

NEWMONT TANAMI PTY LTD

FINAL REPORT FOR EL 10013 (ANTELOPE)

for the period **20/02/2002** to **15/07/2004**

Barrow Creek Joint Venture NORTHERN TERRITORY

Volume 1 of 1

1:250,000 SHEET: Lander River SF53-01

Bonney Well SF53-02 Mt Peake SF53-05 Barrow Creek SF53-06

1:100,000 SHEET: Conical Hill 5555

Jarrah Jarrah 5556 Crawford 5655 Numagalong 5656

AUTHOR: F. Parker

TENEMENT HOLDERS: Newmont Tanami Pty Ltd

Newmont Gold Exploration Pty Ltd

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Resource Development

Newmont Australia

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30TH SEPTEMBER 2004 NEWMONT CR 31701

SUMMARY

This is the final report for the EL 10013 Antelope. As such, it details all exploration activity conducted over the project licences during the tenure from grant (20th February 2002 to when it was surrendered on 15th July 2004).

The area covered, located approximately 300km north of Alice Springs, is being explored for economic gold mineralisation.

Exploration activities conducted over the reporting period comprised:

EL	BCL	LAG	AC	m	samples
EL10013 (Antelope)	50	3	8	471	157

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1 INTRODUCTION

This document is the final report to be completed for the EL 10013 Antelope It describes exploration activities associated with the exploration licence. The document reports on exploration activity covering the period of tenure from grant (20th February 2002) through to when it was surrendered on 15th July 2004.

2 LICENCE DETAILS

Newmont Gold Exploration Pty Ltd (Newmont) and Yuendumu Mining Company NL (YMC) hold the BCJV licences under the terms of the Barrow Creek Joint Venture (BCJV). The tenement was managed by Newmont Exploration.

TABLE 1: Tenement Summary for BCJV Exploration Licences

Licence	ce Detail Date Blocks		Blocks	Km ²	Title Holder
	Grant:	20/02/2002	48	154	
EL10013	First Relinquishment:	19/02/2004	20	89.5	100% Newmont Gold Exploration Pty Ltd
	Final Relinquishment:	15/07/2004			, and grant

