Open File Envelope No. 8464

EL 1723

[NORTH OF] MOUNT BARKER

PROGRESS AND FINAL REPORTS TO LICENCE SURRENDER FOR THE PERIOD 21/5/1991 TO 9/6/1992

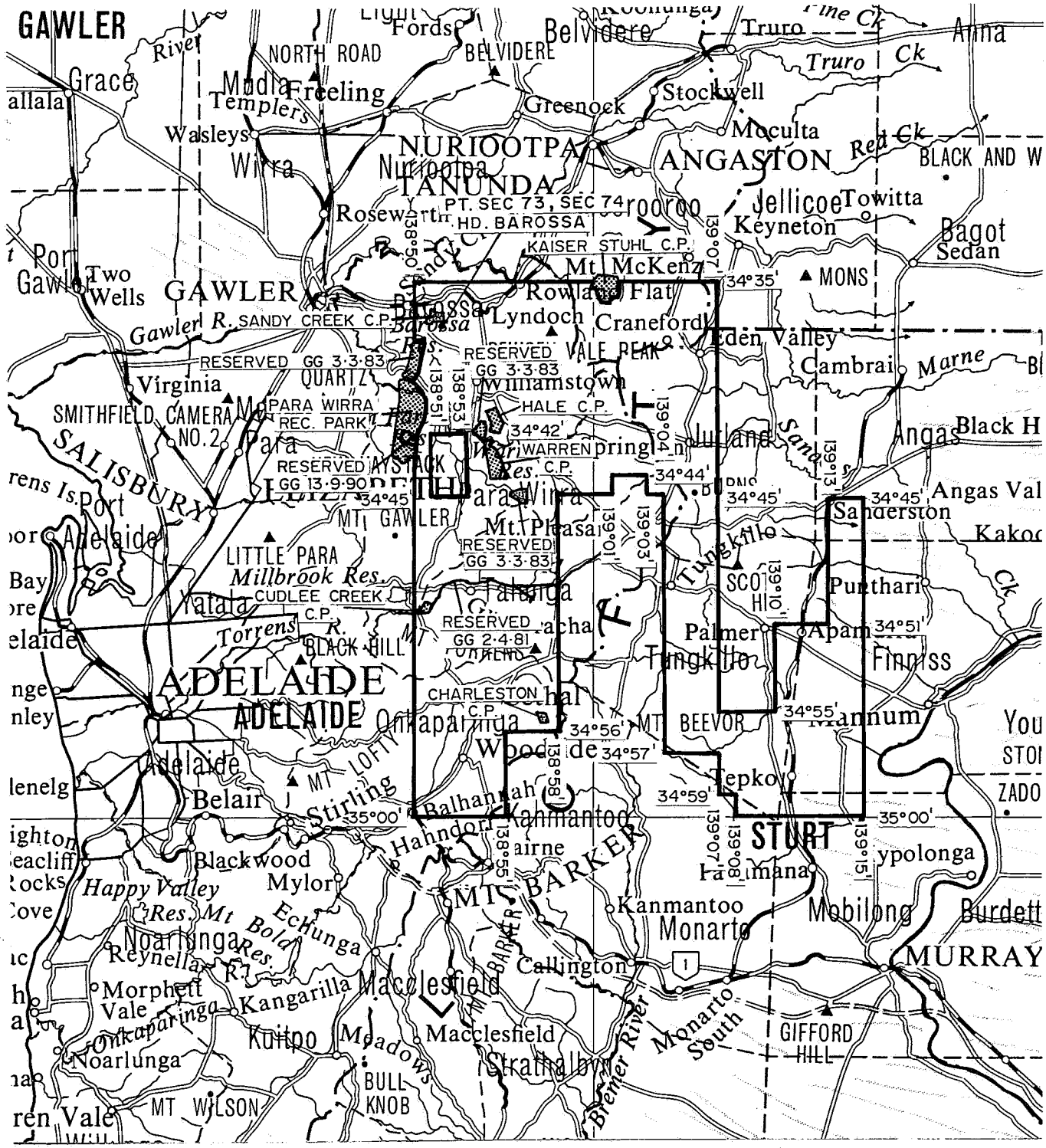
Submitted by
Poseidon Exploration Ltd
1992

Enquiries: Customer Services Branch
Minerals and Energy Resources
7th Floor
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000
Facsimile: (08) 8204 1880

Government of South Australia
Primary Industries and Resources SA

SCHEDULE A



SCALE 1:500,000

KILOMETRES 10 0 10 20 30 40 50 KILOMETRES

APPLICANT: POSEIDON EXPLORATION LTD

DM: 10/91 AREA: 1039 square kilometres (approx.)

1:250 000 PLANS: ADELAIDE

LOCALITY: MT BARKER AREA - approximately 35 km east of Adelaide

DATE GRANTED: 21·5·91 DATE EXPIRED: 20·5·92

EL No: 1723

ENVELOPE 8464

TENEMENT: EL 1723, Mount Barker

TENEMENT HOLDER: Poseidon Exploration Ltd

CONTENTS

END OF CONTENTS

8464

0003

POSEIDON EXPLORATION LIMITED

A.C.N. 006 306 690

A Member of the Normandy Poseidon Group

PRINCIPAL OFFICE:
100 Hutt Street
ADELAIDE, South Australia

Telephone : (08) 236 1700
Facsimile : (08) 232 0198

PO Box 7175, Hutt Street, SA 5000

BEA:pfl

16 September 1991

The Director General
Department of Mines and Energy
PO Box 151
EASTWOOD SA 5063

Dear Sir,

1723

Re: Exploration Licence (EL) 1712, Mt. Barker

Quarterly Report for the Period 21 May to 20 August, 1991

Work during the quarter has involved re-processing of Kanmantoo Trough aeromagnetic data originally generated by CRA. A geophysical interpretation of this data combined with assessment of historical and more recent ground exploration in the licence area is currently in progress to determine our work strategy. At present, a tenement wide BLEG and -80 mesh stream sediment sampling programme is planned for the next quarter. To date, potential sample sites have been plotted onto 1:50,000 topographic sheets producing an estimated 700+ samples for total coverage. This number may be reduced following interpretation of the aeromagnetic data and will also be dependent on gaining ground access. A title search of land holdings within the lease is currently in progress.

An expenditure statement is attached.

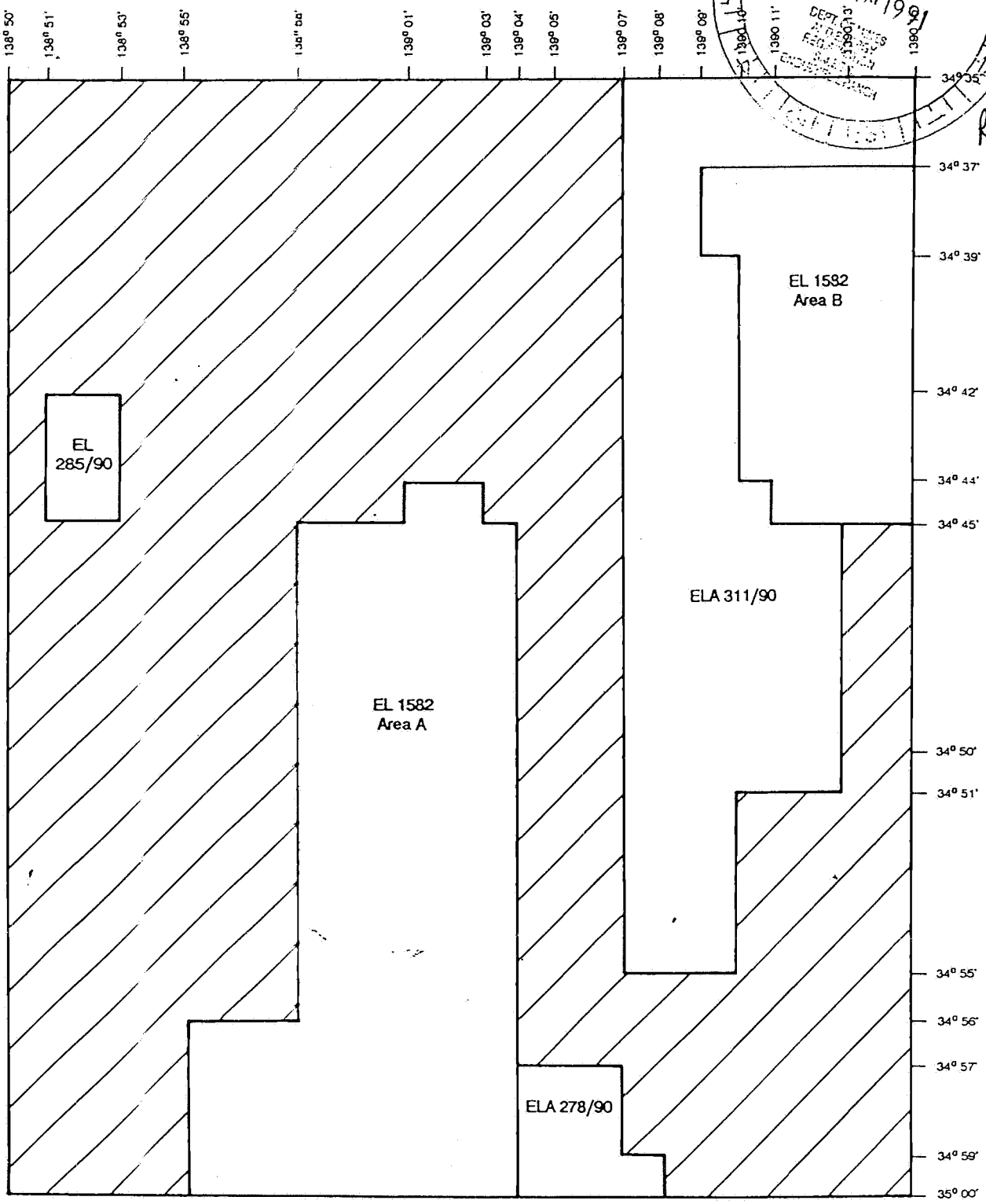
Yours sincerely,

Barbara E. Anderson
Geologist

EXPLORATION LICENCE ~~1712~~ 1723, MT.BARKER

Expenditure Statement for the Quarter Period Ending 20 August 1991

Salaries	$5,710.00
Library/data base	344.10
Sundry office costs	139.50
Overheads	929.04
TOTAL	$7,122.64



GROUND APPLIED FOR
Area: 1057 square kilometres (approx)

POSEIDON EXPLORATION LIMITED			
Application for Exploration Licence MT BARKER AREA (1:250,000 Adelaide Map Sheet)			
Compiled N. Green	Date 10.01.1991	Scale 1:250,000	Plan no. PEL 1

POSEIDON EXPLORATION LIMITED

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PRINCIPAL OFFICE:
100 Hutt Street
ADELAIDE, South Australia

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PO Box 7175, Hutt Street, SA 5000

0006

BEA:pfl

17 December 1991

The Director General
Department of Mines and Energy
PO Box 151
EASTWOOD SA 5063

Dear Sir,

RE: EXPLORATION LICENCE (EL) 1723, MT. BARKER
Quarterly Report for the Period Ending 20 November, 1991

During the quarter period 21 August to 20 November 1991, a total 186 5kg (-16 mesh) BLEG samples were collected as part of a tenement wide reconaissance stream sediment sampling programme. With the recent successful takeover of ACM Limited (and ACM Gold) Poseidon Exploration Limited are now able to combine this current work with ACM's recently completed regional stream sediment BLEG survey over their Kanmantoo Exploration Licences - ELs 1582, 1716 and 1730.

Samples are being dispatched to ACM's Perth based geochemical laboratory to help ensure consistency in sample analysis. Field work is currently ongoing. No analytical results have been returned to date.

An expenditure statement is attached. Please note that recent major expenditure (contractor and analytical costs) will go forward into the next quarterly expenditure report.

