

GROUP

ANNUAL REPORT

For EXPLORATION LICENCES

EL 26628 and 29828

GR 386

TANAMI ALTURA JV PROJECT

From 1 March 2017 to 28 February 2018

| Holder | Altura Exploration Pty Ltd. |
|------------------|--|
| Operators | ABM Resources NL |
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| Email | jrohde@abmresources.com.au |
| Target Commodity | Gold |
| Datum/Zone | GDA94/ MGA Zone 52 |
| 250,000 mapsheet | The Granites (SF5203) |
| 100,000 mapsheet | MC Farlane (4757), Pedestal Hills (4756) |
| | Frakenia (4857) Inningarra (4856) |
| | |

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|---------|---|------------|--|
| | Regional Basement Geology NTGS & ABM interpretation 500k merged | 1: 100,000 | |

DIGITAL APPENDICE

FILE

DESCRIPTION

| GR386_2018_GA_01_SSample.txt | Surface sampling type, location, description |
|-------------------------------|--|
| GR386_2018_GA_02_SSAssays.txt | Surface sampling type, location, assay results |
| GR386_2018_GA_03.pdf | Group annual report 2018 |

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1.0 ABSTRACT

Exploration Licences **26628** and **29828** form ABM Resources NL's (ABM), 'Tanami Altura JV' project which is located approximately 600 km north-northwest of Alice Springs in the north Tanami Region of the Aileron Province (Figure 1).

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ABM is exploring the 'Tanami Altura JV' project for the potential of gold mineralisation.

Exploration consisted of a prospectivity review and surface sampling.

In July 2017 ABM invited the Corporate Geoscience Group ("CGSG") to undertake a geological framework and targeting study of ABM's Tanami projects which included the Tanami Altura JV'project.

The review resulted in a priority sorted list with a total of 2 targets within the Tanami Altura JV project tenements. Both targets are located on a NW-SE to WNW-ESE thrust fault (Mongrel Fault) connected at depth to deep-seated D0 rift structure as well as subparallel (thrust-truncated?) folds.

The surface sampling consisted of 7 reconnaissance rock chip and 30 spoil samples. The spoil samples formed the first part of a program to be continued in 2018.

The assay results from the program will form a data set for a lithogeochemistry study.

The lithogeochemistry study aims to establish a classification of the encountered rocks into stratigraphic groups based on the work of Lambeck 2008 and then CSIRO.

The maximum gold assay result returned from the rock chip sampling was 205 ppb (W214012) from a location 335m SE of the Genbu prospect on EL26628.

A recommendation was made to continue with the historic drill spoil sampling program.

2.0 INTRODUCTION

ABM entered into a JV agreement with Altura as four of their tenements EL26626 (Application), EL26627 (Application), EL26628 and EL29828 complement ABM's Tanami region tenement holdings with under explored and analogous geology to the region's major gold deposits.

EL26628 and EL29828 adjoin ABM's Twin Bonanza Project tenements. EL26628 and EL29828 were combined to form the 'Tanami Altura JV' project reporting group.

The Tanami Altura JV project is centred approximately 600 kilometres north-northwest of Alice Springs and is located approximately 45km west northwest of the Callie Mine (Figure 1).

Access to the project area is from Alice Springs via the Tanami Road up to the Rabbit Flat settlement then south towards the Tanami Downs cattle station and then further on unsealed pastoral tracks throughout the project area.

This 2nd group report covers exploration carried out during the 3rd year of term for both tenements - the period from the 1 March 2017 to 28 February 2018.



3.0 TENURE

Exploration Licences 26628 and 29828 were granted to Altura Exploration Pty Ltd. on 1 March 2013 for a period of six years.

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In June 2015 ABM entered into an option agreement with Altura to acquire a 90% interest in the tenements and establish a joint venture. Following a due diligence period, ABM exercised the option and transfers reflecting ABM's 90% interest were registered effective 4 February 2016.

On 11 March 2016 amalgamated technical reporting for ELs 26628 and 29828 (Tanami Altura JV) was approved and the group reporting ID GR 396 was allocated. The reporting period for this title group was set to 1 March to 28 February with a report submission due date at the 28 April each year.

Group GR386 tenement details are listed in Table 1 and are illustrated in Figure 1.

| Title No | Current Blocks | Grant Date | Expiry Date |
|----------|----------------|------------|-------------|
| EL26628 | 211 | 1/03/2013 | 28/02/2019 |
| EL29828 | 109 | 1/03/2013 | 28/02/2019 |

4.0 GEOLOGY

4.1 Geology

The SF5203 Granites map sheet (2014V) has tenements EL26628 & 29828 mainly covered with Quaternary sands, alluvial active drainage and lacustrine, playa lakes. Large areas of ferricrete over pedestal Beds (Czf/Pzs) are interspersed over the tenure. Outcrops of Pedestal Beds and Lucas Formation (Canning Basin) exist throughout EL29828, and in the southern portion of EL26628. The Antrim Plateau Volcanics are exposed as a thin N-S strip on the eastern side of EL26628. In the midnorth of the EL26628 tenure, the Gardiner Sandstone is exposed as the MacFarlanes Peak Range and strikes NW-SE with a few smaller outcrops existing to the NE. A dolerite sill is exposed in two small areas within close proximity to each other just to the north of MacFarlanes Peak Range. To the north-east of the dolerite sill the Tanami Group become exposed - the Killi Killi formation and the Dead Bullock Formations Callie Member. Both Tanami Group formation outcrops strike NNW-SSE. The Grimwade Suite has a number of small outcrops toward the NE of the Tanami Group, until you reach the Ferdies Member of the Dead Bullock Formation.

