

# December 2017 Quarterly Activities Report



ASX & Media Release

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## Registered Office:

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## Capital Structure:

Quoted Shares: 221.8M  
3c Options: 6M

## Board:

**Michael Atkins**  
Chairman

**Stephen Stone**  
Managing Director

**Ian Hobson**  
Non-Executive Director  
and  
Company Secretary

## WESTERN AUSTRALIA

### Pilbara Conglomerate-Hosted Gold Projects:

- Secured rights to acquire 80% interests in exploration licence applications at Coolyia Creek and Beasley Creek (refer ASX releases dated 11 October 2017 and 7 November 2017).
- Undertook orientation programmes at both and a more detailed 10-day reconnaissance programme at Beasley Creek.
- Projects tick many of the boxes for the discovery of 'Witwatersrand-style', conglomerate-hosted gold mineralisation including presence of both Mt Roe and Hardey Formation basal conglomerates.
- Geological settings analogous to mineralisation at the Purdy's Reward project near Karratha and at the Beaton's Creek deposit near Nullagine respectively.

### Beasley Creek

- Hardey Formation confirmed outcropping over much of the overall 16km east-west unconformable contact between Upper and Lower Fortescue aged rocks.
- Mt Roe basalt unexpectedly identified outcropping intermittently over at least 3km (not previously recognised by government mapping).
- Compilation and continuing interpretation of recent detailed field mapping is likely to increase the exposed and interpreted extent of the Mr Roe basalt.
- 62 small to speck gold nuggets recovered from four locations, all spatially associated with conglomerates at top and base of the interpreted Mt Roe basalt.
- Many of the smaller nuggets are flattened and pitted with irregular edges.
- Historical workings and scraped areas more extensive than expected.
- Targets defined for follow-up exploration (bulk stream sediment sampling, soil sample traverses, rock-chip sampling and metal detecting) commencing early in February.

### Coolyia Creek

- 10km strike of outcropping to near-surface, shallow-dipping Mt. Roe and Hardey conglomerates confirmed.
- Extensive prospector scrapings and detecting holes observed and a small nugget recovered proximal to and downslope of unconformity contacts at base of Fortescue Group.
- In-situ visible gold in major bedrock quartz vein immediately underlying Mt. Roe conglomerate with associated quartz scree and nugget patch.
- Detailed mapping, sampling and metal detecting programme planned for February.

## **GHANA**

- **Attended to the process of transferring the Julie West prospecting licence to purchaser Azumah Resources Limited which upon completion will release to Castle the final cash consideration of A\$250,000.**

## **NEW OPPORTUNITIES**

- **Generated and reviewed several new project opportunities spanning conglomerate-hosted gold style targets in the Pilbara region, and a range of commodities in Western Australia, Australia generally and internationally.**

## **CORPORATE**

- **End of Quarter cash was \$1,100,000.**
- **\$1,225,000 (before costs) was raised on 19 October 2017 via a placement at \$0.035 per share to qualifying investors.**
- **With the improved cash position Directors have elected to accept their fees and any payments for additional services in cash.**
- **Castle holds 564,020 shares in ASX listed PainChek Limited (ASX: PCK)(~\$33,000).**

