MMG Australia Limited



Group Annual Report for Mt Stamford GR241/13

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GROUP ANNUAL REPORT GR241/13 (EL25728, EL27934 & EL28753) (Victoria River Basin Project, Mt Stamford Combined Reporting Area)

(Reporting Period 7/03/2013 - 6/03/2014)

Project Title Holder: Anglo Australian Resources NL Project Operator: MMG Exploration Pty Ltd

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TITLE PAGE

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ABSTRACT

This annual report is for EL's EL25728, EL27934, & EL28753 which form part of the Victoria River Basin, Mt Stamford Combined Reporting Area. Since 29 January 2013, the Mt Stamford Tenements have been operated by MMG Australia Pty Ltd (MMG) in joint venture with Anglo Australian Resources NL (Anglo). Half the project area is within the Gregory National Park, which is in the process of being converted to Aboriginal Freehold Land. Vehicle access to the project area is via the Victoria, Buchanan and Buntine Highways, thence station tracks.

The Victoria River Downs exploration target is a large sedex Zn-Pb-Ag system within a Mesoproterozoic Basin. The area of interest is a linear gravity-feature interpreted as a potential shale basin which is obscured by geochemically opaque Proterozoic Sandstone and Cambrian Volcanics. Age dating within the stratigraphic sequences suggest dates from 1,645my (Limbunya Group) to 1,610 – 1,570my (Bullita Group), which is within the age range of all major Australian Sedex zinc deposits.

From 2007 to 2008, data from the open file reports pertaining to the Victoria River Basin (VRB) Project area was used to construct a robust, validated database. Anglo reprocessed the geochemical data and Geotem, gravity, aeromagnetics and landsat images.

The NTGS completed a regional gravity survey. Interpretation of this gravity data in conjunction with other imaged data sets generated robust interpretations showing major lineaments, which correlate with faults mapped by the NTGS. Major structural features which had not been previously documented, were evident on imaged early time channel data.

Southern Geoscience reprocessed AGSO gravity data, which showed the presence of basement highs and linear gravity lows, the resolution of which would be refined by infill gravity readings in areas of specific interest.

Anglo undertook a regional reconnaissance geochemical sampling program (i.e. stream sediment, rock chip and soil samples). This work successfully confirmed the robustness of previous anomalies identified and highlighted prospective areas of interest in the vicinity of the Victoria River Downs Homestead. The statistically processed geochemical data showed a zoning of the base metal occurrences, from principally lead domains to zinc-copper domains. This work highlighted a distinct zinc-copper domain along the western and southern margins of the VRB. By contrast lead-copper anomalism dominates the central-eastern portion of the VRB. Areas of strong base metal anomalism are generally associated with the calcareous sediments of the Bullita Group and major structural corridors.

From 2008 to 2009, the data from an airborne GEOTEM EM survey completed ~1996 was re-processed by Southern Geoscience Consultants. The survey detected one good quality, discrete, late time anomaly (A68) plus numerous, lower quality response. A total of 68 anomalies were identified. The majority of these anomalies appeared to be related to conductive surficial (regolith) or possibly shallow, flat dipping bedrock stratigraphic units rather than being discrete bedrock conductors.

The only late time anomaly interpreted as a possible bedrock conductor (A68) coincides with litho-structural target 5E, defined by Anglo. This target is characterized by the triple point intersection of major faults trending N-S, NE-SW and NW-SE. Some of the stratigraphic conductors might have potential for stratiform-stratabound sulphide mineralisation as they may be related to thick sulphidic shale (basinal) sequences.

In 2009 to 2010, Anglo conducted a helicopter-supported gravity survey in two areas. The northern part of the survey (based on readings spaced 1 km x 1 km) was designed to target a major north south fault and associated splay faults and domes over a strike length of 50 km near Victoria River Downs Station. The southern half of the survey in the Mt Sanford area (100 km south west of Victoria River Downs Homestead) was also conducted initially on a 1 km x 1 km basis and then infilled to 500m x 500m.

The gravity data assisted in the interpretation of the geology and the development of targets. The most promising targets were developed in the Mt Sanford area where a broad gravity low is highlighted, sub-parallel to and east of a major NW trending fault (Pear Tree Fault). This area was interpreted to be a potential shale basin.

In the fourth year of tenure the interpreted gravity targets were followed up with stream sediment and rock chip samples. No evidence of outcropping mineralisation was discovered. Stream sediment samples collected in the vicinity of the gravity targets were 1 to 2 times above background in Zinc (i.e. moderately

anomalous). The highest values were collected in streams overlying the B1 and B2 target areas which contained sediments dominated by weathered Cambrian volcanics.

Southern Geoscience reviewed the gravity data which showed an open ended 2-5km wide gravity low sitting on the eastern flank of a fault zone (named Pear Tree Fault). This low is interpreted as basin dominated by low density lithologies such as shales. Further interpretations concurred with Southern Geoscience's gravity interpretation and highlighted the visibility of a strike extensive NW-SE structure on a continental scale.

No exploration work was completed from 2011-2013, as Anglo was seeking a joint venture partner to advance the project and then continuing wet season rains prevented field access for the remaining two months of the reporting period.

Work completed in current period included 1048 line kilometre airborne TEMPEST Survey, 2 diamond drillholes and a water bore.

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Any information included in the report that originates from historical reports or other sources is listed in the "References" section at the end of the document. This report may be released to open file as per Regulation 125(3)(a).

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1. BACKGROUND

1.1 INTRODUCTION

This annual report is for EL's EL25728, EL27934, & EL28753 which form part of the Victoria River Basin, Mt Stamford Combined Reporting Area. Since 29 January 2013, the Mt Stamford Tenements have been operated by MMG Australia Pty Ltd (MMG) in joint venture with Anglo Australian Resources NL (Anglo).

1.2 LOCATION AND ACCESS

The Mt Stamford group reporting tenements are located approximately 450km south of Darwin (NT), 200km east of Kununurra (WA) and 250km southwest of Katherine (NT) (**Figure 1**). The tenement is located on the Victoria River Downs, Limbunya and Wave Hill 1:250 000 scale map sheets. The tenement is part of the Victoria River Project area which covers six granted tenements.

