

## Activities Report - December 2021 Quarter

### Highlights

The December 2021 Quarter was an extremely productive period for Castle during which it:

- Substantially expanded its Western Australia battery metals portfolio:
  - Executed a purchase agreement to acquire a granted exploration licence encompassing the historical **Kendenup** graphite workings;
  - Applied for an exploration licence encompassing the **Martigallup** graphite occurrences, adjacent to Kendenup; and
  - Applied for two exploration licences at **Woodcutters**, near Norseman, 25km southeast of the Bald Hill lithium-tantalum mine and 25km northeast of the Liontown Resources Limited (ASX: LTR) Buldania lithium deposit.
- Continued to evaluate the 870km<sup>2</sup> **Earaheedy Basin** base metals project which comprises six exploration licences:
  - the recently granted **Withnell** licence adjacent to the evolving Chinook-Magazine zinc-lead project of Rumble Resources Ltd (ASX: RTR) and north of the Strickland Metals Limited (ASX: STK) Iroquois prospect;
  - the four **Terra Rossa** applications which contain several base metal anomalies and have a stratigraphy in parts that is analogous to the Iroquois prospect; and
  - the **Tableland** application in the south-eastern margin of the Basin which includes similarly prospective stratigraphy.
- Completed soil sampling program at **Beasley Creek** which delineated high-priority drill targets for gold and unexpectedly identified lithium anomalies adjacent to the Rocklea Dome granite.
- Defined at **Polelle** several priority targets for gold and base metals following the completion of a specialist geochemical data review and had granted all eight prospecting licence applications which extend the project 4km north.
- Commenced at the **Kambale** graphite project preparations for a ground EM survey to delineate the full extent of the host graphite schist ahead of a follow-up confirmatory drill program.
- Increased funds by \$0.4 million through the exercise of unlisted options and in January 2022 completed a \$3.6 million placement of new shares to increase working capital to approx. \$6.0 million.

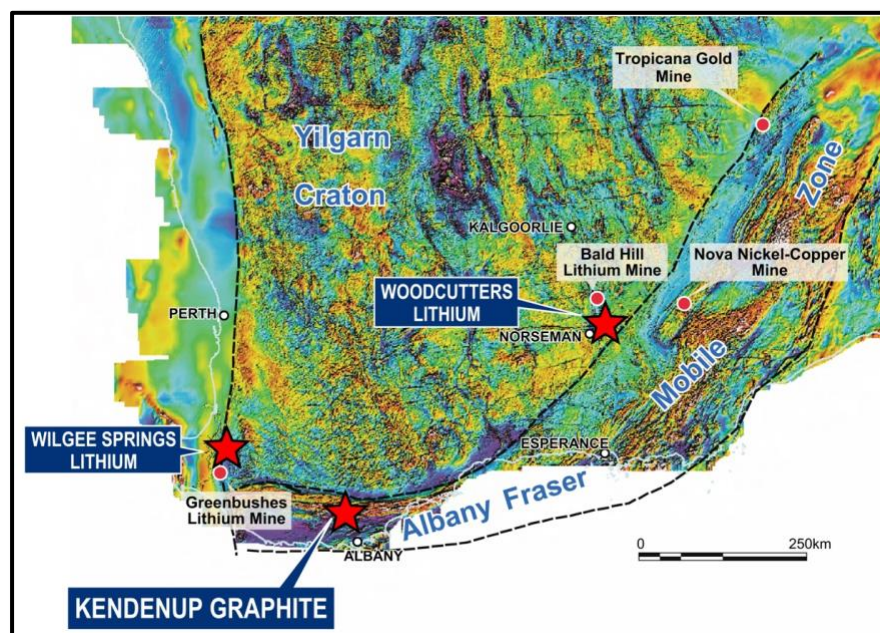
## Next Quarter

Castle has planned a busy March 2022 Quarter with an emphasis on positioning several projects to be drilled. It intends to:

- Extend an existing ground EM survey over the **Kendenup** graphite workings and the **Martigallup** graphite occurrences and RC drill test for extensions to the Kendenup workings.
- Engage consulting specialist geochemist to review **Woodcutters** historical data and undertake verification sampling of outcropping GSWA mapped pegmatites.
- Drill test the Sioux prospect and other targets on the **Withnell** licence.
- Map, sample and infill sample several priority base metal targets on the Earraheedy Basin project's **Terra Rossa** licences.
- Commence a second phase of field reconnaissance at **Tablelands**.
- Prepare access to drill test in the June Quarter 2022 high-priority gold targets at **Beasley Creek** and verify, infill sample and if warranted drill high-priority lithium anomalies.
- Soil and rock chip sampling for base and precious metals at the **Success Dome** project.
- Drill test high-priority gold and base metal targets at **Polelle** and extend geochemical sampling across the recently granted eight northern prospecting licences.
- Undertake a ground EM survey to outline the full extent of the **Kambale** graphite schist and then drill several traverses to confirm its presence and obtain samples for test work on fresh, unweathered material.
- Continue to identify, apply for and/or acquire interests in additional licences and early-stage projects in areas of Western Australia prospective for battery metals.

*NB: All on-ground activities are subject to the respective licences being granted (refer Castle Schedule of Mineral Licences), the obtaining of respective landholder access agreements, native title agreements and heritage clearance surveys and other permits and approvals as required.*

