

Exploration Licence 6795 was granted to PosGold on 5 April 1990 for a period of six years, and comprised 20 graticular blocks. Subsequently, the licence has undergone three statutory reductions, with two blocks relinquished in the latest.

The Exploration Licence is located approximately 13 km north of the Warrego township and mine site. Exploration completed by PosGold on the relinquished portion of the licence includes the following:

- a review of previous exploration data for the licence area;
- a detailed ground magnetic survey over the "Lion Prospect" in the south-east corner of the licence; and
- a grid based soil sampling programme.

Work to date indicates that the relinquished graticular blocks hold little potential for significant economic mineralisation.

2. INTRODUCTION

2.1 Location and Access

Exploration Licence 6795 (Wren) is located approximately 13 km north of the Warrego township and mine site, refer Figure 1. Access is via a well formed dirt road which leaves the sealed Warrego Road opposite the security gate to Warrego Mine site, and leads to Mad Mick's Mine (Last Hope Mine).

2.2 Climate and Physiography

The climate of the Tennant Creek district is mild to warm and dry throughout autumn, winter and spring, with cool to cold winds in winter. High temperatures (in excess of 35° C) occur in summer with seasonal rainfall from December to March.

The physiography of the licence ranges from broad flat valleys, low hills associated with siltstone and greywacke outcrops and steep sided ridges formed by the quartzites of the Tomkinson Creek Group.

2.3 Tenure

Exploration Licence 6795 was granted to Poseidon Gold Limited on 5 April 1990 for a period of six years and comprised 20 graticular blocks. Subsequently, the licence has undergone three statutory reduction and currently consists of three blocks.

3. REGIONAL GEOLOGY

Exploration Licence 6795 covers the unconformable contact between the younger Tomkinson Creek Group to the north and the underlying Warramunga Group. Immediately west of the tenement is the Warrego Granite. Outcrop in the southern portion of the tenement is very sparse, while in the north outcropping quartzite ridges of the Tomkinson Creek Group are dominant.

The position of the unconformity is uncertain due to limited exposure and lack of a distinctive marker unit.

The majority of the dolerite / diorite intrusions present in the area occur in the Tomkinson Creek Group.

4. EXPLORATION UNDERTAKEN DURING THE PERIOD 5/4/93 TO 4/4/94

4.1 Previous Data Review

During the late 1970's and early to mid-1980's, a significant amount of work was completed by CRA Exploration Limited and the Central Electricity Generating Board (Exploration) Australia, in the search for uranium mineralisation related the unconformable contact between the Warramunga Group and overlying Tomkinson Creek Group, in the northern section of the Tennant Creek mineral field. This work included an aeromagnetic and radiometric survey over the region, flown by CRA, and evaluated by both companies. No record of follow-up work in the area covered by EL 7526 is known.

In 1989, Poseidon Gold Limited conducted a regional stream sediment sampling programme along the above mentioned unconformity, in (expired) EL's 4895 and 4896.

4.2 Ground Magnetics

In September 1991, a detailed ground magnetic survey was conducted over the eastern extension of the dolerite unit which contains sheeted quartz veins hosting Au mineralisation at the Last Hope Mine. The area of survey, known as "Lion Prospect", occurs on the south eastern portion of the relinquished blocks, (refer Figure 2).

Plan 1 displays the total magnetic field contours generated from the survey.

4.3 Soil Sampling

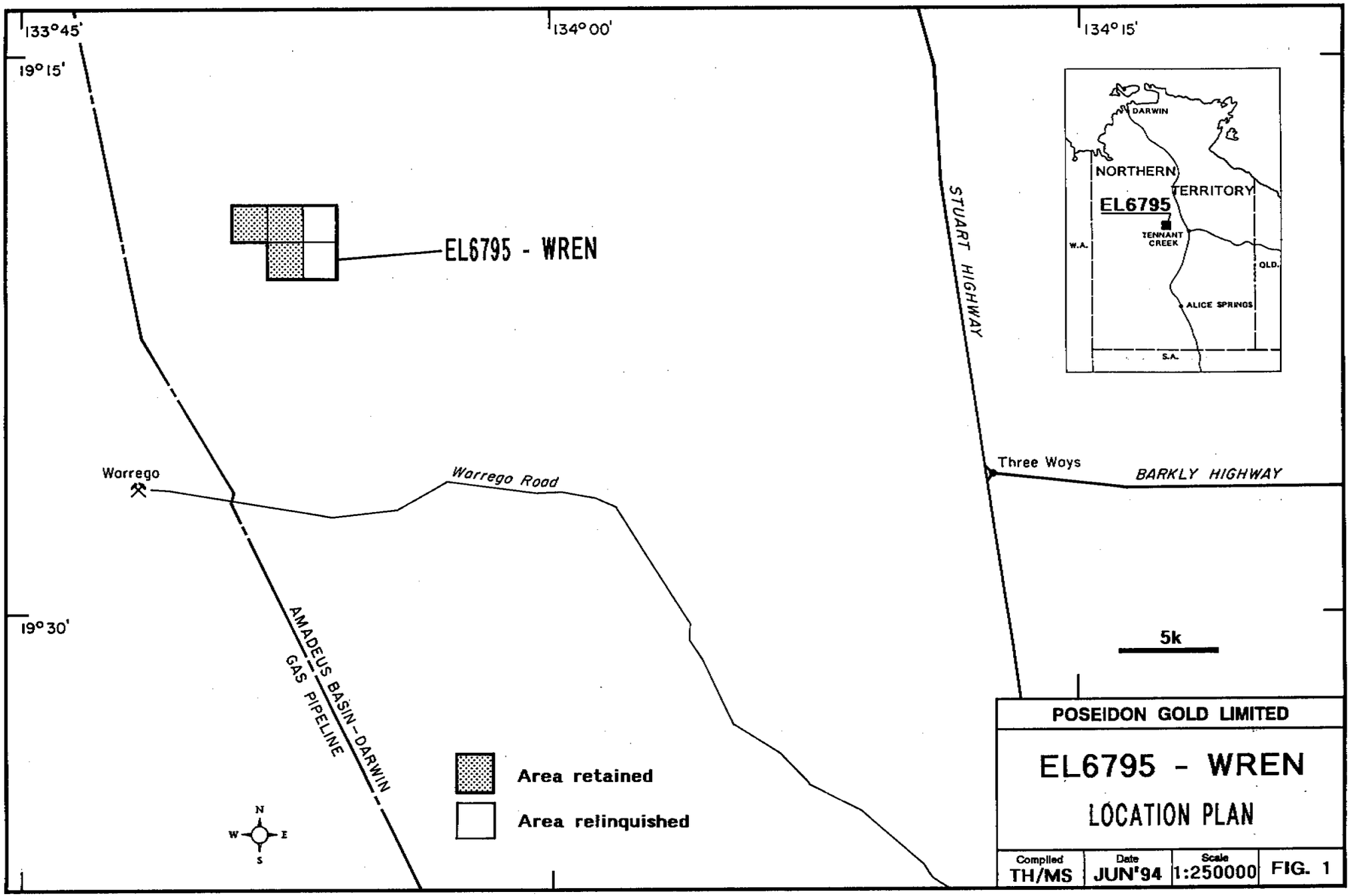
A soil sampling programme was undertaken in 1991 with a total of 488 samples were collected on 200 metre spaced lines at 100 metre spaced centres. The samples were sieved to -1 mm in the field and later reduced to -180 um at the Nobles Nob sample preparation area. The samples were despatched to Classic Labs (now Amdel) and assayed for Au, Cu, Bi, Ag, As, Cd, Co, Cr, Fe, Mn, Ni, Zn, Pb, Ca, Mg and P.

