CR 8597

E10WR/21/4

ANNUAL REPORT FOR THE PERIOD ENDING

12 APRIL 1998

MT WARRINGTON

EXPLORATION LICENCE 9076

MCARTHUR BASIN, NT

J T KNIGHT

APRIL 1998

Tenement 9076 is held by:

BHP MINERALS PTY LTD

Level 3

3 Plain Street

EAST PERTH WA 6004

REF. P:\CORPORATE_DOCUMENTS\E10WR\21\4 - BATTENT REPORTS\CR_8597_MT WARRINGTON_KNIGHTJ_9804.DOC
17/4/98

SUMMARY

This report details exploration completed by BHP Minerals Pty Ltd (hereafter referred to as BHP) on exploration licence 9076 for the twelve month period ending 12 April 1998. EL9076 is located on the northern flank of the Urapunga tectonic ridge within the mid-Proterozoic McArthur Basin. BHP considers the tenement area to be prospective for mid-Proterozoic age sedimentary-rock hosted base metal mineralization.

Exploration during the second year of tenure has consisted of a systematic program of Protem soundings of 49 stations in an area of previously identified Pb-Ag anomalism. Two bedrock conductors were identified, which can be correlated with the Mantungula Formation, a known regional conductor at the base of the Roper Group, and the Diamond Creek Formation in the Katherine River Group. No responses from possible mineralization were identified; hence, no further geophysical work is recommended for the tenement.

Work planned for the fourth year of tenure of EL9076 will comprise detailed geochemical sampling across the Flying Fox Fault zone in order to test the magnitude and extent of geochemical anomalism identified in an earlier geochemical program.

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133°45' 134°00' 134°30' 135°00' 135°10'

14°00' 14°00'

14°30' 14°30'

15°00' 15°00'

15°30' 15°30'

133°45' 134°00' 134°30' 135°00' 135°10'

Wilton River

Phelp River

Flying Fox Creek

Jalboi River

Turkey Lagoon Creek

E9076

Ngukurr

Roper River

HIGHWAY

ROPER

ROPER RIVER

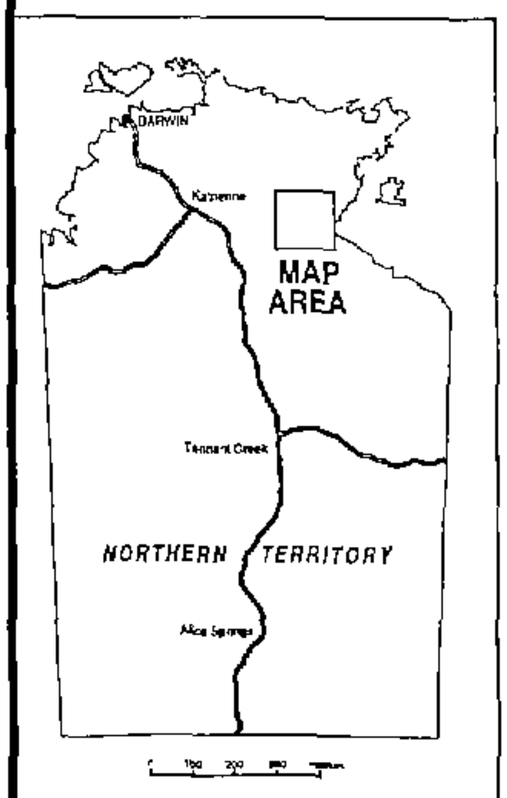
River

URAPUNGA SD53-10 | ROPER RIVER SD53-11

HODGSON DOWNS SD53-14 | MOUNT YOUNG SD53-15

Hodgson River

Towns River



Retained portion

Scale 1 : 1,000,000

0 20 40 60 80 km

UTM Projection Zone 53

Prepared : D.Stephens	BHP Exploration - BHP Minerals BHP Minerals Pty. Ltd , A C N 008 694 782	Centre : Perth
Drawn : R.J.Clark	NORTHERN PLATFORMS PROGRAM BATTEN PROJECT EL9076, MT.WARRINGTON, N.T.	Drg. No. : A4-6312
Date : 29.4.97	LOCATION OF TENEMENT	FIGURE 1
Revised :		

1. INTRODUCTION

This report details exploration completed by BHP Minerals Pty Ltd (BHP) on Exploration Licence 9076 MT WARRINGTON for the twelve months ending 12 April 1998. EL9076 is located on the northern flanks of the Urapunga Tectonic Ridge within the mid-Proterozoic McArthur Basin. BHP considers the tenement area to be prospective for mid-Proterozoic age sedimentary-rock hosted base metal mineralization. EL9076 is on the Urapunga 1:250,000 map sheet (SD53-10) and is centred on 14° 40'S latitude and 134° 35'E longitude (Figure 1). The tenement was granted to BHP on 13 April 1998 for a period of six years. Exploration carried out on EL9076 in the past twelve months has comprised a systematic program of Protem soundings. Tenement expenditure is detailed in Appendix 1.

1.1 Previous Work

Previous exploration in the area around Mt Warrington has been directed towards base metal, diamond and gold mineralization, and is summarized in Table 1. Systematic geological mapping of the area around EL 9076 was undertaken by the BMR during the period 1958-1959, resulting in the publication of the Urapunga 1:250,000 geological map (Dunn, 1963). During the period 1972 to 1982, the area was explored for base metals, with subsequent exploration directed towards diamonds (1982 to 1990) and gold (early 1990's). Despite this sustained period of exploration, no significant mineral occurrences have been identified proximal to EL9076.

1.2 Rehabilitation

All exploration carried out by BHP was of a nature which caused no ground disturbance; hence, no rehabilitation has been required.

TABLE 1 - EXPLORATION SUMMARY

YEAR	COMPANY	REFERENCE	COMMODITY	NOTES
1973-1974	CRA Exploration	CR74/73	Base metals	Stream, soil and rock sampling
1978-1982	Western Mining Corporation	CR80/5, 81/4, 81/304, 83/8	Base metals	Soil sampling, IP traversing, input-EM
1982-1983	Ashton Mining	CR83/84	Diamonds	Gravel sampling
1984-1985	Stockdale Prospecting Limited	CR85/150	Diamonds	Gravel sampling
1988-1990	Stockdale Prospecting Limited	CR90/60	Diamonds	Gravel sampling
1991-1993	Carpentaria Gold Pty Ltd	CR93/413	Gold	Stream and rock sampling
1995-present	BHP		Base metals	Soil sampling, ground EM

2. GEOLOGY

EL9076 lies on the northern flank of the Urapunga Dome which forms part of the Urapunga Tectonic Ridge within the mid-Proterozoic McArthur Basin. The McArthur Basin is divided into four sequences, each separated by a regional unconformity: (1) the basal Tawallah Group, comprising mainly quartz sandstone with subordinate carbonates, shales, and volcanic rocks, (2) the McArthur Group, which consists of evaporitic carbonate and interbedded shale with lesser sandstone and chert, (3) the Nathan Group, comprising dolostone, sandstone, chert and shale, and (4) the Roper Group, comprising alternating sandstone and shale (Jackson *et al.*, 1987).

Within the tenement area, the oldest rocks belong to the Mount Reid beds, which are sandstones underlain by felsic volcanic rocks, and are possibly older than the Tawallah Group. The Vizard Formation overlies the Mount Reid beds immediately west of EL9076, and is overlain by the Kookaburra Creek Formation and Yalwarra Volcanic Member, both of which are interpreted to form part of the Nathan Group (Plumb, 1988). Roper Group Sandstones unconformably overlie the Kookaburra Creek Formation in the northern half of the tenement. These have been intruded by dolerite sills. Much of the tenement area is covered by a veneer of Cainozoic unconsolidated sediments.

The tenement is traversed by the eastern extension of the regional-scale, WNW-ESE Flying Fox Fault. Locally, the tenement includes a small E-W striking, plunging anticline of Kookaburra Creek Formation.

3. GEOPHYSICS

3.1 Protem Soundings

Forty nine soundings were carried out across EL9076, under contract by Geoterrex Pty Ltd., using Protem TEM equipment. The location of the sounding sites and cross sections are shown in Figure 2, together with the regional geology (from Dunn, 1963). All ground TEM soundings used a 200m diamond loop, with a reading taken at the centre of the loop. Two out-of-loop readings were taken 200m to the north and to the south of the centre of the loop, to allow a loop-effect correction to be applied. Survey specifications for the soundings across EL9076 are listed in Table 2.