**Fig 1: Location of Castle's southwest Western Australia battery metals projects**



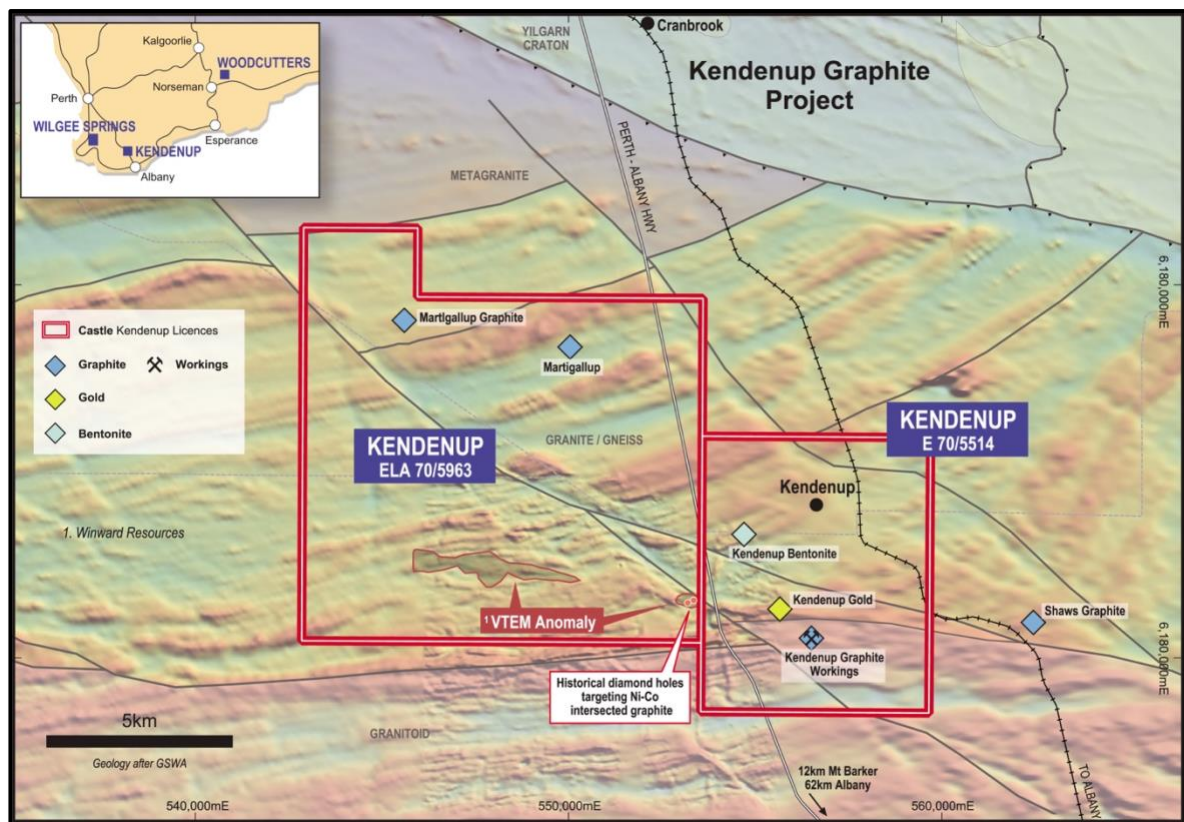
Explorer and project incubator, Castle Minerals Limited (ASX: CDT) (“Castle” or the “Company”), provides the following summary of activities undertaken during the December Quarter 2021 at its Western Australia and Ghana projects (Figs 1 to 7):

## AUSTRALIA

### Kendenup (Graphite)

- 150km<sup>2</sup> of tenure secured over the Kendenup graphite field in the southwest of Western Australia via:
  - Purchase of granted exploration licence hosting the historical **Kendenup graphite workings**, and
  - Application for adjacent open ground hosting the historical **Martigallup graphite occurrences**.
- Graphite mineralisation had been intersected on the Martigallup licence by recent third-party diamond drill testing of an EM anomaly for base metals.
- The EM anomaly appears to be along strike from the Kendenup workings and may represent an extension to the horizon that hosts the Kendenup graphite.

**Fig 2: Kendenup Graphite Project showing historical workings and heli-VTEM anomalies on regional magnetics and GSWA mapped geology**

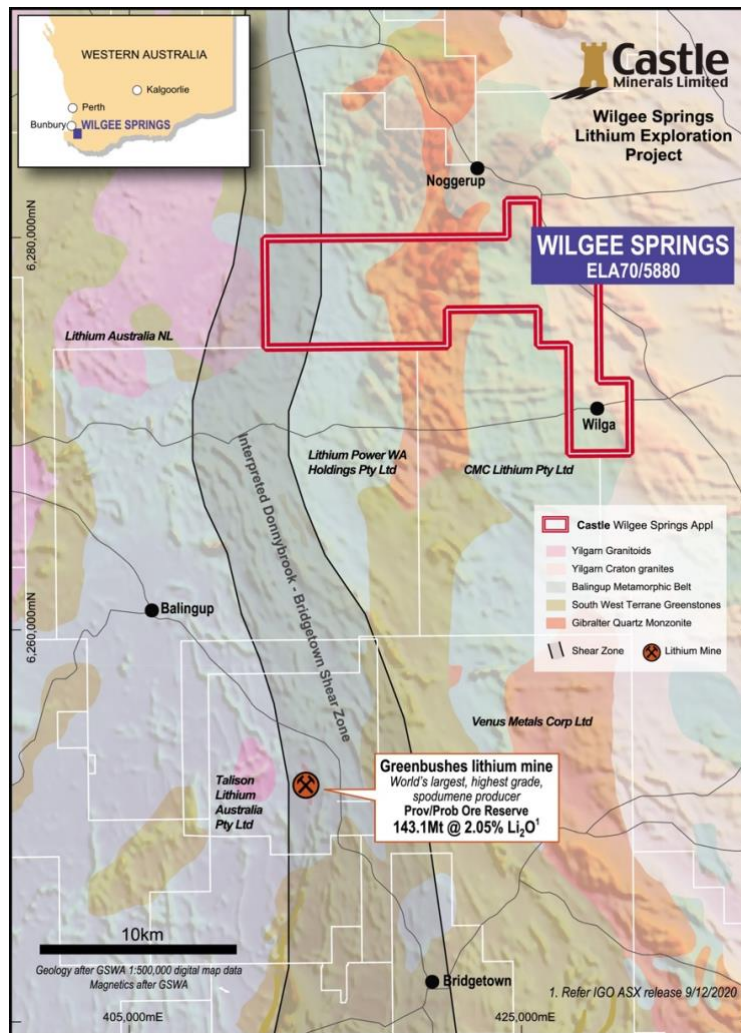


### Wilgee Springs (Lithium)

- The 120km<sup>2</sup> Wilgee Springs exploration licence application encompasses an area considered prospective for lithium bearing pegmatites.
- It lies within same metamorphic belt and along strike of the Greenbushes lithium mine.
- Greenbushes is the world’s largest, highest grade and lowest cost, hard rock, spodumene concentrate producing operation, supplying 21% of global lithium from a Mineral Resource of 178.5Mt at 2.0% Li<sub>2</sub>O (refer IGO ASX release 9 December 2020).

- Castle’s application also joins Lithium Australia P/L, CMC Lithium P/L and Lithium Power Holdings P/L in the same belt.
- Modern advanced geochemical and geophysical exploration technologies will be used to ‘peer’ through the thick laterite cover which has previously hampered exploration.
- An orientation site visit confirmed good access for first-pass, low-impact exploration.