Access to the tenement is via the Victoria, Buchanan and Buntine Highways, thence station tracks. Throughout the Victoria River Basin the stratigraphy is generally flat lying or shallow dipping. However, there are a number of localised domal features adjacent to prominent faults or lineaments. Half the Victoria River Project area is within the Gregory National Park, which is in the process of being converted to Aboriginal Freehold Land.

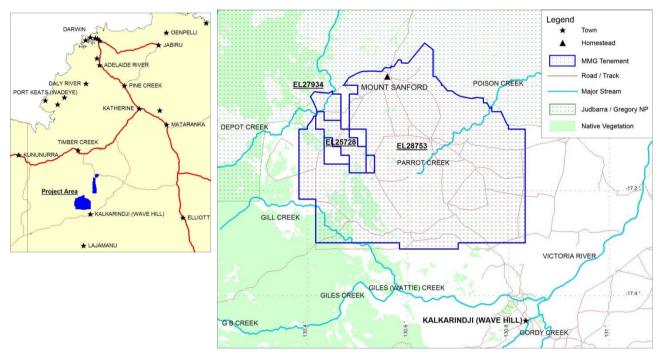


Figure 1. Location of Victoria River Downs Project area and the local geography of the Mt Sanford Project tenement area.

1.3 WEATHER

The wet season normally lasts from November to March. The annual rainfall ranges from 38-51cm. The evaporation rate is 260cm per annum. During the summer months the daily maximum temperature usually exceeds 38°C. In July the daily temperature range is 10-27°C.

1.4 TENURE

The Victoria River Basin Mt Stamford tenements were originally granted to Anglo Australian Resources NL (Anglo) as outlined in **Table 1**. On the 29 January 2013, MMG Australia Pty Ltd (MMG) officially entered a

Joint Venture Agreement with Anglo, where after the tenement has been operated by MMG. The licence area is currently comprised of a total of 280 blocks covering an area of 1,406km².

Tenement	Number of Sub-Blocks	km ²	Application Date	Grant Date	Expiry Date
EL25728	17	55.11	21/11/2006	11/10/2007	10/10/2015
EL27934	13	29.49	4/02/2010	22/10/2010	21/10/2016
EL28753	441	1406	11/04/2011	4/11/2011	3/11/2017

Table 1. The tenements that comprise the Victoria River Basin, Mt Stamford Project area.

2. REGIONAL GEOLOGY

2.1 INTRODUCTION

The project area is located in the Proterozoic Victoria River Basin (VRB) which consists of a 3.5km thick stratigraphic sequence of sandstone, shale and dolomitic sediments, covering an area of 160,000sq kms, overlying the Birrindudu Basin and has the potential for sedimentary hosted zinc dominated base metal deposits similar in style to the giant McArthur River, Cannington and Century deposits.

The Bullita stratigraphic succession is considered to have potential to host stratiform sedimentary, Mississippi and Irish lead-zinc styles of mineralisation. These deposits are associated with the fine grained clastic rocks (black shales) of a sedimentary package, which contains substantial dolomites and limestones, and are located near major regional structures with a halo of lead anomalism. The target size is in the order of 50-100 million tonnes at 10% combined Pb/Zn Age dating within these sequences suggest dates from 1,645my (Limbunya Group) to 1,610 – 1,570my (Bullita Group), which is within the age range of all major Australian SEDEX zinc deposits.

The stratigraphic sequence from the basement Invery Metamorphics and Pine Creek volcanics upwards, consists of the Proterozoic Birrindudu and Limbunya Group sediments which form the lower Birrindudu Basin, which is overlain by the sediments of the Victoria River Basin consisting of the Wattie, Bullita, Tijunna and Avergne Groups.

The VRB is bounded to the northwest by the Fitzmaurice mobile zone, to the southwest by the Ord Basin, to the south by the Carpentarian Birrindudu Basin, and to the southeast by Paleaozoic Wiso Basin, to the Northeast by the Pine Ck geosyncline.

Birrindudu Basin was accompanied by regionally extensive north-trending growth faults. Deposition in both Birrindudu and Victoria Basins includes several phases of intra-cratonic SAG. Strata dip away from the centres of depositional basins and is attributed to basement uplift.

The major structural elements are shown on the various 1:250,000 geological plans. This data has been supplemented by lineament studies completed from aeromagnetic, Geotem, gravity and Landsat data. The imaged Geotem has enhanced the presence of a north trending 50km long by 5km wide structural corridor, which isn't evident from mapping or other geophysical surveys. This structural corridor is truncated north and south by WNW trending regional lineaments, such as the Limbunya Fault in the south and, with sub-parallel Gill and GB faults. Other major structural directions include the NW, NE and E-W lineaments.

2.2 STRATIGRAPHY

The project area is located in the Victoria River region, principally within the Victoria River Basin (VRB), which overlies the basement Sturt block and consists of a 3.5km thick sequence of little deformed sedimentary rocks that cover ~160,000sq kms.

The stratigraphic sequence from the basement Invery Metamorphics and Pine Creek volcanics upwards, consists of the Proterozoic Birrindudu and Limbunya Group sediments which form the lower Birrindudu Basin, which is overlain by the sediments of the Victoria River Basin consisting of the Wattie, Bullita, Tijunna and Avergne Groups.

The VRB is bounded to the northwest by the Fitzmaurice mobile zone, to the southwest by the Ord Basin, to the south by the Carpentarian Birrindudu Basin, and to the southeast by Paleaozoic Wiso Basin, to the Northeast by the Pine Ck geosyncline. Birrindudu Basin was accompanied by regionally extensive north-trending growth faults. Deposition in both Birrindudu and Victoria Basins includes several phases of intra-cratonic SAG. Strata dip away from the centres of depositional basins and is attributed to basement uplift.

	Age	Stratigraphic Unit
Тор	Cambrian	 Atrium Volcanics, 250m thick, tholeiitic basalt and agglomerate, with minor sandstone, chert and limestone interbeds cover the whole region. Unconformably overlies the Proterozoic sequence.
	Proterozoic	 Wolfe Creek Basin. Victoria River Basin consists of the upper Auvergne, Tijunna, Bullita and lower Wattie Groups. Birrindudu Basin is composed of the Limbunya Group sediments and carbonate rocks are developed on the edges of gravity highs, which represent uplifted basement blocks.
Bottom	Lower Proterozoic	Metamorphic basement of the Pine Creek and Halls Ck orogens.

 Table 2. Regional Stratigraphic Column.

