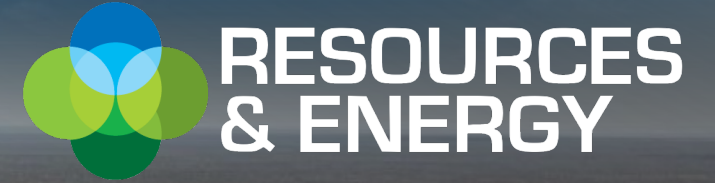


# Market Update

September 2021



**Resources and Energy Group (ASX: REZ)**  
**Near term gold producer and +million-ounce explorer**



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*Granny Venn Open Pit Cut Back Development and Haul Road Construction*

# Project Summary



## Resources and Energy (ASX: REZ)

REZ is an emerging Australian Gold producer with focus on unlocking the resource potential from two **advanced gold projects**:

### 1. East Menzies Gold Field Project (East Menzies):

- Majority ownership of the Historic East Menzies Goldfield;
- Mining Operations at the Granny Venn Open Cut have re-commenced;
- Multiple drill ready prospects and granted Mining Leases with a record of historical production across the 100km<sup>2</sup> tenement holding.

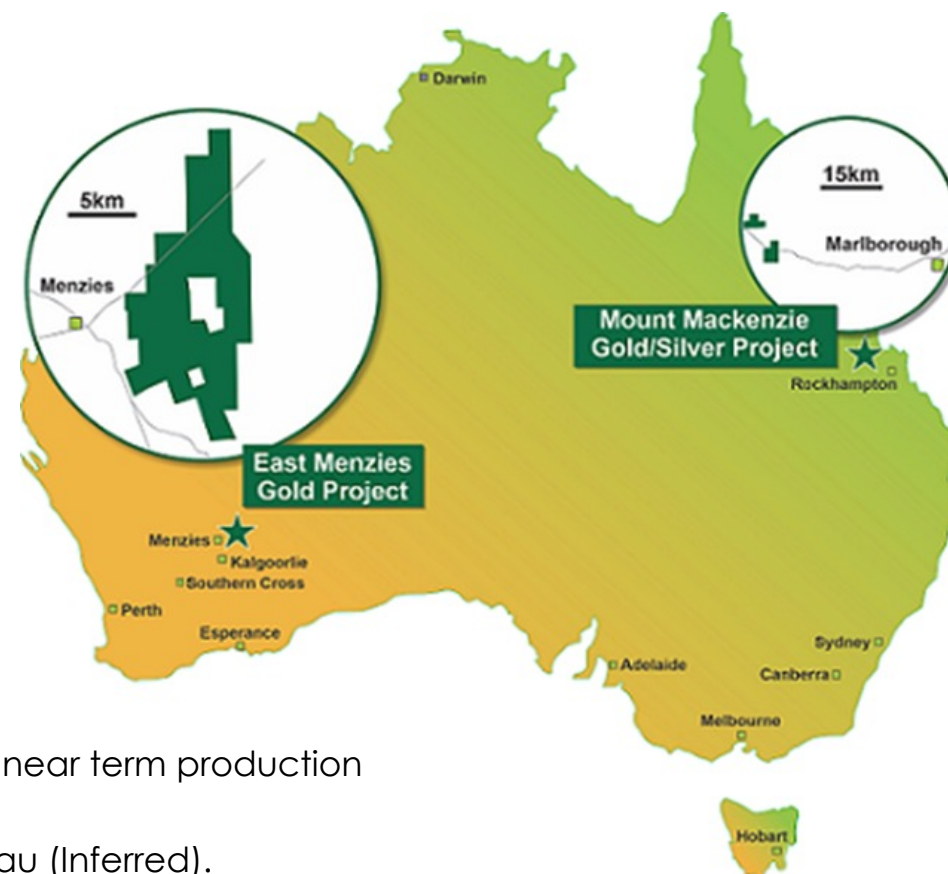
### 2. Mount Mackenzie Gold and Silver Project:

- Defined near surface JORC resource;
- Largest epithermal alteration system in East Australia;
- Located in the Connors – Auburn Arch Qld;
- Analogous to Mount Carlton;
- Working towards conversion of MDL title to ML.

The Company is working towards a **major open cut gold discovery** whilst establishing near term production and cash flow from existing resources.