Yours faithfully,

Barbara E Anderson
Geologist

EXPLORATION LICENCE 1723, MT.BARKER

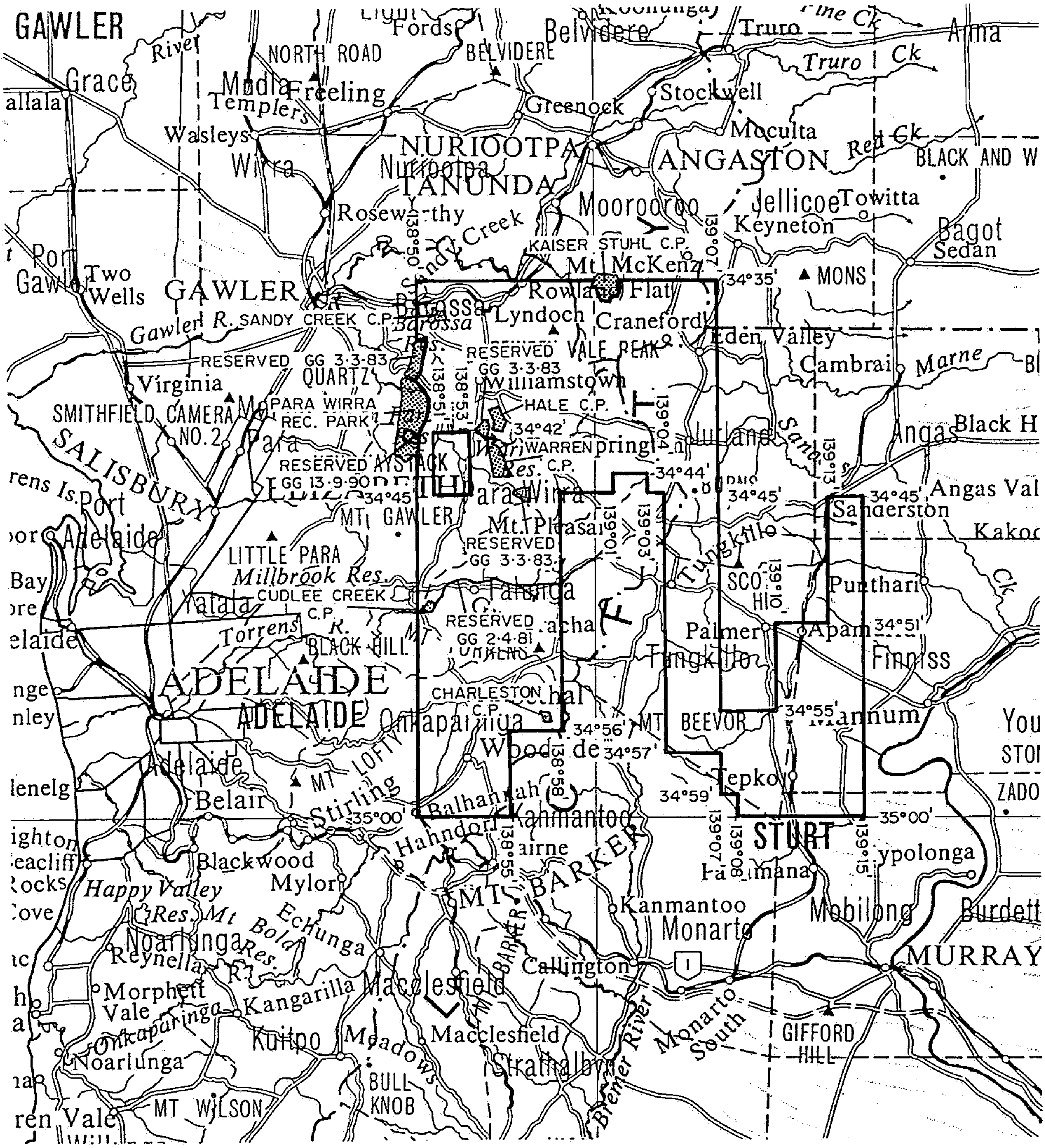
Expenditure Statement for the Quarter Period Ending 20 August 1991

November ?

Salaries	$1,800.00
Library/data base	184.50
Office costs	1,157.50
Field consumables	384.15
Overheads	529.00
TOTAL	$4,055.15

SCHEDULE A

0008



SCALE 1:500,000

KILOMETRES 10 0 10 20 30 40 50 KILOMETRES

APPLICANT: POSEIDON EXPLORATION LTD

DM: 10/91 AREA: 1039 square kilometres (approx.)

1:250 000 PLANS: ADELAIDE

LOCALITY: MT BARKER AREA - approximately 35 km east of Adelaide

NORMANDY
POSEIDON

POSEIDON EXPLORATION LIMITED

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PRINCIPAL OFFICE:
100 Hutt Street
ADELAIDE, South Australia

Telephone : (08) 236 1700
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PO Box 7175, Hutt Street, SA 5000

0009

BEA:pfl

20 February 1992

The Director General
Department of Mines and Energy
PO Box 151
EASTWOOD SA 5063

Dear Sir,

RE: EXPLORATION LICENCE (EL) 1723, MT. BARKER
Quarterly Report for the Period Ending 20 February, 1992

First pass regional stream sediment sampling of the Mt. Barker licence has been completed in all areas considered suitable for sampling and where access was made available. Samples were sent to the ACM Laboratory in Perth for processing, and the final analyses completed by the Rapley Wilkinson Laboratories. Samples were analysed as follows:

Au, Ag, Cu by Bulk Leach Extraction technique
Cu, Pb, Zn, Mo, As by AAS method.

High organic matter content in many of the Mt. Barker samples has raised questions on the suitability of BLEG sampled in the Adelaide Hills. Poorly developed drainage, particularly in cultivated pasture lands where silting and/or sluggish stagnant swampy stream beds have developed, is the main problem. An orientation geochemical survey is planned to assess the effectiveness of different sampling methods.

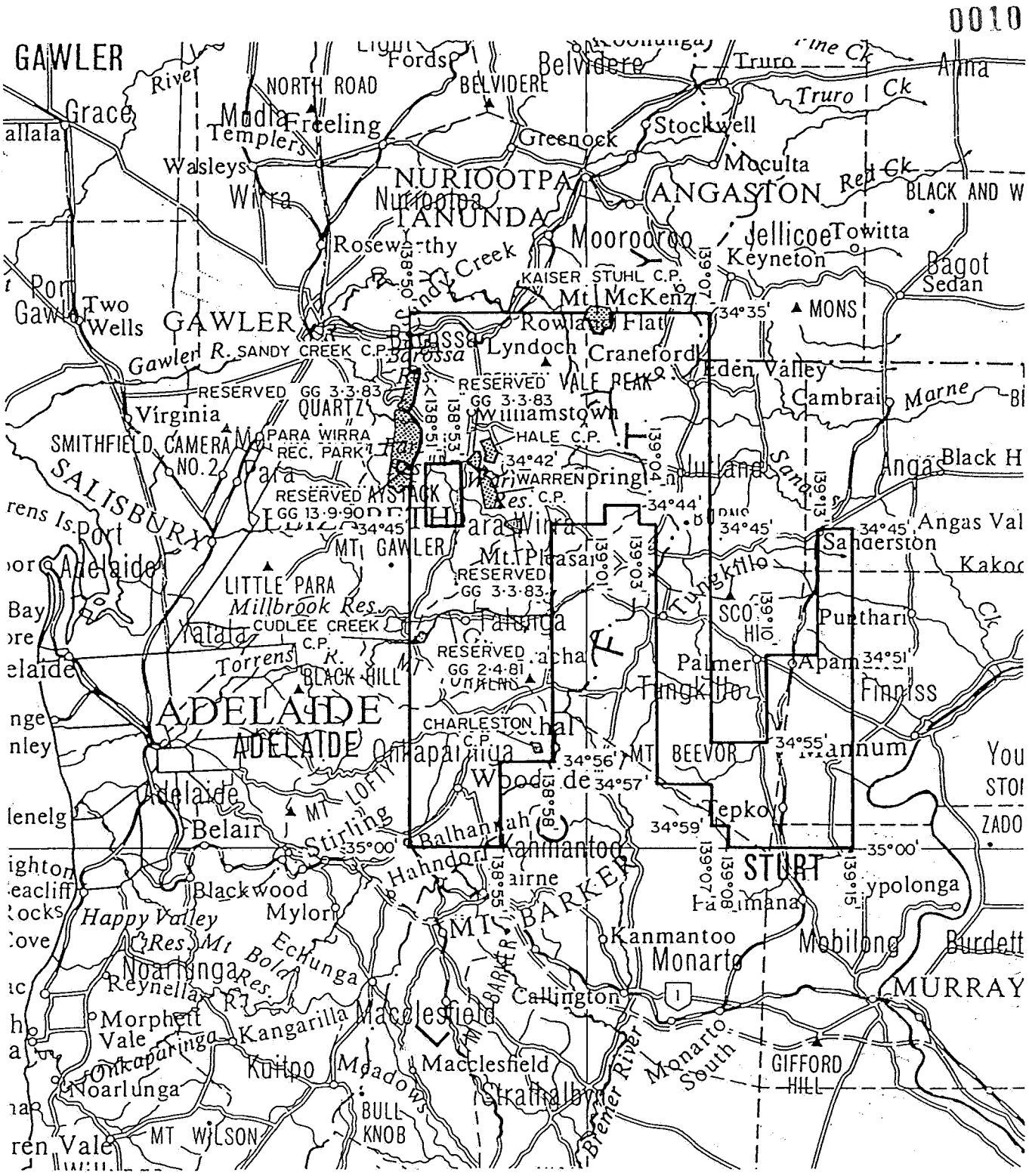
The Mt. Barker results are being assessed together with the ACM-Kanmantoo EL 1582 and Palmer EL 1716 results, and follow-up work is scheduled to begin in the current quarter. This will include repeat and infill BLEG and rock chip sampling plus soil traverses in selective localities.

An expenditure statement is attached.

Yours sincerely,

Barbara E. Anderson
Geologist

SCHEDULE A



SCALE 1:500,000

KILOMETRES 10 0 10 20 30 40 50 KILOMETRES

APPLICANT: POSEIDON EXPLORATION LTD

DM: 10/91 AREA: 1039 square kilometres (approx.)

1:250 000 PLANS: ADELAIDE

LOCALITY: MT BARKER AREA - approximately 35 km east of Adelaide

EXPLORATION LICENCE 1723, MT.BARKER

Expenditure Statement for the Quarter Period Ending 20 February 1992

Salaries	$1,187.50
Contractors	4,624.66
Field Supplies/Expln.consumables	481.10
Shed Rental	500.00
Vehicle operating costs	95.29
Analytical and assay costs	5,464.00
Freight charges	397.00
Office costs	388.53
Overheads	1,970.00
TOTAL	$15,108.08

POSEIDON EXPLORATION LIMITED

FINAL REPORT

FOR EXPLORATION LICENCE EL 1723

MT. BARKER

Locality: Mt. Lofty Ranges:Mt. Barker
Adelaide 1:250,000 Sheet

Commodity: Au

August, 1992

SUMMARY

Exploration Licence 1723 (Mt. Barker) was granted to Poseidon Exploration Limited in May, 1991 principally as a gold exploration target. Although the area has been explored quite extensively in the past and with numerous known mineral occurrences, research indicated that no systematic modern gold search had been undertaken. In order to assess the gold potential, a tenement wide reconnaissance stream sediment BLEG sampling programme was implemented. A number of anomalous results were indicated.

CONTENTS

List of Appendices

List of Plans:

INTRODUCTION

The following report details exploration carried out within Exploration Licence 1723 (Mt. Barker) granted to Poseidon Exploration Limited on 21 May, 1991.

The proposed exploration target was stratabound gold mineralisation within the aureole of post tectonic granites. Poseidon re-processed available open file aeromagnetic coverage and completed a regional stream sediment BLEG survey over approximately two thirds of the tenement.

