Annual Technical Report,

for period ending 9 April 2016

EL 5587

June 2016

Project Name:	Bulgunnia Project
Tenement Numbers:	EL5587
Tenement Operator:	Apollo Iron Ore (No. 2) Pty Ltd
Tenement Holder:	Apollo Iron Ore (No. 2) Pty Ltd
Report Type:	Annual Technical Report
Report Title:	Annual Technical Report, Bulgunnia Project for period ending 09 April 2014.
Report Period:	Annual Report to 9 April 2016
Author:	M. Kammermann
Date of report:	21 June 2016
1:250 000 map sheet:	Tarcoola (SH53-10)
1:100 000 map sheet:	Bulgunnia (5837)
Target Commodity:	Au, Cu, Zn, Pb, U and Iron Ore
Keywords:	Bulgunnia, Gold, IOCG, Calcrete
Prospects drilled:	None
List of Assays	None
Location:	The tenements are centred ~700 km north of Adelaide and ~120 km southwest of Coober Pedy.
Geology:	Within the northern Gawler Craton of South Australia within basement Archaean Mulgathing Complex, overlain by Jurassic Algebuckina Sandstone and extensive Quaternary cover.
Work done:	Desktop and research and review of available historic data and reports. Amendment to existing Woomera Prohibited Area (WPA) Exploration Resource Permit for inclusion of EL5587 to access permit. Preparation and planning of maiden exploration program to review access and geological outcrop for initial mapping and sampling. No fieldwork or new technical data.
Results:	Compilation of available geophysical data sets including SARIG sourced magnetics and gravity.

CONTENTS

LIST OF FIGURES

Summary

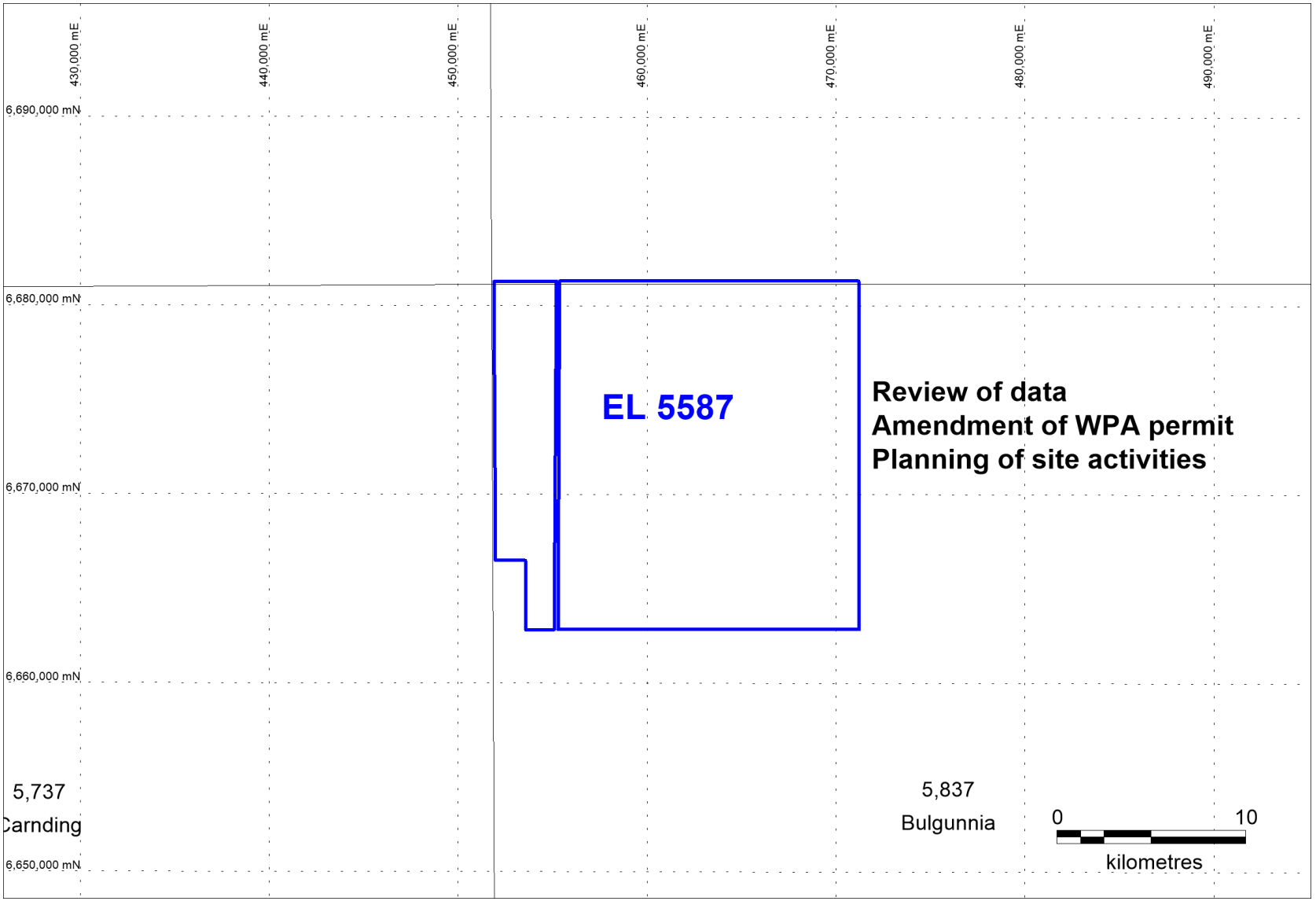
This annual technical report describes the exploration activity undertaken on Exploration Licences EL 5587 held by Apollo Iron Ore No.2 Pty Ltd ("Apollo"). Apollo was granted EL5587 on 10th April 2015 for a two year period.