Combined JORC Resources of 192k oz comprising, 113koz au (indicated) and 79k oz au (Inferred).

Projects are in **close proximity to regional infrastructure, services and facilities**.





# Upcoming Commercial Activities



*"Pay Dirt" High Grade Transitional Gold Ore in the Bucket from Granny Venn  
North Cut-Back*

## East Menzies

- Investigate opportunities to expand Mining operations at Granny Venn, within granted Mining Leases at Goodenough, Maranoa, Springfield.
- Progress RC Drilling and resource definition along the Moriarty Shear Zone at Gigante Grande.
- Continue resource conversion and upgrade resources to JORC 2012 status.
- Expand exploration activity along the Springfield Venn Corridor.
- Commence RC operations in E29/979-Cock Robin, Picnic Hill.

## Mount Mackenzie

- Upgrade resource classification.
- Complete metallurgical studies to investigate primary ore bulk concentrate option.
- Progress project development plan and studies required to convert to ML and commence production.
- Drill test additional resource targets identified at Clive Creek (EPM10006).
- Drill test adjacent prospects – South Slopes, Instinct, Bald Hill and Coppermine Creek (MDL2008).



# Corporate Overview



| Capital Structure                      |            |
|----------------------------------------|------------|
| <b>ASX code</b>                        | <b>REZ</b> |
| <b>Total Issued Capital</b>            | ~431m      |
| <b>Share Price<br/>(at 05/08/2021)</b> | \$0.030    |
| <b>Market Cap</b>                      | ~\$12.95m  |
| <b>Directors holding</b>               | 21.6%      |
| <b>Top 20 holding</b>                  | 56.5%      |
| <b>Top 10 Holding</b>                  | 38.2%      |

| Gold and Silver Resources |              |          |                |             |             |             |             |                |             |             |             |             |                |             |             |             |             |
|---------------------------|--------------|----------|----------------|-------------|-------------|-------------|-------------|----------------|-------------|-------------|-------------|-------------|----------------|-------------|-------------|-------------|-------------|
| Deposit                   | COG<br>(g/t) | Type     | Indicated      |             |             |             |             | Inferred       |             |             |             |             | Total          |             |             |             |             |
|                           |              |          | Tonnes<br>(kt) | Au<br>(g/t) | Ag<br>(g/t) | Au<br>(koz) | Ag<br>(koz) | Tonnes<br>(kt) | Au<br>(g/t) | Ag<br>(g/t) | Au<br>(koz) | Ag<br>(koz) | Tonnes<br>(kt) | Au<br>(g/t) | Ag<br>(g/t) | Au<br>(koz) | Ag<br>(koz) |
| Mount Mackenzie (Oxide)   | 0.35         | Open Cut | 500            | 1.09        | 8           | 18          | 136         | 700            | 0.96        | 4           | 21          | 87          | 1200           | 1.02        | 6           | 39          | 223         |
| Mount Mackenzie (Primary) | 0.55         | Open Cut | 1200           | 1.25        | 13          | 48          | 482         | 1030           | 1.28        | 5           | 42          | 157         | 2220           | 1.27        | 9           | 90          | 639         |
| Goodenough (M29/141)      | 1            | Open Cut | 634            | 1.84        |             | 38          |             | 82             | 1.99        |             | 5.2         |             | 716            | 2.07        |             | 43          |             |
| Granny Venn (M29/189)     | 1            | Open Cut | 134            | 2.03        |             | 9           |             | 41             | 2.14        |             | 2.9         |             | 175            | 2.1         |             | 12          |             |
| Maranoa (M29/427)         | 1            | Open Cut |                |             |             |             |             | 46             | 5.7         |             | 8           | 8.05        | 46             | 5.7         |             | 8           |             |
| Total                     |              |          | 2468           |             |             | 113         | 618         | 1899           |             |             | 79          | 252.1       | 4357           |             |             | 192         | 862         |

Note: 41m unlisted options with strike prices 5.0c to 20c with expiry dates ranging from 31 March 2021 to 14 October 2025.



# East Menzies Gold Field Project



## Advanced Exploration Targets in a Highly Prospective Goldfield.

Located in the **Menzies Goldfield**, 130km north of Kalgoorlie.

Within the Bardoc Tectonic Zone-a highly prospective orogenic lode gold province which has a prolific history of major gold discoveries and production.