TABLE 2 - Mt WARRINGTON GROUND TEM SURVEY SPECIFICATIONS

CONTRACTOR	Geoterrex Pty Ltd
DATE	June 1997
ELECTROMAGNETIC SYSTEM-TX	EM37
ELECTROMAGNETIC SYSTEM-RX	PROTEM
FREQUENCY	6.25 or 25 Hz
COMPONENT	Z
TRANSMITTER SIZE	200m x 200m diamond loop
TRANSMITTER CURRENT	13-15 Amps
TURN-OFF RAMP	0.14 msec
RECEIVER	$100m^2$ vertical (Z) axis air coil
NUMBER OF CHANNELS	20
TRANSMITTER-RECEIVER OFFSET	0m (in-loop reading), 60m (out-of-loop reading)

3.2 Results and Interpretation

The results of Grendl inversions, performed on each sounding, are listed in Appendix 2 and indicate mainly resistive ground with a 10-20 Ωm conductor present at depth in some of the soundings (Figures 3 to 10). The depth to the top of this conductor is

8380000 N

8375000 N

460000 E

455000 E

450000 E

445000 E

440000 E

5 km

WARRINGTON

RIVER

KWALKEY BLUFF

ROGERS HILL

Murphys

Police Station

Roper

Hell Gate

Pd

Pd

Pd

Pd

Pd

Pd

Pd

Pd

A

A'

B

B'

C

C'

D

D'

E

E'

F

F'

G

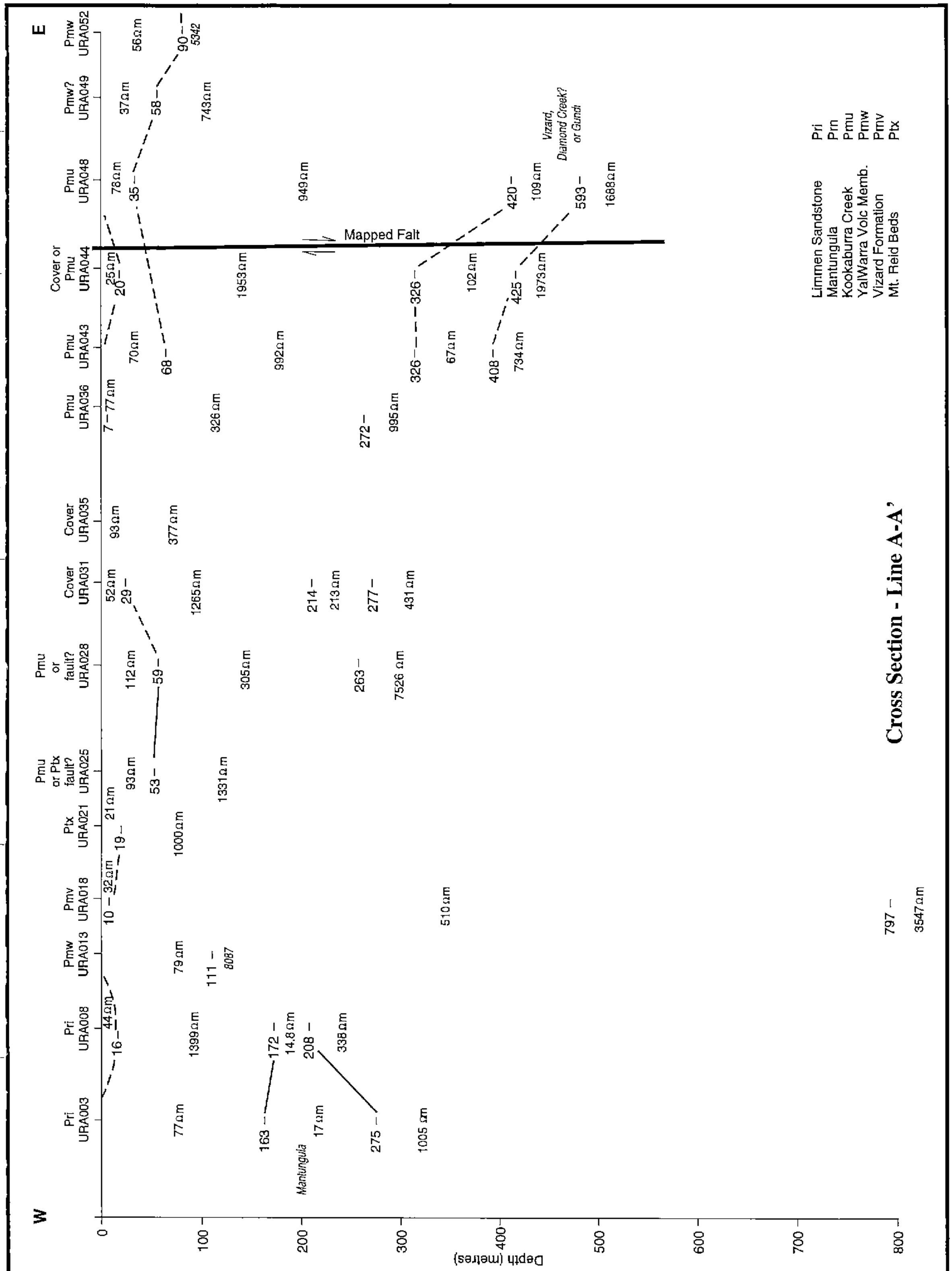
G'

H

H'

URA001 URA002 URA003 URA004 URA005 URA006 URA007 URA008 URA009 URA010 URA011 URA012 URA013 URA014 URA015 URA016 URA017 URA018 URA019 URA020 URA021 URA022 URA023 URA024 URA025 URA026 URA027 URA028 URA029 URA030 URA031 URA032 URA033 URA034 URA035 URA036 URA037 URA038 URA039 URA040 URA041 URA042 URA043 URA044 URA045 URA046 URA047 URA048 URA049 URA050 URA051 URA052

Prepared : C.Miller	BHP Exploration - BHP Minerals BHP Minerals Pty. Ltd., A.C.N. 008 694 782	Centre : Perth
Drawn : S.J.S. / R.J.C.	EL 9076 - URAPUNGA SURVEY N.T.	Drg. No. : A4-6423A.cdr
Date : 14.8.97	SOUNDING SITE LOCATIONS AND CROSS SECTIONS	FIGURE 2
Revised :		



Cross Section - Line A-A'

Prepared : C.Miller	BHP	Exploration - BHP Minerals BHP Minerals Pty Ltd , A C N 008 694 782	Centre : Perth
DraWn : R.J.Clark	EL 9076 - URAPUNGA SURvEY		Drg. No. : A4-6487
Date : 19.8.97	SOUNDING LOCATIONS SECTION A - A'		FIGURE 3
Revised :			

Prepared : C.Miller

Drawn : R.J.Clark

Date : 19.8.97

Revised :

BHP

EL 9076 - URAPUNGA SURVEY
SOUNDING LOCATIONS
SECTION B - B'