TENURE

Exploration Licence (EL) 1723 (Mt. Barker) of some 1,040 km^2 was granted to Poseidon Exploration Limited on 21 May, 1991 for a period of one year. An application for a further term of one year was granted. Subsequent to granting, the decision was taken not to pursue further exploration within the licence. The tenement was formerly relinquished on 9 June, 1992.

LOCATION and ACCESS

EL 1723 is located in the Mt. Lofty Ranges between 30-50 km east of the City of Adelaide. It mostly covers rolling hill country in the centre to the plains of the Murray Basin in the east and extends into the Barossa Valley in the north. Road access is excellent throughout the licence, but the complex private land ownership does provide problems.

REGIONAL GEOLOGICAL SETTING

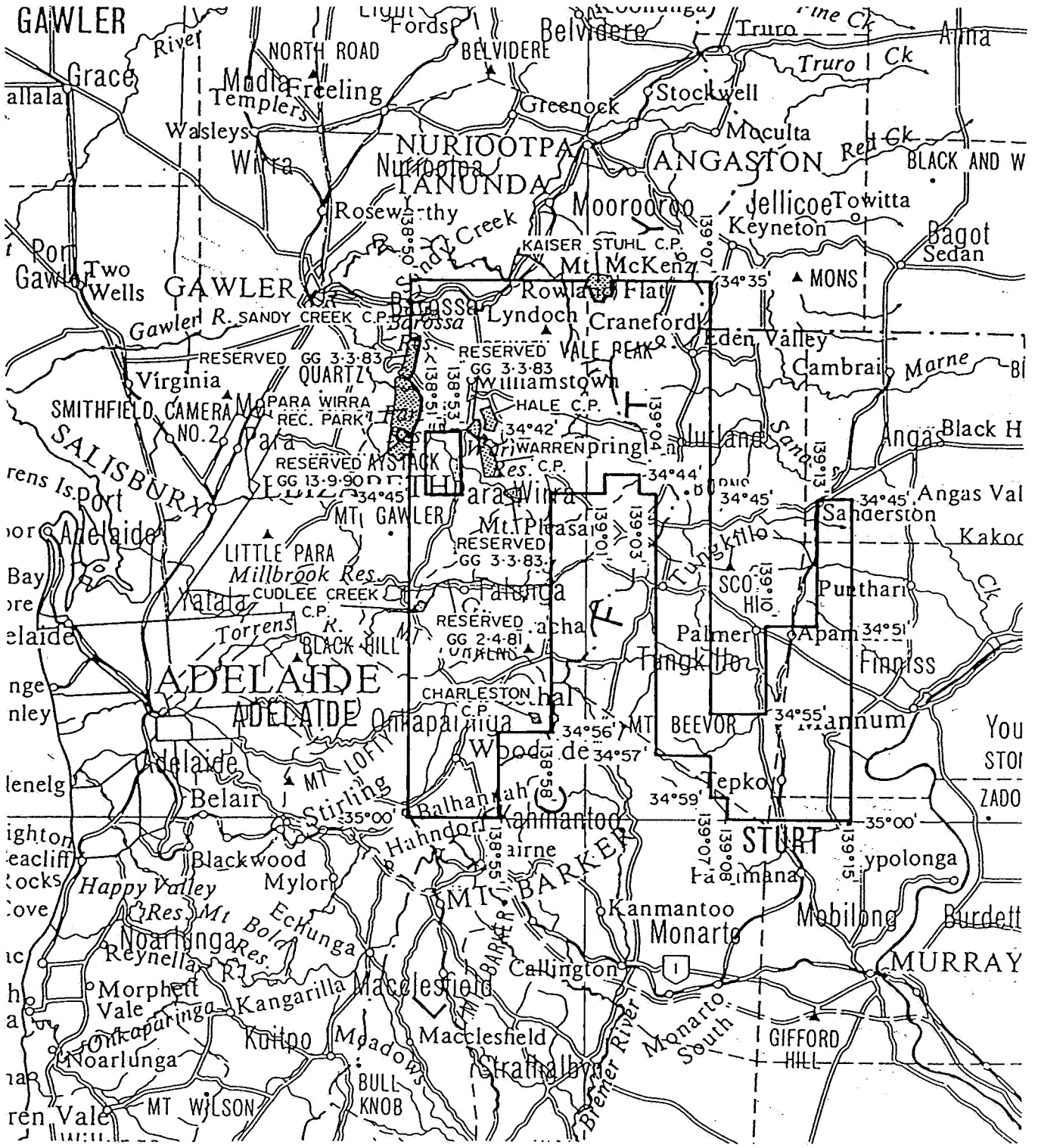
The tenement covers Adelaidean sediments of the Adelaide Geosyncline and Cambrian sediments of the Kanmantoo Trough. The latter is considered to be the more prospective as it contains a range of clastic sediments, phyllites, black pyritic shales and limestones. In addition, the Kanmantoo Trough sediments have been metamorphosed by a set of aligned granite intrusions.

Posex saw potential for the following reasons:

* The region is strongly mineralised with Cu, Au, As, Ba, Pb, Zn, including the Kanmantoo Copper Mine (4 Mt @ 1% Cu) to the south and CRAE's Mt. Torrens base metal prospect (700,000t at 6.4% Pb, 1.6% Zn).

* The metal occurrences are mainly within the aureole of Delamerian granites and can be compared to the situation in the Pine Creek Geosyncline where all of the major gold deposits occur within the aureole of Late/post-tectonic granites.

SCHEDULE A



SCALE 1:500,000

KILOMETRES 10 0 10 20 30 40 50 KILOMETRES

APPLICANT: POSEIDON EXPLORATION LTD

DM: 10/91 AREA: 1039 square kilometres (approx.)

1:250000 PLANS: ADELAIDE

* To the north of the subject area, a suite of calc-alkaline or Shoshonitic Lamprophyres have been identified. Rocks of this composition are known to be spacially and perhaps genetically related to major gold deposits elsewhere in the world.

* The presence of pyritic and carbonaceous shales.

* The subject area lies within Tim O'Driscoll's NW structural corridor and this manifests itself as a series of NW-trending faults and breccia zones which are often associated with mineral occurrences.

WORK COMPLETED

A brief literature review during 1990/91 indicated that although a number of companies had explored the area for base metals, particularly copper, no systematic modern exploration had been undertaken for gold.

Open file aeromagnetic data of the Kanmantoo Trough was re-processed. Refer to Appendix 1 (SADME Archive Tapes).

Posex compiled landowner maps of the area and identified those areas where landowner consent would be required in order to obtain the required sampling coverage. Details not included.

A medium density stream sediment BLEG sampling programme was completed over approximately two thirds of the tenement. Certain areas of intensive land use (i.e. the Barossa) were not included. Prior to commencing the programme, the Normandy Poseidon Group together with Western Mining, carried out a successful takeover of the ACM Group. At this time, ACM were managing partners of a joint venture over two tenements adjacent to EL 1723 - EL's 1582 (Kanmantoo) and 1716 (Palmer). ACM had recently completed first pass regional coverage of their tenements (and also parts of 1723) based on the same premise as the proposed Posex work. Posex were able to hire the ACM field contractor to complete sample coverage and also utilise the ACM laboratory in Perth for comparability of results.

Methodology: 5 kg -2mm bulk stream sediment sample from active stream gravels. In fact, active stream gravel was often difficult to obtain due to poorly developed drainage resulting from intensive land cultivation and damming of channels. Heavy silting and stagnation of stream beds were common. Many of the samples were collected wet.

Analysis: Bulk sample - Bulk cyanide leach Au, Ag, Cu
: -80 mesh split fraction - Hydride (As)/AAS (Cu,Pb,Zn,Mo)

Results: Refer to	Appendix 2(a)	:	BLEG sample results.
	2(b)	:	-80 mesh sample results.
	Appendix 3	:	Follow-up sampling results.
	Plans 1-4	:	Sample locations.
	Appendix 4	:	Sample location co-ordinates.
	Appendix 5	:	Rock chip sample results.

Follow-up repeat and infill BLEG sampling was carried out over two areas of anomalous geochemistry (maximum Au values 16.1 ppb and 6.3 ppb respectively). Follow-up sampling produced maximum values of 20.1 ppb and 2.44 ppb Au respectively.

Area 1 is located in the Mt. Gawler/Mt. Gauld area with a number of known gold occurrences.

Area 2 is located on the northern tenement boundary in the Mt. McKenzie area.

Additional enhanced and anomalous results were recorded but could largely be explained by the relative proximity of known mineral occurrences.

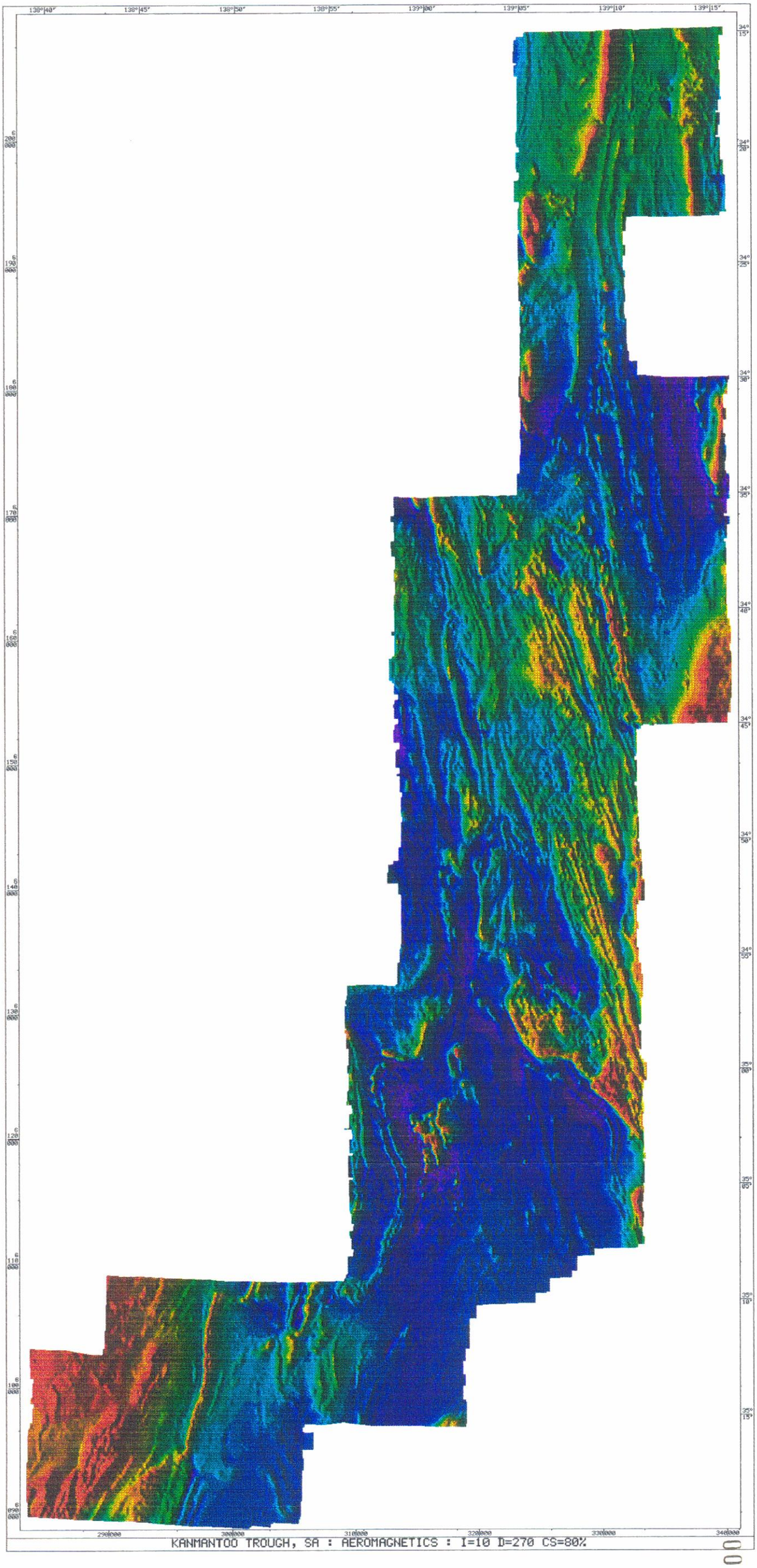
RECOMMENDATIONS

Further orientation geochemistry to determine the most effective method for assessing the area's prospectivity, particularly with regard to the contaminating effects of known mineral occurrences and the poor sample quality.