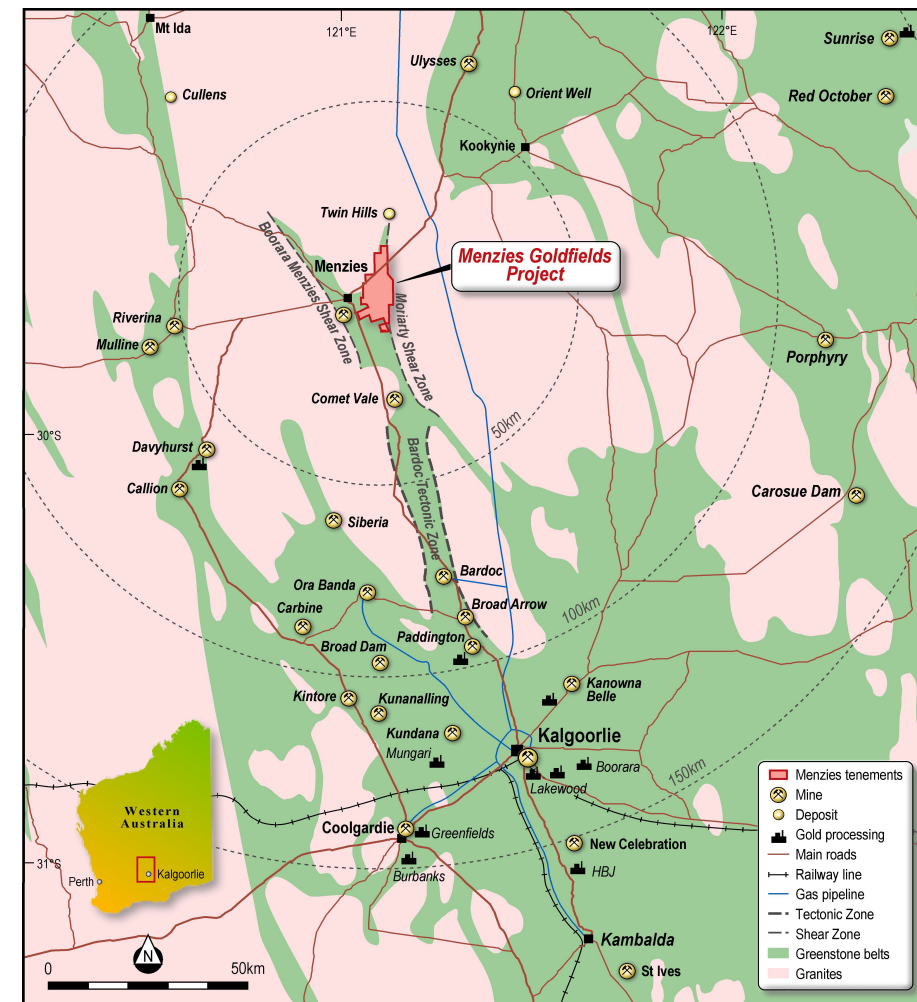
The Project is in an advanced stage of investigation with over 400 workings with a history of gold mining activities dating back to the 1880's.

100km<sup>2</sup> of contiguous mining, exploration and prospecting titles:

- **3 Mining Leases and 1 approved Mining Proposal**
- **2 Mining Lease Applications (proceeded to Native Title)**
- **48 Prospecting Leases**
- **1 Exploration Lease**

These tenements represent high quality productive and prospective ground for gold, equal to any undeveloped ground in the Kalgoorlie region.