Exploration licence EL 5587 covers 346 km^2 and located approx. 700 km northwest from Adelaide, and 120 km southwest from Coober Pedy within the northern Gawler Craton, and within the boundaries of the Woomera Prohibited Area ("WPA"). Rock units are comprised of the Archaean Mulgathing Complex, Proterozoic units from the Gawler Range Volcanics, Jurassic sediments from the Algebuckina Sandstone and recent Quaternary cover and surficial sands.

Apollo conducted initial desktop studies to review the historical data and reports. Apollo's existing Exploration Resource Permit was amended to include EL5587. Planning and preparation for a maiden exploration program was completed to review access and conduct geological mapping and sampling.

During the reporting period to 9 April 2016 the following works were undertaken on the Bulgunnia Project area (EL 5587).

TENEMENT NUMBER.	TENEMENT NAME	TECHNICAL ACTIVITY	TENEMENT STATUS
EL 5587	Bulgunnia	Review of data, planning for site activities	Active. Covering: 346 km^2 Granted: 10/04/2015 Expires: 09/04/2017



Exploration Index Map

1 Location and Access

Exploration License 5587 comprises the Bulgunnia Project, which is part of Apollo's greater Titan Project and covers an area of 346 km^2 as shown in Figure 1. The Project area is situated some 700 km (800 km by road) north of Adelaide and 120 km southwest of Coober Pedy. Typical access is via the Stuart Highway and Challenger gold mine access road, 110 km north of Glendambo and then a further 100 km to Commonwealth Hill Homestead.

Access after the bitumen sealed Stuart Highway is by gravel/dirt roads and tracks along the all-weather Challenger gold mine access road, the well maintained station roads and fence-line maintenance tracks. Off road access is recommended by 4WD vehicle over the gently undulating and subdued terrain comprised primarily of loam and sandy regolith.

The Project area is located within the Woomera Prohibited Area ("WPA") with access permissible under terms of an Exploration Resource Permit obtained from the Commonwealth of Australia, Department of Defence. The Exploration Resource Permit was granted to Apollo on 18 November 2014 for a 7-year period expiring in 2021. For each site visit into the WPA, the Deed holders must obtain prior approval through the submission of a *WPA Access Request (Exploration) Application*, which must be lodged 10 business days before to the intended site visit.