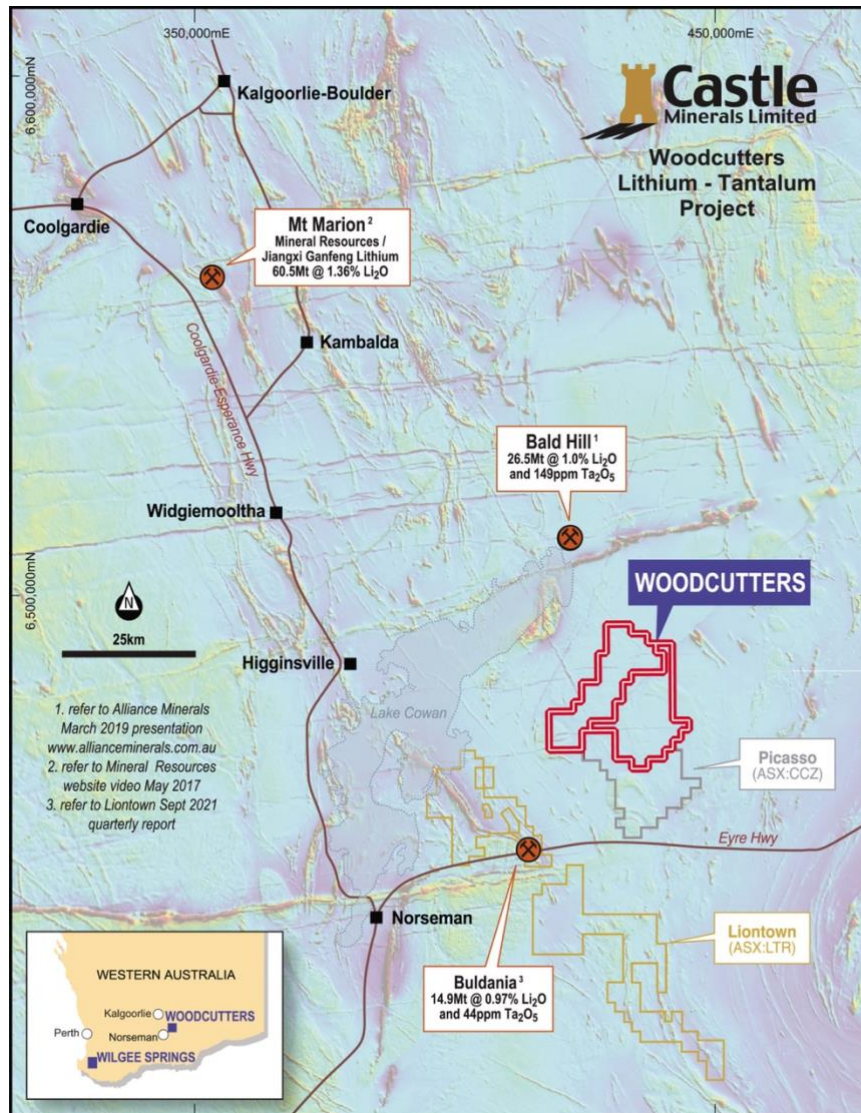
**Fig 3: Wilgee Springs Exploration Licence Application area showing GSWA geology, regional magnetics, the Tier-1 Greenbushes**



### Woodcutters (Lithium)

- Two exploration licences (Woodcutters and Tramways) were applied for 25km north of the Liontown Resources Limited (ASX: LTR) Buldania lithium deposit.
- GSWA mapped numerous pegmatite veins which do not appear to have been drilled or sampled for lithium.
- Elevated lithium values have been noted in multi-element geochemical data from regolith sampling during historical exploration focused on gold.
- Castle has engaged a specialist geochemist to review the historical regolith data and once complete and subject to results, it plans to undertake an initial rock chip and confirmatory geochemical sampling program to determine the area’s prospectivity for LCT-type pegmatites.

**Fig 4: Woodcutters lithium project regional setting**



### Earaheedy (Base Metals)

- The 870km<sup>2</sup> Earraheedy base metals project comprises six exploration licences that were applied for in 2021 and which comprise the **Withnell**, **Terra Rossa** and **Tableland** sub-projects.
- All three areas encompass terrane prospective for base and precious metals.
- The Withnell application is adjacent to the evolving Chinook-Magazine zinc-lead project of Rumble Resources Ltd (ASX: RTR) and north of the Strickland Metals Limited (ASX: STK) Iroquois prospect. The licence was granted during the Quarter.
- The four Terra Rossa applications are immediately east of the Sultan Resources Ltd (ASX: SLZ) Thaduna copper deposit.
- A sixth application covers the Tableland region in the south-eastern margin of the Basin.

### Withnell

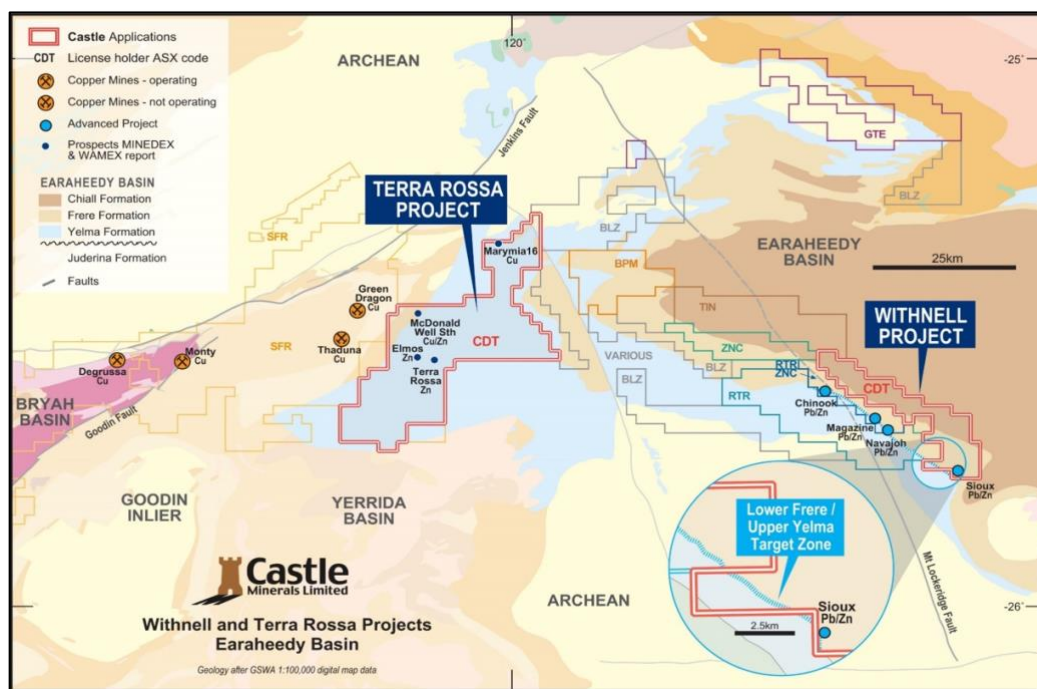
- Public reporting during the Quarter by ASX listed Rumble and Strickland on their properties adjacent to the Withnell licence, and other companies generally in the Basin province, has added considerably to the broader understanding of the styles of mineralisation being encountered by drilling (i.e. SEDEX, MVT), its stratigraphic setting and structural controls.