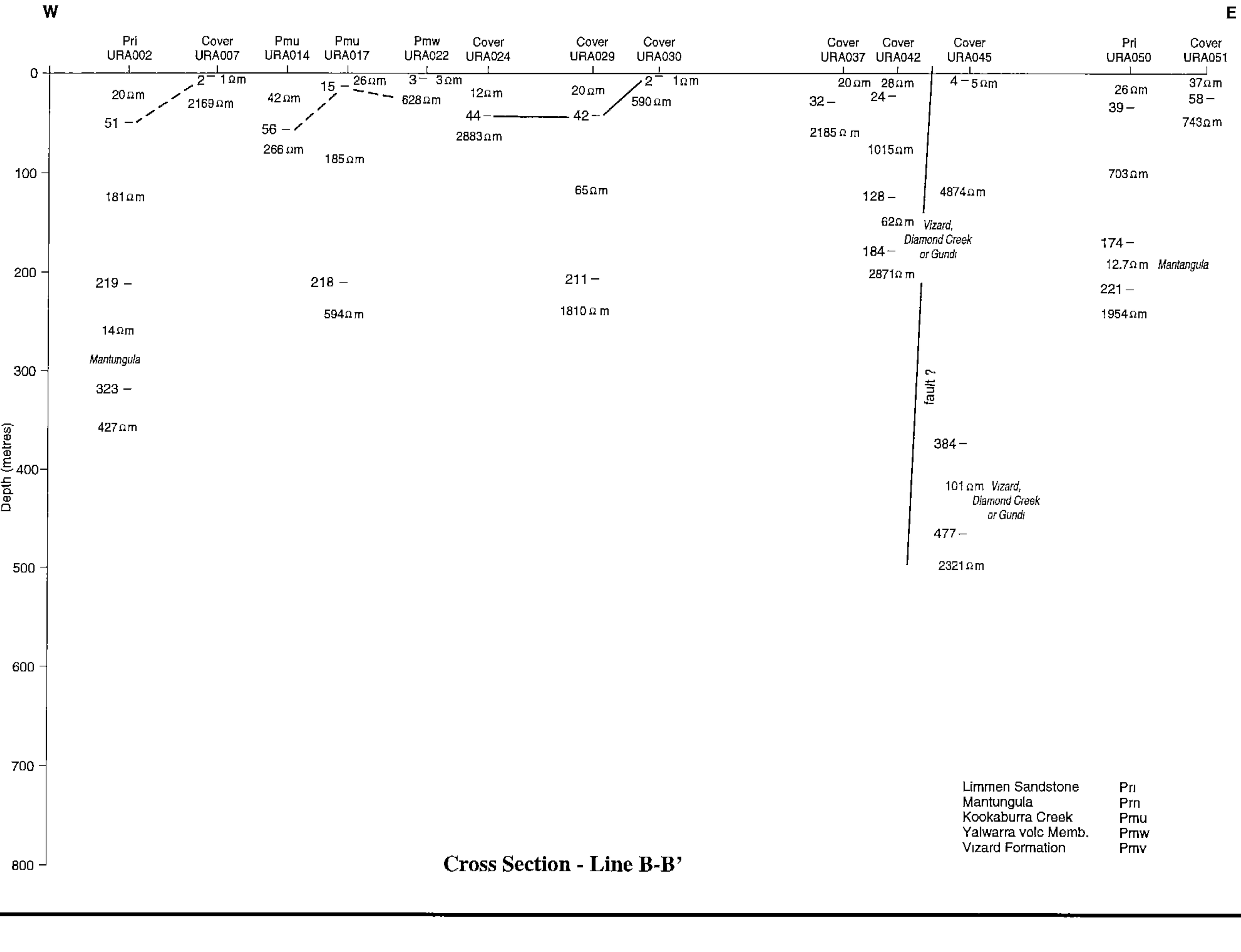
Exploration - BHP Minerals

BHP Minerals Pty Ltd, A.C.N 008 694 782

Centre : Perth

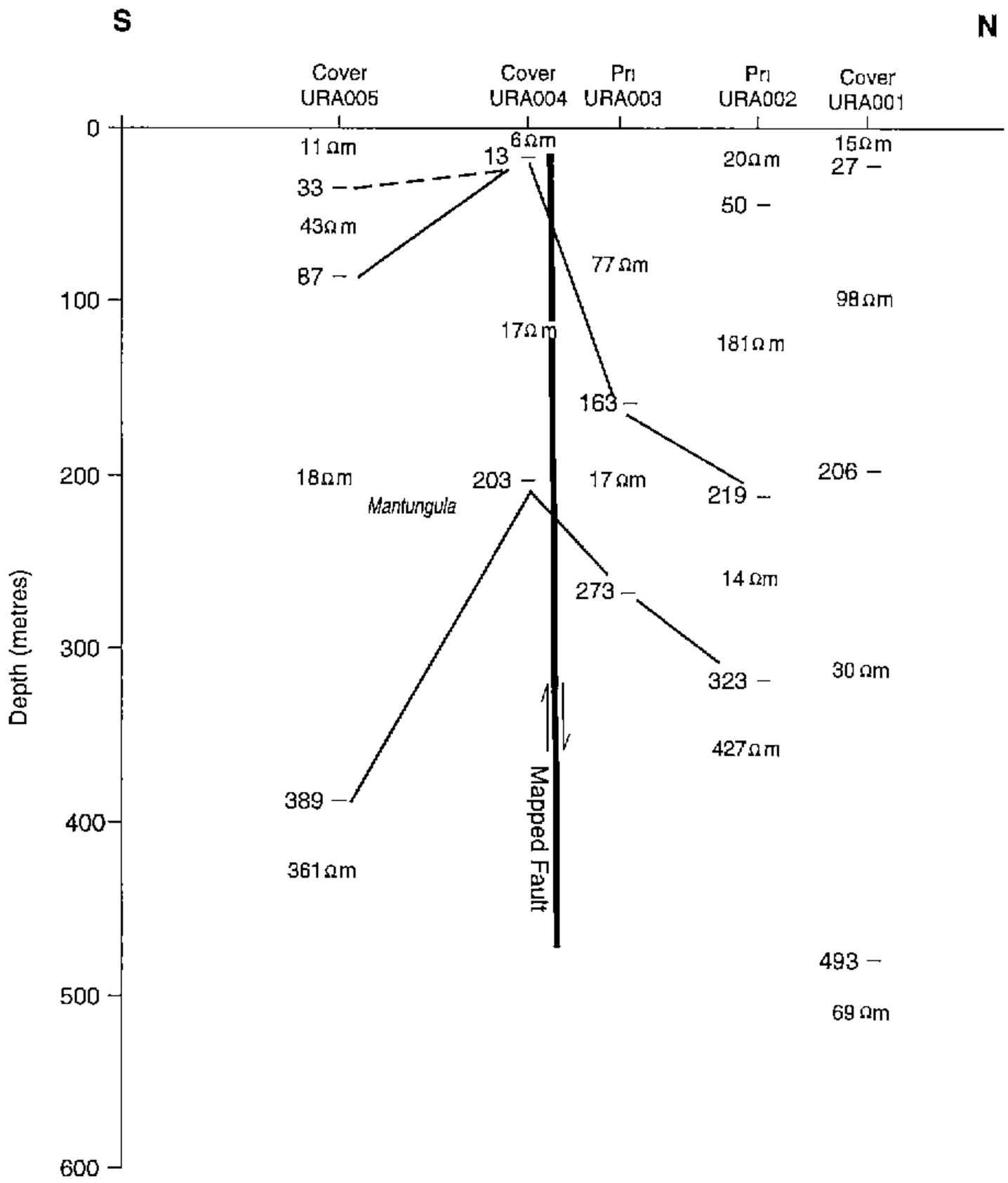
Drg. No. : A4-6488

FIGURE 4



Limmen Sandstone Prl
Mantungula Prn
Kookaburra Creek Pmu
Yalwarra volc Memb. Pmw
Vizard Formation Pmv

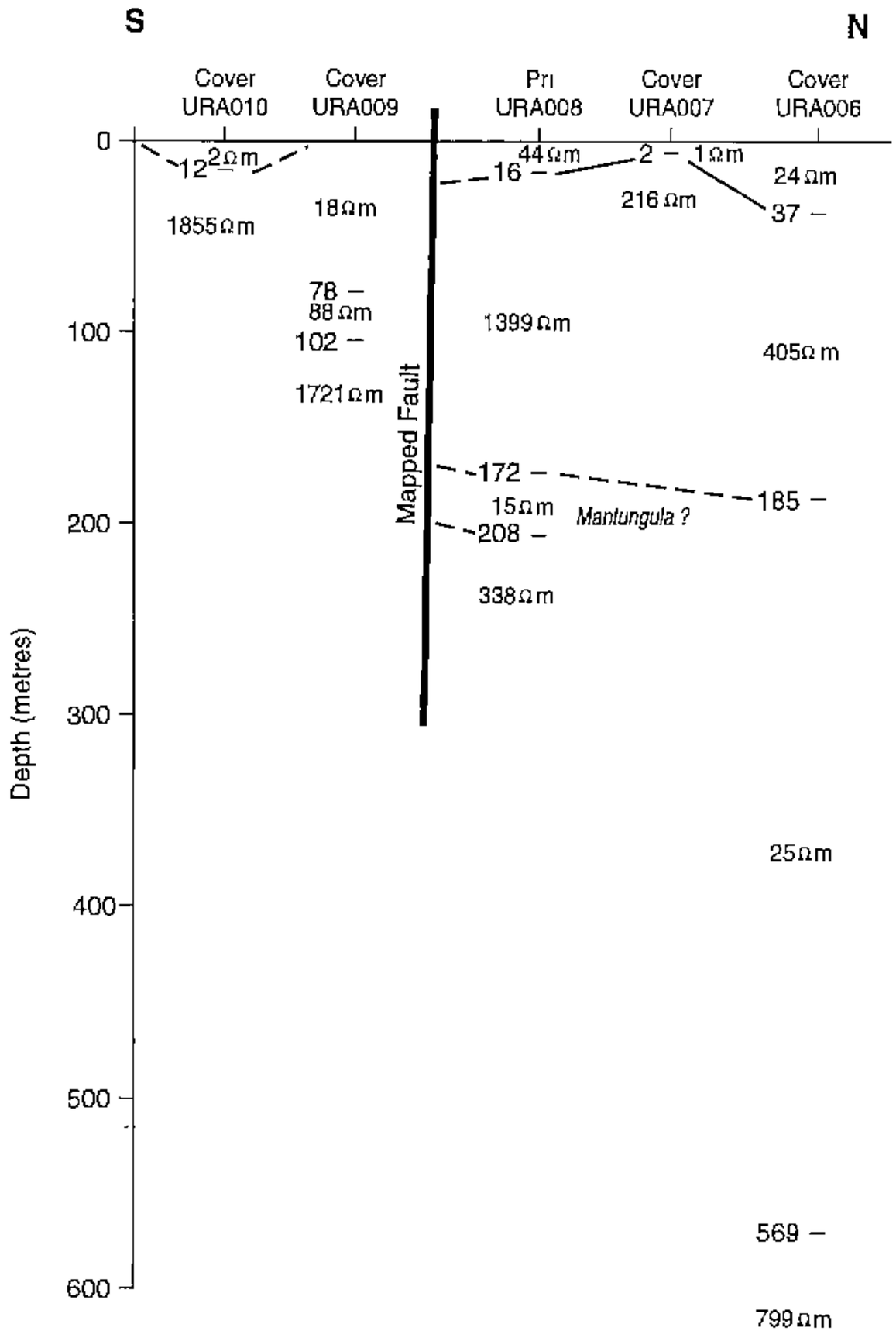
Cross Section - Line B-B'