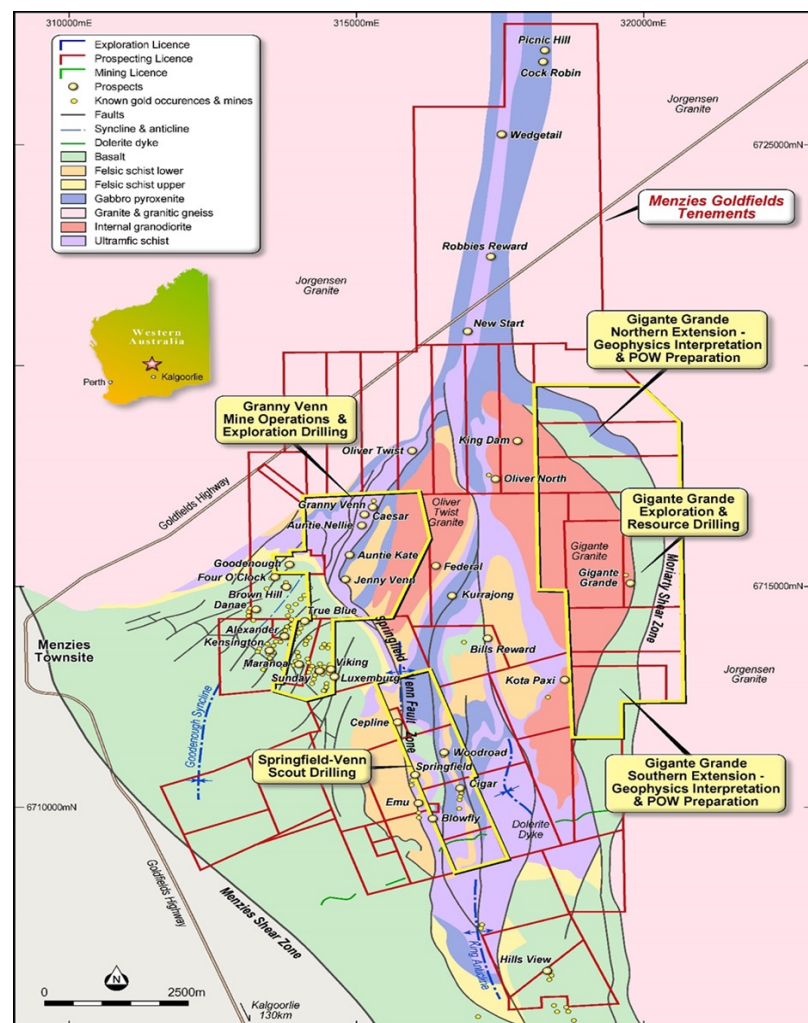
Incorporates a **20km strike length of gold fertile structures including the well known Springfield-Venn Fault Zone and the Gigante/Moriarty Shear Zone.**



East Menzies Gold Project-Regional Location



# East Menzies Gold Field Project



East Menzies Gold Project Tenement and Operations Plan

## High Probability of Finding Resources

- Significant mineralised structures within East Menzies include the **Springfield Venn Fault Zone**, the **Goodenough Syncline**, the **King Anticline** and the **Gigante/Moriarty Shear Zone**.
- Drilling investigations at **Gigante Grande** have intersected **multiple broad zones of granite hosted gold mineralisation adjacent to the Moriarty Shear Zone, with over 8km of strike**. Analogies to Gruyere and King of the Hills deposits.
- The **Springfield-Venn Fault Zone** is already host to multiple project areas and over 30 prospects. Immediate drillable targets with approved Programs of Work distributed over a strike length of 20km.
- Some of the most outstanding grades in the Menzies region have come from the North area, including reported grades of **22.25g/t at the New Start prospect** and **98.5g/t at the Cock Robin prospect**.
- The King Anticline, extending from King Dam through Spion Kop south to the anticlinal culmination of the “Goodenough Chert” is largely devoid of exploration, and is prime exploration ground.
- **Mining Operations at M29/189 Granny Venn Recommenced in July 2021, and first milling campaign scheduled for September.**