- RC and diamond drilling in 1997 by an RGC Exploration Pty Ltd and Carnegie Minerals NL joint venture, intersected low-level zinc and lead anomalism on the Withnell licence, including at the Sioux prospect.
- Reviews of historical reports indicate that the Withnell licence could host approximately 3.5km strike of prospective lithologies.
- Castle’s geologists undertook a field orientation site visit to Withnell and Terra Rossa to prepare for the first phase of exploration.
- With the Withnell licence granted, Castle is keen to commence drilling which is subject to the execution of an access agreement and site survey.

### Terra Rossa

- The four contiguous Terra Rossa applications are grouped immediately to the east of the dormant Thaduna copper deposit. They extend north-south for some 40km and host at least six base metal prospects appearing on the GSWA MINEDEX database.

**Fig 5: Earahaedy Basin Project’s Withnell and Terra Rossa sub-projects**



### Beasley Creek (Gold, Base Metals and Lithium)

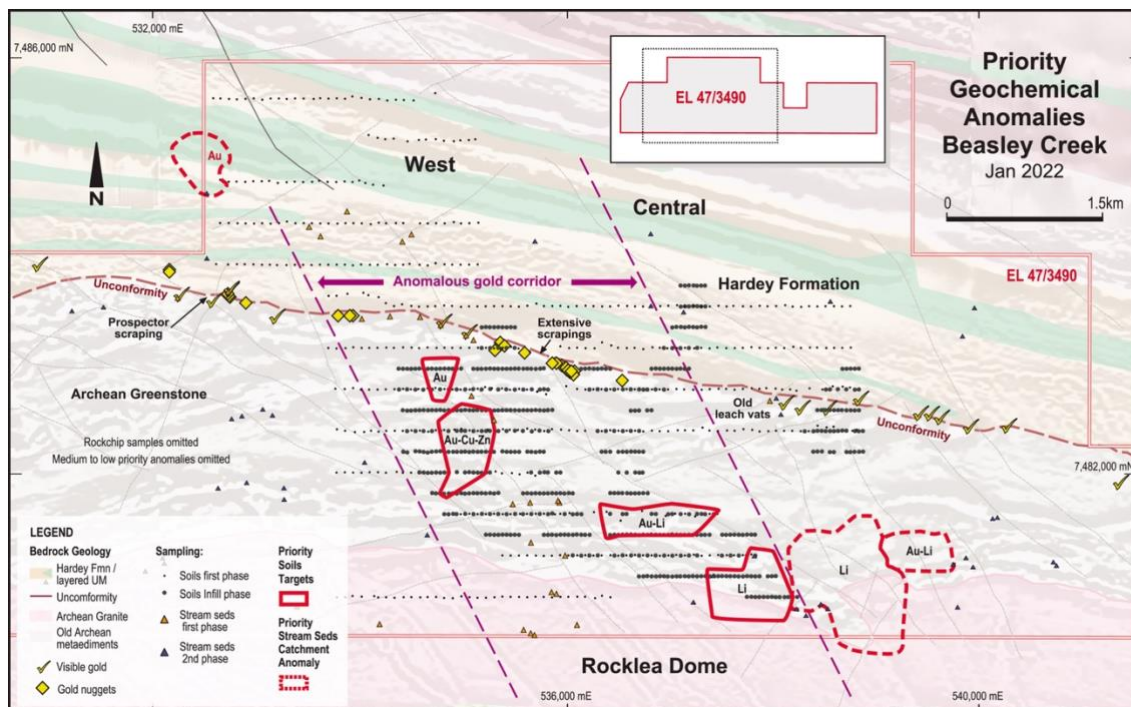
- A specialist geochemical review highlighted four high-priority gold and lithium anomalies for rapid field verification and drilling.
- Numerous other lower-order stream sediment and soil anomalies (total of 23), including for base metals, have also been delineated for follow-up.
- Castle’s recognition that the under-explored older Archean greenstone sequence of rocks at Beasley Creek is prospective for structurally controlled, orogenic-style gold mineralisation is beginning to pay dividends.
- Two of the priority gold targets fall within a structurally bound, northwest trending anomalous corridor in the centre of the licence. They comprise a consistently anomalous 600m zone with associated copper anomalism and a smaller anomalous gold zone with a multi-element association of silver, bismuth, nickel, platinum and palladium. Sample values peaked at 137ppb Au and 1010ppm Cu.

- The two other priority targets have a strong lithium signature in both soil and stream sediment samples. These are located in the southern section of the greenstone rocks, close to their margin with the Rocklea Dome granite.
- Lithium and the anomalous associated pathfinder elements also identified were not a specific target for exploration at Beasley Creek but their elevated values have provided Castle with an additional dimension to its exploration in the region.
- The multi-element signatures of these anomalies are consistent with possible hard rock lithium mineralisation associated with lithium-cesium-tantalum (“LCT”) type pegmatites and their close proximity to the Rocklea Dome granite provides additional encouragement.
- At this stage it is too early to have a firm understanding of the origin of the lithium. It is also stressed that Castle has not yet carried out enough sampling to confirm the source of the lithium or other associated elements and no pegmatites have as yet been identified in the field or are apparent from satellite imagery.
- A field inspection is planned as a priority and before any decision to drill the lithium targets is made.

### EIS Co-Funding

- As the emphasis at Beasley Creek has shifted away from gold mineralisation in the vicinity the unconformity between the Hardey Formation and the underlying Archean greenstone sequence, Castle has informed the GSWA that it no longer requires to drill the deep stratigraphic diamond core holes that were to be co-funded under the Exploration Incentive Scheme (EIS).