Stratigraphic Group	Stratigraphic Formation
Auvergne Group	Jasper Gorge Sandstone Fm 80m thick. Unconformably overlies the Wondoan Hill Fm. Consists of massive to blocky quartz sandstone, minor siltstone and local basal conglomerate. Generally resistant and caps plateau and mesas.
Tijunnia Group	• Wondoan Hill Fm 145m thick. Unconformably overlies the Bullita Group. Consists of quartz sandstone and glauconitic sandstone, with minor claystone and siltstone.
Bullita Group	 Battle Ck Fm 80m thick. Conformably overlies the Weaner Sandstone. Consists of greenish to purple siltstone with dark brown coarse-grained glauconitic dolomite. At the middle of the formation is a series of red brown stromatolitic dolomite and at the top is brown yellow sandstone. Weaner Sandstone 3-15m thick. Conformably overlies the Bynoe Fm. It is a thin series of white to brown sandstone and grits that are pebbly towards the base. Bynoe Fm 190-243m thick. The basal part contains green and purplish micaceous siltstones and shales with few sandstone and dolomite interbeds. The rest of the Fm consists of thinly bedded sandstone and slightly micaceous siltstone. Skull Ck Fm 162-229m thick, Predominantly dolomitic with silty upper and lower parts. The lower contact is defined by a 3m thick stromatolitic horizon. It contains pyrobitumen and disseminated pyrite. The formation has undergone varying degrees of dolomite and dolarenite within 60m of the top of the Skull Ck Fm. Stromatolitic near the top. Rare disseminated pyrite and galena occur. Upper and lower contacts are regionally anomalous in base metals. Epigenetic galena is commonly visible. Timber Ck Fm 135-306m thick. Forms the basal unit of the Bullita Group and consists of thinly interbedded siltstone, fine sandstone and dolostone, pyrobitumen and disseminated pyrite and epigenetic galena. Locally stream sediments anomalous in zinc. Prospective horizon for SEDEX style mineralisation. The high carbonate content of the Bullita Group distinguishes it
Wattie Group	from the conformably underlying Wattie Group, dominated by sandstone stratigraphy.
walle Group	 Seale Sandstone 100m thick. Massive fine and medium grained sandstone. Gibbie Formation 25-75m thick. Micaceous siltstone, sandstone and minor shale. Argillitic phases locally ferruginous. Local abundant pyrite. Neave Sandstone < 20m thick. Lithic medium grained sandstone, minor conglomeratic sandstone. Mount Sanford Formation up to 200m thick. Chocolate and green siltstone, dolomite, interbedded fine sandstone, claystone and shale. Potential host for sediment hosted base metal deposit. Hughie Sandstone < 100m thick. Sandstones and orthoquartzite with minor carbonate. Burtawurta Formation 175m - 315m thick. Sandstone, conglomerate and chert disconformably overlying the Limbunya group.
Limbunya Group	 Killaloc Formation 0-60m thick. Siltstone, dolomite and minor sandstone. Fraynes Formation 110m-130m thick. Silty dolostone, dololuite, purple green micaceous siltstone, containing psuedomorphs of evaporates. The top of the formation is defined by a chert

	 breccia. Potential host for sediment hosted base metal deposit. Campbell Springs Dolomite 160m-320m thick. Grey stromatalitic dolostone, doloarenite, dolorudite, dolosiltite, dolomitic mudstone and minor tuffite. SHRIMP date of 1638Ma. Lower Limbunya Group 480m-640m thick. Includes Blue Hole Formation, Farquarson Sandstone, Kunja Siltstone (Potential host for sediment hosted base metal deposit), Mallabah Formation, Amos Knob Formation, Pear Tree Dolomite, Magery Formation and Stirling Sandstone.
Invermay Metamorphics	Muscovite quartz schist, acid vocanics. Basement in the Birrindudu Basin.

Table 3. Victoria River Basin Proterozoic Stratigraphic Column.

PERIOD	GROUP	FC		N	HORIZON
Camb	orian	Antrim	Antrim Plateau Volcanics		
	Auvergne Group	Jasper	Jasper Gorge Sandstone		
	Tijunnia	Stubb Formation		on	
~	Group	Wondoan Hill Formation			
Proterozoic Victoria Basin	Bullita Group	Formation M	Battle Creek F It. Gordon Sandstone	Formation Weaner Sandstone	
ore	Group	Siltston		ormation	– – – Base Metal Anomalous
cto		10 11 11	Creek Form	and the	– – – Disseminated Galena
4.S			Creek For		Prospective Horizon
har-			le Sandsto	7277	
			bie Format		
	Wattie Group	Neave Sandstone			December 11 million
		Mount Sanford Formation			Prospective Horizon
		Hughie Sandstone			
		Burtawurta Formation			
		Wickham Formation			
		Killaloc Formation Fraynes Formation			– – – Prospective Horizon
		Campbell Springs Dolostone			Frospective nonzon
~		Blue Hole Formation			
sir	Limbunya	Farquharson Sandstone			5
a:	Group	Kunja Siltstone			Base metal anomalous Prospective Horizon
L EC		Mailabah Doiostone Amos Knob Formation			
27			Tree Dolos		
lu		177 K 199 (17)	gery Forma		
22		Stir	ing Sandst	one	
Proterozoic Birrindudu Basin		Coomarie Sandstone	Hinde Doloston	le	
u u	Birrindudu Group	Talbot Well Formation	Stray Cre Sandsto		
		Gardiner Sandstone	Depot Cr Sandsto	eek	
		Inverway Pine Creek Metamorphics Geosyncline			

Figure 2. Stratigraphic column for the Victoria and Birrindudu Basins. Potential SEDEX host stratigraphy. **2.3 STRUCTURE**

The McArthur River and Mississippi styles of base metal mineralization are strongly influenced by structure. Thus it's essential that the major structural controls are well documented and robust geological models are generated for the evolution of the Victoria River Basin sedimentation as it has been influenced by faulting within the basement rocks. An overview of the regional geology plans highlight major structural trends, which are dominated by:

- Major boundary faults trending 030-045 magnetic.
- Faults trending 110-130 magnetic.
- Major faults trending 130-140 magnetic.
- Domal structures trending 150-170 magnetic.
- Regional folding trending 360-020 magnetic.