Cross Section - Line C-C'

Limmen Sandstone Pri
Mantungula Prn

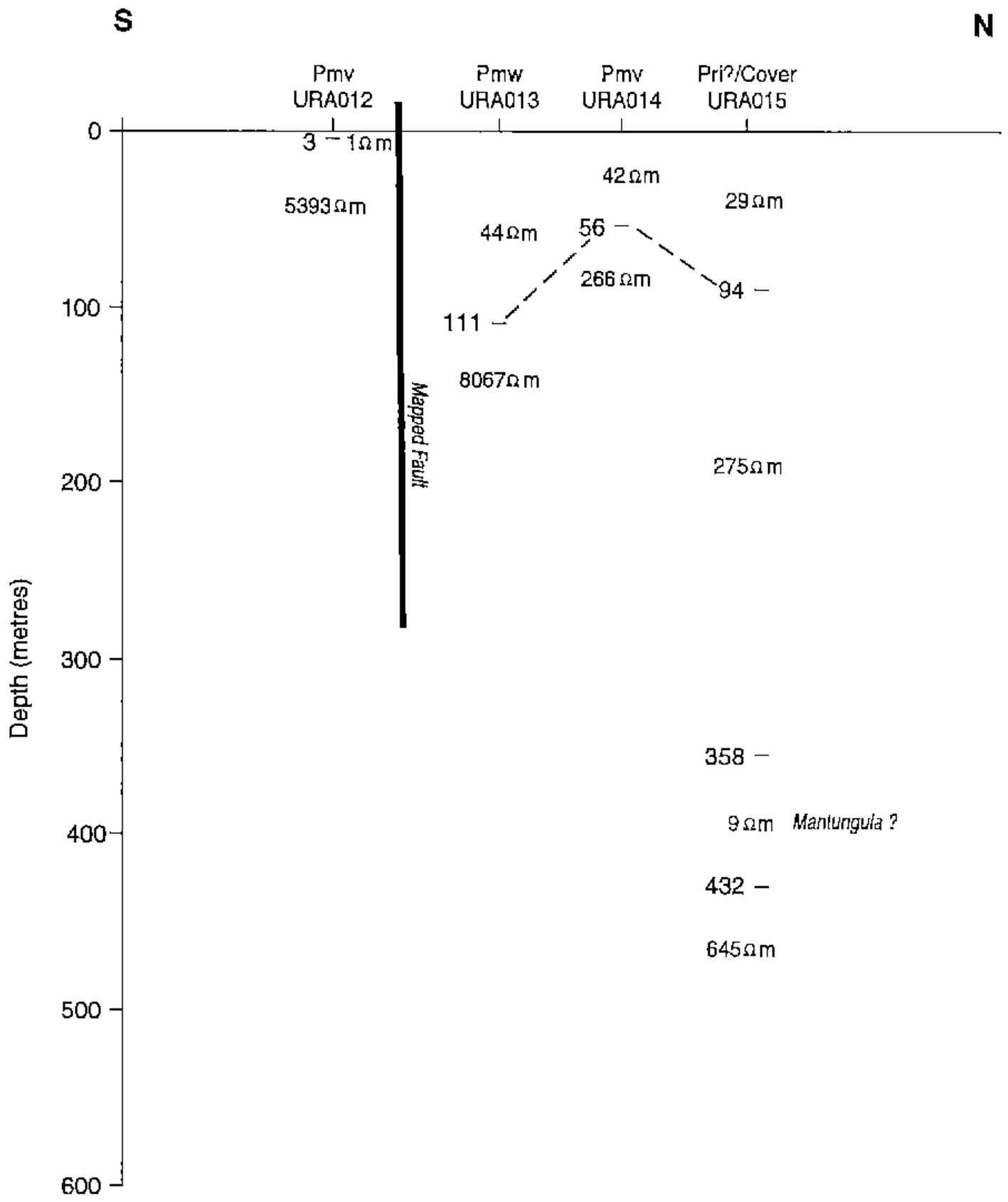
Prepared : C.Miller	BHP	Exploration - BHP Minerals BHP Minerals Pty Ltd, A.C.N 008 694 782	Centre : Perth
Drawn : R.J.Clark	EL 9076 - URAPUNGA SURVEY		Drg. No. : A4-6489
Date : 25.8.97	SOUNDING LOCATIONS SECTION C - C'		FIGURE 5
Revised :			



Cross Section - Line D-D'

Limmen Sandstone Pri
Mantungula Prn

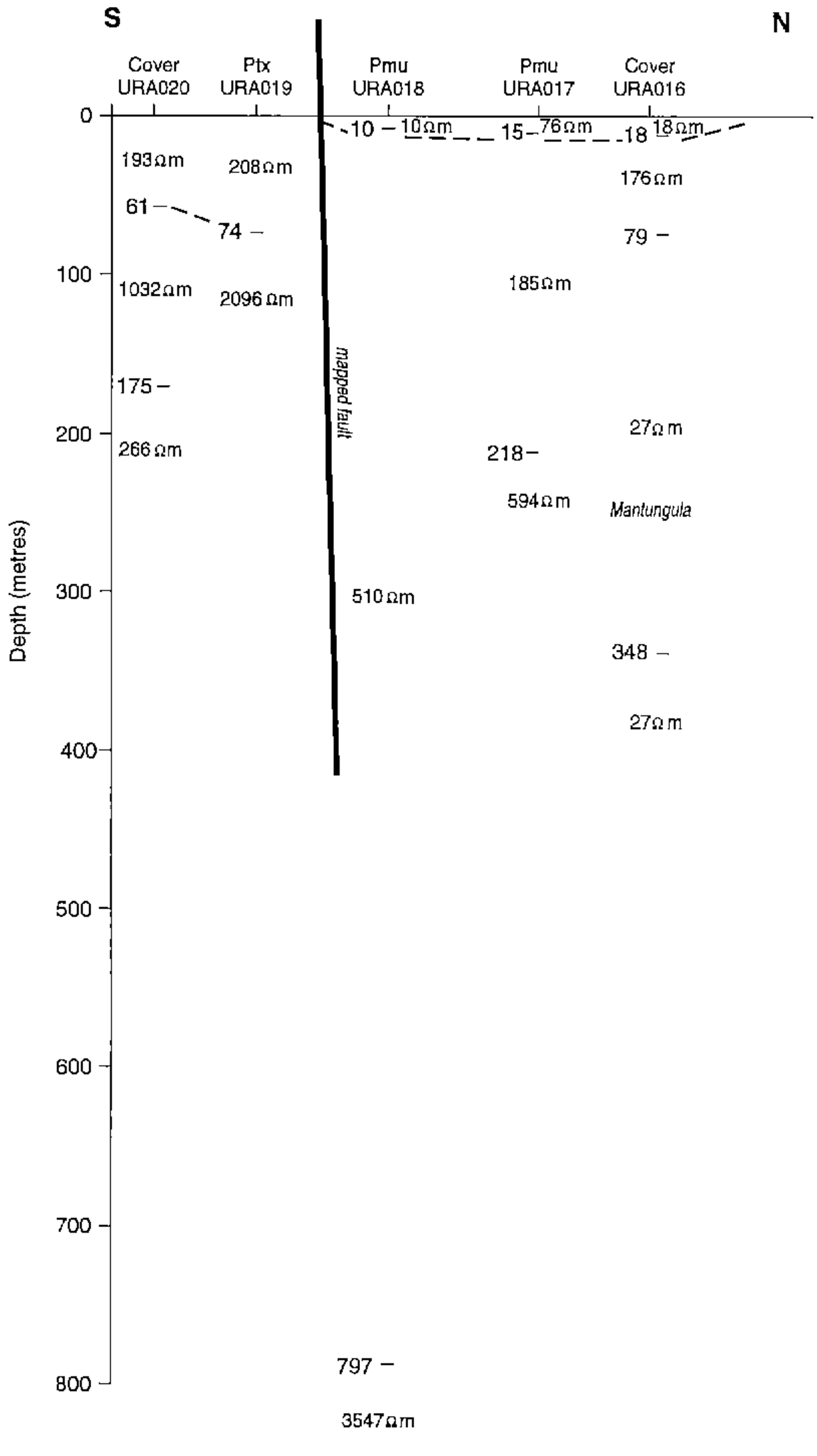
Prepared : C.Miller	BHP	Exploration - BHP Minerals BHP Minerals Pty Ltd., A.C.N. 008 694 782	Centre : Perth
Drawn : R.J.Clark	EL 9076 - URAPUNGA SURVEY		Drg. No. : A4-6490
Date : 25.8.97	SOUNDING LOCATIONS SECTION D - D'		FIGURE 6
Revised :			