**Fig 6: Top-ranked gold and lithium soil and stream sediment anomalies at Beasley Creek**



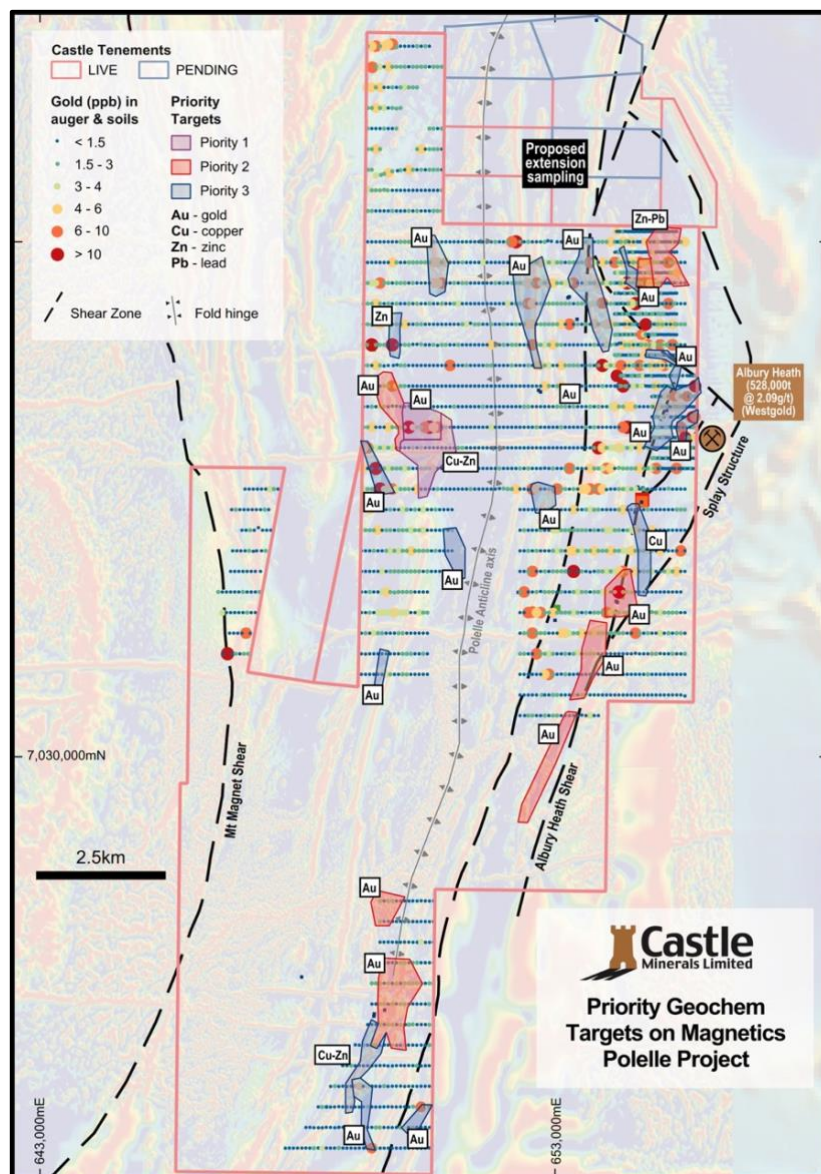
### Success Dome (Gold, Base Metals)

- The reprocessing by Castle of the regional aeromagnetic data covering the Success Dome precious and base metals project in the Ashburton region and the enhanced structural information obtained from that and an initial phase of mapping and reconnaissance sampling has provided an excellent guide for a planned initial phase of exploration once the licence is granted.
- Success Dome is located midway between the Paulsen’s and Ashburton gold deposits and is traversed for several kilometres by the regionally prominent Cheela Thrust fault.

### Polelle (Gold, Base Metals)

- Polelle is 15km south of the Great Boulder Resources (ASX: GBR) Side Well gold project and its 5.1km-long Mulga Bill intrusive related anomaly.
- Adjoining Polelle to the north is the SensOre (unlisted) Tea Well project where its proprietary “AI” technology has predicted a large mineral system.
- The Albury Heath shear zone and its main splay structure extend for a combined 12km on the Polelle licence. Given the close association of gold anomalism with these structures and the success being achieved by Great Boulder and SensOre, the scope for exploration success at Polelle is considered to be strong.

**Fig 7: Polelle project geochemical targets and rankings**



- Following the completion of a specialist geochemical data review of historical and Castle stream sediment, soil and rock chip sampling campaigns, several priority targets for gold and base metals were defined.
- The Company is now making plans to drill test the highest ranked of targets.
- All eight prospecting licence applications extending Polelle 4km north have been granted and multi-element geochemical sampling can now be extended across these.



## Wanganui (Gold)

- At the Wanganui project, 33km south-west of the active Meekatharra mining centre and 15km south-west of the operating Bluebird gold mine, down-plunge and along strike extensions to the existing Main Lode North and South deposits are being pursued, as well as other similar targets. The Main Lode mineralisation, which can be intermittently traced for at least 1km, is one of at least four structurally related mineralised zones.
- Drilling completed by Castle in the December 2020 Quarter indicated the likelihood of extensions to plunging mineralised structures at Main Lode South. These may be tested as an adjunct to proposed drilling at Polelle but is not considered high priority.

## GHANA

### Carlie Mining Limited (Graphite, Gold)

- Carlie Mining Limited is a wholly owned Ghanaian registered subsidiary of Castle that holds all of its Ghana project interests.
- In addition to its Kambale graphite project, Carlie has a substantial and contiguous tenure position in Ghana's emerging Upper West region. Its licence holdings encompass large tracts of highly prospective Birimian geological terrane, the host to many of West Africa's and Ghana's multi-million-ounce gold mines.
- Castle continues to assess options that will see exploration on Carlie's Ghana licence holdings appropriately funded and the value of its Ghana interests fully reflected in Castle's market capitalisation. As previously flagged, this may include additional farm-outs, a sale to a third party or divestment into a new vehicle for listing on ASX. A geologist has been retained to prepare an Independent Technical Assessment Report ("ITAR") which will assist the advance of these options.
- Unlisted Castle retains a **4% net smelter precious metal royalty** over the Julie West licence, a key component of Azumah Resources Limited's Wa Gold Project, which is at an advanced stage of consideration for development.

### Iguana Farm-out

- Pursuant to a Binding Term Sheet executed in July 2019, the Gbiniyiri and Degbiwu licences have been farmed-out to Ghana company, Iguana Resources, which intends to explore for gold and base metals.
- Iguana has not met some of its obligations under the BTS and Carlie has reserved its rights accordingly. Carlie has approached Iguana to attempt to agree a means acceptable to both parties to enable the farm-out arrangement to continue.

### Kambale graphite

- Carlie Mining Limited (a 100% owned Ghanaian registered subsidiary of Castle) has been re-evaluating its Kambale graphite project in northern Ghana given the very positive outlook for the graphite market driven by its growing usage in traditional markets and the now burgeoning electricity storage and EV related markets.
- Castle is preparing to undertake a ground EM survey to assist in determining the full extent of the graphitic schist host which is believed to extend over several kilometres and beyond the current area drilled. It will then follow-up with drill traverses to confirm the schist's presence, its boundaries and variations in quality along strike, across its width and to depth.
- Diamond drilling is then planned to provide reliable samples for geological purposes and for a second phase of test work on fresh unweathered material.