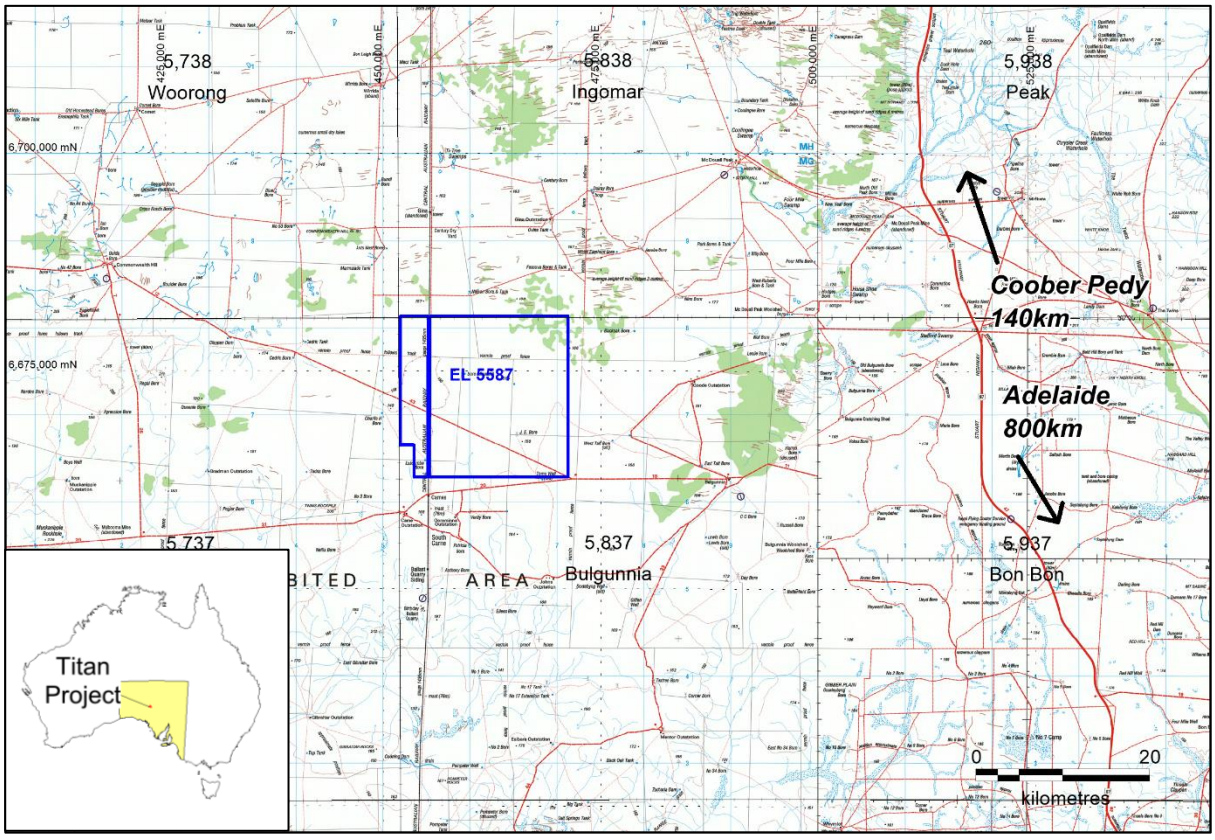


Figure 1 - Location plan for EL5587 within the Titan Project Area

2 Tenement Details

Apollo Iron Ore (No. 2) Pty Ltd is a wholly owned subsidiary of Apollo Minerals Limited and holds the exploration license EL5587 for the Bulgunnia Project.