# East Menzies – Gigante Grande



## REZ in Pursuit of a Major Gold Discovery at East Menzies

**RC drilling** operations at **Gigante** commenced in September 2020.

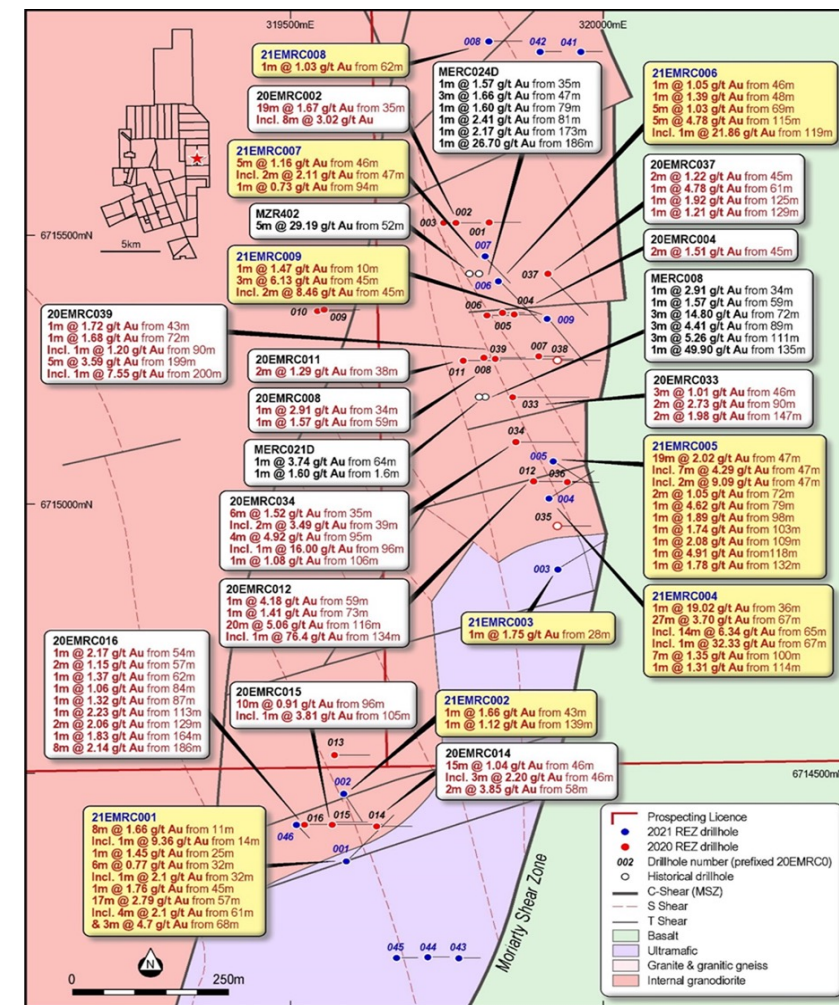
Since that time, 8770m of drilling has successfully been tested for potential for mineralisation. 30 of the 44 holes drilled have collectively intersected over 111 intervals of gram level mineralisation, with an **aggregated thickness of 434m, and weighted grades of 2.29g/t au.**

Work is proceeding to infill drilling and blocking out areas for resource estimation.

Significant results from north to south over the prospect include;

- **20EMRC002** 21m at 1.4gt/au from 31m
- **20EMRC012** 24m at 4.27g/t from 112m
- **20EMRC001** 17m at 2.79g/t au from 57m
- **21EMRC004** 27m at 3.7g/t au from 65m
- **21EMRC005** 19m at 2.02g/t au from 47m

These results are very strong indicators that the Gigante Grande Prospect has the potential to support a large and shallow open-cut gold mining operation.