^{*} blocks/areas relinquished or surrendered

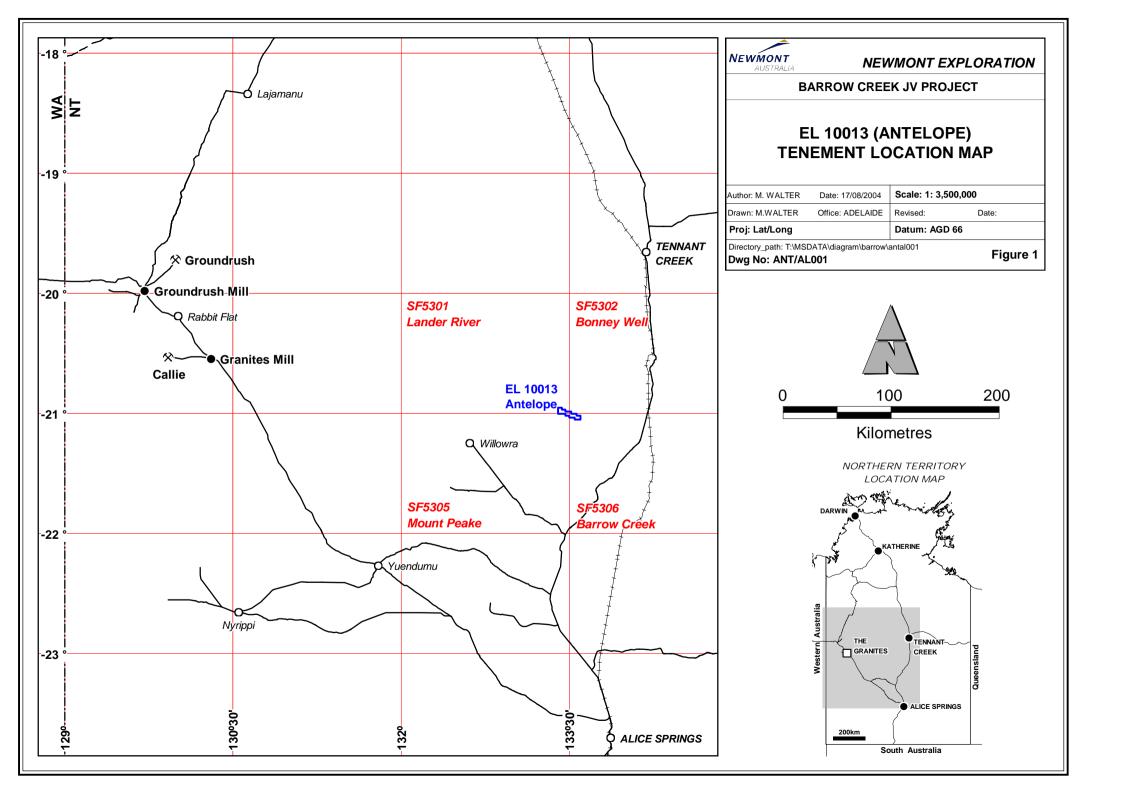
2.1 LOCATION, ACCESS & PHYSIOGRAPHY

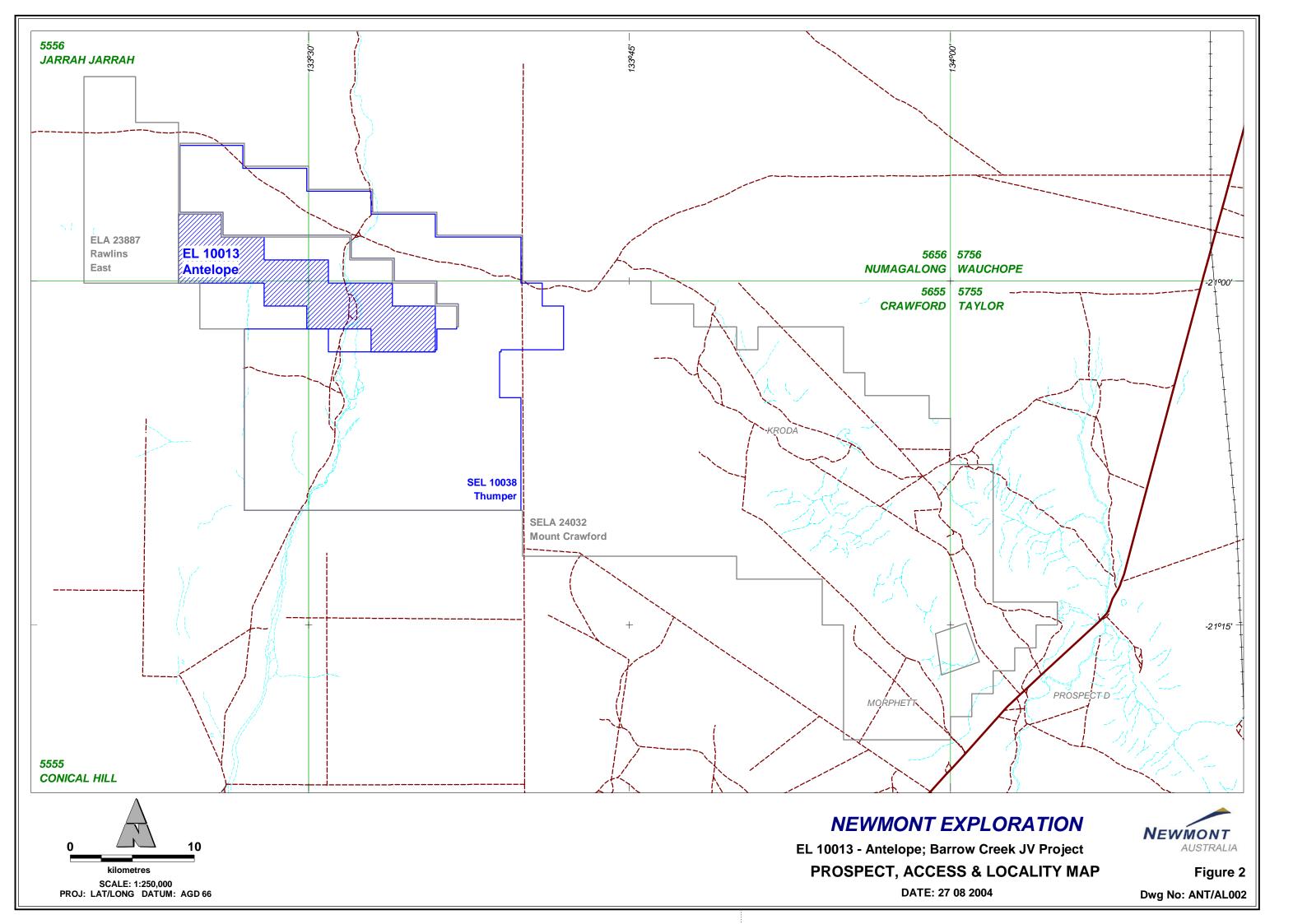
EL 10013 is located approximately 300km north of Alice Springs and 65km northwest of Barrow Creek.