The tenement schedule is detailed as follows:

TENEMENT No.	TENEMENT NAME	ORIGINAL AREA (Km^2)	CURRENT AREA (Km^2)	GRANT DATE	EXPIRY DATE	TENEMENT STATUS
EL 5587	Bulgunnia	346	346	10/04/2015	09/10/2017	First year exploration tenure
		TOTAL	**346**			

The exploration licence is situated within the WPA, almost exclusively within the 'Defence Infrequent Use Zone' as shown in Figure 2, which may include a cumulative exclusion period of up to 56 days per year. The exclusion periods are typically in blocks of 14 days and listed on the website for the Department of Defence at http://www.defence.gov.au/woomera/exclusionperiods.htm .

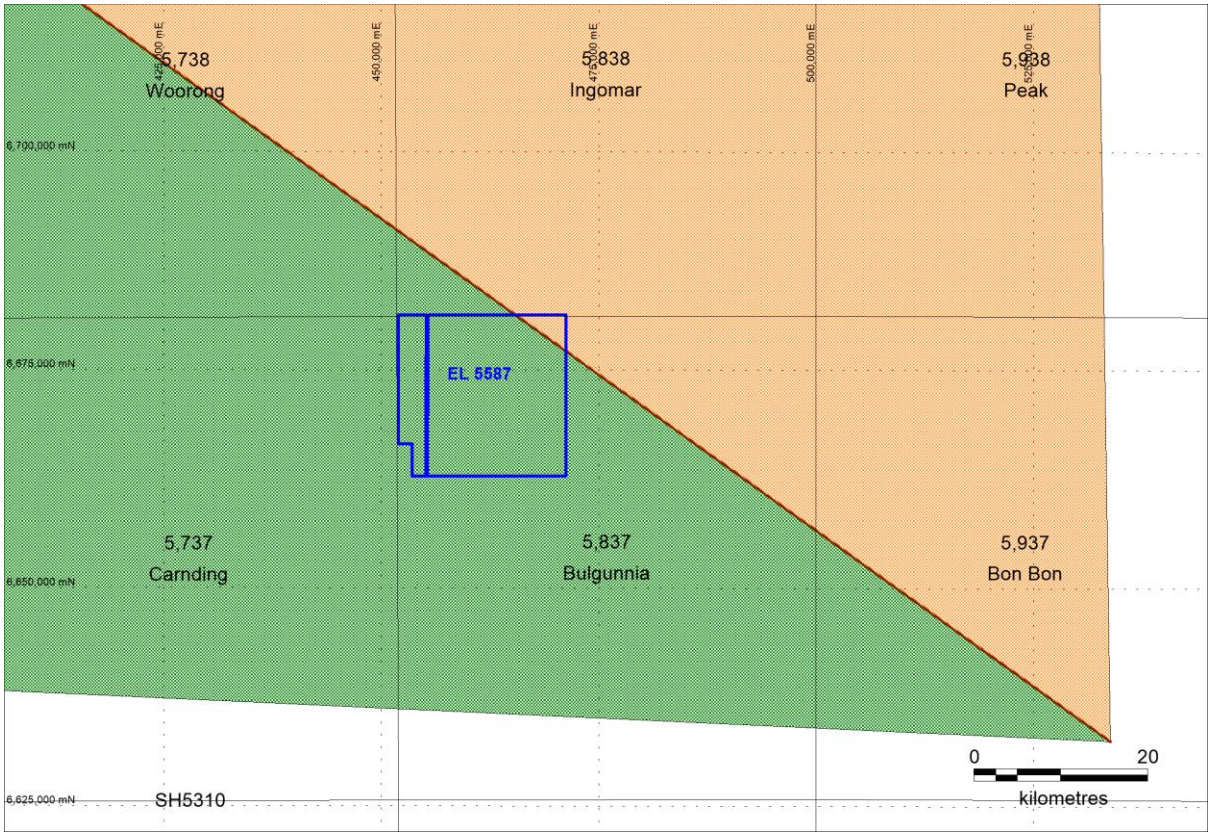


Figure 2 - Tenement Plan for EL 5587 – Bulgunnia Area showing the boundary of the 'Defence Infrequent Use Zone' (Green) and 'Defence Periodic Use Zone (Orange)

3 Native Title Claimants

In accordance with the requirement of Part 9B of the Mining Act, Apollo is required to enter a Minerals Exploration Indigenous Land Use Agreement (ILUA) with the Antakarinja Land Management Aboriginal Corporation ("ALMAC") for EL 5587. The ILUA agreement is pending.