A limited number of samples returned Au assays above detection with the peaked at 2ppb.

The assay results for the samples collected on the relinquished blocks are contained in Appendix 1.

5. CONCLUSIONS

Exploration of the relinquished blocks of EL 6795 has been undertaken by PosGold using a combination of geophysics and geochemistry. This work has down-graded the potential for significant economic mineralisation and no further work is warranted.


133°45'
134°00'
134°15'
19°15'
19°30'
EL6795 - WREN
Worrego
Worrego Road
STUART HIGHWAY
Three Ways
BARKLY HIGHWAY
AMADEUS BASIN-DARWIN GAS PIPELINE
Area retained
Area relinquished
5k
N
S
E
W
DARWIN
NORTHERN TERRITORY
EL6795
TENNANT CREEK
W.A.
QLD.
ALICE SPRINGS
S.A.
POSEIDON GOLD LIMITED
EL6795 - WREN
LOCATION PLAN
Compiled TH/MS
Date JUN'94
Scale 1:250000
FIG. 1

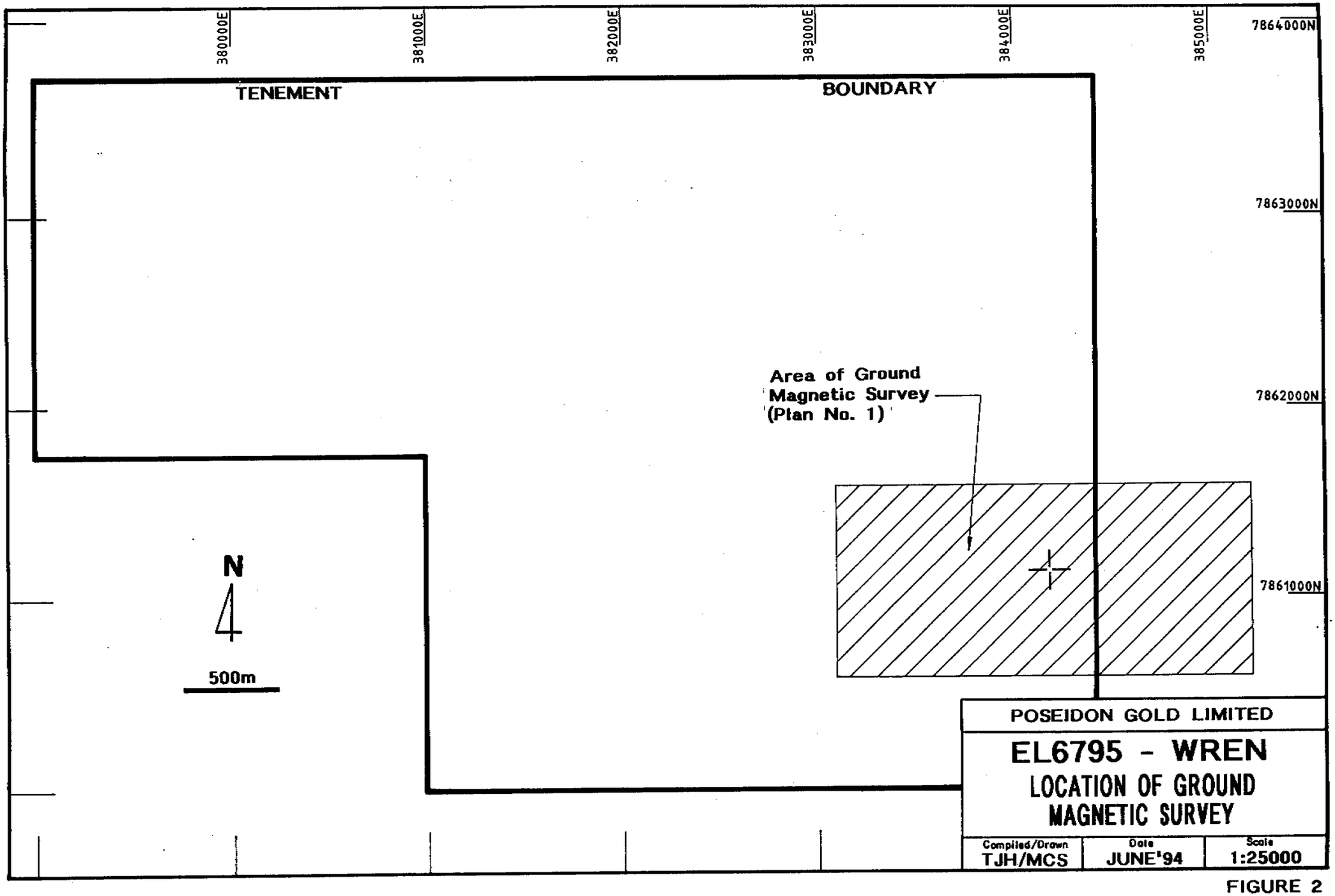

380000E
381000E
382000E
383000E
384000E
385000E
7864000N
7863000N
7862000N
7861000N
TENEMENT
BOUNDARY
Area of Ground
Magnetic Survey
(Plan No. 1)
N
500m
POSEIDON GOLD LIMITED
EL6795 - WREN
LOCATION OF GROUND
MAGNETIC SURVEY
Compiled/Drawn
TJH/MCS
Date
JUNE'94
Scale
1:25000

FIGURE 2

APPENDIX ONE

EL 6795 - WREN
SOIL SAMPLING DATA

EL 6795 - WREN
SOIL SAMPLING DATA

E	N		SNN	AU	CU	BI	AG	CD	AS	CO	CR
				(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
7200	10600	B	8202	<1	6	<3	<0.1	<0.1	3	6	20
7200	10500	B	8203	<1	15	<3	<0.1	<0.1	3	16	26
7200	10400	B	8204	<1	9	<3	<0.1	<0.1	6	10	28
7200	10300	B	8205	1	9	<3	<0.1	<0.1	2	14	24
7200	10200	B	8206	<1	9	<3	<0.1	<0.1	1	16	20
7200	10100	B	8207	2	9	<3	<0.1	<0.1	2	14	20
7400	9000	B	8219	<1	2	<3	<0.1	<0.1	<1	6	10
7400	9100	B	8220	<1	3	<3	<0.1	<0.1	<1	8	10
7400	9200	B	8221	<1	3	<3	<0.1	<0.1	<1	8	10
7400	9300	B	8222	<1	3	<3	<0.1	<0.1	1	6	10
7400	9400	B	8223	<1	3	<3	<0.1	<0.1	1	8	12
7400	9500	B	8224	<1	<1	<3	<0.1	<0.1	<1	4	10