Access from Barrow Creek is via the Stuart Highway to the north and then using numerous station tracks of variable but generally good quality. The licences are located on the Stirling and Neutral Junction stations (NT Portion 655 & NT POR. 3375 respectively).

The licence is covered by sandy plains with out dunes but vegetated by thick clumps of mulga, (Haines, P.W. et al., 1991). The Hanson River drains the western part of the plains.

The eastern portion of the licence is bordered to the east and west by the northwest\southeast trending Crawford and Osborne Ranges. These ranges are composed of steeply dipping sandstone.





3 HISTORY OF AREA

3.1 PRE-NEWMONT

Exploration at Barrow Creek has historically been largely for base metals, gold and Sn/W/Ta deposits. Within the Crawford, Osborne and Watt Range areas, numerous copper workings can be found, including Home of Bullion and Petricks. The area to the south of the Crawford Range has been the site of the majority of tin, tungsten and tantalum workings, most being small, low tonnage operations.

Kewanee Australia Pty Ltd undertook a broad exploration program between 1970-1974 within the Crawford-Osborne Range area. Several targets were delineated by a combination of airborne magnetics, radiometrics and EM survey techniques. Targets generated by this method were followed up with geological mapping, sampling and a combination of percussion, reverse circulation and diamond drilling. This work delineated a sub-economic Cu-Ni resource (Prospect D), but grade was considered too low to warrant further investigation, and the ground was relinquished in 1973.

Limited exploration was conducted by Australis Mining NL during 1969, for base metal potential in the Crawford Range area. Pegmatites, granites and metadolerites were targeted with disappointing results.

More recently, Aberfoyle Ltd has explored for firstly base metal mineralisation, and thereafter, gold mineralisation in the Home of Bullion area.

3.2 NEWMONT EXPLORATION

Newmont (and its precursor companies) has had an exploration presence in the Barrow Creek area since 1988. Work over this time has included reconnaissance techniques such as soil sampling and vacuum and RAB drilling as well as detailed aeromagnetic/radiometric surveys, regional ground-based gravity surveys and detailed regional regolith mapping.

Detailed prospect evaluation work has also been conducted, including reverse circulation and diamond drilling as well as prospect-based IP surveys.

The gold-mineralised prospects Kroda (8m @ 11.72g/t Au in RC drilling), NW Petricks (6m @ 1.6g/t Au in RC drilling) and Tiptoe (3m at 2.34 g/t in RC drilling) were discovered within the bounds of SEL22042 while the Morphett gold mineralised prospect (several metres at several g/t in RAB drilling) was found within EL7928.

In 1999 although no exploration activities were permitted, an extensive program was undertaken to rehabilitate sites of previous exploration drilling activities. PVC collars were cut back below the surface and sealed with concrete plugs.

An independent geological consultant was contracted to provide an approximate resource calculation for the Kroda C5 gold mineralised prospect. As the majority of drilling into the prospect is RAB, the dataset is not of sufficient quality to report to the public. The resource estimate was undertaken in order to give Normandy NFM an independent assessment of the scope and potential of the prospect.