Cross Section - Line E-E'

Limmen Sandstone	Pri
Mantungula	Prn
Yalwarra Volc Memb.	Pmw
Vizard Formation	Pmv

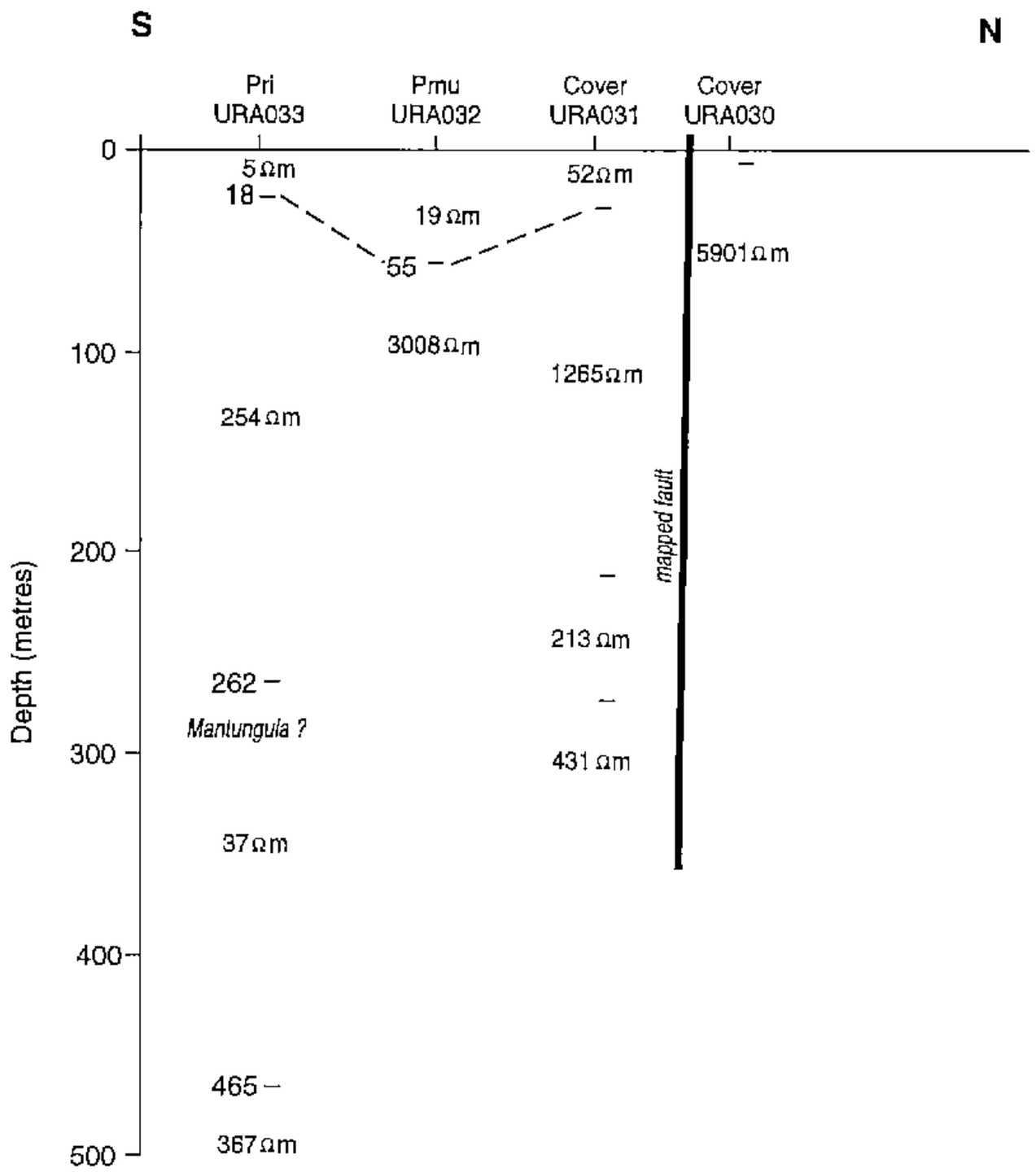
Prepared : C.Miller	BHP Exploration - BHP Minerals BHP Minerals Pty Ltd , A.C.N 008 694 782	Centre : Perth
Drawn : R.J.Clark	EL 9076 - URAPUNGA SURVEY	Drg. No. : A4-6491
Date : 25.8.97	SOUNDING LOCATIONS SECTION E - E'	FIGURE 7
Revised :		



Cross Section - Line F-F'

Kookaburra Creek	Pmu
Mt. Reid Beds	Ptx

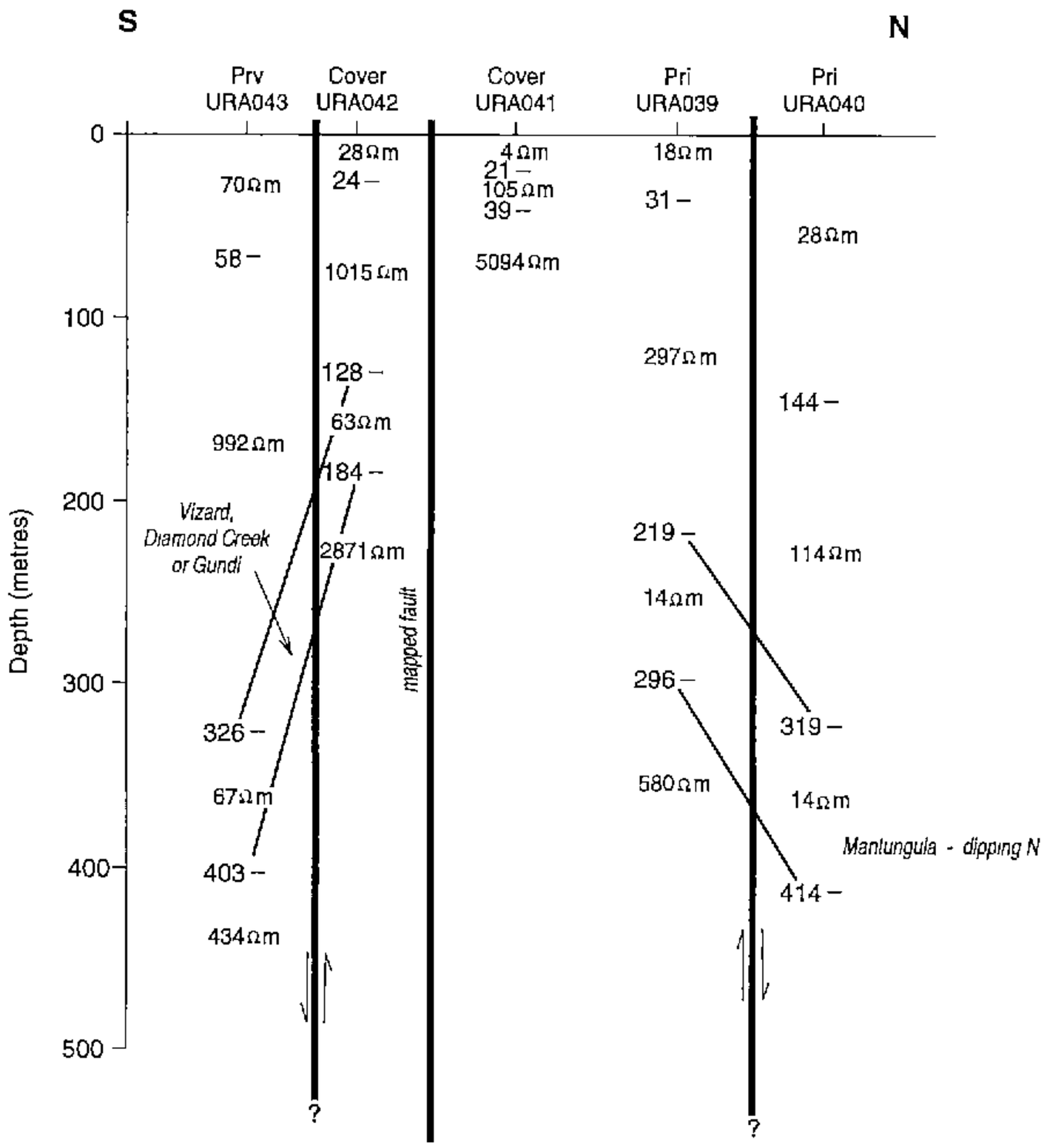
Prepared : C.Miller	BHP	Exploration - BHP Minerals BHP Minerals Pty Ltd , A C N 008 694 782	Centre : Perth
Drawn : R.J.Clark		EL 9076 - URAPUNGA SURVEY	Drg. No. : A4-6492
Date : 25.8.97		SOUNDING LOCATIONS SECTION F - F'	FIGURE 8
Revised :			