This configuration of faults and folds supports a regional E-W compressional stress regime, characterised by brittle to brittle-ductile deformation. The 110-130 degree trending structures are possible extensional with a theoretical sinistral component of displacement. This structural orientation dominates the Victoria River Basin and is likely to be the dominant growth fault orientation in addition to E-W normal faults, which are likely to occur.

Major anticlinal and synclinal structures with N-S orientated axial planes, have been mapped at Bullita Station and the Fitzgerald Range near Victoria River downs. These may reflect extended periods of E-W compression that may have existed during deposition and post consolidation of the stratigraphic column. This E-W stress regime may have generated E-W orientated extensional normal faults that may have existed during sedimentation so as to generate growth fault environments.

3. LOCAL GEOLOGY

The majority of the Mt Sanford Project area is covered by geochemically opaque Cambrian basalt of the Antrim Plateau Volcanics and Neoproterozoic sandstone of the Jasper Gorge Sandstone. Wattie and Bullita Group sediments are mapped on the edge and outside the project area on the eastern side of the Pear Tree Fault. A anticline sub-parallel to the Pear Tree fault runs along the NE edge of the tenement. It is interpreted that this progresses to a syncline towards the Pear Tree fault. Based on this, it is expected that Timber Creek Formation or upper Wattie Group units are covered by the younger sandstone and basalt.

The western third of the tenements is bisected by the NW-trending Pear Tree Fault. West of this fault, dolostones and siliclastics of the Limbunya Group have been mapped. These units form two apparent domal features adjacent to the Pear Tree Fault.

Most of the stratigraphy is flat lying and gently dipping to the west. Bedding steepens proximal to the Pear Tree Fault, presumably from drag folding. There are numerous mapped NE faults on the eastern side of the Pear Tree Fault, which also off-set stratigraphy significantly (~500 m). There is an apparent major NNE fault on the far eastern side of the tenements, which is mostly obscured by basalt cover.

4. EXPLORATION RATIONALE

MMG and Anglo are targeting SEDEX-style zinc-lead-silver deposits (e.g. HYC 227Mt at 9.3% Zn, 4.1% Pb, 92g/t Ag) in the Mesoproterozoic Victoria River Basin. The Basin has strong similarities to the Macarthur and Nicholson Basins which host the giant Macarthur River and Century SEDEX-style zinc deposits. The project covers a sequence of Proterozoic sediments dominated by dolomitic carbonates and other fine-grained sediments. The sediments are generally flat lying with an overall very shallow north-easterly dip.

The Fraynes Formation and Kunja Siltstone (Limbunya Group), the Mount Sanford Formation (Wattie Group) and the Timber Creek Formation (Bulita Group) are considered the most prospective for SEDEX style of mineralisation targeted by Anglo Australian Resources NL, particularly adjacent to interpreted growth faults The Victoria River Downs area contains:

- 1. A large regional base metal geochemical halo.
- 2. A sedimentary package that can be correlated with the McArthur River Basin.
- 3. Fine grained shales and chemical sediments that could host a SEDEX deposit.
- 4. Age dating of the same age as other Australian Proterozoic base metal deposits.

- 5. Major regional structures that may have acted as growth faults during the evolution of the basin.
- 6. Unusual domal and monoclinal structures adjacent to major growth faults.
- 7. Evidence of local SAG basins.

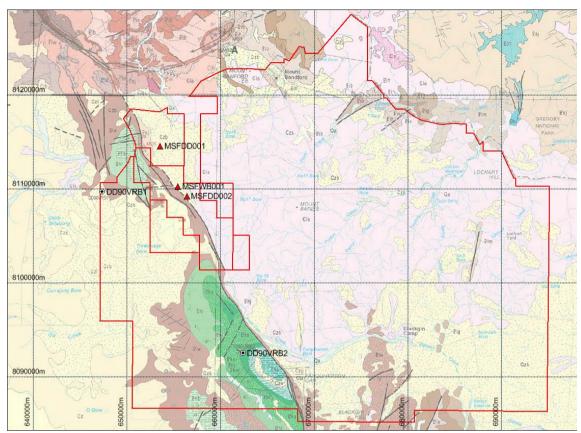


Figure 3. NTGS 250k mapping with Mt Sanford tenement area, MMG 2013 drillholes and historic CRA drillholes (MGA94, zone 52).

5. HISTORICAL EXPLORATION WORK

Little advanced exploration has been carried out in the Victoria River Basin. Most of the work has consisted of early stage exploration consisting of stream sediment sampling and rock chip sampling. Large areas of stream sediment anomalism have had limited follow up.

Previous base metal explorers include BHP, CRA, Rio Tinto, Anaconda, plus junior companies and diamond exploration has been undertaken by Stockdale, BHP and Ashton. These exploration programs for base metals include stream sediment sampling, Geotem and aeromagnetic surveys. Limited stratigraphic diamond drilling was undertaken by BMR, NTGS and various exploration companies. A total of about 10 stratigraphic holes have been drilled. BHP completed a Geotem survey but no on ground follow-up.

The most extensive base metal exploration was completed by Hooker Mining / Australasian Minerals during the period 1969 -1972. Exploration included very detailed stream sediment sampling, VLFEM and IP followup at the Colt Prospect and Area 2. Exploration reports detail the mapping and geochemical sampling of 18 prospects in the Victoria River Basin area, which were either domal, monoclonal or fault structures, though several were flat basinal sag structures.

The areal extent of outcropping mineralization is never greater than several square kms and is often related to faults and joints. The most common occurrence of base metals is in the coarse grained dolomites, particularly just above or below the Supplejack dolomite Member of the Skull Ck Fm and in the thick dolomite of the Lower Marker within the Timber Ck Fm. Near the Depot Ck-Wickham River intersection, within the Lower Marker sequence are 10cm thick bands of 30-40% galena. At Charlies Prospect (Area 4-T146), widespread disseminated galena, sphalerite and pyrite occur just above the Supplejack Dolomite Member of the Skull Ck Fm. This mineralization is 1-2m thick, and can be traced laterally for 300m. Fairly extensive

disseminated pyrite, chalcopyrite and galena mineralization has been found at Area 14 within the Battle Ck Fm. A massive barite vein outcrops at Location C199, measuring 1.5m thick and 800m long. Manganese nodules and stains have been reported around Battle Ck within the Battle Ck Fm.