## NEW OPPORTUNITIES

- Castle continues to generate and assess opportunities for possible acquisition with a focus on Battery Metals.

## CORPORATE AND FINANCIAL

- As at 31 December 2021, Castle maintained a consolidated cash position of \$2.55 million.
- The cash position was inclusive of \$0.40 million proceeds arising from the exercise of unlisted options.
- ON 17 January 2022 Castle completed a heavily oversubscribed placement to sophisticated and professional investors that raised \$3.60 million (before expenses). Peak Asset Management acted as Lead Manager to the Placement.
- Castle issued 120,000,000 fully paid new ordinary shares in the Company at an issue price of \$0.03 per share under this placement. Each new share had an attaching listed option exercisable at \$0.055 each, expiring on 31 December 2024 and issued on a 1:3 basis. The Company has successfully applied for quotation of the new shares and options on the ASX.
- The funds raised, combined with existing working capital, increased working capital to \$6.0 million and places Castle on a stronger footing to accelerate work at its Battery Metals projects in Western Australia and Ghana and drill in the first half of 2022 several of the targets it has been defining at its more advanced projects.
- During the December 2021 Quarter, \$342,000 was expended on exploration and evaluation costs. Further details of cashflow movements during the December 2021 Quarter are set out in the accompanying Appendix 5B report.
- The Company made cash payments of \$164,000 to related parties and their associates. These payments relate to the existing remuneration agreements for the Executive and Non-Executive Directors.

Authorised for release to ASX by the Board of Castle Minerals Limited:

### Stephen Stone

Managing Director  
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## About Castle Minerals Limited

Castle Minerals Limited is an Australian Securities Exchange (ASX: CDT) listed and Perth, Western Australia headquartered company with interests in several projects in Western Australia and Ghana that are prospective for battery metals (lithium and graphite), base metals and gold.

The **Earaheedy Basin** project encompasses terrane prospective for base and precious metals in the Earahedy and Yerrida basins base metals provinces. The project comprises the **Withnell, Terra Rossa** and **Tableland** sub-projects. The Withnell application is adjacent to the evolving Chinook-Magazine zinc-lead project of Rumble Resources Ltd (ASX: RTR) and north of the Strickland Metals Limited (ASX: STK) Iroquois prospect. The four Terra Rossa applications are immediately east of the Thaduna copper deposits.

The **Beasley Creek** project lies on the northern flanks of the Rocklea Dome in the southern Pilbara. The strategy is to define orogenic-style, structurally controlled gold targets within the various Archean sequences. The sheared granite - greenstone contact and the “Paulsen Gold Mine” type setting within the gabbro/dolerite units that intrude the Hardey Sandstone in the northern part of the project area, are also of particular interest.

The **Success Dome** project lies in the Ashburton structural corridor and is located midway between the Paulsen’s and Ashburton gold deposits. It is prospective for gold and base metals. Major thrust faults and sub-parallel shear zones highlighted in the regional magnetic and gravity data, combined with additional detailed geophysics data from previous explorers, brought this available area to Castle’s attention.

The **Polelle** project (E51/1843, 162.5km<sup>2</sup>), 25km south of Meekatharra and 7km southeast of the operating Bluebird Mine, hosts a mainly obscured and minimally explored greenstone belt. The belt is comprised of a combination of prospective lithological units and major structural features including the Albury Heath shear which hosts the Albury Heath deposit immediately adjacent to the east boundary of Castle’s licence. Aeromagnetic surveys have indicated that the southwest trending Albury Heath shear and a splay structure are traceable onto the Polelle project area for some 12km.

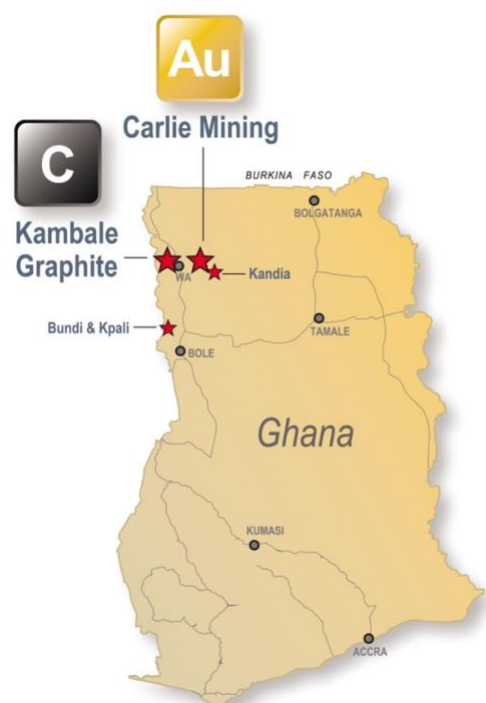
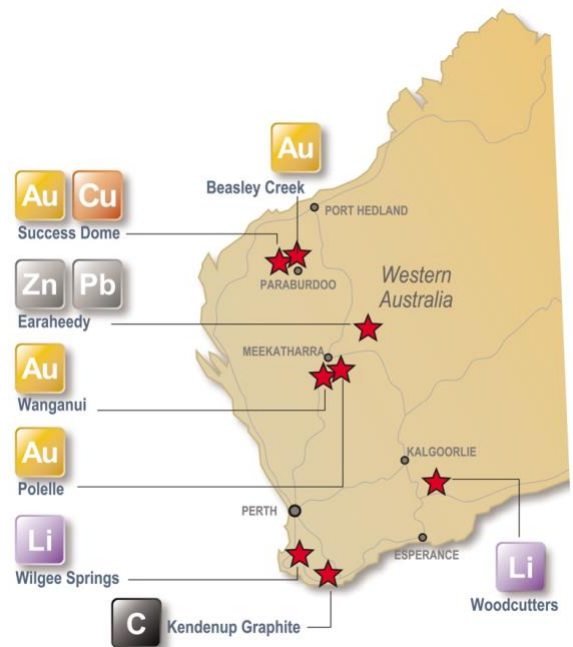
At the **Wanganui** project (E51/1703, 18.4km<sup>2</sup>), 33km south-west of the active Meekatharra mining centre and 15km south-west of the operating Bluebird gold mine, the opportunity is to test for down-plunge and along strike extensions to the existing Main Lode North and South deposits, as well as for other similar targets. The Main Lode mineralisation, which can be intermittently traced for at least 1km, is one of at least four structurally related mineralised zones.