A more detailed review of previous exploration and known mineral occurrences.

APPENDIX 1

Image processed aeromagnetic data of the Kanmantoo Trough (Open File)



KANMANTOO TROUGH, SA : AEROMAGNETICS : I=10 D=270 CS=80%

0020

APPENDIX 2(a)

BLEG Stream Sediment Sample Results : Au, Cu, Ag

1114 Barker.

0022

Method : Zincons (Au Cu Ag)

Order : PX 0203 Proj 606

Report : 7015/192

Sample Number	ppb Au	ppm Cu	ppb Ag
14001	0.43	0.15	4.60
14002	0.25	0.19	3.10
14003	0.27	0.12	2.00
14004	0.43	0.25	4.60
14005	0.20	0.12	2.40
14006	0.13	0.05	0.90
14007	0.76	0.24	4.60
14008	0.18	0.25	4.60
14009	0.12	0.06	1.30
14010	0.17	0.05	1.10
14011	0.18	0.18	3.75
14012	0.17	0.09	2.20
14013	0.10	0.03	0.65
14014	0.13	0.04	0.65
14015	0.10	0.09	2.20
14016	0.10	0.03	0.65
14017	0.13	0.04	1.30
14018	0.08	0.02	0.45
14019	<0.01	0.04	1.10
14020	<0.01	0.07	2.20
14021	<0.01	0.15	3.95
14022	0.20	0.25	8.15
14023	<0.01	0.12	3.30
14024	<0.01	0.13	2.85
14025	<0.01	0.09	1.75
14026	<0.01	0.06	0.45
14027	0.02	0.11	2.65
14028	0.02	0.12	3.75
14314	0.23	0.41	4.20
14315	0.20	0.26	1.55
14316	0.88	0.16	1.55
14317	0.23	0.14	0.90
14318	0.28	0.25	0.20
14319	0.45	0.63	5.95
14320	0.18	0.29	0.90
14321	0.35	0.32	1.55
14322	0.30	0.06	0.90
14323	0.25	0.44	0.50
14324	0.55	0.15	2.20
14325	0.30	0.33	3.30
Detection Limit :	0.01	0.01	0.01

012955

Method : Zincons (Au Cu Ag)

Order : PX 0203 Proj 606

Report : 7015/192

Sample Number	ppb Au	ppm Cu	ppb Ag
14326	0.35	0.24	2.20
14327	0.30	0.35	2.00
14328	0.28	0.70	2.00
14329	16.1	0.14	0.20
14330	0.65	0.41	0.65
14331	0.56	0.18	2.85
14332	0.28	0.19	5.05
14333	0.33	0.15	1.30
14334	0.38	0.30	0.90
14335	0.46	0.15	4.85
14336	0.17	0.33	9.90
14337	0.13	0.23	10.6
14338	0.37	0.22	7.05
14339	0.22	0.25	6.60
14340	0.38	0.06	1.10
14341	0.08	0.33	8.35
14342	0.28	0.53	18.9
14343	0.10	0.30	10.1
14344	0.15	0.41	11.2
14345	0.08	0.25	7.70
14346	0.27	0.28	6.40
14347	<0.01	0.19	1.10
14348	0.02	0.25	16.1
14349	2.44 Std 3ppb.	0.08	0.45
14350	0.03	0.18	2.20
SH 52	11.0	0.05	0.50
97751	<0.01	<0.01	0.50

Detection Limit : 0.01 0.01 0.01

Mit Barker

0024

Method : Zincons (Au Cu Ag)

Order : 0204

Report : 7074/192

Sample Number	ppb Au	ppm Cu	ppb Ag
14032	1.46	0.80	14.7
14033	1.50	0.72	57.0
14035	2.28	0.55	24.2
14036	1.68	0.47	21.6
14037	4.11	9.55	28.4
14038	0.27	0.12	2.00
14039	1.39	0.78	29.7
14040	[illegible]	0.06	2.40
14051	0.17	0.06	2.20
14052	0.34	0.33	18.9
14053	0.27	0.50	10.1
14054	0.80	0.06	3.10
14055	0.09	0.01	1.10
14056	0.65	0.26	4.00
14057	0.09	0.11	4.40
14058	0.12	0.08	3.50
14059	0.22	0.02	2.90
14060	0.03	0.14	3.30
14061	0.05	0.07	2.90
14062	0.53	0.11	4.20
14063	0.14	0.21	4.60
14064	0.02	0.12	2.65
14065	<0.01	0.11	2.65
14066	<0.01	0.04	1.80
14067	0.03	0.03	1.55
14068	0.07	0.03	1.80
14069	0.09	0.04	2.20
14070	0.05	0.05	2.00
14071	0.09	0.07	3.30
14072	0.05	0.36	4.40
14073	0.03	0.05	1.55
14074	0.05	0.35	4.00
14075	0.05	0.23	4.00
14076	0.07	0.18	2.20
14077	0.07	0.17	2.90
14078	0.02	0.08	2.20
14079	0.03	0.06	2.40
14080	0.10	0.26	4.20
14081	0.03	0.06	1.55
14082	0.03	0.01	1.80
Detection Limit :	0.01	0.01	0.01

Total # samples=78

Method : Zincons (Au Cu Ag)

Order : 0204

Report : 7074/192

Sample Number	ppb Au	ppm Cu	ppb Ag
14083	<0.01	0.03	2.00
14084	<0.01	0.01	1.55
14085	0.03	0.04	2.90
14086	<0.01	0.04	2.20
14087	<0.01	0.06	2.00
14088	<0.01	0.03	1.80
14089	0.03	0.02	1.55
14090	0.02	0.12	3.10
14091	0.03	0.08	2.20
14092	<0.01	0.02	1.55
14093	0.10	0.11	2.20
14094	<0.01	0.03	2.00
14095	<0.01	0.01	1.30
14096	0.05	0.06	2.40
14097	0.15	0.15	2.65
14098	0.37	0.58	5.50
14099	2.48	2.95	5.30
14100	1.87	2.15	4.20
14101	0.02	0.09	2.65
14102	<0.01	0.12	3.30
14103	1.99	1.38	2.00
14104	0.02	0.03	1.55
14105	0.03	0.30	3.10
14106	0.05	0.26	4.40
14107	<0.01	0.03	2.00
14108	0.02	0.03	1.55
14109	0.03	0.24	3.30
14110	0.03	0.24	3.30
14111	<0.01	0.21	3.75
14112	0.22	0.12	3.10
14113	<0.01	0.07	2.65
14114	<0.01	0.07	2.20
14115	0.88	0.54	2.20
14116	0.07	0.07	2.00
14117	0.03	0.05	2.00
14118	3.96	0.59	3.50
SH 55	12.4	0.05	0.20
97754	<0.01	<0.01	1.30
Detection Limit :	0.01	0.01	0.01

Method : Zincons (Au Cu Ag)

Order : 205

Report : 7206/292

Sample Number	ppb Au	ppm Cu	ppb Ag
14119	0.82	0.08	2.00
14120	0.19	0.13	3.75
14121	0.09	0.03	2.20
14122	0.14	0.14	3.50
14123	0.05	0.01	1.30
14124	0.09	0.02	2.90
14125	0.12	0.03	3.10
14126	0.05	0.01	1.55
14127	0.07	0.01	1.30
14128	0.14	0.05	1.80
14129	0.14	0.02	1.55
14130	0.14	0.05	2.20
14131	0.14	0.03	2.65
14132	0.09	0.03	2.65
14133	0.10	0.03	2.40
14134	0.12	0.03	2.20
14135	0.17	0.04	2.00
14136	0.12	0.03	2.00
14137	0.19	0.01	3.50
14138	1.65	0.04	7.05
14139	0.12	0.27	4.60
14140	0.17	0.06	2.20
14141	0.10	0.09	2.90
14142	0.14	0.24	4.00
14143	0.32	0.08	3.30
14144	0.09	0.06	2.20
14145	0.10	0.13	7.50
14146	0.05	0.02	1.80
14151	0.17	0.13	3.10
14152	0.09	0.09	3.50
14153	0.17	0.15	5.10
14154	0.17	0.14	4.40
14155	0.07	0.06	2.20
14156	0.12	0.04	3.50
14157	0.10	0.07	2.40
14158	0.10	0.14	4.00
14159	0.09	0.02	2.40
14160	0.14	0.12	3.30
14161	6.36	0.18	2.20
14162	0.58	0.19	4.20
Detection Limit :	0.01	0.01	0.01

Method : Zincons (Au Cu Ag)

Order : 205

Report : 7206/292

Sample Number	ppb Au	ppm Cu	ppb Ag
14163	0.19	0.05	1.80
14164	0.22	0.08	2.20
14165	1.87	0.07	3.30
14166	0.24	0.03	2.00
14167	0.80	0.06	3.75
14168	0.39	0.21	3.10
14169	0.12	0.03	1.80
14170	SNR	SNR	SNR
14171	0.05	0.03	2.20
14172	0.71	0.46	6.80
14173	1.84	0.34	9.25
14174	0.15	0.09	4.20
14175	0.41	0.04	3.10
14176	0.17	0.07	1.80
14177	0.09	0.04	1.55
14178	0.15	0.02	2.20
14179	0.10	0.02	1.80
14180	0.09	0.03	3.10
14181	0.05	0.06	2.20
14182	0.10	0.07	3.30
14183	0.10	0.07	3.75
14184	0.20	0.06	3.50
14185	0.10	0.03	1.55
14186	0.12	0.06	2.90
14187	0.12	0.10	6.20
14188	0.09	0.03	2.65
14189	0.12	0.06	3.50
14190	0.05	0.07	3.50
14191	0.17	0.05	2.40
14192	0.07	0.03	1.80
14193	0.12	0.04	2.00
14194	0.12	0.17	4.20
14195	0.12	0.11	2.00
14196	0.24	0.36	10.1
14197	0.17	0.10	2.20
14198	0.29	0.09	2.20
14199	0.24	0.17	2.65
14200	0.27	0.22	4.60
14218	0.09	0.02	2.65
14219	0.12	0.03	2.20
Detection Limit :	0.01	0.01	0.01

Method : Zincons (Au Cu Ag)

Order : 205

Report : 7206/292

Sample Number	ppb Au	ppm Cu	ppb Ag
14220	0.12	0.01	1.80
14221	0.07	0.01	2.00
14222	0.14	0.02	3.10
14223	0.09	0.11	4.60
14224	0.22	0.06	5.10
14225	0.07	0.12	2.40
14227	0.31	0.02	2.20
14229	0.14	0.04	2.65
14230	0.17	0.09	4.40
Detection Limit :	0.01	0.01	0.01

APPENDIX 2(b)

-80 Mesh Stream Sediment Sample Results : As, Cu, Pb. Zn, Mo

Mt Barker.