# East Menzies – Gigante Grande



## REZ in Pursuit of a Major Gold Discovery at East Menzies

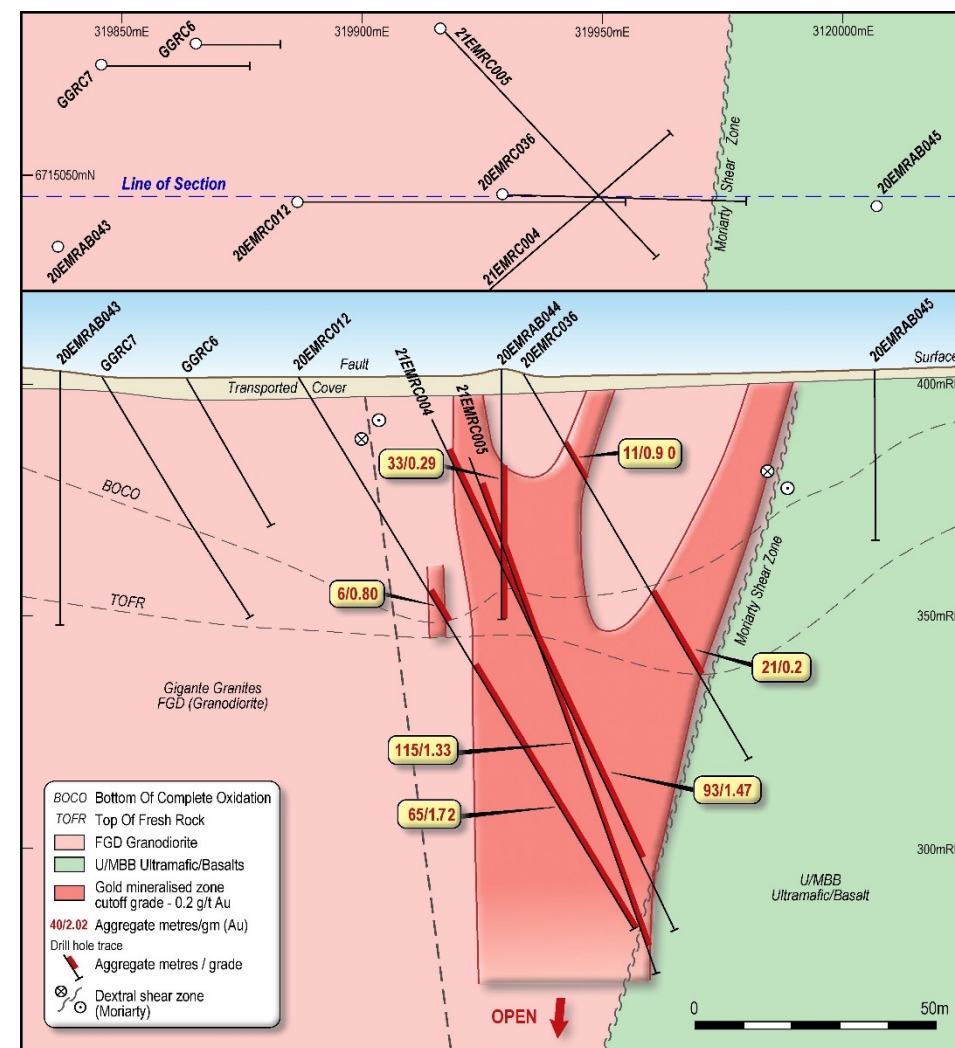
Due to its structural heterogeneity, the Gigante Grande prospect has the potential to be a very big system, which may have analogies with Gruyere and King of the Hills.

The Company has secured additional prospecting licences north and south of the original discovery. This unlocks a further 4.6km strike length of Prospective Ground along the Moriarty Shear zone and its contact with the Gigante Granite for exploration. Bringing total strike to just over 8km. Modelling work for initial resource evaluation and target generation has commenced.

Some highly impressive aggregate<sup>(1)</sup> intervals of gold mineralisation include:

- **20EMRC12** 65m at 1.72gt/au from 71m
- **21EMRC01** 35m at 0.7gt/au from 11m and 19m at 2.51gt/au from 56m
- **21EMRC04** 93m at 1.47gt/au from 28m
- **21EMRC05** 115m at 1.33gt/au from 18m

(1) At COG of 0.2g/t and inclusive of up to 8 consecutive meters of internal dilution <0.3gt/au



# East Menzies – Granny Venn Mining Operations



## REZ mining at Menzies for the first time since 1998

The following key milestones have been achieved:

- Contractor mobilised and site facilities established;
- Mine Proposal and PMP approved;
- Clearing Permit and Water Licenses approved;
- Notice of Commencement of Operations lodged;
- First ore production commenced;
- First gold pour scheduled for September.

Grade control drilling has intersected exceptional results

- **21EMRC033** 26m at 3.73g/t au from 1m
- **21EMRC038** 10m at 5.12gt/au from 13m
- **GVDD21002** 24m at 3.19gt/au from 6.9m
- **21EMRC056** 12m at 3.69gt/au from 11m

Near Term Production Target of 120kt @ 2.3gt/au for 8,800oz.

Investigating options to expand operations to include additional satellite resources.



*Granny Venn North Cut Back Ore removal*



# East Menzies – Springfield



In late June, the Company commenced a scout program of RC drilling along the south-western side of the East Menzies Gold Project Area known as Springfield.

The drilling is targeting historical +40ppb RAB and Auger gold anomalies. The documented occurrences of altered Komatiites and sulphides north of Springfield at the Cepline Prospect are prospective features for the occurrence of volcanogenic nickel and base metal deposits as well.