Cross Section - Line G-G'

Limmen Sandstone	Pri
Mantungula	Prn
Kookaburra Creek	Pmu

Prepared : C.Miller	BHP Exploration - BHP Minerals BHP Minerals Pty Ltd , A C N 008 694 782	Centre : Perth
Drawn : R.J.Clark	EL 9076 - URAPUNGA SURVEY	Drg. No. : A4-6493
Date : 25.8.97	SOUNDING LOCATIONS SECTION G - G'	FIGURE 9
Revised :		



Cross Section - Line H-H'

Limmen Sandstone	Pri
Kookaburra Creek	Pmu
Velkerri Formation	Prv

Prepared : C.Miller	BHP **Exploration - BHP Minerals** BHP Minerals Pty Ltd , A.C.N 008 694 762	Centre : Perth
Drawn : R.J.Clark	**EL 9076 - URAPUNGA SURVEY**	Drg. No. : A4-6494
Date : 25.8.97	**SOUNDING LOCATIONS SECTION H - H'**	FIGURE 10
Revised :		

contoured in Figure 11. In all cases, the conductive unit has been identified where the sounding site was located on Limmen Sandstone; hence, the conductor can be correlated with the inferred position of the Manatungula Formation, a known conductive unit at the base of the Roper Group which underlies Limmen Sandstone.

Evidence of thinning of the Roper Group on to the Urapunga Tectonic Ridge, which runs E-W through the tenement, can be seen at the western end of profile A (Figure 2) and at the southern end of profile C (Figure 4).

Another weak conductor (70-110 Ωm) is mapped at depth (320-330 m) at the eastern end of profile A (Figure 3) and also at the end of profile H (Figure 10) This conductor is tentatively correlated with either the Vizard Formation, Gundi Greywacke, or Diamond Creek Formation of the Katherine River Group.

No other conductors related to possible mineralization were identified. An image of the total conductance of each sounding shows an area of high total conductance (>10S) in the north and west of the survey area (Figure 12). This area corresponds to the inferred position of the Mantungula Formation at depth. Within the central area of the survey, very low conductance (<5S) indicates a lack of bedrock conductors in the area.

4. CONCLUSIONS AND RECOMMENDATIONS

No anomalous conductors were identified within the Protem soundings data collected on EL9076 at Mt Warrington. Of the bedrock conductors identified, one can be correlated with the Mantungula Formation at the base of the Roper Group. The other weak bedrock conductor is tentatively correlated with the Diamond Creek Formation at depth. No conductors representing possible base metal mineralization were identified in the survey area; hence, it is recommended that no further geophysical work is carried out on EL 9076 at Mt Warrington.

In the following year, systematic in-fill geochemical sampling will be carried out in order to determine the extent and magnitude of Pb and Ag anomalism (up to 2110 ppm Pb and 1.1 ppm Ag) identified in regional soil sampling across the Flying Fox Fault (Stephens, 1997). This and any associated follow-up work (e.g., mapping, possible

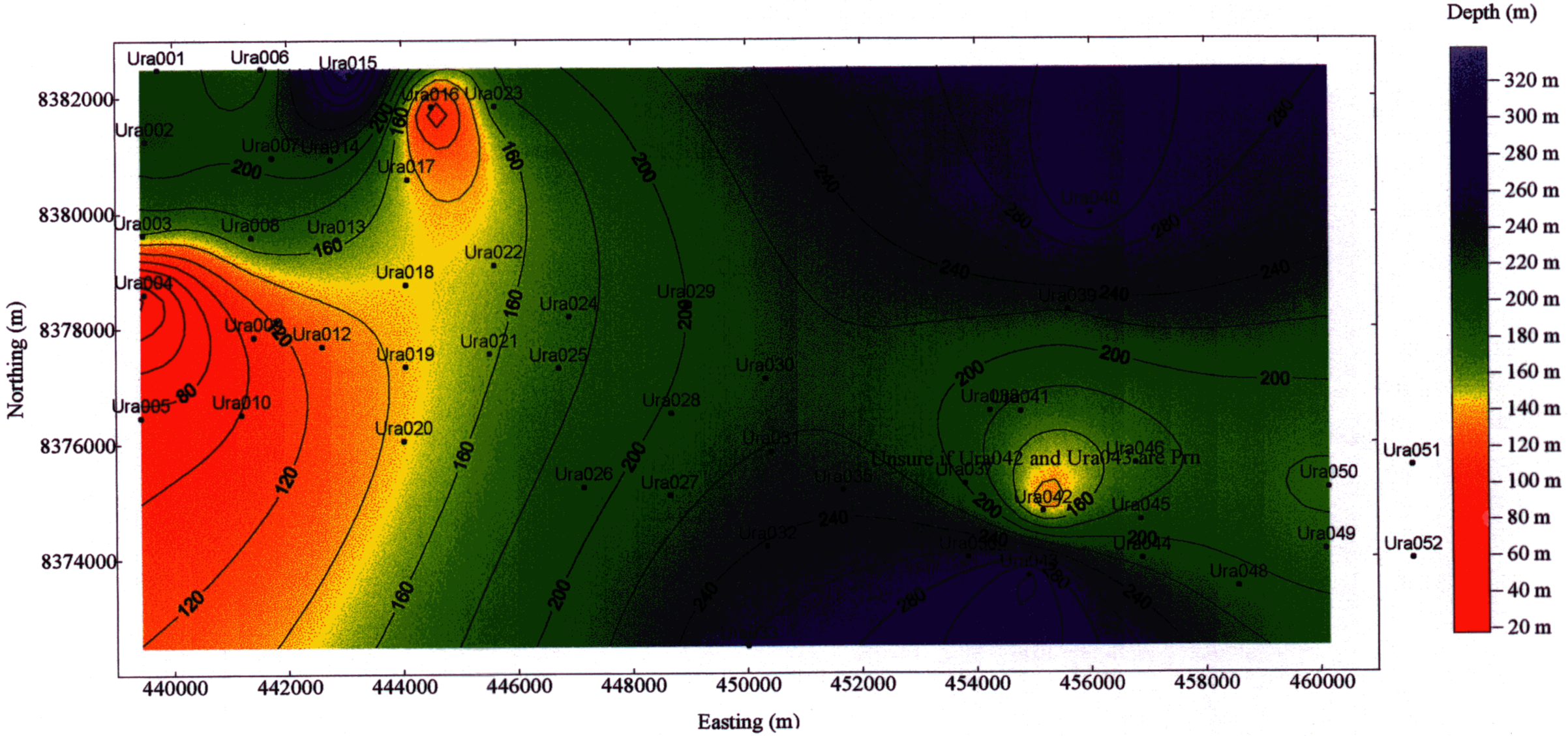


Figure 11: Depth to top of interpreted Mantungula Formation (Prn)
The stations shown are the stations in which Prn was identified