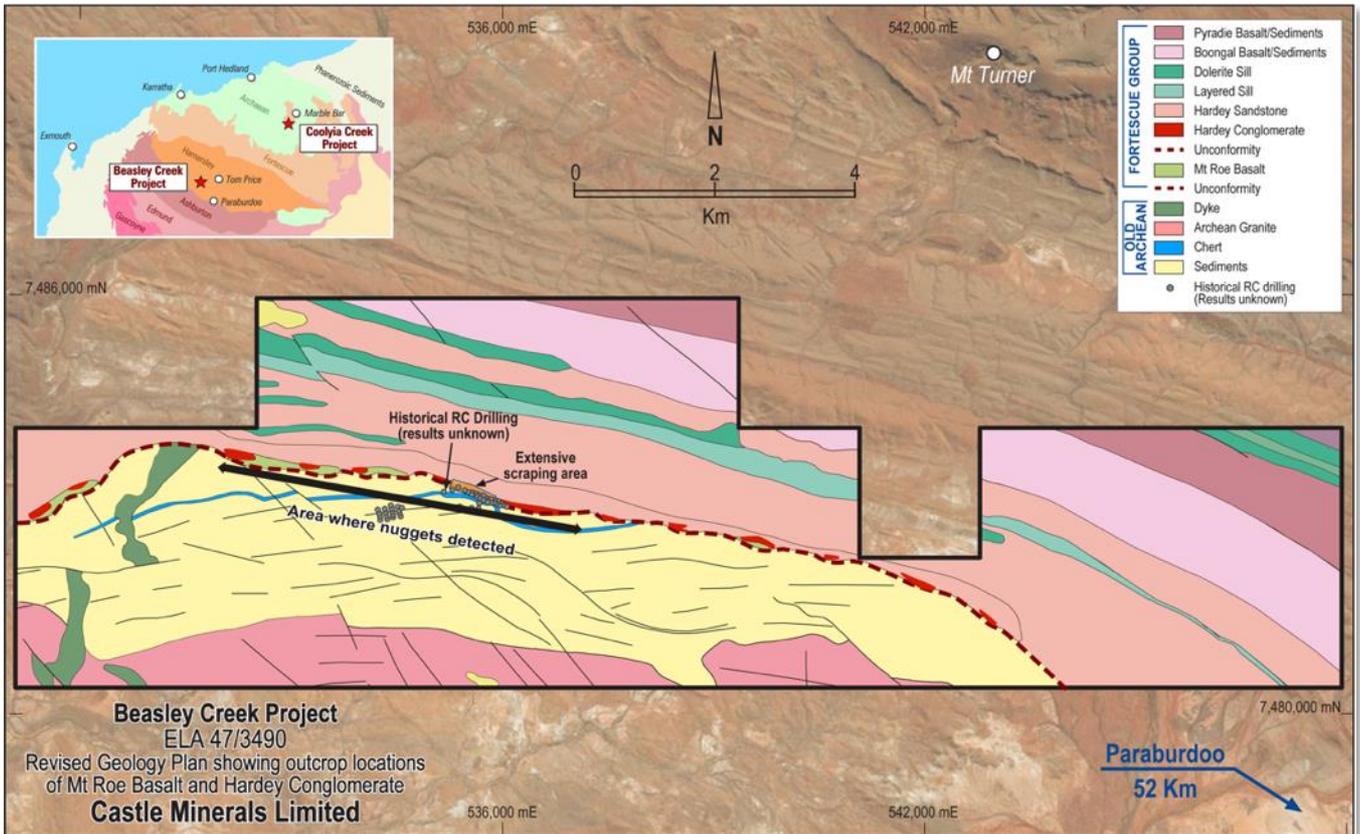
**Photo 1: Beasley Creek: Nuggets retrieved proximal to conglomerate horizons**



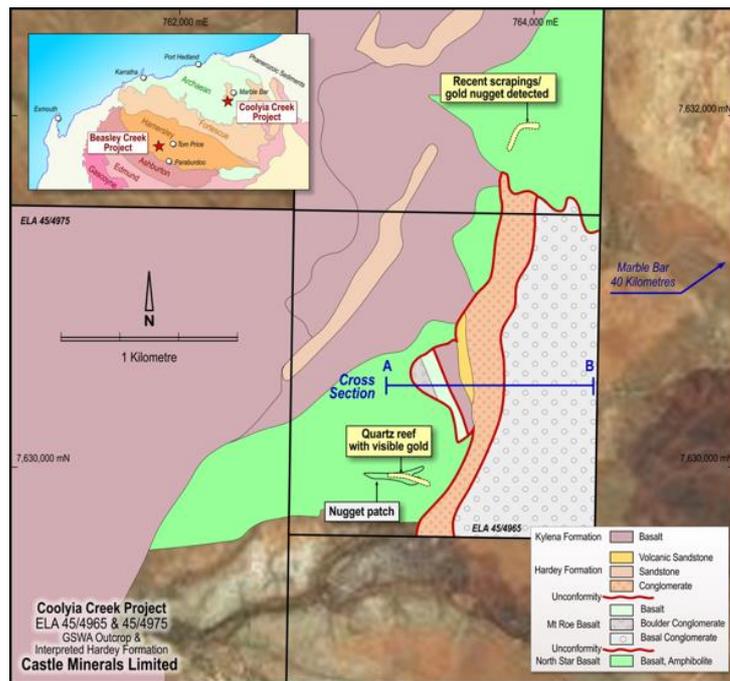
**Photo 2: Coolyia Creek: Nuggets retrieved in vicinity of quartz veining**



**Figure 1: Beasley Creek: Map showing 16km geological unconformity between Lower Fortescue Group and 'Old' Archaean, almost continuous Hardey Formation and/or conglomerate, 3km of intermittently outcropping Mt Roe basalt plus location of historical workings / scrapings / RC drilling**



**Figure 2: Coolyia Creek: Map summarising outcrop and inferred trace of Mt Roe and Hardey conglomerate facies, area of recent prospector scrapings (where nugget retrieved) and quartz veining with nugget patch (after GSWA)**



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### **About Castle Minerals Limited**

Castle Minerals is listed on the Australian Stock Exchange (ASX: CDT) and headquartered in Perth, Western Australia. In addition to its interest in the Coolyia Creek and Beasley Creek 'Witwatersrand-style' conglomerate-hosted gold projects in the Pilbara region of Western Australia, it has a large contiguous tenure position in the Upper West region of Ghana, West Africa, a country with a long history of gold exploration and mining. Its Ghana licence holdings encompass large tracts of highly prospective Birimian geological terrane, the host to many of West Africa's multi-million-ounce gold mines. All of Castle's ground in Western Australia and Ghana, whilst at a relatively early stage of exploration, presents a number of compelling targets that offer considerable opportunities for discoveries.