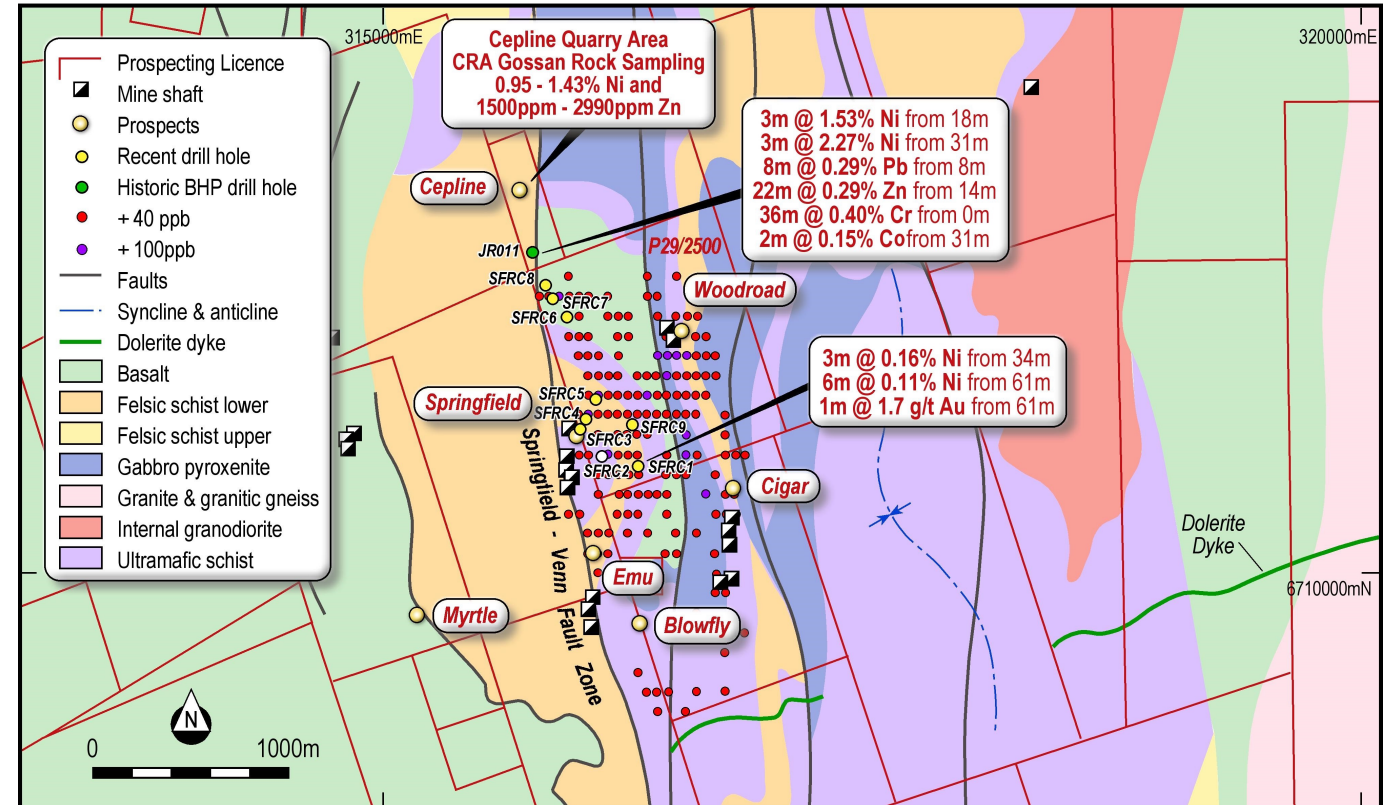
Historic Exploration by BHP RDHJR011

- **3m @ 1.53% Ni from 18m, and 3m @ 2.27% Ni from 31m**
- **8m @ 0.29% Pb from 5m**
- **22m @ 0.29% Zn from 14m**
- **36m @ 0.4% Cr from 0m**
- **2m @ 0.15% Co from 31m**

Recent Results from REZ Drillhole SFRC01

- **3m @ 0.16% Ni from 34m, and 6m @ 0.11% Ni from 61m**
- **1.7g/t au from 53m**

Planning is underway to follow up these results and to further test the prospectivity of the interflow sulphides over the Springfield area.



*Geological Plan showing Springfield Prospects Historic and Recent Drilling*

# Mount Mackenzie Gold and Silver Project



## Near Term Open Cut Gold and Silver Mine Development

150k north of the Rockhampton-Regional Mining Hub.

New England Fold Belt, Conner Auburn Arch Province which has delivered over 50 million ounces of gold as well significant amounts of copper and silver.