7400	9600	B	8225	<1	2	<3	<0.1	<0.1	1	4	12
7400	9700	B	8226	<1	2	<3	<0.1	<0.1	<1	4	12
7400	9800	B	8227	<1	<1	<3	<0.1	<0.1	<1	2	8
7400	9900	B	8228	<1	<1	<3	<0.1	<0.1	<1	4	8
7400	10000	B	8229	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
7400	10100	B	8230	<1	11	<3	<0.1	<0.1	6	18	22
7400	10200	B	8231	1	12	4	<0.1	<0.1	3	8	20
7400	10300	B	8232	<1	6	4	<0.1	<0.1	2	12	18
7400	10400	B	8233	1	9	<3	<0.1	<0.1	2	14	18
7400	10500	B	8234	<1	2	<3	<0.1	<0.1	<1	4	10
7400	10600	B	8235	<1	6	<3	<0.1	<0.1	<1	6	10
7600	10600	B	8236	1	2	<3	<0.1	<0.1	1	2	8
7600	10500	B	8237	<1	5	<3	<0.1	<0.1	1	4	12
7600	10400	B	8238	1	5	<3	<0.1	<0.1	1	8	22
7600	10300	B	8239	1	5	<3	<0.1	<0.1	2	8	28
7600	10200	B	8240	<1	5	4	<0.1	<0.1	1	6	14
7600	10100	B	8241	2	5	<3	<0.1	<0.1	2	10	14
7600	10000	B	8242	<1	2	<3	<0.1	<0.1	<1	4	10
7600	9900	B	8243	<1	<1	<3	<0.1	<0.1	<1	<2	6
7600	9800	B	8244	<1	<1	<3	<0.1	<0.1	1	4	14
7600	9700	B	8245	<1	1	<3	<0.1	<0.1	<1	2	14
7600	9600	B	8246	<1	5	<3	<0.1	<0.1	<1	4	16
7600	9500	B	8247	1	4	<3	<0.1	<0.1	1	6	14
7600	9400	B	8248	<1	4	<3	<0.1	<0.1	1	6	14
7600	9300	B	2849	<1	5	<3	<0.1	<0.1	1	8	14
7600	9200	B	2850	<1	4	<3	<0.1	<0.1	<1	6	14
7600	9100	B	8251	<1	4	<3	<0.1	<0.1	1	6	14
7600	9000	B	8252	<1	3	<3	<0.1	<0.1	<1	6	14
7800	9000	B	8253	1	3	<3	<0.1	<0.1	<1	6	14
7800	9100	B	8254	<1	3	<3	<0.1	<0.1	<1	6	16
7800	9200	B	8255	<1	2	<3	<0.1	<0.1	1	6	14
7800	9300	B	8256	<1	2	<3	<0.1	<0.1	<1	6	14
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7800	9500	B	8258	<1	4	<3	<0.1	<0.1	<1	8	14
7800	9600	B	8259	<1	2	<3	<0.1	<0.1	<1	4	14
7800	9700	B	8260	<1	4	<3	<0.1	<0.1	<1	6	14
7800	9800	B	8261	<1	3	<3	<0.1	<0.1	1	6	12
7800	9900	B	8262	<1	4	<3	<0.1	<0.1	1	4	14
7800	10000	B	8263	<1	3	<3	<0.1	<0.1	1	4	10
7800	10100	B	8264	<1	5	<3	<0.1	<0.1	1	6	14
7800	10200	B	8265	<1	6	<3	<0.1	<0.1	1	12	18
7800	10300	B	8266	<1	6	<3	<0.1	<0.1	1	10	20