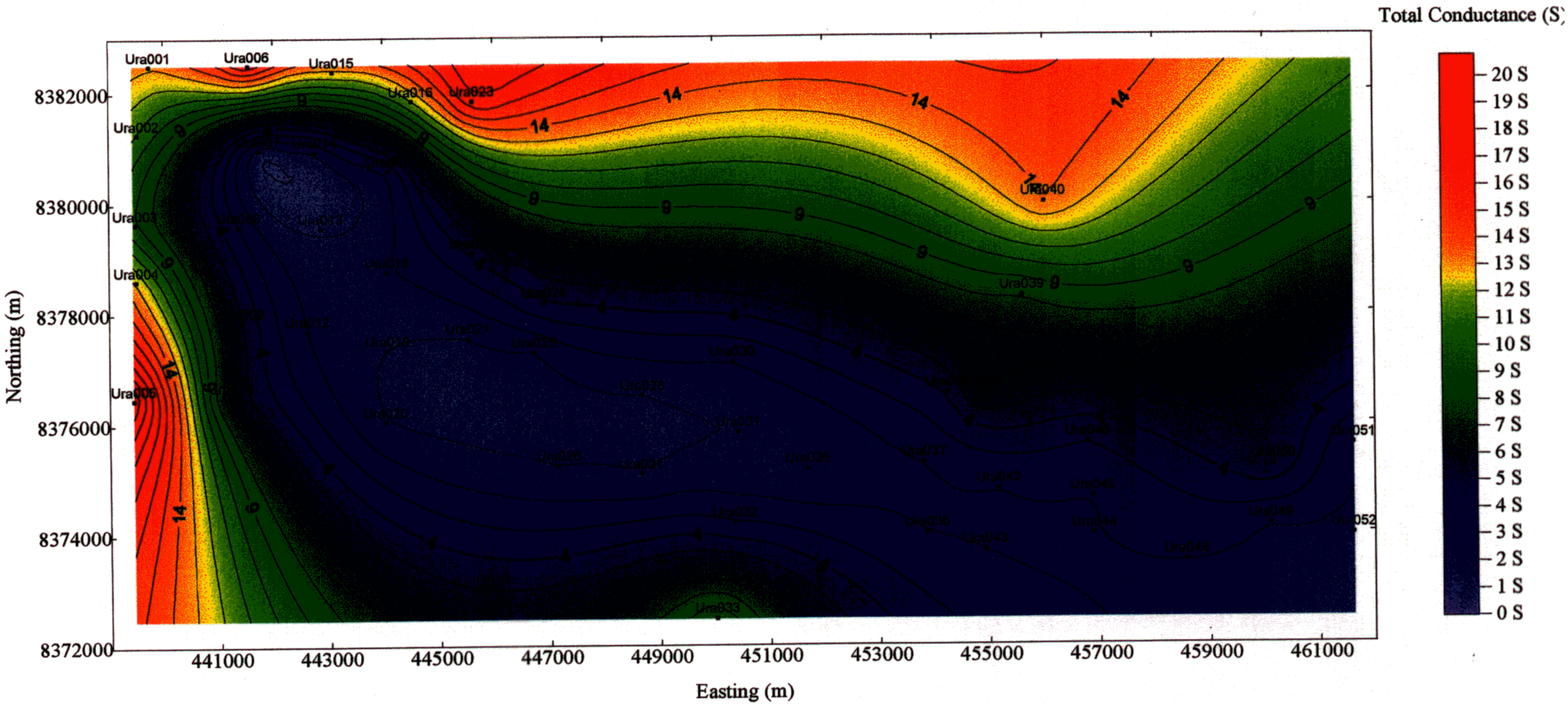


Figure 12: Total Conductance from Grend1 Inversions

drilling) will constitute the fourth year work program which is summarized in Appendix 3

5. REFERENCES

DUNN, P.R., 1963. 1:250,000 Geological Series Explanatory Notes Urapunga, N.T. Sheet SD53-10 BMR.

JACKSON, M.J., MUIR, M.D., and PLUMB, K.A., 1987. Geology of the Southern McArthur Basin, Northern Territory. BMR Bulletin 222.

PLUMB, K.A., 1988. Geology of the McArthur Basin (1:1,000,000 Scale Map). BMR Canberra.

STEPHENS, D.I., 1997. Annual report for the period ending 12 April 1997 Mt Warrington, Exploration License 9076, McArthur Basin, N.T. Northern Territory Mines Department Report.

APPENDIX 1

EXPENDITURE

E9076 - MOUNT WARRINGTON

13 APRIL 1997 to 12 APRIL 1998

Wages and Salaries	4,886
Field Support	1,914
Vehicles	1,829
Geophysics	33,615
Office Expenses	107
Consultants	841
Computer Expenses	530
In-House Services:	
Geophysics	6,425
Drafting	1,743
Sub-Total	**51,890**
20% of Total for Corporate Overheads	10,378
TOTAL	**$62,268**

REF: FGRIC\NON CONFIDENTIAL\EXPENDITURE\1ANNUAL/1998/ MT WARRINGTON 9076 DOC

APPENDIX 2

GRENDL INVERSIONS FOR PROTEM SOUNDINGS

Site	East	North	East GTX GPS	North GTX GPS	CH 4 25Hz	CH 10 25Hz
Ura001	439750	8382500	439737	8382503	5.76E+03	2.04E+02
Ura002	439500	8381250	439517	8381256	5.75E+03	2.32E+02
Ura003	439500	8379650	439477	8379638	6.95E+02	8.97E+01
Ura004	439500	8378000	439492	8378600	9.85E+03	9.06E+02
Ura005	439500	8376500	439431	8376464	8.83E+03	5.78E+02
Ura006	441500	8382500	441540	8382511	4.37E+03	8.38E+01
Ura007	441700	8380900	441723	8380970	2.27E+04	6.36E+02
Ura008	441350	8379600	441360	8379594	3.10E+02	4.47E+01
Ura009	441350	8377800	441405	8377857	6.38E+03	4.42E+02
Ura010	441100	8376500	441188	8376520	1.01E+04	1.84E+03
Ura012	442500	8377700	442590	8377696	6.33E+03	1.74E+02
Ura013	442800	8379500	442851	8379559	1.02E+03	3.34E+01
Ura014	442700	8380900	442748	8380940	1.98E+03	5.99E+01
Ura015	443050	8382400	443077	8382393	3.60E+03	2.26E+02
Ura016	444450	8382100	444510	8381850	3.02E+03	1.84E+02
Ura017	444000	8380550	444085	8380600	1.13E+03	3.83E+01
Ura018	444000	8378800	444052	8378761	2.37E+02	9.01E+00
Ura019	444050	8377350	444048	8377343	1.13E+02	2.67E+00
Ura020	444000	8376050	444010	8376061	5.77E+01	2.71E+00
Ura021	445550	8377600	445511	8377563	1.13E+03	1.25E+01
Ura022	445600	8378800	445600	8379100	3.49E+03	3.09E+01
Ura023	445500	8382000	445615	8381854	6.18E+03	2.51E+02
Ura024	446900	8378200	446900	8378200	8.23E+03	4.97E+02
Ura025	447150	8377300	446713	8377312	3.58E+02	7.32E+00
Ura026	447150	8375250	447150	8375250	1.13E+03	1.54E+01
Ura027	448650	8375100	448650	8375100	3.92E+03	5.58E+01
Ura028	448650	8376550	448679	8376523	4.41E+02	1.40E+01
Ura029	448950	8378400	448950	8378400	5.92E+03	2.97E+02
Ura030	450300	8377300	450326	8377120	1.28E+04	4.48E+02
Ura031	450450	8375850	450420	8375858	4.40E+02	1.21E+01
Ura032	450250	8374350	450350	8374213	7.89E+03	2.64E+02
Ura033	450150	8372550	450006	8372491	1.09E+04	1.02E+03
Ura035	451700	8375200	451676	8375185	4.64E+02	1.65E+01
Ura036	453750	8374000	453844	8374015	2.62E+03	4.48E+01
Ura037	453800	8375300	453795	8375297	3.33E+03	7.71E+01
Ura038			454237	8376559	3.49E+02	6.25E+00
Ura039	455600	8378300	455600	8378300	5.93E+03	1.58E+02
Ura040	456000	8380000	456000	8380000	4.29E+03	8.43E+02
Ura041	454700	8376600	454772	8376544		1.75E+02
Ura042	455200	8374800	455152	8374809	1.30E+03	3.78E+01
Ura043	454900	8373600	454901	8373700	8.19E+02	2.41E+01
Ura044	456850	8374000	456877	8373985	9.51E+02	1.71E+01
Ura045	456850	8374800	456858	8374663	1.01E+03	1.46E+01
Ura046	456750	8375650	456768	8375650	3.75E+03	1.07E+02
Ura048	458550	8373500	458550	8373500	2.55E+02	6.77E+00
Ura049	460100	8374200	460084	8374146	2.35E+03	6.25E+01
Ura050	460050	8375200	460135	8375225	2.69E+03	9.50E+01
Ura051	461600	8375600	461600	8375600	5.65E+03	1.75E+02
Ura052	461600	8374000	461602	8373973	1.59E+03	4.90E+01