Four percussion holes were drilled targeting IP anomalies corresponding to geochem anomalism at the Colt and Area 2 prospects totalling 500m. Localised disseminated galena was intersected. These holes were drilled more than 35 years ago. While no detailed collar locations are available the two prospects are interpreted to occur in the following locations. The Colt prospect is reasonably well defined by a sketch map and is located 2.7km NE of the VRD homestead near a fence in the vicinity of weakly altered dolomite and lead stream sediment anomalies (approx. 716,500E 8,187,700N).

Reports on the Area 2 prospect give no specific location. However we can interpret that this prospect occurs in the vicinity of a very strong and extensive, north east trending lead in stream sediment anomaly located 11 – 17 km north east of the VRD homestead. Stream sediment and soil sampling in this area by Anglo Australian Resources confirmed the lead anomalism but did not find the drill collars.

In 1990 CRA drilled two stratigraphic diamond holes west of the Pear Tree Fault (Mt Sanford Area) to test a complete section of the Limbunya group. These holes are located to the west and outside of current AAR tenure. Anomalous Pb, Zn and Ag were located at the base of the Campbell Springs Dolomite in DD90VRB01 and anomalous Au, Pb and zinc in the basal part of the Kunja Siltstone in DD90VRB02. Follow up work consisted of reconnaissance of outcropping Campbell Springs Dolomite and Kunja Siltstone with stream sediment sampling and rock chip geochemistry.

	DD90VRB1		DD90VRB2			
Depth (m)	Formation	Group	Depth (m)	Formation	Group	
0-29	Wickham	Wattie	0-37.1	Kunja Sandstone	Limbunya	
29-162.3	Upper Fraynes	Limbunya	37.1-47.1	Malabar Dolomite	Limbunya	
162.3-193.15	Lower Fraynes	Limbunya	47.1-95.8	Amos Knob	Limbunya	
193.2-353.25	Campbell Springs Dolomite	Limbunya	95.8-188.1	Pear Tree Dolomite	Limbunya	
353.25-432.5	Blue Hole Fm	Limbunya	188.1-303.9	Margery	Limbunya	
			303.9-351.28	Stirling Sandstone	Limbunya	

 Table 4. Simplified logs of the two CRA drillholes.

The Northern Territory Geological Survey in 1999 completed two stratigraphic diamond drill holes located within the Victoria River Basin (99VRNTGSDD1 and 99VRNTGSDD2). Hole 99VRNTGSDD1 is located within the tenement 17km south-southwest of the Victoria River Downs homestead and lies within AAR tenement. Hole 99VRNTGSDD2 is located 45km to the north-northwest of the Kidman Springs homestead to the north of AAR tenements. The drilling intersected live oil and bitumen as well as epigenetic galena and pyrite within the Skull Creek Formation and the Timber Creek Formation. Assay values up to 1630ppm Pb were obtained.

Previous exploration in the area located large areas of anomalous Lead and Zinc stream sediment geochemistry. Values of up to 9000ppm Pb, 740ppm Zn and 500ppm Cu have been recorded. Anglo Australian Resources completed its first reconnaissance program in 2007, on the granted tenements consisting of geological prospecting, stream sediment, rock chip and reconnaissance soil sampling. Stream sediment sampling confirmed previous lead anomalism with assays up to 5700ppm Pb and 130ppm Zn associated with the Skull Creek Formation and the Bynoe Formation within the Bullita Group. Highly anomalous levels of lead (up to 3300ppm Pb) and zinc (up to 1100ppm Zn) were returned from rock chips of dolomitic sediments.

Anomalous levels (up to 500ppm) of lead were also returned from wide-spaced reconnaissance soil traverses. The values and the extent of anomalism (up to 12 x 3km in dimension) are encouraging, as the deposit models guiding the exploration suggest lead anomalism may be the surface expression of an alteration halo of a base metal mineralised system at depth.

6. PREVIOUS WORK

From 2007 to 2008, data from the open file reports pertaining to the Victoria River Basin (VRB) Project area was used to construct a robust, validated database. This database is composed of 23,734 stream sediment

samples, 375 rock chip samples, 191 soil samples and data for 78 drill holes. Anglo reprocessed the geochemical data and Geotem, gravity, aeromagnetics and landsat images.

The NTGS completed a regional gravity survey based on 10km square survey stations. Interpretation of this gravity data in conjunction with other imaged data sets generated robust interpretations showing major lineaments, which correlate with faults mapped by the NTGS. Major structural features, which had not been previously documented, were also evident on imaged early time channel data. This structural data significantly enhanced the prospectivity of the VRB for litho-structurally controlled base metal mineralisation.

Southern Geoscience reprocessed AGSO gravity data, which showed the presence of basement highs and linear gravity lows, the resolution of which would be refined by infill gravity readings in areas of specific interest.

Anglo undertook a regional reconnaissance geochemical sampling program. A total of 265 stream sediment, 115 rock chip and 92 soil samples were taken and submitted for multi-element analyses. This work successfully confirmed the robustness of previous anomalies identified and highlighted prospective areas of interest in the vicinity of the Victoria River Downs Homestead. The geochemical data was then statistically processed, normalised and anomalous thresholds were generated for copper, lead and zinc. A strong zoning of the base metal occurrences was identified, from principally lead domains to zinc-copper domains. This work highlighted a distinct zinc-copper domain along the western and southern margins of the VRB. By contrast lead-copper anomalism dominates the central-eastern portion of the VRB. Areas of strong base metal anomalism are generally associated with the calcareous sediments of the Bullita Group and major structural corridors.

From 2008 to 2009, the data from an airborne GEOTEM EM survey completed over ~20% of Anglo's Victoria Downs project area in ~1996 was re-processed by Southern Geoscience Consultants. The interpretation formed a part of Anglo's exploration programme assessing the base metal (McArthur River style mineralisation) potential within the Victoria Downs project.

The survey detected one good quality, discrete, late time anomaly (A68) plus numerous, lower quality responses, some of which could be geologically significant. A total of 68 anomalies were identified. The majority of these anomalies appeared to be related to conductive surficial (regolith) or possibly shallow, flat dipping bedrock stratigraphic units rather than being discrete bedrock conductors.

The only late time anomaly interpreted as a possible bedrock conductor (A68) coincides with litho-structural target 5E, defined by Anglo. This target is characterized by the triple point intersection of major faults trending N-S, NE-SW and NW-SE. Some of the stratigraphic conductors might have potential for stratiform-stratabound sulphide mineralisation as they may be related to thick sulphidic shale (basinal) sequences.