EL 6795 - WREN
SOIL SAMPLING DATA

E	N		SNN	AU	CU	BI	AG	CD	AS	CO	CR
				(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
7800	10500	B	8268	<1	3	<3	<0.1	<0.1	<1	4	12
7800	10600	B	8269	<1	1	<3	<0.1	<0.1	<1	<2	8
8000	10600	B	8270	<1	1	<3	<0.1	<0.1	<1	2	10
8000	10500	B	8271	<1	5	<3	<0.1	<0.1	<1	10	14
8000	10400	B	8272	<1	3	<3	<0.1	<0.1	<1	4	12
8000	10300	B	8273	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
8000	10200	B	8274	1	6	<3	<0.1	<0.1	1	10	18
8000	10100	B	8275	<1	2	<3	<0.1	<0.1	<1	6	10
8000	10000	B	8276	<1	2	<3	<0.1	<0.1	<1	4	10
8000	9900	B	8277	<1	<1	<3	<0.1	<0.1	1	4	10
8000	9800	B	8278	<1	3	<3	<0.1	<0.1	<1	4	8
8000	9700	B	8279	<1	3	<3	<0.1	<0.1	<1	6	14
8000	9600	B	8280	<1	4	<3	<0.1	<0.1	<1	6	16
8000	9500	B	8281	<1	5	<3	<0.1	<0.1	1	6	14
8000	9400	B	8282	<1	3	<3	<0.1	<0.1	1	4	20
8000	9300	B	8283	<1	3	<3	<0.1	<0.1	1	8	16
8000	9200	B	8284	<1	2	<3	<0.1	<0.1	<1	2	14
8000	9100	B	8285	<1	3	<3	<0.1	<0.1	10	6	26
8000	9000	B	8286	<1	3	<3	<0.1	<0.1	1	4	16
8200	9000	B	8287	<1	<1	<3	<0.1	<0.1	1	2	14
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8200	9300	B	8290	<1	7	<3	<0.1	<0.1	3	14	16
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8200	9800	B	8295	<1	4	<3	<0.1	<0.1	4	4	18
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8200	10200	B	8299	<1	6	<3	<0.1	<0.1	1	10	18
8200	10300	B	8300	<1	5	<3	<0.1	<0.1	<1	8	24
8200	10400	B	8301	<1	7	<3	<0.1	<0.1	2	6	22
8200	10500	B	8302	<1	6	<3	<0.1	<0.1	2	8	16
8200	10600	B	8303	2	2	<3	<0.1	<0.1	<1	4	12
8400	10600	B	8304	<1	3	<3	<0.1	<0.1	<1	2	12
8400	10500	B	8305	<1	5	<3	<0.1	<0.1	2	4	14
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8400	10200	B	8308	2	3	<3	<0.1	<0.1	2	8	16
8400	10100	B	8309	<1	6	<3	<0.1	<0.1	1	10	16
8400	10000	B	8310	<1	2	<3	<0.1	<0.1	1	4	12
8400	9900	B	8311	<1	1	<3	<0.1	<0.1	1	4	12
8400	9800	B	8312	<1	3	<3	<0.1	<0.1	1	6	14
8400	9700	B	8313	<1	3	<3	<0.1	<0.1	1	6	14
8400	9600	B	8314	1	5	<3	<0.1	<0.1	1	6	12
8400	9500	B	8315	<1	<1	<3	<0.1	<0.1	<1	<2	<2
8400	9400	B	8316	<1	2	<3	<0.1	<0.1	1	2	12
8400	9300	B	8317	1	3	<3	<0.1	<0.1	2	6	14
8400	9200	B	8318	<1	4	<3	<0.1	<0.1	1	6	14
8400	9100	B	8319	<1	7	<3	<0.1	<0.1	2	12	18
8400	9000	B	8320	1	5	<3	<0.1	<0.1	1	8	16
8600	9000	B	8321	<1	2	<3	<0.1	<0.1	1	4	14