4 GEOLOGY

4.1 REGIONAL GEOLOGY

The oldest exposed basement in central Australia comprises metamorphic and igneous rocks of the Arunta Inlier (Haines et al., 1991). Rocks of the Arunta Inlier are interpreted as being at least partly correlative with sedimentary and volcanic sequences of the adjacent Tennant Creek and Granites-Tanami Inliers.

The Arunta Inlier (Early-Middle Proterozoic) is characterised by metamorphosed sedimentary and igneous rocks of low to medium pressure facies. Deformation and regional metamorphism to upper greenschist facies took place between 1810-1750 Ma (Black, 1981). Shaw and Stewart (1975) established three broad stratigraphic subdivisions based on facies assemblages and lithological correlations. From oldest to youngest, these subdivisions are named Division 1, 2 and 3. Using this model defined by Shaw and Stewart (1975), the orthogneiss east of Osborne Range, the calc-silicate rocks west of Crawford Range and the Bullion Schist would be included in Division 2, and the Ledan Schist in Division 3 of the Arunta Inlier.

Unconformably overlying these rocks are the Hatches Creek Group sediments and volcanics. Blake et al. (1987) formally subdivided the Group into the Ooradidgee, Wauchope and Hanlon Subgroups, comprising a total of 20 Formations and two Members. The Hatches Creek Group is a folded sequence of shallow-water sediments with interbedded volcanic units which reach thicknesses of at least 10,000 metres.

The sediments include ridge-forming quartzites, felspathic, lithic and minor conglomeratic arenites and friable arenite, siltstone, shale and carbonate. The Ooradidgee Subgroup consists mainly of fluvial sediments and sub-aerial volcanics which partly interfinger. The Wauchope Subgroup is characterised by large volumes of volcanics and sediments probably both marine and fluvial in origin. The Hanlon Subgroup may be entirely marine and lacks volcanics (Blake et al., 1987).

Deformation and regional metamorphism took place between 1810-1750 Ma (Black, 1981). Folding was about NW trending axes while metamorphism to upper greenschist facies took place. Later intrusion of both the Arunta basement and the Hatches Creek Group by granitoids of the Barrow Creek Granitic Complex took place around 1660 Ma (Blake et al., 1987). Contact metamorphism and metasomatism are often observed.

Sedimentation associated with the Georgina Basin commenced during the Late Proterozoic with the Amesbury Quartzite and was terminated during the Early Devonian after deposition of the Dulcie Sandstone. The Georgina Basin sequence was mildly affected by the Carboniferous Alice Springs Orogeny.

A long erosional period followed with subsequent deep weathering during the Tertiary produced silcrete and ferricrete horizons. A veneer of Quaternary sands and soils overlays much of the area, except where recent and active alluvial sedimentation is present.

4.2 LOCAL GEOLOGY

Surface geology within EL 10013 consists of thick cover in wash out areas, however on average there is 2-6m of soil cover. The dominant rock type includes micasericite schist, interpreted to be part of the Bullion Schist Formation, along with feldspathic and quartz-rich arenites of the Gwynne Sandstone, and intruding granites. A strong NW-SE foliation is observed in the region paralleled by numerous quartz veins. The reader is referred to Mujdrica, 1995b for a geological map of the licence area.

Residual soil and aeolian sand predominantly cover the C1 to C5 anomalies. Dominant rock types include quartz-mica schist with andalusite porphyroblasts (Bullion Schist) and amphibolite lenses, which appear conformable with the schist. Numerous quartz veins parallel S1 schistosity and fracture cleavage planes. The quartz veins are chalcedonic, usually highly fractured and locally gossanous.

Sheared quartz-mica schist (Bullion Schist) and locally epidotised amphibolite dominate NW Petricks. The amphibolite appears conformable to the schist unit as it parallels the S1 schistosity. Bullion Schist outcrops prominently in the area intruded by granite and diorite sills. A highly silicified porphyritic rhyolite with abundant quartz stockwork veining (Mt Strzelecki Volcanics) is also present in the area.