0030

Method : Hydride (As) / AAS (Cu Pb Zn Mo)

Order : KG 203

Report : 7013/192

Sample Number	ppm As	ppm Cu	ppm Pb	ppm Zn	ppm Mo
14001	35	16	15	26	2
14002	3	14	10	24	2
14003	2	10	5	16	2
14004	2	14	10	26	2
14005	1	8	5	16	2
14006	3	10	5	14	1
14007	2	16	10	20	2
14008	3	14	10	18	2
14009	1	6	5	8	2
14010	1	8	5	8	2
14011	2	14	5	16	2
14012	10	18	15	18	2
14013	11	10	<5	10	1
14014	1	8	<5	8	1
14015	1	6	5	12	2
14016	1	6	5	18	2
14017	1	8	5	12	2
14018	<1	6	5	10	2
14019	1	6	5	10	2
14020	<1	4	5	12	2
14021	1	6	10	20	2
14022	12	10	10	24	3
14023	1	8	5	14	3
14024	2	8	5	18	2
14025	2	10	5	20	2
14026	1	8	5	10	2
14027	2	12	5	24	2
14028	1	10	5	16	3
14314	11	20	10	148	2
14315	3	24	15	30	3
14316	1	12	10	12	2
14317	4	10	15	16	2
14318	3	16	15	20	2
14319	1	8	5	60	2
14320	4	24	15	26	2
14321	2	18	15	22	3
14322	3	6	5	8	2
14323	19	42	50	34	3
14324	5	8	10	16	2
14325	3	10	5	22	2
Detection Limit :	1	2	5	2	1

Method : Hydride (As) / AAS (Cu Pb Zn Mo)

Order : KG 203

Report : 7013/192

Sample Number	ppm As	ppm Cu	ppm Pb	ppm Zn	ppm Mo
14326	4	8	25	20	2
14327	3	6	10	12	2
14328	1	142	15	18	3
14329	2	8	10	12	2
14330	6	14	20	24	2
14331	1	16	10	14	2
14332	1	16	25	28	2
14333	2	12	15	22	2
14334	4	24	20	50	3
14335	1	16	10	28	2
14336	2	10	10	16	2
14337	1	14	20	94	2
14338	1	12	10	22	2
14339	5	14	15	40	2
14340	1	6	5	14	2
14341	1	38	20	62	3
14342	8	34	25	68	3
14343	6	20	15	42	3
14344	3	30	20	64	3
14345	2	26	20	74	2
14346	3	22	15	50	3
14347	4	14	10	56	2
14348	3	20	20	56	3
14349 /STD.	8	8	5	10	4
14350	1	14	10	18	2
Detection Limit :	1	2	5	2	1

Method : Hydride (As) / AAS (Cu Pb Zn Mo)

Order : 0204

Report : 7032/192

Sample Number	ppm As	ppm Cu	ppm Pb	ppm Zn	ppm Mo
14030	SNR	SNR	SNR	SNR	SNR
14031	SNR	SNR	SNR	SNR	SNR
14033	11	30	15	32	4
14034	SNR	SNR	SNR	SNR	SNR
14035	11	46	15	40	4
14036	7	30	15	36	3
14037	9	248	10	28	3
14038	4	20	5	46	2
14039	9	40	15	36	2
14040	9	8	10	14	3
14051	2	4	5	12	1
14052	6	18	20	42	2
14053	4	22	15	18	3
14054	5	10	15	14	2
14055	2	4	15	6	2
14056	2	8	10	12	2
14057	3	8	15	20	2
14058	4	4	10	14	2
14059	2	4	10	20	2
14060	2	6	10	54	2
14061	2	2	5	8	1
14062	3	6	10	10	1
14063	2	12	5	14	1
14064	2	8	<5	16	2
14065	2	8	<5	10	2
14066	2	4	<5	6	1
14067	2	4	<5	6	1
14068	2	6	10	8	2
14069	3	8	5	12	2
14070	2	10	5	12	2
14071	3	12	5	20	2
14072	2	16	5	12	2
14073	1	4	5	4	1
14074	3	26	5	16	2
14075	2	14	5	14	1
14076	2	16	5	14	1
14077	3	16	5	12	1
14078	2	10	5	10	1
14079	1	6	5	14	1
14080	2	14	5	16	2
Detection Limit :	1	2	5	2	1

Method : Hydride (As) / AAS (Cu Pb Zn Mo)

Order : 0204

Report : 7032/192

Sample Number	ppm As	ppm Cu	ppm Pb	ppm Zn	ppm Mo
14081	2	8	<5	8	1
14082	2	4	5	8	1
14083	1	6	5	10	1
14084	1	2	<5	10	1
14085	1	12	<5	8	1
14086	1	4	<5	6	1
14087	1	8	5	10	1
14088	1	4	<5	6	1
14089	1	4	5	10	3
14090	1	14	5	16	2
14091	4	38	5	14	2
14092	1	6	5	6	1
14093	2	12	10	24	2
14094	<1	6	<5	12	1
14095	1	2	5	4	1
14096	3	8	5	26	1
14097	2	10	5	18	1
14098	4	20	5	14	2
14099	7	84	15	64	2
14100	4	68	15	26	2
14101	3	6	5	12	1
14102	3	4	5	12	1
14103	4	44	10	16	1
14104	2	6	<5	6	2
14105	5	22	10	20	2
14106	3	26	5	10	1
14107	2	10	5	8	1
14108	2	6	5	8	3
14109	3	18	5	18	2
14110	3	12	5	16	2
14111	3	10	5	20	2
14112	2	8	5	14	1
14113	2	6	5	10	1
14114	2	6	5	12	2
14115	2	36	5	12	2
14116	3	10	10	14	1
14117	2	8	5	14	1
14118	2	52	5	14	2
14032	10	48	15	40	3
Detection Limit :	1	2	5	2	1

Method : Hydride (As) / AAS (Cu Pb Zn Mo)

Order : 0205 Proj 606 MBA 01

Report : 7123/192

Sample Number	ppm As	ppm Cu	ppm Pb	ppm Zn	ppm Mo
14119	2	10	5	26	1
14120	1	18	5	14	1
14121	<1	6	5	12	1
14122	1	24	10	48	2
14123	<1	10	<5	20	<1
14124	<1	8	5	22	1
14125	<1	6	15	14	1
14126	<1	2	<5	10	1
14127	<1	2	<5	6	<1
14128	<1	8	<5	8	1
14129	<1	4	<5	6	<1
14130	<1	4	<5	10	1
14131	<1	2	5	12	1
14132	<1	2	5	8	1
14133	<1	22	5	18	1
14134	2	8	5	12	1
14135	2	4	5	8	1
14136	2	8	5	12	1
14137	2	4	5	8	1
14138	2	4	5	6	2
14139	2	20	10	50	2
14140	3	10	10	32	1
14141	1	10	5	34	1
14142	1	24	5	34	2
14143	1	10	5	20	1
14144	<1	14	5	12	2
14145	1	18	10	16	2
14146	1	4	5	8	1
14151	1	12	5	12	1
14152	1	12	5	12	1
14153	4	36	15	28	2
14154	2	12	<5	18	1
14155	2	4	<5	8	1
14156	2	4	<5	8	1
14157	1	4	<5	10	1
14158	1	6	<5	10	3
14159	2	6	5	10	1
14160	1	6	5	10	1
14161	1	6	<5	10	1
14162	1	10	5	14	1
Detection Limit :	1	2	5	2	1

Method : Hydride (As) / AAS (Cu Pb Zn Mo)

Order : 0205 Proj 606 MBA 01

Report : 7123/192

Sample Number	ppm As	ppm Cu	ppm Pb	ppm Zn	ppm Mo
14163	1	4	<5	4	2
14164	2	14	5	12	1
14165	2	6	5	10	2
14166	1	4	5	6	1
14167	2	8	5	12	2
14168	2	10	20	18	1
14169	5	6	<5	6	1
14170	SNR	SNR	SNR	SNR	SNR
14171	3	4	5	6	1
14172	3	20	5	14	1
14173	2	18	5	14	1
14174	1	6	5	10	1
14175	1	6	5	12	1
14176	1	8	5	8	1
14177	3	10	5	6	1
14178	2	20	5	12	1
14179	2	6	5	8	1
14180	2	18	10	10	3
14181	2	8	5	8	<1
14182	<1	6	5	16	1
14183	<1	12	5	14	1
14184	<1	8	10	16	1
14185	<1	12	5	8	1
14186	<1	8	5	14	1
14187	<1	26	10	58	2
14188	<1	20	5	18	1
14189	<1	18	10	22	1
14190	<1	30	5	22	2
14191	<1	14	5	12	1
14192	<1	24	5	18	1
14193	<1	98	5	26	1
14194	<1	32	10	18	1
14195	2	16	5	12	1
14196	2	40	10	42	1
14197	1	12	5	10	1
14198	1	16	10	22	1
14199	1	18	10	28	1
14200	1	22	5	32	1
14218	2	14	5	10	1
14219	1	24	5	18	2
Detection Limit :	1	2	5	2	1

Method : Hydride (As) / AAS (Cu Pb Zn Mo)

Order : 0205 Proj 606 MBA 01

Report : 7123/192

Sample Number	ppm As	ppm Cu	ppm Pb	ppm Zn	ppm Mo
14220	1	8	5	6	1
14221	1	6	5	12	<1
14222	6	12	5	18	1
14223	2	12	5	18	1
14224	3	20	20	30	1
14225	2	20	5	16	1
14226	SNR	SNR	SNR	SNR	SNR
14227	1	6	5	8	1
14228	SNR	SNR	SNR	SNR	SNR
14229	2	12	5	18	<1
14230	5	16	15	26	1
Detection Limit :	1	2	5	2	1

APPENDIX 3

Limited Follow-up BLEG Sample Results : Au, Cu, Ag

Method : Zincons (Au Cu Ag)

Order : 0015

Report : 8245/692

Sample Number	ppb Au	ppm Cu	ppb Ag
14259	0.14	0.11	5.28
14260	0.14	0.29	9.36
14261	0.59	0.66	23.3
14262	0.16	0.67	30.2
14263	0.32	0.46	7.92
14264	0.21	0.13	2.88
14265	0.28	0.03	2.64
14266	0.23	0.11	2.88
14267	0.71	0.05	1.92
14268	0.16	0.11	3.36
14269	0.05	0.08	1.44
14270	0.07	0.13	1.68
14271	20.1	0.02	6.72
14272	0.21	0.06	4.08
14273	0.43	0.16	6.24
14274	0.18	0.10	2.64
14275	0.98	0.08	3.12
14276	2.44	0.19	3.60
14277	0.46	0.10	2.64
14278	0.25	0.07	2.16
14279	0.23	0.21	6.96
97769	<0.01	<0.01	1.44
SH 55	12.8	0.09	1.92
Detection Limit :	0.01	0.01	0.01

APPENDIX 4

BLEG Stream Sediment Sample Location

(AMG Co-ordinates)

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : ONKAPARINGA SHEET.

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
		ONKAPARINGA 1:50,000 Sheet (6628-2)								
		follow up BLEG Sampling. Locations	(AMG Coordinates)							
14259	E 301 800	S 6144 550								
14260	E 302 100	S 6144 900								
14261	E 302 200	S 6145 150								
14262	E 303 550	S 6144 750								
14263	E 303 800	S 6144 850								
14264	E 304 100	S 6144 950								
14265	E 302 900	S 6146 000								
14266	E 303 100	S 6145 800								
14267	E 303 200	S 6145 950								
14268	E 303 450	S 6146 200								
14269	E 303 400	S 6146 500								
14270	E 303 350	S 6146 450								
14271	E 302 900	S 6146 250								
14272	E 302 900	S 6145 800								
14278	E 310 450	S 6150 400								
14279	E 309 700	S 6150 050								

0010

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker: ONKAPARINGA SHEET.