4 Regional Geology

The Bulgunnia Project area is located within the northern Gawler Craton of South Australia and contains basement rocks belonging to the Archaean Mulgathing Complex. Basement outcrop is sparse and concealed by Mesozoic Algebuckina Sandstone (JK-a), and more recent Quaternary cover (Qe-1 and Qpr-1) including quartz rich aeolian sands (Figure 4).

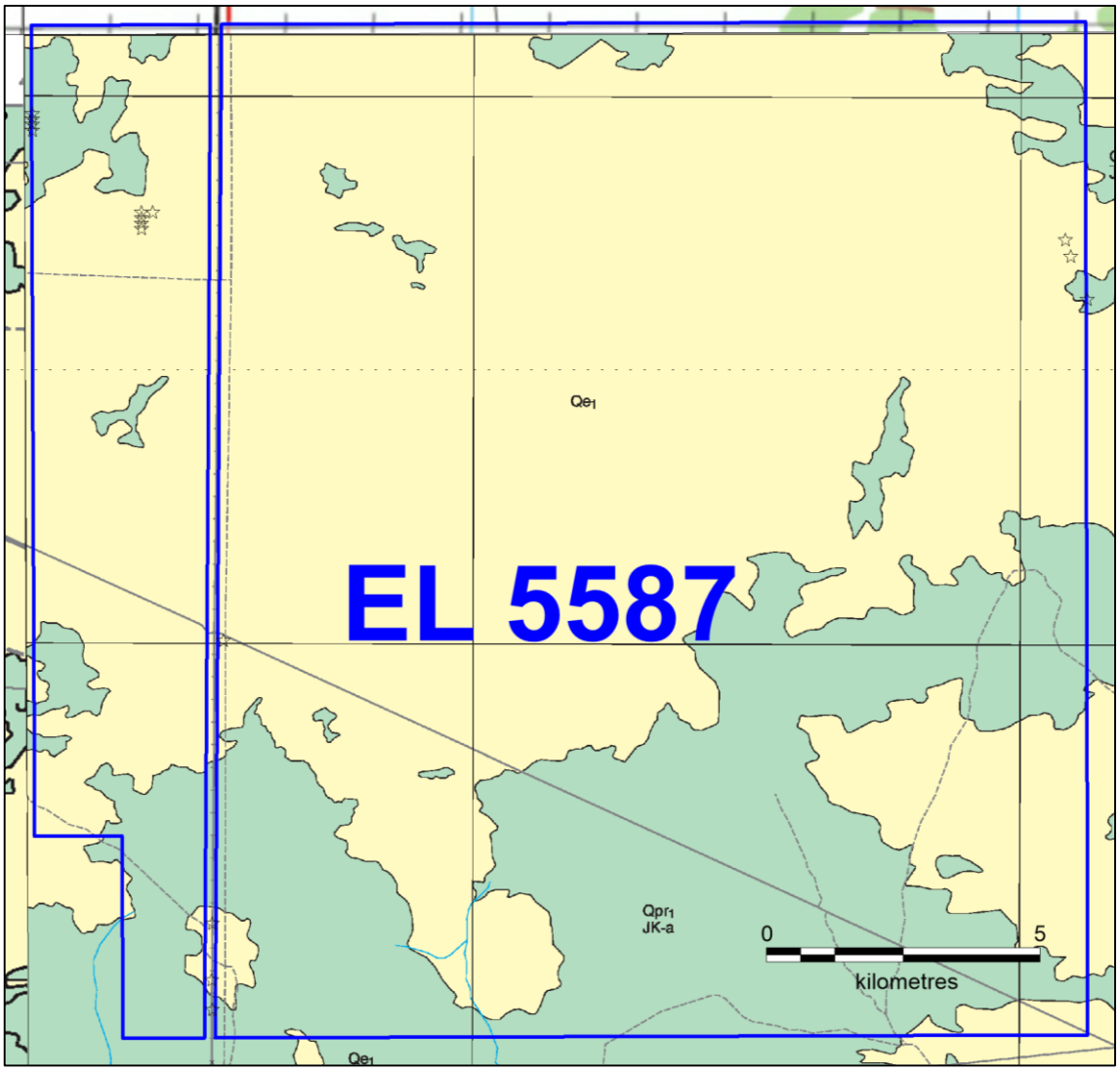


Figure 3 - Regional Geology showing 1;100,000 scale geology for EL 5348

A suite of volcanic rocks have intruded the district post regional metamorphism and typically form large rock masses to the southwest of the tenement at the Twins Rockpile. Regional 250,000 scale maps have interpreted these intrusive phases as the Hiltaba Suite granites (Mh) and granitoids of the Gawler Range Volcanics ("GRV"). The extrusive equivalent, the Ealbara rhyolite (Mae) of the GRV is exposed at the Birthday Quarry, towards the South along the main north-south Adelaide to Darwin rail line, which is the primary source for railway ballast in the area.

It is deemed plausible that GRV units exist further north than existing geological mapping and masked beneath cover sequences within EL 5587. It is expected that sub crop is likely to be expressed as low topographical relief and possibly covered by younger Mesozoic sediments of the Algebuckina Sandstone (JKa) in a terrain represented by inverted Palaeo-topography. These GRV units are considered to be important constituents including thermal and mineralogical contributors for iron,

copper, gold and uranium mineralisation in the Gawler Craton. Other more recent interpretation for possible mineralisation in the local area include Iron-Titanium-Phosphates associated with large, layered mafic-ultramafic intrusions of Anorthosite-Nelsonite-Gabbro-Norite affinities.

5 Local Geology

Locally, basement rock rocks comprised of high grade metamorphic rocks, dominated by felsic gneisses, granites, granulites (ALm, ALmc) within EL 5587 are non-existent, with most of the area dominated by cover sequences of Mesozoic Algebuckina Sandstone (JKa). The younger Pleistocece units in the northern parts of the licence comprise pale orange to reddish-brown clayey sand forming prominent sand dunes, which may contain calcrete nodules. The quartz sands in the southern portion of the licence typically overly the Algebuckina Sandstone and comprise fine to coarse quartz sand cemented by platy calcrete.