EL 6795 - WREN
SOIL SAMPLING DATA

E	N		SNN	AU	CU	BI	AG	CD	AS	CO	CR
				(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
8600	9100	B	8322	<1	3	<3	<0.1	<0.1	6	6	14
8600	9200	B	8323	<1	11	<3	<0.1	<0.1	3	24	22
8600	9300	B	8324	<1	5	<3	<0.1	<0.1	1	6	12
8600	9400	B	8325	<1	5	<3	<0.1	<0.1	1	2	10
8600	9500	B	8326	1	4	<3	<0.1	<0.1	<1	4	10
8600	9600	B	8327	2	2	<3	<0.1	<0.1	1	4	12
8600	9700	B	8328	<1	4	<3	<0.1	<0.1	1	4	14
8600	9800	B	8329	<1	3	<3	<0.1	<0.1	1	6	14
8600	9900	B	8330	<1	2	<3	<0.1	<0.1	1	4	14
8600	10000	B	8331	<1	2	<3	<0.1	<0.1	1	4	14
8600	10100	B	8332	<1	8	<3	<0.1	<0.1	3	12	18
8600	10200	B	8333	<1	4	<3	<0.1	<0.1	1	8	18
8600	10300	B	8334	<1	5	<3	<0.1	<0.1	1	10	18
8600	10400	B	8335	<1	5	<3	<0.1	<0.1	<1	8	14
8600	10500	B	8336	<1	3	<3	<0.1	<0.1	1	6	14
8600	10600	B	8337	<1	2	<3	<0.1	<0.1	<1	2	12
8800	10600	B	8338	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
8800	10500	B	8339	<1	2	<3	<0.1	<0.1	<1	4	12
8800	10400	B	8340	<1	2	<3	<0.1	<0.1	<1	6	10
8800	10300	B	8341	1	2	<3	<0.1	<0.1	<1	18	16
8800	10200	B	8342	1	3	<3	<0.1	<0.1	<1	8	10
8800	10100	B	8343	<1	3	<3	<0.1	<0.1	1	10	10
8800	10000	B	8344	2	<1	<3	<0.1	<0.1	<1	4	8
8800	9900	B	8345	<1	4	<3	<0.1	<0.1	2	8	10
8800	9800	B	8346	<1	3	<3	<0.1	<0.1	1	6	8
8800	9700	B	8347	1	2	<3	<0.1	<0.1	<1	4	8
8800	9600	B	8348	<1	4	<3	<0.1	<0.1	<1	8	8
8800	9500	B	8349	<1	1	<3	<0.1	<0.1	<1	2	6
8800	9400	B	8350	<1	2	<3	<0.1	<0.1	2	2	6
8800	9300	B	8351	<1	4	<3	<0.1	<0.1	<1	2	6
8800	9200	B	8352	<1	3	<3	<0.1	<0.1	<1	4	6
8800	9100	B	8353	<1	9	<3	<0.1	<0.1	<1	2	6
8800	9000	B	8354	<1	5	<3	<0.1	<0.1	<1	6	8
9000	9000	B	8355	<1	5	<3	<0.1	<0.1	1	4	8
9000	9100	B	8356	<1	4	<3	<0.1	<0.1	1	8	8
9000	9200	B	8357	<1	11	<3	<0.1	<0.1	1	8	10
9000	9300	B	8358	<1	3	<3	<0.1	<0.1	1	2	10
9000	9400	B	8359	<1	3	<3	<0.1	<0.1	<1	4	8
9000	9500	B	8360	<1	3	<3	<0.1	<0.1	<1	4	8
9000	9600	B	8361	2	4	<3	<0.1	<0.1	1	8	10

	SNN	FE	MN	NI	ZN	PB	CA	MG	P
		(%)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
B	8202	2.3	145	3	12	6	600	560	90
B	8203	3.05	380	6	19	8	1240	870	115
B	8204	2.7	230	5	14	8	1000	830	100
B	8205	2.7	360	8	14	8	1080	1180	80
B	8206	2.25	450	6	13	8	720	790	95
B	8207	2.1	360	6	12	6	720	780	100
B	8219	0.91	210	2	6	<3	530	95	60
B	8220	1.04	210	2	5	<3	620	115	60
B	8221	1.06	280	3	5	4	580	110	65
B	8222	1.03	320	3	7	4	510	90	85
B	8223	1.33	210	3	5	4	500	115	70
B	8224	1.04	175	1	4	<3	260	145	70
B	8225	1.41	175	2	4	4	390	155	70
B	8226	1.33	90	2	4	4	380	165	65
B	8227	0.78	65	1	3	<3	270	70	45
B	8228	0.62	110	1	3	<3	240	65	55
B	8229	I.S.	I.S.	I.S.	I.S.	I.S	I.S.	I.S.	I.S.
B	8230	1.55	280	9	26	8	630	760	80
B	8231	1.77	165	5	12	8	3050	1360	45
B	8232	1.66	310	5	12	6	1840	1180	75
B	8233	2.45	370	3	16	6	1360	840	85
B	8234	1.05	75	1	6	4	530	175	60
B	8235	1.08	80	3	5	4	720	450	55
B	8236	0.72	80	1	8	4	730	115	60
B	8237	1.31	80	2	8	4	580	360	75
B	8238	2.2	210	2	14	6	840	1180	90
B	8239	1.9	230	3	10	6	930	840	75
B	8240	1.13	95	3	7	4	3450	1480	60
B	8241	1.74	200	6	8	4	1060	1060	80
B	8242	0.78	135	2	6	<3	570	105	80
B	8243	0.53	70	<1	3	<3	185	50	35
B	8244	1.1	65	3	6	4	220	90	65
B	8245	1.13	40	2	5	<3	210	100	60
B	8246	1.29	165	5	8	10	450	170	70
B	8247	1.34	230	4	8	4	630	175	75
B	8248	1.25	270	4	12	4	640	180	80
B	2849	1.45	240	4	13	6	570	210	85
B	2850	1.41	220	4	9	4	670	250	85
B	8251	1.42	170	3	7	4	430	185	70
B	8252	1.43	140	3	9	<3	320	230	75
B	8253	1.44	115	4	13	<3	780	570	100
B	8254	1.59	110	4	15	4	660	610	75
B	8255	1.54	155	3	9	4	360	280	70
B	8256	1.43	120	3	7	4	340	240	55
B	8257	1.45	190	4	9	4	730	350	65
B	8258	1.48	280	4	8	4	690	220	80
B	8259	1.37	125	3	7	4	400	180	60
B	8260	1.36	270	4	10	4	840	320	70
B	8261	1.11	175	3	6	<3	660	185	65
B	8262	1.18	140	4	9	4	660	330	75
B	8263	0.74	90	2	9	4	660	130	60
B	8264	1.34	200	4	12	6	900	620	85
B	8265	1.92	290	4	10	6	640	520	110
B	8266	1.93	290	3	10	6	730	610	95