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)
		ONKAPARINGA 1:50000 sheet 6628-2	
		Regional Stream Sediment BLEG Sampling.	Locations (AMG Coordinates.)
14314	E 301 800	S 6145 150	
14315	E 301 900	S 6145 750	
14316	E 302 000	S 6148 950	
14317	E 302 150	S 6149 700	
14318	E 303 250	S 6149 300	
14319	E 303 150	S 6148 050	
14320	E 303 150	S 6148 100	
14321	E 303 300	S 6147 900	
14322	E 303 350	S 6147 900	
14323	E 305 150	S 6147 700	
14324	E 304 300	S 6146 800	
14325	E 304 200	S 6146 750	
14326	E 303 050	S 6147 150	
14327	E 302 500	S 6146 700	
14328	E 302 000	S 6147 100	
14329	E 302 650	S 6146 250	
14330	E 303 000	S 6146 650	
14331	E 304 850	S 6148 900	

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : Onkaparinga Shee

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14332	E 304 850	S 6149 800								
14333	E 304 800	S 6149 800								
14334	E 305 750	S 6149 800								
14335	E 306 500	S 6150 150								
14336	E 303 200	S 6144 350								
14337	E 303 900	S 6144 600								
14338	E 305 400	S 6145 250								
14339	E 305 500	S 6145 300								
14340	E 305 450	S 6145 150								
14341	E 305 450	S 6144 200								
14342	E 305 900	S 6144 150								
14343	E 306 000	S 6143 200								
14344	? E 304 400	S 6142 400								
14345	E 303 900	S 6142 500								
14346	E 303 250	S 6143 350								
14347	E 303 350	S 6144 050								
14348	E 302 900	S 6142 400								

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : ANGUSTON SHEE

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
		ANGUSTON 1:50,000 Sheet 6728-4								
		Follow up BLEG sampling.								
14273	E 324700	S 6172000								
14274	E 324000	S 6170950								
14275	E 324500	S 6171400								
14276	E 324450	S 6171700								
14277	E 323950	S 6171100								

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : ANGUSTON SHEET

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
		ANGUSTON 1:50,000 SHEET 6728-4								
		Regional Stream Sediment BLEG Sampling	Locations (AMG Coordinates)							
14120	E 323400	S 6160300								
14121	E 322450	S 6160600								
14122	E 322800	S 6160900								
14123	E 320900	S 6160150								
14124	E 320550	S 6159800								
14125	E 320550	S 6160050								
14126	E 318200	S 6157000								
14127	E 318000	S 6159300								
14128	E 322950	S 6159650								
14129	E 322550	S 6126200								
14130	E 322200	S 6164550								
14131	E 319600	S 6166200								
14132	E 319600	S 6167500								
14133	E 319500	S 6167600								
14134	E 321900	S 6167000								
14135	E 323950	S 6164600								
14136	E 324750	S 6163750								
14152	E 324050	S 6168000								
14153	E 324250	S 6168550								
14119	E 323100	S 6168700								

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : Angaston Sheet.

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14154	E 324 600	S 6169600								
14155	E 326 900	S 6168950								
14156	E 327050	S 6168900								
14157	E 327300	S 6168700								
14158	E 327250	S 6169800								
14159	E 327350	S 6171300								
14160	E 326 600	S 6171550								
14161	E 324 200	S 6171850								
14162	E 323 650	S 6171350								
14163	E 323500	S 6171400								
14164	E 322 150	S 6171850								
14165	E 321150	S 6172200								
14166	E 320 700	S 6172400								
14167	E 321700	S 6172050								
14168	E 323600	S 6170100								
14169	E 322750	S 6170300								
14170	No Sample.									
14171	E 329550	S 6168600								
14172	E 331550	S 6169700								
14173	E 331550	S 6169450								
14174	E 330400	S 6169000								

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : Angaston Shee

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14175	E 326500	S 6165400								
14176	E 323200	S 6169300								
14177	E 322850	S 6170250								
14178	E 321700	S 6170850								
14179	E 318550	S 6171150								
14180	E 318550	S 6171250								
14181	E 320700	S 6169200								
14182	E 320500	S 6168700								
14183	E 321800	S 6168800								
14184	E 321950	S 6169400								
14185	E 322950	S 6169100								
14186	E 326050	S 6163550								
14187	E 325350	S 6155300								
14188	E 327000	S 6154900								
14189	E 327650	S 6155950								
14190	E 327000	S 6156050								
14191	E 325300	S 6155950								
14192	E 324100	S 6156400								
14193	E 325450	S 6157150								
14194	E 327250	S 6160200								
14195	E 326850	S 6160350								

0046

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : Anguston Sheet.

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14196	E 325 700	S 6160 700								
14197	E 325 800	S 6158200								
14198	E 322 750	S 6158050								
14199	E 322 250	S 6159850								
14200	E 323 200	S 6159150								
14151	E 323350	S 6167650								

0047

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : TEPKO SHEET

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
		TEPKO 1:50,000 Sheet 6728-111								
		Regional Stream Sediment B.L.E.G.								
		sampling. Locations (AMG Coordinates)								
14350	E 332 750	S 6141 150								
14001	E 333 000	S 6141 000								
14002	E 333 300	S 6140 200								
14003	E 332 850	S 6140 000								
14004	E 332 650	S 6139 550								
14005	E 332 700	S 6138 650								
14006	E 333 000	S 6138 600								
14007	E 332 350	S 6138 200								
14008	E 335 100	S 6142 450								
14009	E 335 150	S 6143 500								
14010	E 338 650	S 6150 250								
14011	E 339 800	S 6150 550								
14012	E 337 300	S 6150 450								
14013	E 338 150	S 6147 100								
14014	E 339 700	S 6146 900								
14015	E 336 750	S 6141 350								
14016	E 336 650	S 6142 100								
14017	E 337 000	S 6143 100								

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: MT Barker : TEPKO SHEET

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14018	E337 900	S 6142 050								
14019	E338 000	S 6142250								
14020	E 339 000	S 6141 400								
14021	E 338 450	S 6138 050								
14022	E 339350	S 6133 100								
14023	E 338950	S 6133100								
14024	E 338450	S 6135000								
14025	E 338 300	S 6133800								
14026	E 337 700	S 6133 300								
14027	E 337 700	S 6131 850								
14028	E 337 700	S 6131 800								
14051	E 318 850	S 6146 300								
14052	E 320 700	S 6146 750								
14053	E 320 800	S 6146 950								
14054	E 320 500	S 6146 900								
14055	E 320 550	S 6147 750								
14056	E 320 600	S 6148 550								
14057	E 321 050	S 6149 350								
14058	E 321 650	S 6149 450								
14059	E 320 650	S 6148 650								
14060	E 323 700	S 6147 500								

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : TEPKO SHEET

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14061	E 320 950	S 6145 350								
14062	E 320 350	S 6145 700								
14063	E 322 050	S 6146 050								
14064	E 333 400	S 6125 750								
14065	E 332 700	S 6125 600								
14066	E 331 400	S 6127 750								
14067	E 329 700	S 6127 700								
14068	E 329 500	S 6128 500								
14069	E 329 450	S 6127 950								
14070	E 329 000	S 6127 000								
14071	E 329 100	S 6126 950								
14072	E 328 400	S 6127 150								
14073	E 329 150	S 6127 350								
14074	E 333 750	S 6126 900								
14075	E 332 700	S 6128 100								
14076	E 332 200	S 6128 850								
14077	E 333 500	S 6127 450								
14078	E 328 800	S 6128 150								
14079	E 328 800	S 6127 800								
14080	E 331 300	S 6132 800								
14081	E 330 800	S 6132 600								

0050

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : TEPKO SHEET

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14082	E 328 950	S 6132 700								
14083	E 328 650	S 6133 600								
14084	E 327 600	S 6133 900								
14085	E 327 550	S 6133 500								
14086	E 332 600	S 6129 300								
14087	E 331 050	S 6130 300								
14088	E 329 500	S 6131 600								
14089	E 329 350	S 6131 950								
14090	E 329 800	S 6132 150								
14091	E 329 350	S 6132 150								
14092	E 328 550	S 6131 400								
14093	E 328 150	S 6132 300								
14094	E 327 400	S 6130 950								
14095	E 327 350	S 6130 000								
14096	E 332 950	S 6138 300								
14097	E 332 600	S 6137 650								
14098	E 332 450	S 6137 100								
14099	E 332 900	S 6136 750								
14100	E 333 150	S 6135 950								
14101	E 333 650	S 6134 650								
14102	E 333 300	S 6134 200								

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : TEPKO SHEET

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14103	E 333 300	S 6134 900								
14104	E 332 800	S 6134 700								
14105	E 331 900	S 6134 200								
14106	E 331 350	S 6133 700								
14107	E 331 350	S 6133 650								
14108	E 332 150	S 6134 050								
14109	E 332 150	S 6133 250								
14110	E 332 500	S 6132 800								
14111	E 332 400	S 6132 150								
14112	E 331 750	S 6130 950								
14113	E 331 450	S 6131 300								
14114	E 332 500	S 6130 850								
14115	E 334 350	S 6134 100								
14116	E 335 450	S 6134 150								
14117	E 335 550	S 6134 150								
14118	E 335 300	S 6133 900								
14137	E 320 400	S 6145 300								
14138	E 320 550	S 6145 500								
14139	E 325 100	S 6150 150								
14140	E 325 300	S 6150 150								
14141	E 326 200	S 6151 000								

2500

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt Barker : TELKO SHEET.

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM)							
14142	E 325 800	S 6151 750								
14143	E 325 000	S 6144 400								
14144	E 325 000	S 6144 560								
14145	E 327 100	S 6145 050								
14146	E 324 550	S 6145 950								
14218	E 329 100	S 6134 900								
14219	E 328 000	S 6134 850								
14220	E 325 800	S 6133 150								
14221	E 325 800	S 6133 200								
14222	E 324 150	S 6131 850								
14223	E 324 250	S 6132 400								
14224	E 324 200	S 6133 950								
14225	E 325 150	S 6136 150								
14226	E 326 200	S 6134 850								
14227	E 324 900	S 6138 100								
14228	E 325 600	S 6137 150								
14229	E 326 800	S 6138 300								
14230	E 326 800	S 6138 250								

APPENDIX 5

Rock Chip Sample Results

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt BARKER

SAMPLE No. PREFIX:	LOCATION	DESCRIPTION	ASSAYS (PPM) Au	Cu	Pb	Zn	Ag	Ni / Bi	As / Sb	Ba
	(AMG Coord's)	ROCK CHIP SAMPLES : Mt BARKER.								
14201	E 321650	@ BLEG sample site 14165.	<0.005	10	10	10	<0.005	20	19	530
	S 6172000	Fe cemented qtz pebble / gravel cgl. caprock.						<10	4	
14202	E 331150	Fe stone : minor malachite, limonite	<0.005	95	20	50	<	50	70	280
	S 6170100	in vughs.						<10	9	
14203	E 321250	@ BLEG sample site 14165. Stream float	<0.005	10	5	<5	<	10	5	260
	S 6172300	" " " " "						<10	5	
14204	E 333000	subcrop / float : strongly limonitic qtz pebble	<0.005	15	5	5	<	15	20	60
	S 6138300	cgl caprock.						<10	12	
14205	E 329100	Mine dump : Hematite siltst + qtz veining,	0.920	5740	15	40	<	75	7	390
	S 6127200	malachite / azurite staining.						50	6	
14206	E 320550	float : oxidised limonitic qtz pebble	0.029	140	5	<5	<	15	4	340
	S 6147900	cgl ; vein qtz.						<10	8	

POSEIDON EXPLORATION LIMITED

SAMPLE RECORD

PROJECT: Mt BARKER.