5 EL 10013 - WORK COMPLETED

5.1 RECONNAISSANCE

5.1.1 Surface Sampling

A surface sampling program comprising 50 Lag samples and 3 soil samples was completed within the EL, see Figure 3 for sample locations. Lag sample locations were targeted to follow up previously reported low level As anomalism. Soil sampling targeted areas mapped as Lander Rock Beds, these are considered prospective host units for gold mineralisation.

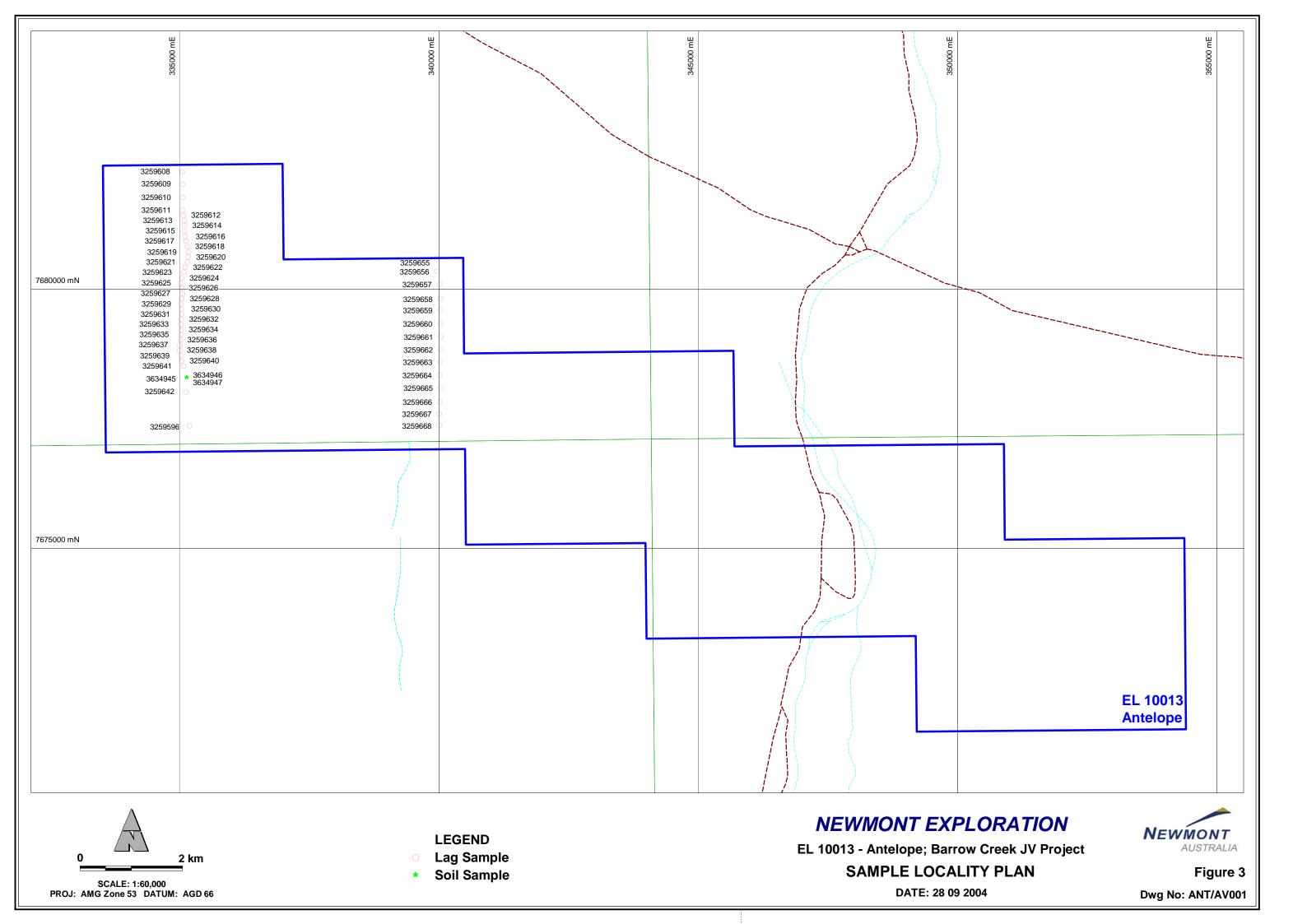
Samples were sent to Genalysis and analysed using B/EETA (Au), A/MS (Ag, As, Bi, Mo, Pb, Sn, Sb, Th, U, W) and A/AAS (Co, Cu, Fe, Ni, Zn) as detailed in Table 2 below.