Further geological mapping is warranted across the EL 5587 to ground truth the 100,000 scale mapping.

6 Exploration History

The main exploration activities within EL5587 include calcrete sampling and several small drilling programs.

Drilling within the licence includes a Goldstream Mining hole drilled in 1998. This hole targeted a bulls-eye magnetic target. Vintage Exploration completed exploration including drilling for defining areas with potential for Fe-Oxide Cu-Au style mineralisation associated with strong magnetic and/or gravity anomalies. The Goldstream target was investigated with a number of holes. Goldstream Mining also drilled several bulls-eye magnetic targets in the north0eastern portion of the licence however the holes were abandoned before reaching basement. CRA Exploration completed a single drill hole to 248m depth targeting coal in the 1980's.

Approximately 500 calcrete samples have been collected within EL5587. Samples were collected by Dominion Mining, Goldstream Mining, and Minotaur Gold in the mid to late 1990's. Most of the sampling was undertaken at 1km spacing. A number of samples on the 1km spacing grid reported values of >5ppb.

7 Current Exploration

Apollo conducted a brief desktop review and compilation of historic data and reports. An existing Woomera Prohibited Area Exploration Resource Permit was amended to include EL5587. Planning and preparation was undertaken for a maiden site visit in year 2 to assess access and undertake geological mapping and sample collection of available outcrop if appropriate.

In 2015 Apollo engaged Dr Kevin Wills to review and provide recommendations on another of Apollo's project areas. Dr Wills commented that at regional sampling densities such as one or two kilometre centres, anomalies in the range of 5-8ppb Au should be followed up. Dr Wills also commented that if samples which led to discovery of Challenger had been located 200m away, Challenger would not have been discovered at the time.