The remaining anomalies are equally divided between those located adjacent to major lineaments and those distal to major lineaments probably associated with particular stratigraphic units. In addition, interpretation of the Geotem images has identified major structures not previously recognized and this includes a 5km wide by 50km long corridor of structural complexity, along which major domal structures have been developed. This structural corridor is intersected and offset by major cross faults.

During 2009 to 2010, Anglo conducted a helicopter-supported gravity survey, consisting of 1,589 gravity readings in two areas on granted Victoria River Downs tenure. The northern part of the survey (based on readings spaced 1 km x 1 km) was designed to target a major north south fault and associated splay faults and domes over a strike length of 50 km near Victoria River Downs Station. This area contains extensive stream sediment geochemistry zinc-lead anomalies. The southern half of the survey in the Mt Sanford area (100 km south west of Victoria River Downs Homestead) was also conducted initially on a 1 km x 1 km basis and then in-filled to 500m x 500m.

The gravity data assisted in the interpretation of the geology and the development of targets. The most promising targets were developed in the Mt Sanford area where a broad gravity low is highlighted, subparallel to and east of a major NW trending fault (Pear Tree Fault). This area was interpreted to be a potential shale basin. Two areas within this gravity low were selected as potentially to be dilational sub basins. In addition 5 discrete gravity anomalies in the Mt Sanford area have been highlighted as potential direct targets.

The large domal structure just north of the Victoria River Downs Station centred on the Fitzgerald Range had high Pb geochemistry in streams, rock chips and soils on the south eastern edge of the dome. However as

no major faults are mapped in this area or reflected in the gravity, the potential for growth structures in the area is considered to be limited. A salt dome model proposed by earlier explorer BHP may still have some viability. A regional gravity low could support this theory.

The geological interpretation highlighted at least three areas within the Gregory National Park where subbasins may have been developed adjacent to growth structures. One of these areas has highly anomalous Zn stream sediment geochemistry while the other two areas are deficient in geochemical data.

In the fourth year of tenure (i.e. 2010-2011), the interpreted gravity targets were followed up with 20 stream sediment samples and six rock chip samples. No evidence of outcropping mineralisation was discovered. Rock chips of goethitic ironstone, associated with a silty sediment from the G3 target area were anomalous in lead (154ppm) and zinc (138ppm). All other samples collected from the reconnaissance program contained only background values of base metals.

Stream sediment samples collected in the vicinity of the gravity targets were 1 to 2 times above background in Zinc (with a maximum of 82ppm in the vicinity of the B2 target). These values can be considered moderately anomalous. The highest values were collected in streams overlying the B1 and B2 target areas which contained sediments dominated by weathered Cambrian volcanics. It is uncertain whether these reflect a halo to underlying mineralisation or the normal background values associated with the Cambrian Volcanics. Copper and lead values were at background levels

Consultant Southern Geoscience were contracted to review the gravity data. The data showed an open ended 2-5km wide gravity low sitting on the eastern flank of a fault zone (named Pear Tree Fault). This low is interpreted as basin dominated by low density lithologies such as shales. Further interpretations concurred with Southern Geoscience's gravity interpretation and highlighted the visibility of a strike extensive NW-SE structure on a continental scale.

No exploration work was completed from 2011 to 2013, as Anglo was seeking a joint venture partner to advance the project. A joint venture agreement was concluded with MMG in January 2013, but continuing wet season rains prevented field access for the remaining two months of the reporting period.

7. WORK COMPLETED DURING THE REPORTING PERIOD

Work completed during the reporting period consisted of the drilling of two diamond holes and one waterbore. An Airborne TEMPEST EM Survey was flown prior to drilling.

7.1 Airborne EM

Between the 5th and the 7th June 2013, Fugro Airborne Surveys Pty. Ltd. (FAS) undertook an airborne TEMPEST electromagnetic survey for MMG Management Pty Ltd, over the Vic River Project areas in the Northern Territory. The survey consisted of three areas: Northern and Southern Vic River areas as well as a test area. Total coverage of the survey areas amounted to 1048 line kilometres flown in 5 flights. The survey was flown using a SHORTS SKYVAN aircraft, registration VH-WGT owned and operated by FAS.

The survey employed the use of a 25Hz TEMPEST EM system with a 500m line spacing traversing 090-270 degrees for a total of 1048 total survey line kilometres. Flying height was 120m and transmitter/receiver horizontal separation was 113m, and vertical separation 476.5m. Data consisted of magnetics and time-domain electromagnetic measurement of the X and Z components.

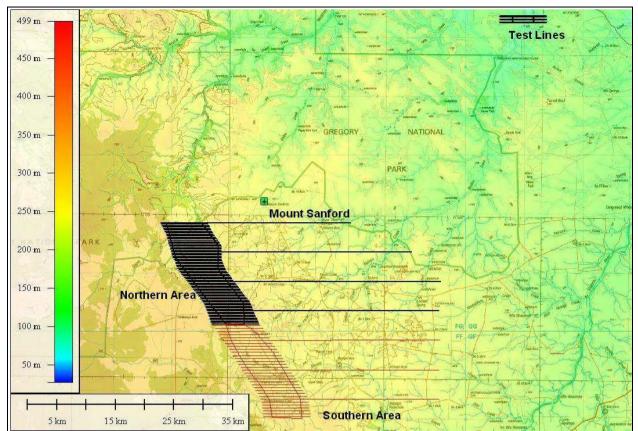


Figure 4. Victoria River TEMPEST Survey lines on topographic map (MGA94, zone 52).

7.2 **TEMPEST** Results and Interpretation

Refer Appendix 9

7.3 Diamond Drilling Program

Two diamond drill-holes were completed at the Mt Sanford project during the reporting period, plus one waterbore. Full down-hole data is available in **Appendices 1 to 7**.

Hole ID	Easting (m)	Northing (m)	Elevation (m)	Total Depth (m)	Dip (°)	Azimuth (°)	Date Completed
MSFDD001	653550	8114586	268	504.7	-80	226.5	29/09/2013
MSFDD002	656403	8109283	265	501.7	-80	233.5	5/10/2013
MSFWB001	655457	8110301	254	60	-90	N/A	12/09/2013

Table 5. The collars details of the Mt Sanford drill holes (co-ordinates are in MGA94 zone 52).