Results were generally low, < 1ppb Au.

TABLE 2: EL 10013 - LAG and Soil Sample Details.

Sample Type	No of Samples	Sample Numbers	Elements Analysed	Genalysis Method
			Au	B/EETA
LAG	LAG 50 3259596, 3259608- 3259642, 3259655- 3259668	3259642, 3259655-	Ag, As, Bi, Mo, Pb, Sn, Sb, Th, U, W	A/MS
			Co, Cu, Fe, Ni, Zn	A/AAS
		Au	B/EETA	
Soil	3	3634945-3634947	Ag, As, Bi, Mo, Pb, Sn, Sb, Th, U, W	A/MS
			Co, Cu, Fe, Ni, Zn	A/AAS

5.1.2



Aircore Drilling

Aircore drilling was undertaken within the EL to test previously reported soil anomalism and to provide a better understanding of the regolith and base rock geology within the licence area. Drillhole locations are plotted in Figure 4.

A total of 8 drillholes for 471m and 163 samples were completed, see Table 3 for program details. Drillholes were drilled at a 60° dip and to a maximum depth of 60m. Samples were sent to ALS for analysis using Au-GF42 and ME-ICP43, see Table 4 for details.

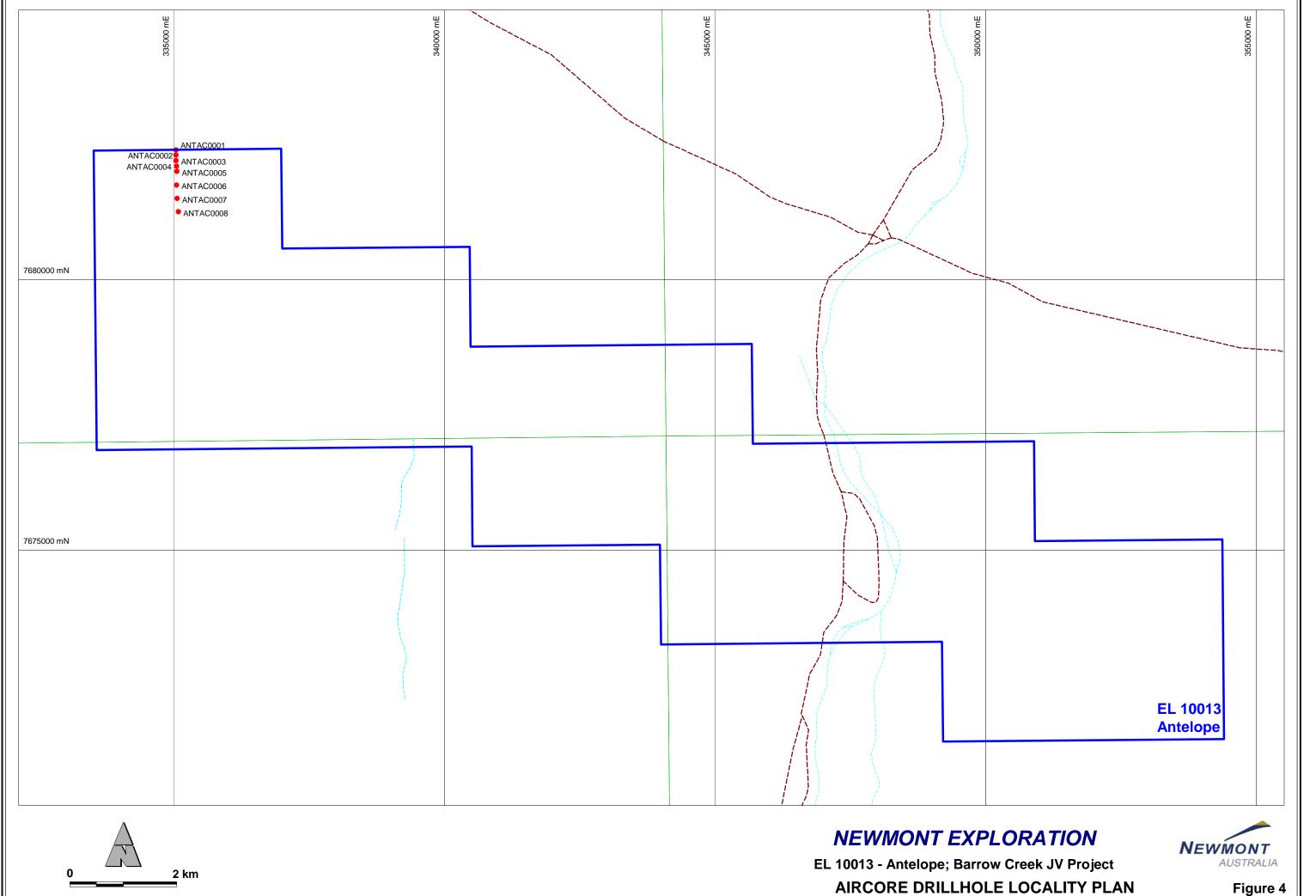
Overall results were generally <1ppb Au.