Site	CH 14 25Hz	CH 18 25Hz	6.25/25Hz Grendl	Layer2 depth to top
Ura001	1.69E+01	1.68E+00	6.25	27.1
Ura002	2.01E+01	2.10E+00	6.25	50.5
Ura003	1.68E+01	1.79E+00	6.25	163
Ura004	9.61E+01	7.64E+00	6.25	12.5
Ura005	6.06E+01	6.02E+00	6.25	32.7
Ura006	1.03E+01	1.48E+00	6.25	37.4
Ura007	2.51E+01	6.39E-01	25	2
Ura008	5.04E+00	3.45E-01	25	16.3
Ura009	3.34E+01	1.36E+00	25	78.3
Ura010	9.58E+01	2.89E+00	25	12.3
Ura012	4.11E+00	-6.24E-02	25	2.7
Ura013	1.84E+00	3.07E-02	6.25	111
Ura014	3.44E+00	1.60E-01	25	55.7
Ura015	1.47E+01	1.42E+00	6.25	93.8
Ura016	2.47E+01	2.63E+00	25	17.8
Ura017	2.24E+00	1.27E-01	25	15.2
Ura018	6.77E-01	3.92E-02	25	9.6
Ura019	3.76E-02	-1.17E-02	25	79.3
Ura020	2.83E-01	2.85E-02	25	61.2
Ura021	4.48E-01	8.98E-03	6.25Hz	18.5
Ura022	2.06E+00	1.38E-01	25	2.8
Ura023	2.25E+01	2.55E+00	25	23.1
Ura024	3.15E+01	7.50E-01	6.25	43.4
Ura025	4.22E-01	-2.93E-03	25	53.2
Ura026	8.58E-01	5.81E-02	25	5.8
Ura027	1.55E+00	6.08E-02	25	2.3
Ura028	7.10E-01	3.45E-02	25	58.9
Ura029	2.01E+01	9.44E-01	6.25	41.7
Ura030	1.04E+01	2.05E-01	25	1.7
Ura031	9.53E-01	7.04E-02	25	29.2
Ura032	1.50E+01	3.91E-01	6.25	55
Ura033	4.67E+01	2.22E+00	6.25	18.2
Ura035	1.26E+00	8.57E-02	25	54.9
Ura036	2.76E+00	1.09E-01	25	6.7
Ura037	2.91E+00	7.76E-02	25	31.6
Ura038	1.01E-01	-2.79E-02	25	67.8
Ura039	1.54E+01	1.54E+00	6.25	35.5
Ura040	2.85E+01	2.36E+00	6.25	144
Ura041	6.78E+01	2.22E+00	6.25	21.5
Ura042	2.45E+00	5.49E-02	25	23.5
Ura043	1.67E+00	8.55E-02	25	67.8
Ura044	1.06E+00	3.93E-02	25	19.6
Ura045	9.63E-01	4.21E-02	25	3.6
Ura046	5.85E+00	2.33E-01	25	5
Ura048	7.98E-01	5.31E-02	25	34.8
Ura049	2.11E+00	3.40E-02	25	58.2
Ura050	1.01E+01	6.25E-01	25	38.9
Ura051	8.81E+00	4.12E-01	25	28.8
Ura052	2.31E+00	4.37E-02	25	90

Site	Layer3 depth to top	Basement depth to top	Layer1 ohmm	Layer2 ohmm
Ura001	206	493	15.2	98.3
Ura002	219	323	19.9	181
Ura003	275		77.4	17.2
Ura004	203		6.3	17.2
Ura005	86.7	389	11.1	43.4
Ura006	185	569	23.6	405
Ura007			1	
Ura008	172	208	44.1	1399
Ura009	102		17.9	87.5
Ura010			2.2	
Ura012			1	
Ura013			79.2	
Ura014			42	
Ura015	351	432	29.2	275
Ura016	78.8	348	18	176
Ura017	218		26	185
Ura018	797		32	510
Ura019			208	
Ura020	175		139	1032
Ura021			20.5	
Ura022			2.8	
Ura023	173	425	11.4	106
Ura024			12	
Ura025			92.7	
Ura026	368		7.4	3169
Ura027			1.8	
Ura028	263		112	305
Ura029	211		19.8	65
Ura030			0.71	
Ura031	214	277	51.8	1265
Ura032			18.8	
Ura033	262	465	4.5	254
Ura035			93.4	
Ura036	272		7	326
Ura037			20.3	
Ura038			17.6	
Ura039	219	296	18	297
Ura040	319	414	27.6	114
Ura041	39		4	105
Ura042	128	184	27.8	1015
Ura043	326	403	69.9	992
Ura044	326	425	25.1	1953
Ura045	384	477	4.9	4874
Ura046	242		4.5	148
Ura048	420	593	78.3	999
Ura049			37.1	
Ura050	174	221	26.4	703
Ura051			14.3	
Ura052			56	

Appendix2

Site	Layer3 ohmm	Basement ohmm	Siemens	Std Error %	Corrected?
Ura001	30.3	69.3	13	2	NO
Ura002	14.3	427	11	1.2	NO
Ura003		1005	9	1.9	NO
Ura004		973	13	3.5	NO
Ura005	17.9	361	21	1.8	NO
Ura006	25	799	17	3.2	YES
Ura007		2169	0	25%	YES
Ura008	14.8	338	3	2.7	NO
Ura009		1721	5	0.8	YES
Ura010		1855	6	0.6	YES
Ura012		5393	2	0.6	YES
Ura013		8087	1	1.3	YES
Ura014		266	1	2.1	YES
Ura015	9.6	645	13	2.2	NO
Ura016	26.7	369	12	1	NO
Ura017		594	2	3.3	NO
Ura018		3547	2	6.4	NO
Ura019		2094	1	2.3	NO
Ura020		266	1	2.8	NO
Ura021		1000	1	0.7	YES
Ura022		628	1	0.4	YES
Ura023	19	889	17	1.4	YES
Ura024		2883	4	1.1	YES
Ura025		1331	1	5.7	NO
Ura026		414	1	2.2	NO
Ura027		6918	1	4.4	NO
Ura028		7526	1	1.2	NO
Ura029		1810	5	1.6	NO
Ura030		5901	2	0.8	YES
Ura031	213	431	1	2.7	NO
Ura032		3008	3	1.1	YES
Ura033	37.5	362	10	1	YES
Ura035		377	1	3.1	NO
Ura036		995	2	2.5	YES
Ura037		2185	2	4.7	NO
Ura038		2437	4	1	YES
Ura039	13.5	580	8	1.2	NO
Ura040	13.7	987	14	0.8	NO
Ura041		5094	6	11.7	YES
Ura042	62.9	2871	2	7	NO
Ura043	66.9	734	2	1.9	YES
Ura044	102	1973	2	3.1	YES
Ura045	101	2321	2	5.3	NO
Ura046		1466	3	2.9	NO
Ura048	109	1688	2	1.9	YES
Ura049		743	2	2	YES
Ura050	12.7	1959	5	3.9	YES
Ura051		287	2	3.8	NO
Ura052		5342	2	0.4	YES

Site	Comments	Depth to Prn
Ura001		
Ura002		219
Ura003		163
Ura004		13
Ura005		87
Ura006		
Ura007	very resistive ground, poor fit.	
Ura008		172
Ura009		
Ura010		
Ura012		
Ura013		
Ura014		
Ura015		351
Ura016		
Ura017		
Ura018	6.25Hz data very noisy	
Ura019		
Ura020		
Ura021	6.25Hz data very noisy	
Ura022		
Ura023		173
Ura024		
Ura025		
Ura026		
Ura027		
Ura028		
Ura029		
Ura030	extremely resistive ground	
Ura031		
Ura032		
Ura033		262
Ura035		
Ura036		
Ura037		
Ura038		
Ura039		219
Ura040		319
Ura041	poor quality data	
Ura042		
Ura043		
Ura044		
Ura045		
Ura046		
Ura048		
Ura049		
Ura050		174
Ura051		
Ura052		

APPENDIX 3

PROPOSED WORK PROGRAM

EL9076 - MOUNT WARRINGTON

Proposed work Program - 13/04/98 to 12/04/99

1 Systematic in-fill soil and lag geochemistry

2 Geological reconnaissance and mapping

3 Detailed follow-up of significant geochemical anomalies, including possible drilling

Proposed Expenditure

1	Geochemical sampling (300 samples)	$7,000
2.	Geological reconnaissance	$2000
3.	Data interpretation.	$2000
4.	Possible detailed follow-up	$5000
TOTAL		**$14,000**