	SNN	FE	MN	NI	ZN	PB	CA	MG	P
		(%)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
B	8268	1.17	90	2	7	4	680	290	55
B	8269	0.72	70	<1	3	<3	250	60	45
B	8270	0.82	175	<1	4	4	330	55	45
B	8271	1.58	270	2	7	4	770	260	80
B	8272	1.43	155	1	9	4	610	220	80
B	8273	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
B	8274	1.57	270	4	11	6	1060	820	65
B	8275	1.15	160	2	5	4	400	175	55
B	8276	0.92	110	2	5	4	350	160	45
B	8277	0.82	80	2	4	<3	110	55	45
B	8278	0.85	125	3	6	<3	1000	300	60
B	8279	1.39	125	4	10	4	840	600	85
B	8280	1.38	125	6	11	4	830	600	75
B	8281	1.43	130	5	9	6	1580	780	85
B	8282	2.2	90	6	16	6	230	800	90
B	8283	1.5	170	3	9	4	400	350	60
B	8284	1.18	45	1	5	4	105	75	55
B	8285	3.15	165	3	12	6	270	195	135
B	8286	1.5	200	3	5	4	330	155	65
B	8287	1.27	65	3	6	4	240	135	65
B	8288	1.29	130	2	10	6	170	85	90
B	8289	1.43	110	2	8	4	250	115	90
B	8290	2.7	165	4	14	4	450	400	85
B	8291	0.91	150	2	5	4	200	100	70
B	8292	1.36	40	3	6	4	165	85	65
B	8293	1.35	95	2	5	4	190	120	60
B	8294	1.49	85	2	6	4	190	100	65
B	8295	2	95	5	7	4	420	240	70
B	8296	1.2	50	3	6	<3	370	420	50
B	8297	1.01	95	3	7	<3	170	150	65
B	8298	1.66	230	4	8	4	600	350	70
B	8299	2.05	185	6	12	4	1720	1260	95
B	8300	1.85	195	4	9	4	500	730	65
B	8301	2.1	150	3	20	6	590	910	105
B	8302	2.7	195	4	24	8	990	1060	230
B	8303	1.28	85	3	9	<3	300	165	60
B	8304	1.08	200	2	7	4	440	125	75
B	8305	1.42	100	3	17	4	570	250	80
B	8306	1.6	140	4	14	4	940	720	105
B	8307	1.92	150	3	8	4	600	530	65
B	8308	2.15	190	4	7	4	420	370	65
B	8309	2.05	370	5	13	6	1100	420	75
B	8310	1.36	135	3	6	<3	175	130	70
B	8311	1.4	140	5	8	<3	390	145	75
B	8312	1.63	230	3	6	4	640	120	55
B	8313	1.78	260	3	7	4	570	155	70
B	8314	2.25	185	4	8	4	260	105	80
B	8315	0.07	10	<1	<1	<3	15	<10	<5
B	8316	1.2	65	2	4	6	340	115	45
B	8317	1.85	120	2	10	4	410	200	65
B	8318	1.78	125	3	8	4	430	240	65
B	8319	1.99	220	5	19	6	1020	350	75
B	8320	1.62	200	3	12	4	760	175	80
B	8321	1.48	200	2	5	<3	330	120	65