TABLE 3: EL 10013 - Drillhole Collar Details.

Drillhole Type	Drillhole ID	No. Holes	Metres	Dip
Aircore	ANTAC0001- ANTAC0008	8	471	-60°

TABLE 4: EL 10013 - Drillhole Sample Details.

Sample Type	Sample ID	No. Samples	Elements Analysed	Genalysis Method
Aircore	3180534- 3180600	157	Au	Au-GF42
Aircore	3180701- 3180796	157	As, Bi, Cu	ME-ICP43



SCALE: 1:60,000 PROJ: AMG Zone 53 DATUM: AGD 66

AIRCORE DRILLHOLE LOCALITY PLAN

DATE: 29 09 2004

Dwg No: ANT/AV002

6 EXPENDITURE INCURRED FOR THE REPORTING PERIOD

A summary of exploration expenditure for the final year of tenure is tabled below.

TABLE 5: Details of Exploration Expenditure for the period 20/02/2002 to 15/07/2004

COST CENTRE	Expenditure (\$)
Employee Costs	2964
Overheads	1348
Assays	151
Operating Costs	1051
Tenements	3460
TOTAL	8974

7 REFERENCE LIST/ANNUAL REPORT BIBLIOGRAPHY

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Appendix 2

Northern Territory Department of Business, Industry & Resource Development

REPORT METADATA FORM (MINERAL EXPLORATION)

PART A (DME USE ONLY)

Author(s)

Corporate Author(s)

Maps 1: 250 000

Maps 1: 100 000

Report Number	Date Received						
Collation	pp figs		logs	logs ma		apps.	
Media	CDs	1.5"	Exab.	DLT		vols.	
PART B							
Tenure Number(s)	EL 10013		Company Report Number		31701		
Report Date	September 2	004	Anniversary Dat	ie.	31/03/**		
Group Project Name	Barrow Creek						
Report Title	Final report for EL 10013 for the period 20/02/2002 to 08/12/2003						

Te	ctonic Units				
0	Amadeus Basin		Carpentaria Basin	McArthur Basin	Pine Creek Inlier
	Arafura Basin		Daly Basin	Money Shoal Basin	Simpson Basin