SAMPLE No. PREFIX:	LOCATION (AMG Coord's.)	DESCRIPTION	ASSAYS (PPM) Au	Cu	Pb	Zn	Ag	Ni / Bi	As / Sb	Ba
		ROCK CHIP SAMPLES cont'd.								
14207	E 321 200	float: strongly hematitic sandstone	0.013	90	30	10	<	5	230	110
	S 6147600	plus limonitic qtz pebble cgl.						<10	6	
14208	E 320 650	float/dump: mthd oxidised/hematitic	1.440	5860	20	20	16.5	805	11	320
	S 6147700	schistose rock.						20	4	
		Detection Limits: (ppm)	0.005	5	5	5	0.5	5 / 10	2 / 3	10

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ANGASTON

SOUTH AUSTRALIA

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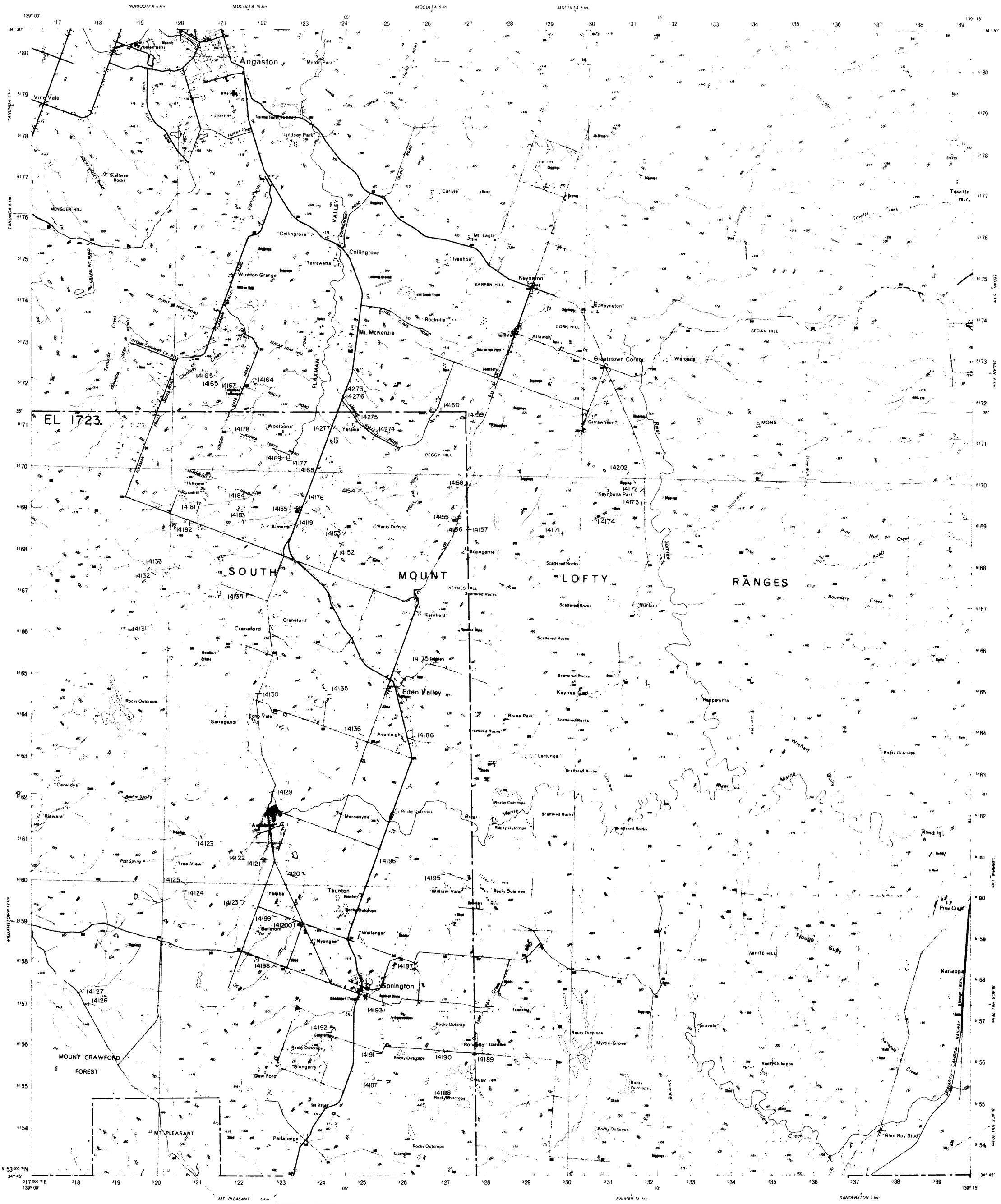

LEGEND

14173 - Sample location

SCALE 1:50 000

METRES 1000 0 1 2 3 4 5 KILOMETRES

CONTOUR INTERVAL 10 METRES

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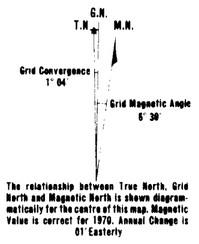
PROJECTION	Australian Map Grid. Zone 53. Central Meridian 135°E.
ELEVATION	Elevations in Metres. Datum: Mean Sea Level, Port Adelaide.
CONTROL	Triangulation and Traverse by the Division of National Mapping, the Royal Australian Survey Corps and the South Australian Department of Lands.
DETAIL	Aerial Photography, Svy. S.A. 1308 & 1309, Apr. 1971
PHOTOLITHOGRAPHY	A. B. James, Government Printer, 1973.



The relationship between True North, Grid North and Magnetic North is shown diagrammatically for the centre of this map. Magnetic Value is correct for 1970. Annual Change is 01' Easterly

Built-up area; National route marker.
Road, sealed surface, two or more lanes; Cutting.
Road, sealed surface, one lane; Embankment.
Road, unsealed surface, two or more lanes; Bridge.
Road, unsealed surface, one lane.
Vehicular track.
Railways, multiple track; Station; Siding.
single track; Station with siding.
Post office; Police station; School.
Church; Mine; Windmill.
Quarry.

Power transmission line; Levee or bank.
Major horizontal control point; Beach mark; Spot elevation
Lake, perennial; Watercourse.
Lake, intermittent; Small dam or waterhole on watercourse.
Lake, mainly dry; Land subject to inundation.
Bore or well; Tank or small dam.
Contours; Depression contours.
Rock, bare or awash; Reef.
Sand; Sand ridges.
Pine plantation; Orchard or vineyard.
Windbreak.

Barossa PLAN 4	Angaston PLAN 1
Onkaparinga PLAN 3	Tepko PLAN 2

POSEIDON EXPLORATION LIMITED

EL 1723 – MT. BARKER

BLEG STREAM SEDIMENT

SAMPLE LOCATIONS

Compiled:	Date: August 1992	Plan 1 of 4
Drawn:	Scale: 1:50,000	

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ANGASTON
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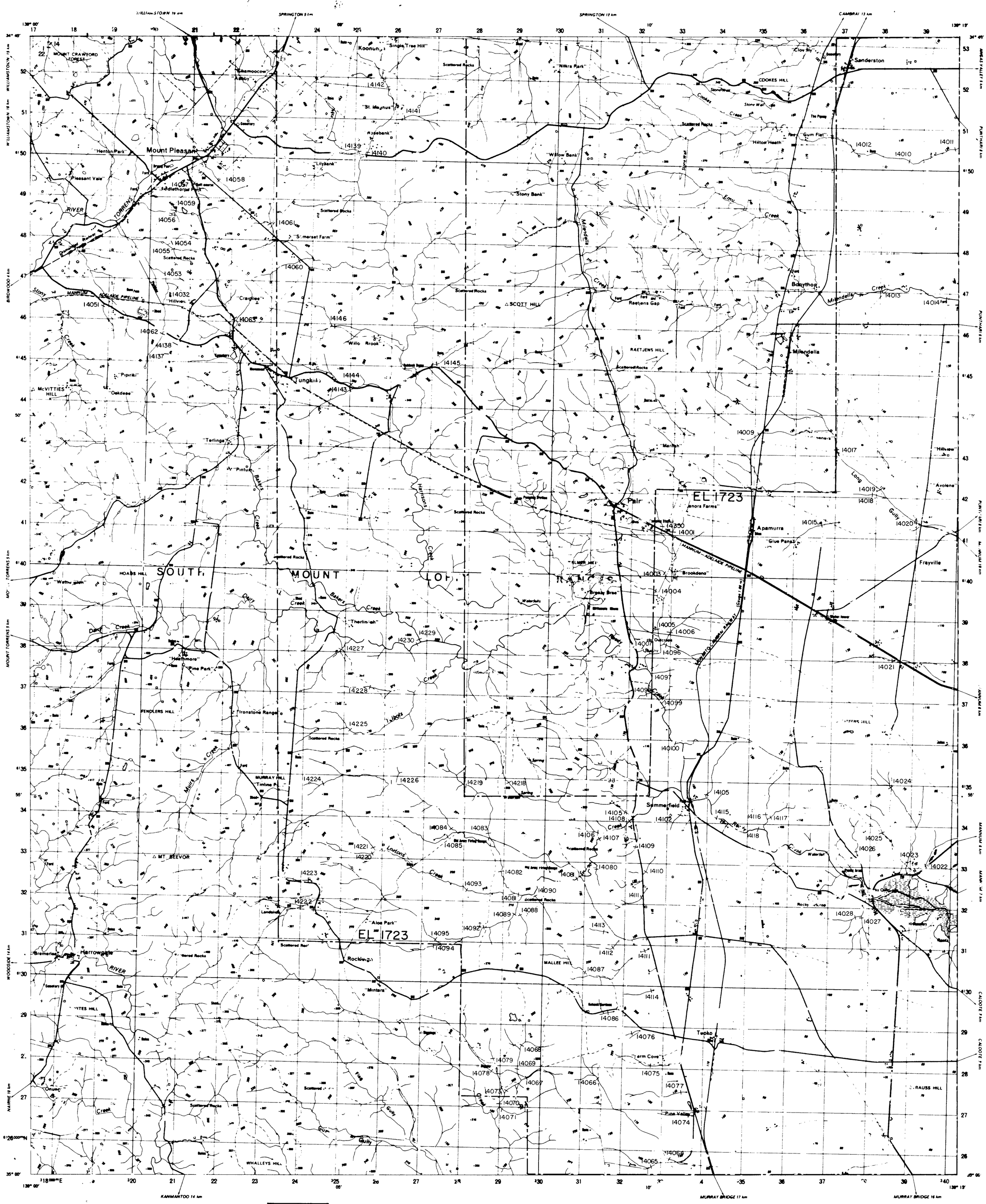
8464-2

TEPKO

1:50 000 TOPOGRAPHIC SERIES

SOUTH AUSTRALIA

FIRST EDITION



Barossa PLAN 4	Angaston PLAN 1
Onkaparinga PLAN 3	Tepko PLAN 2

LEGEND
Sample Location
14222

SCALE 1:50 000

CONTOUR INTERVAL 10 METRES

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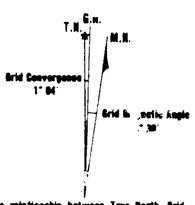
ELEVATIONS — Elevations in metres. Australian Height Datum.

CONTROL — Triangulation and Traverse by the Division of National Mapping, the Royal Australian Survey Corps and the South Australian Department of Lands.

DETAIL — Aerial Photography, Sry. S.A. 1388 & 1389. April, 1971.

PHOTOLITHOGRAPHY — A. J. James, Government Printer, 1974.



The relationship between True North, Grid North and Magnetic North is shown diagrammatically for the centre of this map. Magnetic Values is correct for 1976. Annual Change is 01' Easterly

Built-up area; National route marker.
Road, sealed surface, two or more lanes; Cutting.
Road, sealed surface, one lane; Embankment.
Road, unsealed surface, two or more lanes; Bridge.
Road, unsealed surface, one lane; Gate; Cattle Grid.
Vehicular track
Railway, multiple track; Station; Siding.
Railway, single track; Station with Siding.
Building; Post office; Police station; School.
Hospital; Church; Mine; Windmill.
Fence; Quarry.

Power transmission line; Levee or bank.
Major horizontal control point; Bench mark; Spot elevation.
Lake, perennial; Watercourse.
Lake, intermittent; Small dam or waterhole on watercourse.
Lake, mainly dry; Land subject to inundation.
Bore or well; Tank or small dam.
Contours; Depression contours.
Rock, bare or scrub; Reef.
Sand; Sand ridges.
Pine plantation; Orchard or vineyard.
Windbreak.