The **Wilgee Springs** project (ELA70/5880, 120km<sup>2</sup>), along strike from and within the same metamorphic belt as the World-Class Greenbushes lithium mine, 25km to the south in Western Australia’s South-Western region, provides an opportunity to explore using the latest geochemical and geophysical techniques for spodumene bearing pegmatites beneath a lateritic cover that has previously hampered exploration.

The **Woodcutters** project (ELA15/1847/1847, 242km<sup>2</sup>) is prospective for lithium bearing pegmatites, 25km southeast of the Bald Hill lithium mine in the Bald Hill pegmatite field region and 25km northwest of the Buldania lithium deposit.

The **Kendenup** project (EL70/5514 – granted) comprises the historical Kendenup graphite workings and an adjacent application encompasses the Martigallup graphite occurrences (ELA70/5963).

In **Ghana, West Africa**, Castle has a substantial and contiguous tenure position in the country’s Upper West region. Ghana has a long history of gold exploration and mining with several world-class gold mining operations owned by Tier 1 mining companies. Castle’s Ghana licence holdings encompass large tracts of highly prospective Birimian geological terrane, the host to many of West Africa’s and Ghana’s multi-million-



ounce gold mines. The project area is also host to the open-ended **Kambale** graphite project for which test work on near-surface samples produced a 96.4% total carbon fine flake graphite concentrate.

Castle retains a **4% net smelter precious metal royalty** over the adjacent Julie West licence, a key component of Azumah Resources Limited's Wa Gold Project.

### Cautionary Statement

All of Castle's projects in Australia are considered to be of grass roots or of relatively early-stage exploration status. There has been insufficient exploration to define a Mineral Resource. No Competent Person has done sufficient work in accordance with JORC Code 2012 to conclusively determine or to estimate in what quantities gold or other minerals are present. It is possible that following further evaluation and/or exploration work that the confidence in the information used to identify areas of interest may be reduced when reported under JORC Code 2012.

The **Kambale graphite deposit** is at an early stage in its evaluation with little known about how extensive the deposit is or how the graphite quality varies within it. Work to date has been undertaken on an easily accessible area which may or may not be representative of the broader deposit once that is known.

To date, the area investigated at Kambale has produced from weathered samples a fine flake size concentrate of a potentially commercially acceptable grade at a reasonably high recovery. Definitive test work on fresh material and material from other parts of the deposit has yet to be undertaken.

### Forward Looking Statement

Statements regarding Castle's plans, forecasts and projections with respect to its mineral properties and programs are forward-looking statements. There can be no assurance that Castle's plans for development of its mineral properties will proceed. 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 be successfully 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.

### 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 Managing 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.

## PREVIOUSLY REPORTED INFORMATION RELATING TO THIS QUARTERLY ACTIVITIES REPORT

Additional details, where applicable, can be found in the releases referenced in this Report and/or in the following releases lodged by the Company with the ASX:

Headline	Date
Castle Completes Oversubscribed \$3.6M Placement	12 Jan 2022
Trading Halt	10 Jan 2022
Change of Registered Office Address	7 Jan 2022

Response to Price Query	4 Jan 2022
Pause in Trading	4 Jan 2022
Change of Registry Address: Automic Pty Ltd Relocation of Perth Office	20 Dec 2021
Results of 2021 Annual General Meeting	30 Nov 2021
2021 AGM Update - Withdrawal of Resolutions 9, 10 & 11	29 Nov 2021
Kendenup Graphite Project Acquired	24 Nov 2021
Application for quotation of securities	10 Nov 2021
Bald Hill Lithium Pegmatite Corridor Applications	10 Nov 2021
Application for quotation of securities	9 Nov 2021
Response to Price and Volume Query	5 Nov 2021
September 2021 Quarterly Report & Appendix 5B	28 Oct 2021
Notice of Annual General Meeting (2021) & Proxy Voting Form	21 Oct 2021
Drill Targets Added and Refined at Polelle	7 Oct 2021
Application for quotation of securities	6 Oct 2021
Notice given under Section 708A(5) of the Corporations Act	5 Oct 2021
Application for quotation of securities	5 Oct 2021
Castle Advances Battery Metals Strategy	5 Oct 2021

## SUMMARY OF MINERAL RESOURCE ESTIMATES

### Mineral Resource Estimates - Gold

Project	Indicated			Inferred			Total			Lower Cutoff Au g/t
	Tonnes t	Au g/t	Au oz	Tonnes t	Au g/t	Au oz	Tonnes t	Au g/t	Au oz	
<b>Kandia 8000 Zone</b>				229,000	1.8	13,000	<b>229,000</b>	<b>1.8</b>	<b>13,400</b>	<b>1.0</b>
<b>Kandia 4000 Zone</b>	1,772,000	1.0	57,700	777,000	0.9	21,500	<b>2,549,000</b>	<b>1.0</b>	<b>79,200</b>	<b>0.5</b>
<b>Kpali</b>				2,914,000	1.1	107,200	<b>2,914,000</b>	<b>1.1</b>	<b>107,200</b>	<b>0.5</b>
<b>Total</b>	<b>1,772,000</b>	<b>1.0</b>	<b>57,700</b>	<b>3,920,000</b>	<b>1.1</b>	<b>141,700</b>	<b>5,692,000</b>	<b>1.1</b>	<b>199,800</b>	

- Refer ASX release dated 2<sup>nd</sup> July 2014 re reporting of Kandia 8000 Zone Mineral Resource and appended JORC Code, 2012 Edition – Section 3
- Refer ASX release dated 2<sup>nd</sup> July 2014 re reporting of Kpali Mineral Resource and appended JORC Code, 2012 Edition – Section 3
- Refer ASX release dated 18<sup>th</sup> January 2014 re “Kpali Drilling Results” incl. of JORC Code, 2012 Edition - Table 1

### Kambale Graphite Deposit Inferred Mineral Resource Estimate (5%C cut-off grade)

Type	Tonnes Mt	Carbon (C) %	Contained C t
Oxide	3.4	7.1	243,000
Fresh	11.0	7.2	793,000
<b>Total</b>	<b>14.4</b>	<b>7.2</b>	<b>1,030,000</b>

- Totals may not add exactly due to rounding
- Refer ASX release dated 24 July 2012 re Maiden Resource Confirms Kambale as One of the World's Largest Graphite Deposits.
- The Mineral Resource estimate was made in July 2012 and complied with recommendations in the Australasian Code for Reporting of Mineral Resources and Ore Reserves (2004) by the Joint Ore Reserves Committee (JORC). Castle is not aware of any new information or data that materially affects the information included in the JORC 2004 Mineral Resource estimate and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply.