The >5ppn Au anomalies represent a target for immediate follow-up.

The tenement lies within the Geoscience Australia IOCG corridor and as such is considered prospective for such mineralisation. A number of targets were identified from historic reports as having been investigated by previous explorers. It was noted that several drill holes were abandoned prior to reaching basement. Further review is required to determine whether the targets require further investigation by deeper drilling. In addition a program of identifying new geophysical IOCG targets for drilling will be undertaken.

The Company will also aim to finalise the ILUA.

8 Expenditure

Expenditure for the annual period totalled: **$10,811**

Expenditure statement is provided in Appendix 1.

9 Further Work

Further work will include follow-up of all historical >5ppn Au calcrete samples. In addition the Company will review the exploration of historic drilling that has targeted existing magnetic targets to determine whether drilling was adequate particularly where basement was not reached. The Company will also progress finalising the ILUA.

APPENDIX 1 – EXPENDITURE DATA

01 – Expenditure Data

Group	Item	Detail	Cost
Management	Tenement mgt and reporting		$
	Statutory fees		$4,753
Logistics	Food, accommodation and travel		$
	Vehicle costs		$
	Salaries	Employees	$3,301
		Consultants and contractors	$
	Insurance	(pro-rata across all projects)	$
Geological	Data review		$
	Mapping	Geological, structural, etc	$
	Geochemistry	Rock chip sampling	$
		Soil/calcrete sampling	$
		Biogeochemistry	$
		Other:	$
	Geophysics (Where applicable, please indicate if conducted by air or ground)	Magnetic (air/ground)	$
		Radiometric (air/ground)	$
		Gravity (air/ground)	$
		Electromagnetic (air/ground)	$
		Induced polarisation (air/ground)	$
		Magnetotelluric (air/ground)	$
		Seismic	$
		Other:	$
	Drilling	Auger	$
		RAB	$
		Air core	$
		Sonic	$
		Rotary mud	$
		RC	$

		Diamond	$
		Other:	$
	Remote sensing	Landsat	$
		ASTER/multispectral	$
		Aerial photography and DTM	$
		Other:	$
	Technical studies	Hydrogeology	$
		Geotechnical	$
		Petrology	$
	Survey	Downhole (gyro/density/etc.)	$
		Surface locations	$
	Other	Trench/costean	$
		Site preparation	$
		Rehabilitation	$
		Sample assays	$
Land access	Native title negotiations		$
	Aboriginal heritage survey		$
	Environmental survey		$
	Landowner negotiations		$
	Compensation payments		$
Project studies and research	Project development studies	Scoping study	$
		Prefeasibility study	$
		Feasibility study	$
	University research project		$
Other	(Please justify below)	Item: Project Development	$1,774
		Item:	$
Subtotal			**$9,828**
Administration		**10% of subtotal**	**$982.80**
Total			**$10,811**

APOLLO
MINERALS LIMITED

15 November 2016

EL Reporting Officer
Mineral Tenements
Department of State Development
GPO Box 320
ADELAIDE SA 5001

Dear Nella

EL 5587 – Final Technical Report for the period 10/4/2016 to 18/10/2016

EL 5587 was granted on 10 July 2015 and was surrendered on 18 October 2016.

No field work was undertaken during the period 10/4/2016 to 18/10/2016. As no new technical data were acquired, a formal report will not be submitted.

Details of expenditure have been provided in the relevant summary reports.

Please contact me on 8342 4914 or 0415 397 870 if you require additional information.

Yours sincerely

Teena Coppin
Tenement Manager

Apollo Minerals Limited
924
Level 9 BGC Centre, 28 The Esplanade, PERTH WA 6000
Telephone: (08) 9322 6322 Facsimile: (08) 9322 6558

ABN 96 125 222

Australian Securities Exchange Code: **AON**
www.apollominerals.com.au