Drilling was completed by Titeline Drilling Pty Ltd using a UDR1000 diamond drill rig. MSFDD001 was cored from surface using PQ2 gear, switched to HQ3 triple tube gear once in competent rock at 20.5 m, and switched to NQ3 triple tube gear at 98.6 m for the remainder of the hole. MSFDD002 was cored from surface using HQ3 triple tube gear, and switched to NQ3 triple tube gear at 101.5 m for the remainder of the hole.

A waterbore was drilled by May Drilling Pty Ltd using an Explorac 220, to provide water for diamond drilling. MSFWB001 was drilled by RC from surface, at a hole size of 8". The bore was cased with steel tubing for the length of the hole, with slotted tube placed near the bottom of hole. The casing was cemented in place and the collar has a removable steel lid. Flow rate was recorded as 1 litre per second.

Collars were surveyed using a handheld Garmin Rino 650 GPS unit. Downhole surveys were completed using a Reflex digital single-shot tool every 30 m. Core was orientated using an ACE digital ori tool.

All drillcore was logged in the field by MMG geologists Charles Gianfriddo and David Cornish, with assistance from technicians Ian O'Sullivan and Peter Carolan. A bottom of drillhole orientation line was marked along the core using yellow paint marker, when an ori mark was successfully marked on a drill run. A solid line is used where 2 or more ori marks line up, while a dashed line is used when only one ori mark is available or when ori marks don't match. The core was measured with metre marks drawn with white or black paint marker. Each tray was marked with a tray number, drillhole ID and depth from and to. Core recovery, rock quality designation (RQD) and fractures per metre were recorded for each drill run. Each core tray was photographed in the field. The photo was taken of wet core (appendix 3), with no dry photo taken as HyLogger scanning will provide a dry image. Measurements of alpha and beta were taken using a protractor printed on transparencies, using the bottom of drillhole orientation line if available. The measurements were taken on structures, joints and bedding regularly down the drillhole.

The drillholes were sampled in early December at the NTGS core facility in Darwin. Samples were taken about every 25 m for lithogeochemical characterisation and areas of black shale were sampled every metre. The core was cut in half along metre lengths, with one half bagged to be sent to the lab and the remainder left in the core tray. There were 33 samples collected from MSFDD001 and 39 from MSFDD002. The samples were dispatched together in one work order (T09004) with 6 quality control standards throughout.

Samples were sent to the ALS Minerals lab in Brisbane. All samples were crushed to 70% passing 6 mm (CRU-21) and pulverised to 85% passing 85 µm. Lithogeochemistry samples were analysed for 63 elements using the 'complete characterization' package (CCP-PKG01). This package is a combination of a lithium borate fusion, four acid digestion and aqua regia digestion with either ICP-AES or ICP-MS finish; plus carbon and sulphur by combustion furnace. Black shale samples were analysed for 48 elements by a four acid digestion with either ICP-AES or ICP-AES or ICP-MS finish (ME-MS61). Selected samples were measured for specific gravity using the gravimetric method with wax coating (OA-GRA08a). Results were received on 31 January 2014.

All remaining core was handed over to the NTGS and is currently being stored in their core facility in Darwin. Pulps and residues are currently held in storage by ALS.

7.4 Drilling Results and Interpretation

MSFDD001 and MSFDD002 drill collars are located 6km apart and the stratigraphy is correlative. Both drill holes encountered approximately 100 m of overburden. MSFDD001 intersected Cambrian Antrim Plateau Volcanics between 0-35.5m and Neoproterozoic Jasper Gorge Sandstone between 35.5-105m. MSFDD002 intersected Antrim Plateau Volcanics between 0-10.5m and Jasper Gorge Sandstone between 10.5-93m. The Mesoproterozoic-Paleoproterozoic rocks of the two holes are composed of alternating 50-100m intervals of sandstones and siltstones.

The sandstones are dominated by intermittently thin-bedded medium to coarse-grained quartz arenite with common cross-bedding and occasional siltstone rip-up clasts. They are interpreted to represent high-energy shoal sands, with occasional brecciated sections interpreted to be slope failure breccias formed during progradation to an outer shelf setting.

The siltstone intervals are composed of normally-graded, generally rhythmic 10-100cm intervals of;

- (1) Massive to thin-bedded maroon/brown occasionally-calcareous fine sandstone with common 1-3cm rounded nodules of green/cream fine sandstone. The green colouration appears to be an overprint because the nodules are often cream rimmed by green, the green often spreads in an alteration front style and green occasionally occurs as a fracture halo.
- (2) Very thinly-interbedded (in order of typical abundance);
 - (a) Green siltstone.
 - (b) White/grey strongly calcareous fine sandstone.
 - (c) Silicified/decalcified white fine sandstone with ~2mm carbonate clasts and/or after-carbonate pits; silicification increases in frequency toward contacts with sandstone intervals.
 - (d) Dark brown siltstone
 - (e) Black shale

Bedding is irregular and wavy to hummocky cross-stratified, with common scouring and rip-up clasts, occasional soft sediment deformation and minor brecciation. These siltstones are interpreted to represent transition to lower-energy shelf facies.

MSFD001 and MSFDD002 both display a restricted lower-energy reduced facies, interpreted as lagoonal mud facies; 240-257m in MSFDD001 and 176-201.5m in MSFDD002. Along with increased black shale, these intervals are more brecciated than typical siltstone facies and contain chert interbeds. The chert is a chalky white colour when partially silicified/decalcified and a grey/orange colour when fully chertified.

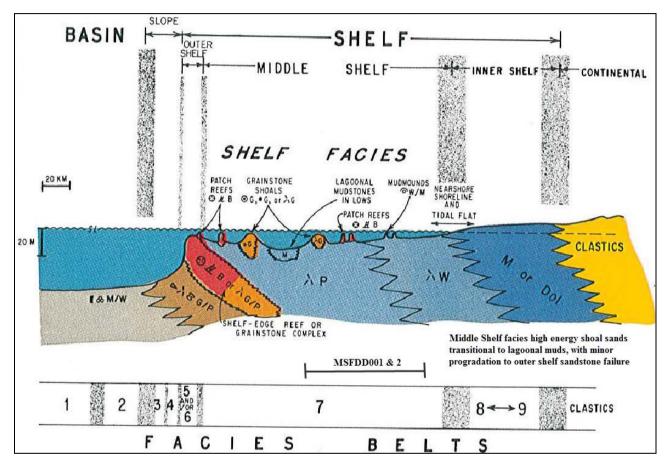


Figure 5. Interpreted palaeo-environment of MSF drillholes: Note figure relates to Palaeozoic shelf carbonate setting with expected variation to a Proterozoic ramp setting (Profile of shelf facies showing major subdivisions of shelf and facies subdivision of middle shelf such as patch reefs, mud mounds, grainstone shoals and depressions filled with carbonate mud) (Wilson & Jordan 1983).