Compiled:	Date: August 1992
Drawn:	Scale: 1:50,000

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EL 1723 – MT. BARKER

BLEG STREAM SEDIMENT

SAMPLE LOCATIONS

Plan 2 of 4

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SOUTH AUSTRALIA

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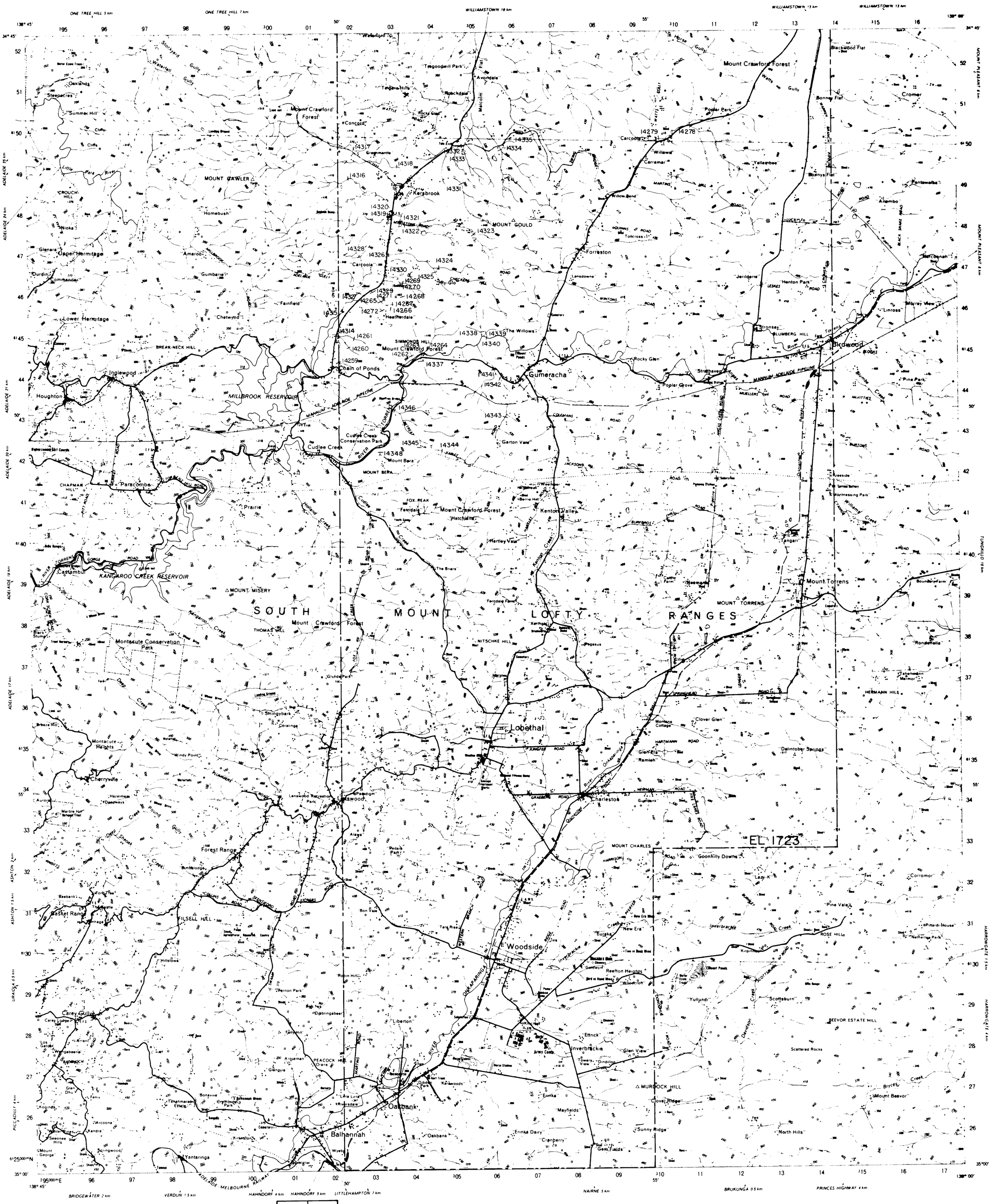

Barossa PLAN 4	Angaston PLAN 1
Onkaparinga PLAN 3	Tepko PLAN 2

LEGEND
Sample Location
14344

SCALE 1:50 000

METRES 1000 0 1 2 3 4 5 KILOMETRES

CONTOUR INTERVAL 10 METRES

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PROJECTION ... Transverse Mercator Projection. Australian Geodetic Datum, 1966.

GRID ... Zone Map Grid. Zone 54, Central Meridian 141°E.

ELEVATION ... Australian Height Datum. Elevations in metres.

CONTROL ... Geodetic and ... Department of Lands.

DETAIL ... Photogrammetry, Svy. S.A. 1272, November 1970, ... 1291, February 1971.

PHOTOLITHOGRAPHY ... A. B. James, Government Printer, 1974.

G.N. 1.8° E M.N.
Grid Convergence 1° 13'

The relationship between True North, Grid North and Magnetic North is shown diagrammatically for the centre of this map. Magnetic Value is correct for 1970. Annual Change is 01' Easterly.

Built-up area; Parks, Recreation Areas.
Road, sealed surface, two or more lanes; National Route Number.
Road, sealed surface, one lane.
Road, unsealed surface, two or more lanes; Bridge.
Road, unsealed surface, one lane; Gate; Cattle grid.
Vehicular track.
Railway, multiple track; Station.
Railway, single track; Cutting; Embankment.
Building; Post office; Police station; School.
Hospital; Church; Mine; Windmill.
Fence; Quarry.

Power transmission line; Levee or bank.
Survey beacon; Spot elevation.
Lake, perennial; Watercourse.
Lake, intermittent; Land subject to inundation.
Land usually dry; Land subject to occasional flooding.
Rock or waterhole on watercourse; Tank or soak.
Contour; Depression contours.
Rock, bare or awash; Reef.
Sand; Sand ridges.
Pine plantation; Orchard or vineyard.
Windbreak.

POSEIDON EXPLORATION LIMITED

EL 1723 – MT. BARKER

BLEG STREAM SEDIMENT

SAMPLE LOCATIONS

Compiled:	Date: August 1992	Plan 3 of 4
Drawn:	Scale: 1:50,000	

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1:50 000 TOPOGRAPHIC SERIES

BAROSSA

SOUTH AUSTRALIA

FIRST EDITION

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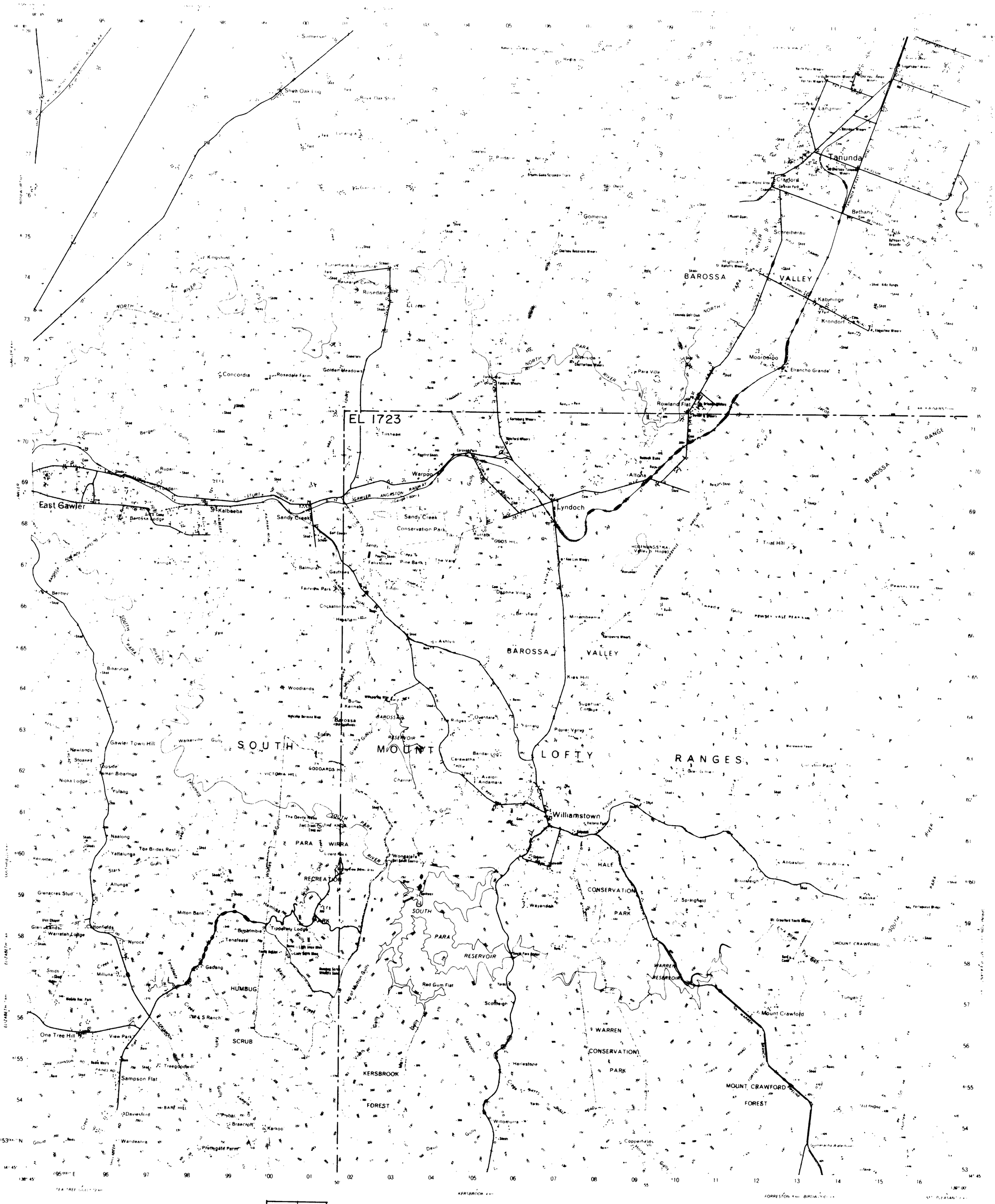

Barossa PLAN 4	Angaston PLAN 1
Onkaparinga PLAN 3	Tepko PLAN 2

LEGEND

Sample Location

14276

SCALE 1:50 000

METRES 1000 0 1 2 3 4 KILOMETRES

CONTOUR INTERVAL 10 METRES

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PROJECTION Transverse Mercator Projection. Australian Geodetic Datum 1966

GRID Australian Map Grid. Zone 54. Central Meridian 141° E

ELEVATION Australian Height Datum. Elevations in metres

CONTROL Triangulation and Traverse by the Division of National Mapping, the Royal Australian Survey Corps and the South Australian Department of Lands.

DETAIL Aerial Photography Svy S.A. 1289, 1290 & 1291 February 1971

PHOTOLITHOGRAPHY A. B. James, Government Printer, 1974

T.N. G.N. M.N.

Grid Convergence 1° 12'

Grid Magnetic Angle 6° 15'

The relationship between True North, Grid North and Magnetic North is shown diagrammatically for the centre of this map. Magnetic Value is correct for 1970. Annual Change is 01' Easterly.

Built up area; Parks, Recreation Areas; Power Transmission line; Levee or bank; Road, sealed surface, two or more lanes; National Route Marker; Survey beacon; Spot elevation; Road, sealed surface, one lane; Lake, perennial; Watercourse; Road, unsealed surface, two or more lanes; Bridge; Lake, intermittent; Land subject to inundation; Road, unsealed surface, one lane; Gate; Cattle grid; Lake, mainly dry; Land subject to occasional flooding; Vehicular track; Dam or waterhole on watercourse; Tank or small dam; Railway, multiple track; Station; Siding; Contours; Depression contours; Railway, single track; Cutting; Embankment; Rock, bare or awash; Reef; Building; Post office; Police station; School; Sand; Sand ridges; Hospital; Church; Mine; Windmill; Pine plantation; Orchard or vineyard; Fence; Quarry; Windbreak

POSEIDON EXPLORATION LIMITED

EL 1723 – MT. BARKER

BLEG STREAM SEDIMENT

SAMPLE LOCATIONS

Compiled:	Date: August 1992.	Plan 4 of 4
Drawn:	Scale: 1:50,000	

BAROSSA
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8464-4 BAROSSA
6628-1