The mid-north section of EL26628 is geologically the most interesting. The down stratigraphic sequence of the Paleoproterozoic Tanami Group is represented from MacFarlanes Peak Range to the NE and exists within the tenure boundary.

The 2015 field data augments ABM's existing database from previous years and has been integrated with geophysical data (gravity, aeromagnetic, radiometric), government survey data (outcrop mapping, solid-geology basement interpretations and regional seismic), trends observed in satellite imagery and previous non-government basement interpretations to produce an updated regional basement interpretation map for gold exploration targeting (Plate 1).

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5.0 PREVIOUS EXPLORATION

In the 1st year of tenure exploration consisted of desktop studies by Altura.

In the **2**nd **year** of tenure exploration consisted of Altura's continuation of the work from the previous period and included desktop studies, the integration of geophysical and geological data, GIS data management and reporting. No on ground exploration was completed.

In the **3**rd **year** of tenure exploration consisted of ABM's desktop studies including regional mapping and target generation by ABM. No on-ground exploration was conducted during the reporting period neither by Altura nor by ABM.

The mapping resulted in a regional basement geology map scaled 1:500,000 which included the project area (**Plate 1**). The map represents a merger of NTGS and ABM interpretation at this scale.

The desktop studies recommended for **EL26628** reconnaissance mapping and a standard soils/rock (Au) and XRF (As, Pb and Cu) program covering all prospects (Suzaku, Byakko, Genbu, Seiryu and Blue Hart) followed by a low detection limits geochemistry program in areas returning elevated assay results.

In the 4th year of tenure exploration consisted of ABM's desktop studies that focused on the regional targeting review.

A desktop target review was completed comprising a prospectivity analysis using ABM's Milestone ranking (Figure 2), which highlighted areas that would drive exploration for the 2017 field season. Generally locations associated with the Trans-Tanami Fault Zone, the Dead Bullock stratigraphy, folding and faulting complexity, and early stage geochemical anomalism contributed to a higher ranking in the prospectivity analysis.

The Capstan Block, named after the Capstan Prospect on neighbouring EL31291, is a 22 km x 8 km area mainly underlain by Dead Bullock stratigraphy within the Trans-Tanami Fault Zone, which translated as such in a high prospectivity ranking.

A proportion of the southern region of the Capstan Block falls within EL26628 and contains 3 target areas, including the historic Suzaku, Byakko, Genbu prospects (**Plate 1**). The Seiryu prospect is underlain by Tanami Group lithology. All 4 prospect areas were classed at Stage 2 in ABM's Milestone Ranking (**Figure 2**).

EL29828 did not contain any targets that rank in ABM's 2016 prospectivity analysis.

6.0 EXPLORATION COMPLETED

In the 5th year of tenure exploration consisted of ABM's over all prospectivity review and surface sampling.

A summary of exploration is listed in Table 2.



Milestones:

Milestone 5 - Drilling to achieve Resource

Milestone 4 – To achieve an initial Inferred Resource classification

Milestone 3b - Drilling to define a bedrock structure (typically RAB/or RC)

Milestone 3a – Anomaly definition (generally AC or geophysics)

Milestone 2 – Anomaly identification (soils, mapping regional RAB/AC)

Milestone 1 - Lease acquisition/framework drilling/regional geophysics

Figure 2 ABM's Milestone ranking - February 2017

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| Table 2 | 2018 Summary of Exploration |
|---------|-----------------------------|
|---------|-----------------------------|

| Tenement No | Rock-chip Samples | Number of Samples for a lithogeochemistry study from historic drill spoil | Prospectivity Review By Corporate Geoscience Group |
|----------------|----------------------|---|---|
| EL 26628 | 7 | 30 | Yes |
| EL 29828 | 0 | 0 | Yes |

6.1 Prospectivity Review

ABM's Tanami scale prospectivity reviews, including the Tanami Altura JV project continued and incorporated updated geological inputs from consultant Leon Vandenberg. A series of preliminary prospectivity layers were prepared. These layers were discussed and reviewed as part of a "Geology Think Tank" meeting held during March 2017.

The prospectivity review output was used to rank and prioritise ABM's ground position on a tenement-bytenement basis. This review of tenure also served as a guide for future relinquishments or partnerships or divestments that may be required.

In July 2017 ABM invited the Corporate Geoscience Group ("CGSG") to undertake a geological framework and targeting study at ABM's Tanami project.

In respect of the Tanami Altura JV project tenements these desktop studies resulted in the identification of 2 targets which are listed in **Table 3** and are illustrated in **Plate 1**.

The prioritisation was based on the knowledge-driven (subjective) yet systematic assessment of all available exploration and data against a set of carefully chosen targeting criteria defined in the geological framework study.

6.2 Surface Sampling

A total of 7 reconnaissance rock-chip and 30 spoil surface samples were taken on one tenement (EL26628).

The spoil samples were collected from the freshest material of historic drill spoil.

Both the rock samples and the spoil samples were multi-element assayed.

All sample locations are shown on Plate 1. All surface sampling data is included in the appendices.

The maximum gold assay result returned from the rock chip sampling was 205 ppb (W214012) from a location 335m SE of the Genbu prospect on EL26628.

The spoil samples formed the first part of a program to be continued during the 2018 field season.

The program intends to establish a data set for a lithogeochemistry study.

The lithogeochemistry study aims to establish a classification of the encountered rocks into stratigraphic groups based on the work of Lambeck 2008 and then CSIRO.

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7.0 RECOMMENDATIONS AND CONCLUSIONS

A recommendation was made to continue with the historic drill spoil sampling program.

8.0 **BIBLIOGRAPHY**

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