Lithologies of MSFDD001 and MSFDD002 are interpreted to represent middle shelf facies high-energy shoal sands (hummocky cross-stratification) transitional to lower-energy siltstone/claystone, to lagoonal muds (**Figure 5**). There is some minor progradation to outer shelf sandstone failure breccias. The depositional environment is likely to be an actively-building highstand ramp environment.

MSFDD001 is interpreted to have intersected Stubb Formation, Wondoan Hill Formation, Battle Creek Formation and Weaner Sandstone. MSFDD001 is interpreted to have intersected Mesoproterozoic-Paleoproterozoic Wondoan Hill Formation, Battle Creek Formation and Weaner Sandstone. The formation ages are poorly constrained, but Carson (2010) determined a maximum deposition age of 1600 ± 24 Ma for the Weaner Sandstone. MSFWB001 only intersected cover, including Cambrian Antrim Plateau Volcanics from 0-27m and Neoproterozoic Jasper Gorge Sandstone from 27-60 m.

There is no geochemical anomalism identified in both MSFDD001 and MSFDD002 (**Table 6**). Maximum Zn (77 ppm) and Cu (81 ppm) occur in the sole sample of basalt (Antrim Plateau Volcanics), with values typical

of mafic volcanics. Base metal values in the sedimentary rocks are all very low (at background). Minimal sulphides were observed in core, with a maximum sulphur value of 0.05% returned.

Formation	Zn (ppm)	Pb (ppm)	Cu (ppm)
Antrim Plateau	62	5	81
Jasper Gorge	7	13	2
Battle Creek	10	3	4.5
Weaner	12	2.5	3.5
Wondoan Hill	25	4.9	8.75
Stubb	11.5	4.2	3.8

Table 6. Median base metal values of each formation drilled in MSFDD001 and MSFDD002.

Selected samples were measured for specific gravity (SG), to characterise the density of the drilled formations. The average SG of the sandstone and siltstones drilled in both holes is 2.4 (**Table 7**). Samples of dolostone from other areas have returned 2.8-2.9. As the western side of the Pear Tree Fault is dominantly dolostone or dolomitic sediments, the contrast of the two lithologies may explain the linear gravity anomaly.

Sample ID	Formation	Lithology	SG
D1897243	Antrim Plateau	basalt	2.83
D1897245	Jasper Gorge	sandstone	2.25
D1897248	Wondoan Hill	siltstone	2.4
D1897271	Battle Creek	sandstone	2.25
D1897274	Battle Creek	siltstone	2.67

Table 7. Specific gravity of selected samples.

Samples of siltstones and siltstone/shales from both drillholes were plotted on a spider chart (**Figure 6**) which had been normalised to average European Shale REE (Haskin & Haskin, 1966). The samples are generally depleted of REEs relative to the normalisation, perhaps due to higher silt/sand amount in them. Eu, Lu and Tm have noticeable depletions relative to the other elements, with Eu being the most striking.

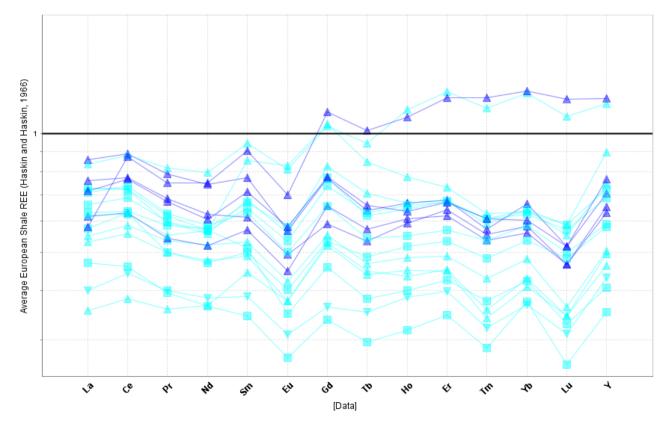


Figure 6. Spider plot of rare earth elements (REE) normalised to "Average European Shale".

7.5 Conclusions

MSFDD001 and MSFDD002 both intersected sandstones and siltstones interpreted as shallow marine shelf facies. No significant mature succession of carbonaceous shale was intersected. There was no evidence of significant tectonic activity during deposition. Geochemistry did not reveal any base metal anomalism or alteration. The holes showed no correlative geology to adequately explain the EM response and the water table occurs at the same depth where the highest intensity EM response depth slice occurred. Intersected shales were poorly developed and there were only minor sulphides as fracture coating.

8. EXPENDITURE

For the current reporting period, a total of \$756,478 was spent on the Victoria River Basin Mt Stamford Tenements. A breakdown of expenditure costs for each tenement is given below.

Exploration Category	EL25728	EL27934	EL28753
Geological	\$84,866	\$180,750	\$83,746
Geochemistry	-	\$68,942	-
Drilling	-	\$60344	-
Geophysics	\$101,640	-	\$44,376
Environmental	-	\$33,142	-
General	\$27,976	\$51,477	\$19,218
Total costs	\$214,483	\$394,655	\$147,341

Table 8. Exploration Activity and Expenditure Table for the Victoria River Basin Mt Stamford Tenements.

9. PLANNED WORK

The proposed work programme for the Victoria River Basin Mt Stamford Tenements for 2014 consists of a comprehensive review of the results attained during the 2013 field season, petrographic indicator studies on drillcore for further AEM surveys, and rehabilitation of the existing works.

The proposed expenditure for the tenements is shown in Table 9.

Exploration Category	Expenditure AUS \$
Geological Activities	\$80,000
Geochemistry	\$60,000
Drilling	\$180,000
Geophysics – AEM survey	\$30,000
Environmental	\$30,000
Reporting	\$23,500
Totals	\$403,500

Table 9. Proposed Exploration Expenditure for the Victoria River Basin Mt Stamford Tenements.

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