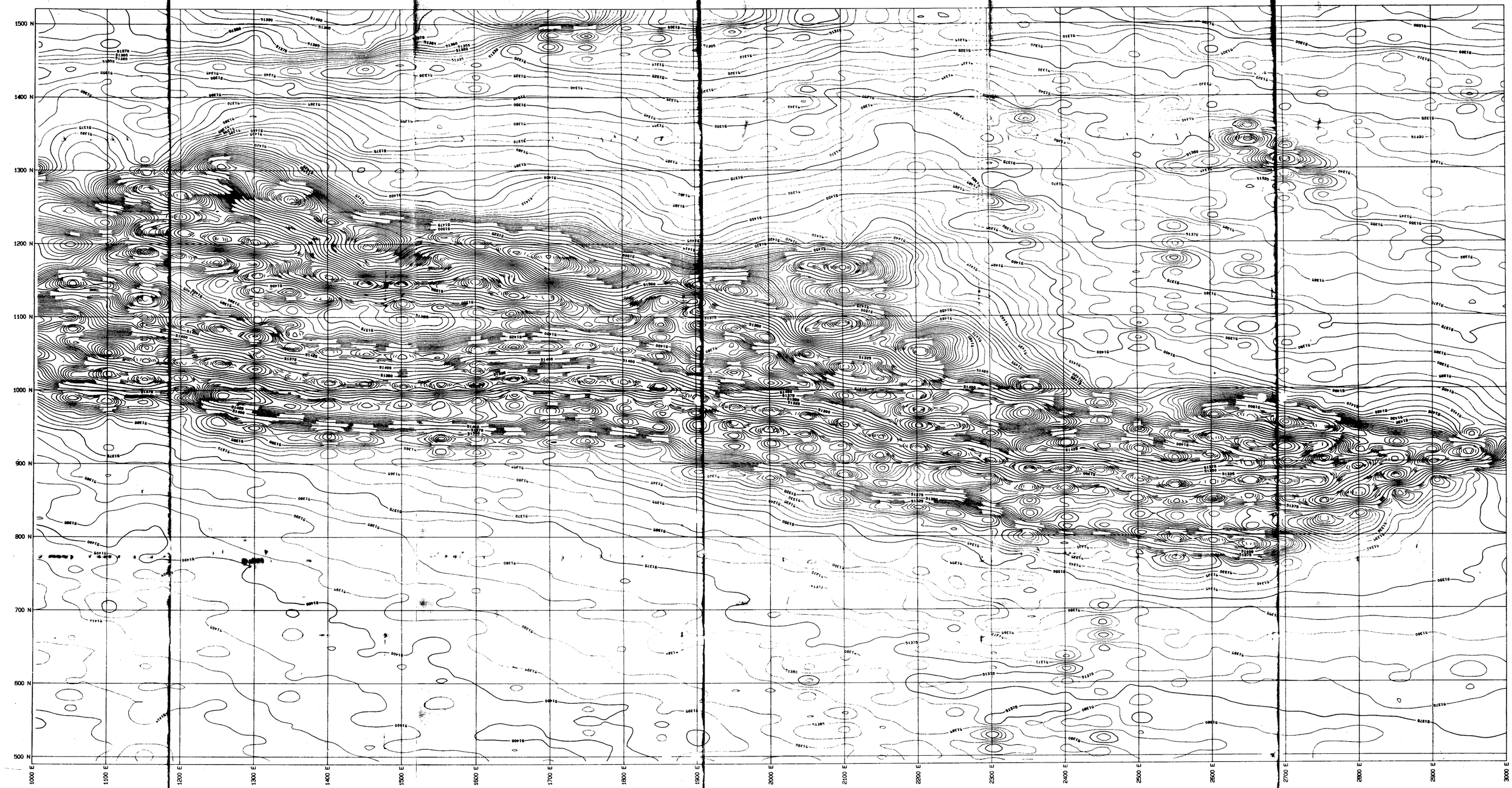
	SNN	FE	MN	NI	ZN	PB	CA	MG	P
		(%)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
B	8322	1.52	65	2	5	4	200	95	65
B	8323	2.95	240	6	13	4	470	540	70
B	8324	1.66	120	2	6	4	360	190	60
B	8325	0.94	75	1	4	<3	320	110	50
B	8326	1	160	1	5	4	310	95	50
B	8327	1.37	145	2	8	4	280	110	55
B	8328	1.96	170	3	11	4	290	115	80
B	8329	1.81	200	3	7	4	610	150	60
B	8330	1.58	155	3	8	4	480	125	55
B	8331	1.81	185	3	5	4	290	125	50
B	8332	2.25	350	9	22	6	780	470	80
B	8333	2.15	185	4	11	4	440	290	65
B	8334	2.25	240	4	9	4	670	340	70
B	8335	2	210	4	18	4	1460	660	90
B	8336	1.86	130	3	9	4	480	380	90
B	8337	1.39	300	2	8	4	400	125	75
B	8338	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
B	8339	1.34	105	1	6	4	290	115	50
B	8340	1.41	175	1	5	4	410	165	45
B	8341	1.83	340	5	8	4	990	490	50
B	8342	1.43	210	1	4	4	890	300	55
B	8343	1.55	220	3	6	6	700	280	45
B	8344	1.07	170	<1	3	4	240	55	35
B	8345	1.24	300	1	11	6	330	85	60
B	8346	1.28	240	2	6	4	510	100	55
B	8347	1.26	135	1	4	4	310	60	55
B	8348	1.33	310	2	6	4	860	115	75
B	8349	0.63	175	<1	3	<3	280	45	40
B	8350	0.67	125	<1	3	<3	330	45	35
B	8351	0.69	130	<1	3	<3	180	40	40
B	8352	0.87	180	<1	3	<3	175	40	35
B	8353	0.77	120	<1	2	<3	250	50	30
B	8354	0.93	160	<1	3	<3	280	65	45
B	8355	0.97	155	1	5	4	580	90	40
B	8356	1.08	170	1	5	4	760	80	35
B	8357	1.6	200	1	8	4	490	120	55
B	8358	0.82	145	1	8	4	350	60	45
B	8359	0.93	145	1	6	4	530	75	50
B	8360	1.07	170	1	5	4	590	80	50
B	8361	1.51	290	3	6	4	1320	210	80

APPENDIX TWO

BIBLIOGRAPHIC DATA SHEET

BIBLIOGRAPHIC DATA-SHEET

REPORT NUMBER	13377
REPORT NAME	RELINQUISHMENT REPORT FOR EXPLORATION LICENCE 6795 FOR THE PERIOD 5/4/93 to 4/4/94, TENNANT CREEK DISTRICT, NORTHERN TERRITORY, WREN PROSPECT
PROSPECT NAME(S)	EL 6795 WREN LION PROSPECT
OWNER/JV PARTNERS	POSEIDON GOLD LIMITED
KEYWORDS	EL 6795 WREN LION PROSPECT GROUND MAGNETICS GEOCHEMISTRY LAST HOPE MINE
COMMODITIES	GOLD
TECTONIC UNIT	TOMKINSON CREEK GROUP
1:250,000 MAP SHEET	TENNANT CREEK SE 53-14
1:100,000 MAP SHEET	SHORT RANGE 52/1