The resource estimate released in July 2012 did not include any assumptions about mining, mining dilution, metallurgy or processing methods. No bulk density measurements were undertaken.

The Mineral Resource estimate is not compliant with Australian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves - 2012 edition. No additional technical work has been done since the Mineral Resource estimate was made.

There is insufficient information available for the resource to be re-estimated to be compliant with the Australian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves - 2012 edition. It is possible that following additional technical work, and should a Competent Person be able to undertake a re-estimation of the Mineral Resource to comply with JORC Code 2012, that the Mineral Resource may materially change and/or reduce. Substantial work is required in order to bring the resource into compliance with JORC Code 2012. A timeline and budget for this work has not been established. Several factors not limited to geology, metallurgy, environment, heritage, licencing and permitting, commodity price and market conditions will singularly, or in combination, impact on decisions to undertake and complete this work.

### SCHEDULE OF CASTLE MINERAL LICENCES (as at date of this report)

Tenement and Name		Interest at beginning of Quarter	Acquired / Disposed (during the Quarter)	Interest at end of Quarter
<b>WESTERN AUSTRALIA</b>				
<b>Meekatharra Project</b>				
EL51/1703	Wanganui	100%		100%
EL51/1843	Polelle	100%		100%
PL51/3190	Polelle North	100%		100%
PL51/3191	Polelle North	100%		100%
PL51/3192	Polelle North	100%		100%
PL51/3193	Polelle North	0%		100%
PL51/3194	Polelle North	0%		100%
PL51/3195	Polelle North	100%		100%
PL51/3196	Polelle North	0%		100%
PL51/3197	Polelle North	100%		100%
PL51/3198	Polelle North	100%		100%
<b>Pilbara Project</b>				
E47/3490	Beasley Creek	80%		80%
ELA 08/3257	Success	0%	Application	Application
<b>Earaheedy Basin Project</b>				
EL 69/3860	Withnell	0%	100%	100%

ELA 52/3927	Terra Rosa	0%	Application	Application
ELA 52/3930	Terra Rosa East	0%	Application	Application
ELA 52/3931	Terra Rosa South	0%	Application	Application
ELA 52/3928	Marymia	0%	Application	Application
ELA 38/3641	Tableland	0%	Application	Application
ELA38/3642	Tableland	0%	Application	Application
<b>Kendenup Project</b>				
EL70/5514 <sup>(1)</sup>	Kendenup	0%	100%	100%
ELA 70/5963	Kendenup	0%	Application	Application
<b>Wilgee Springs Project</b>				
ELA70/5880	Wilgee	0%	Application	Application
<b>Woodcutters Project</b>				
ELA 70/5962	Tableland	0%	Application	Application
ELA70/5963	Tramways	0%	Application	Application
<b>GHANA (Carlie Mining Limited)</b>				
<b>Kambale Graphite Project</b>				
PL 10/47	Kambale	100%		100%
<b>Gold Projects</b>				
RLA	Chache	Application		Application
RLA	Jewoyeli	Application		Application
RLA	Takariyili	Application		Application
RLA	Tuole	Application		Application
RL 10/23	Jang	100%		100%
RL 10/13	Wa	100%		100%
PL 10/26	Degbiwu <sup>(2)</sup>	100%		100%
PL 10/23	Bulenga	100%		100%
PL 10/25	Charingu	100%		100%
PLA	Kandia	Application		Application
PL 10/24	Baayiri	100%		100%
RL 8/27	Gbinyiri <sup>(2)</sup>	100%		100%
RL 8/28	Gurungu	100%		100%
RL 8/31	Jumo	100%		100%
RL 8/30	Chasia	100%		100%
RL 8/29	Perisi	100%		100%
RLA	Funsi	Application		Application

<sup>1</sup> Refer ASX announcement 24/11/2021 for acquisition details

<sup>2</sup> Licences included in the Iguana Joint Venture

## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

<b>Castle Minerals Limited</b>
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ABN

83 116 095 802
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Quarter ended ("current quarter")

31 December 2021
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<b>Consolidated statement of cash flows</b>	<b>Current quarter \$A'000</b>	<b>Year to date (6 months) \$A'000</b>
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(342)	(748)
(b) development	-	-
(c) production	-	-
(d) staff costs	(65)	(139)
(e) administration and corporate costs	(68)	(181)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	-	-
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	-	-
1.8 Other (provide details if material)	-	-
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(475)</b>	<b>(1,068)</b>

<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	-	-
(d) exploration & evaluation	-	-
(e) investments	-	-
(f) other non-current assets	-	-



## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>-</b>	<b>-</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	388	1,522
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	400	400
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(104)	(104)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (placement proceeds pending allotment of securities)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>684</b>	<b>1,818</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	2,343	1,801
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(475)	(1,068)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	-
4.4	Net cash from / (used in) financing activities (item 3.10 above)	684	1,818

## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (6 months) \$A'000</b>
4.5	Effect of movement in exchange rates on cash held	-	1
<b>4.6</b>	<b>Cash and cash equivalents at end of period</b>	<b>2,552</b>	<b>2,552</b>

<b>5.</b>	<b>Reconciliation of cash and cash equivalents</b> at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	<b>Current quarter \$A'000</b>	<b>Previous quarter \$A'000</b>
5.1	Bank balances	2,552	2,343
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
<b>5.5</b>	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>2,552</b>	<b>2,343</b>

<b>6.</b>	<b>Payments to related parties of the entity and their associates</b>	<b>Current quarter \$A'000</b>
6.1	Aggregate amount of payments to related parties and their associates included in item 1	164
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

*Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.*

<b>7.</b>	<b>Financing facilities</b> <i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	<b>Total financing facilities</b>	-	-
7.5	<b>Unused financing facilities available at quarter end</b>		-
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		
	N/A		

## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

<b>8. Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1 Net cash from / (used in) operating activities (item 1.9)	(475)
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(475)
8.4 Cash and cash equivalents at quarter end (item 4.6)	2,552
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	2,552
8.7 <b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	5.4
<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
Answer: N/A	
8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
Answer: N/A	
8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?	
Answer: N/A	
<i>Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.</i>	

## Compliance statement

- This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- This statement gives a true and fair view of the matters disclosed.

Date: 24 January 2022

Authorised by: Jade Styants, Company Secretary  
(Name of body or officer authorising release – see note 4)

## Notes

- This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: *Exploration for and Evaluation of Mineral Resources* and AASB 107: *Statement of Cash*

**Mining exploration entity or oil and gas exploration entity quarterly cash flow report**

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*Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.

3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [*name of board committee – eg Audit and Risk Committee*]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.