5655

SF53-02

SF53-05

5656

F. Parker

SF53-01

5555

Newmont Gold Exploration

5556

SF53-06

	Arnhem Inlier		Dunmarra Basin		Murphy Inlier		South Nicholson Basin
✓	Arunta Inlier		Eromanga Basin		Musgrave Block		Tennant Creek Inlier
	Birrindudu Basin		Fitzmaurice Mobile Zone		Ngalia Basin		Victoria Basin
	Bonaparte Basin		Georgina Basin		Ord Basin		Warburton Basin
	Browse Basin		Granites-Tanami Inlier		Pedirka Basin		Wiso Basin
Otl	her structural units						
Str	atigraphic Names						
Laı	nder Rock Beds						
		_					
AN	IF Thesaurus Terms	- G	eneral 				
AN -	Geological mapping	- G	Regional Geology	٥	Stratigraphy	<u> </u>	Structural Geology
	Geological				Stratigraphy Imagery		Structural Geology Landsat
	Geological mapping		Regional Geology				
<u> </u>	Geological mapping Metallogenesis		Regional Geology Remote sensing		Imagery	<u> </u>	Landsat
0	Geological mapping Metallogenesis Petrology		Regional Geology Remote sensing Lithology		Imagery Literature reviews		Landsat Metamorphism
0	Geological mapping Metallogenesis Petrology Lineaments		Regional Geology Remote sensing Lithology		Imagery Literature reviews		Landsat Metamorphism
Otl	Geological mapping Metallogenesis Petrology Lineaments	0	Regional Geology Remote sensing Lithology Photogeology		Imagery Literature reviews		Landsat Metamorphism
Otl	Geological mapping Metallogenesis Petrology Lineaments her terms	0	Regional Geology Remote sensing Lithology Photogeology		Imagery Literature reviews		Landsat Metamorphism
Otil	Geological mapping Metallogenesis Petrology Lineaments her terms	-Ta	Regional Geology Remote sensing Lithology Photogeology	□✓	Imagery Literature reviews Reconnaissance		Landsat Metamorphism Indicator minerals
Ott	Geological mapping Metallogenesis Petrology Lineaments her terms	- Ta	Regional Geology Remote sensing Lithology Photogeology arget Minerals Silver	· · · · · · · · · · · · · · · · · · ·	Imagery Literature reviews Reconnaissance Tin Platinum Group		Landsat Metamorphism Indicator minerals Diamonds

AMF Thesaurus Terms - Mining							
	Environmental impact surveys		Feasibility studies		Geostatistics		Metallurgy
	Ore reserves		Resource assessment		Mineral resources		Mining geology
	Mine design		Mine drainage		Mine evaluation		Pits
Ot	ner terms						
	AMF Thesaurus Terms - Geophysical Surveys						
AN	IF Thesaurus Terms	- G	eophysical Surveys				
AN -	Aerial magnetic surveys	- G	Aerial radioactivity surveys		Aerial EM surveys		Ground EM surveys
	Aerial magnetic	Π	Aerial radioactivity		Aerial EM surveys Gravity anomalies	0	
<u> </u>	Aerial magnetic surveys		Aerial radioactivity surveys Geophysical		,		surveys Bouger anomaly
0	Aerial magnetic surveys Gravity surveys		Aerial radioactivity surveys Geophysical anomalies Ground magnetic		Gravity anomalies		surveys Bouger anomaly maps

AN	AMF Thesaurus Terms - Geochemical Exploration – Surface sampling							
✓	Geochemical sampling	Stream sediment sampling		Rock chip sampling		Bulk sampling		
✓	Soil sampling	□ Heavy mineral sampling	۵	Geochemical anomalies	✓	Assaying		
	Isotope geochemistry	□ Whole rock analysis	۵	X ray diffraction	✓	Sample location maps		
Other terms		Lag sampling						

AN	AMF Thesaurus Terms - Geochemical Exploration - Drill sampling							
	Diamond drilling		RAB drilling		Percussion drilling	1	Aircore drilling	
	RC drilling		Rotary drilling		Vacuum drilling		Auger drilling	
	Drill core		Drill cuttings		Drill hole logs		Drill core analysis	
Other terms								

Drilling Type	No. of holes	Hole name(s)
Diamond		
Percussion		
Vacuum		
RAB		
Auger		
Air	8	ANTAC0001-0008
RC		
Rotary		
Other		

Mine / Deposit / Prosp	pects	Location - AMG	Location - Datum
Mines			
Deposits			
Prospects			
Other			