DATA COLLECTION

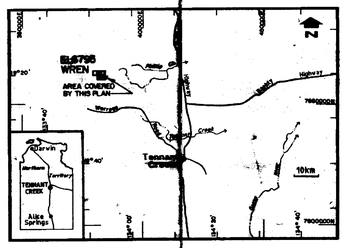
Operator : Dave Llewellyn

Magnetometer :	GSM-19 fast sampling, sensor height was 230 cm. and sensor mounted on backpack.
Line Direction :	0 and 180 degrees
Line Spacing :	50 meters
Station Spacing :	1 meter
Base Line Location :	1000N
Grid Interval :	10 meters
Filters :	Decorrugation
:	Butterworth (25 meters)
Contour Interval :	Green-5nT/Black-25nT

N

0 40 80 120 M

SCALE 1:2000



PLAN NO. 1

POSEIDON GOLD LTD

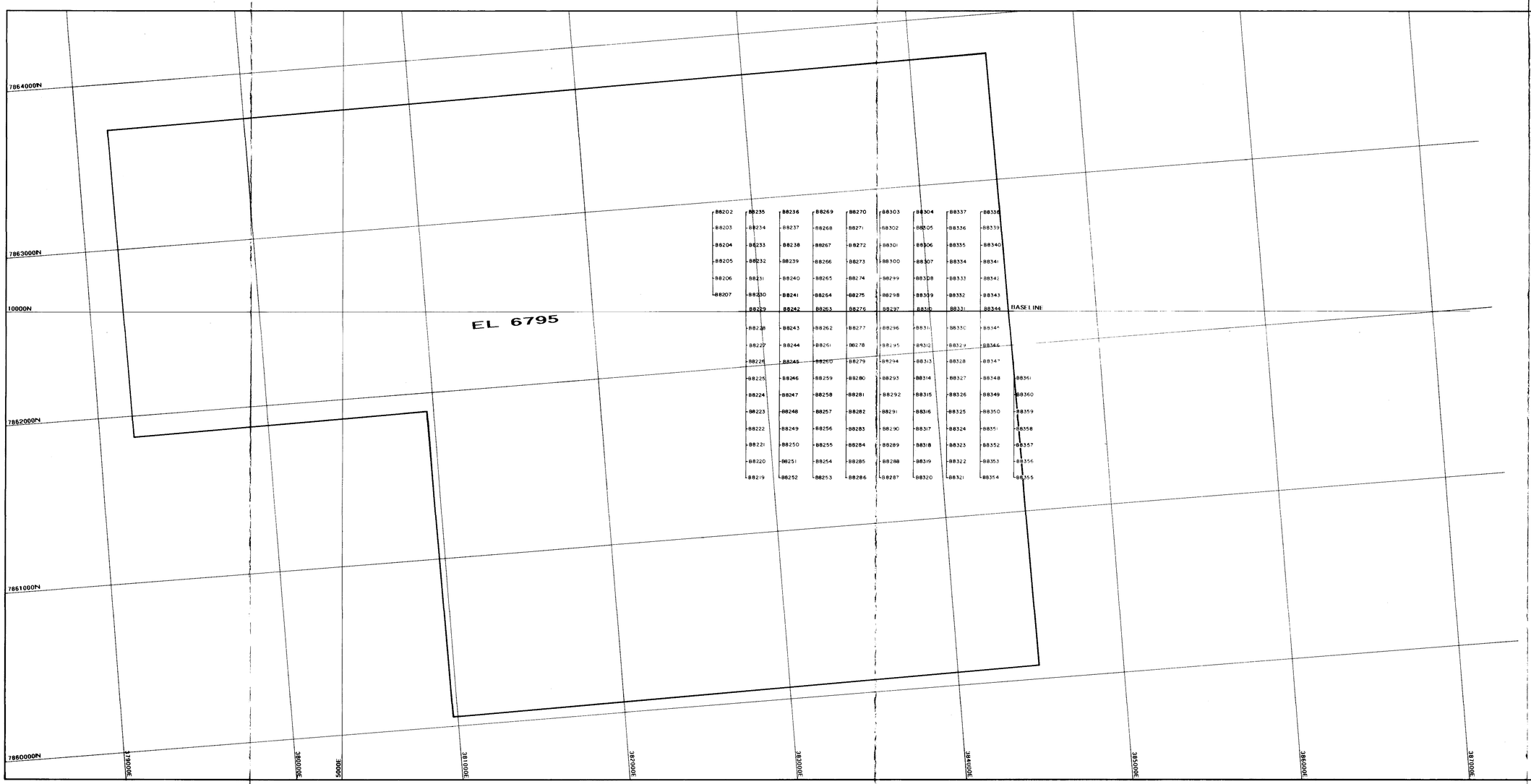
GROUND MAGNETICS SURVEY

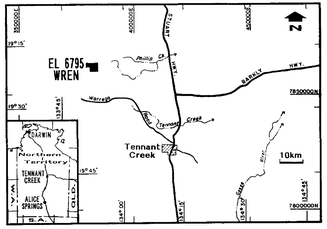
LION PROSPECT

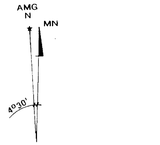
EL 6795 - WREN
TOTAL MAGNETIC FIELD CONTOUR MAP

DL/TM

Tennant Creek Library: 94086/20/0251







0 0.2 0.4 0.6 0.8 1 K

SCALE 1:10 000

POSEIDON GOLD LIMITED

EL 6795 – WREN

SOIL SAMPLE LOCATIONS

COMPILED: T. J. Hunter	DATE: June '94	PLAN NO. 2
DRAWN: M Sarangay	SCALE: 1:10 000	

Tennant Creek Library: 94066/28/0251