### **Cautionary Statement**

The Coolyia Creek and Beasley Creek Projects are considered to be of very early stage, grass roots exploration status. No Competent Person has done sufficient work in accordance with JORC Code 2012 to conclusively determine if gold is present in conglomerates on the licences applied for or to estimate in what quantities but in each case the general integrity of mapping by the GSWA has been confirmed. It is possible that following further evaluation and/or exploration work that the confidence in the information used to identify and acquire interests in the areas of interest in the Pilbara may be reduced when reported under JORC Code 2012. No work other than a desk-top review or low-impact reconnaissance mapping and sampling can be undertaken at either Project until the licences are granted which amongst other things requires the consent of the Minister, or an Officer of the department acting with the authority of the Minister, and is also subject to the statutory Native Title notification and negotiation period.

### **Competent Persons Statement**

The scientific and technical information in this Report that relates to the geology of the deposits and exploration results is based on information compiled by Mr Stephen Stone, who is a Director of Castle Minerals Limited. Mr Stone is a Member of the Australian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Stone is the Qualified Person overseeing Castle's exploration projects and has reviewed and approved the disclosure of all scientific or technical information contained in this announcement that relates to the geology of the deposits and exploration results.

### **Forward Looking Statement**

Statements regarding Castle's plans, forecasts and projections with respect to its mineral properties and programmes are forward-looking statements. There can be no assurance that Castle's plans for development of its mineral properties will proceed as currently expected. There can be no assurance that Castle will be able to confirm the presence of Mineral Resources or Ore Reserves, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of Castle's mineral properties. The performance of Castle may be influenced by a number of factors which are outside the control of the Company, its Directors, staff or contractors.

Tenement and Name		Interest at beginning of Quarter	Acquired / Disposed	Interest at end of Quarter
<b>WESTERN AUSTRALIA</b>				
ELA45/4965	Coolyia Creek	0%	Acquired	80%**
ELA45/4975	Coolyia Creek	0%	Acquired	80%**
ELA47/3490	Beasley Creek	0%	Acquired	80%**
<b>GHANA</b>				
<b>TOPAGO MINING LIMITED *</b>				
PL. 2/398	Antubia	100%	N/A	100%
PL. 2/400	Boizan	100%	N/A	100%
PL. 2/399	Akoko	100%#	Disposed	0%^
PL. 2/425	Akoko West	100%	Disposed	0%#
<b>CARLIE MINING LIMITED</b>				
RLA	Chache	Application	N/A	Application
RLA	Jewoyeli	Application	N/A	Application
RLA	Takariyili	Application	N/A	Application
RLA	Tuole	Application	N/A	Application
RL. 10/23	Jang	100%	N/A	100%
RL. 10/13	Wa	100%	N/A	100%
PL. 10/13	Julie West	0%^	Disposed	0%^
ML. 10/13	Julie West	Application	N/A	Application
PL. 10/26	Degbiwu	100%	N/A	100%
PL. 10/23	Bulenga	100%	N/A	100%
PL. 10/25	Charingu	100%	N/A	100%
PLA	Kandia	Application	N/A	Application
PL. 10/24	Baayiri	100%	N/A	100%
RL. 8/27	Gbinyiri	100%	N/A	100%
RL. 8/28	Gurungu	100%	N/A	100%
RL. 8/31	Jumo	100%	N/A	100%
RL. 8/30	Chasia	100%	N/A	100%
RL. 8/29	Perisi	100%	N/A	100%
RLA	Funsi	Application	N/A	Application
PL. 10/47	Kambale	100%	N/A	100%

- Government of Ghana has the right to acquire a 10% free carried interest in all licences and is entitled to a 5% Gross Royalty on production. All licences are held in 100% owned Ghana based subsidiaries, Carlie Mining Limited and Topago Mining Limited. Where required, Castle has lodged applications for extension of the licences and in those cases may be awaiting renewal or extension of the licences.
- ^ Put Option to sell the Julie West PL to Bunda Resources Limited was exercised in October 2015. Bunda's rights were assigned to Phoenix Resources Limited (Azumah Resources Limited) in April 2016. Transfer by Ghana Government of licence to Phoenix not yet completed.
- Sale agreement for the sale of shares in Topago Mining Limited completed January 2017. Transfer by Ghana Government of shares in Topago to purchaser not yet completed.
- \*\*Castle has the right to acquire an interest in the Exploration Licence Applications when granted