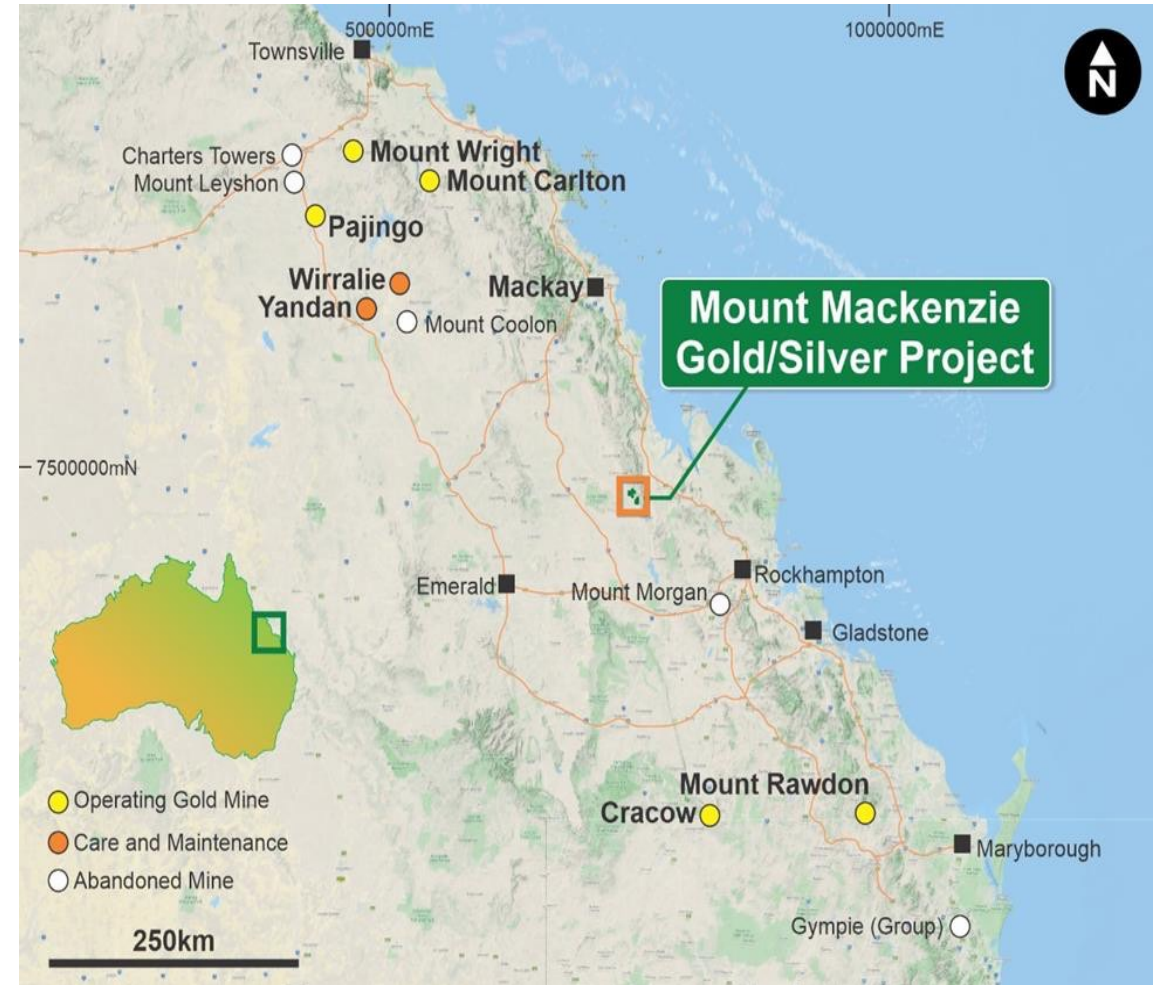
The largest high sulphidation epithermal system in Eastern Australia, and is analogous with the Mount Carlton deposit, which is located in the same geological province.

Completed a scoping study with overall tonnage and a project FCF on 67,000 oz au milled of \$63m (@ \$2,550/oz).

Drill program to upgrade the primary resource completed in April 2021.

Metallurgical studies to investigate the ability to produce a sulphide concentrate to increase resource recovery have commenced.

Work has started on preparation of an application for an Environmental Authority which is pre-requisite for grant of a Mining Licence.



Mount Mackenzie Gold and Silver Project-Regional Location

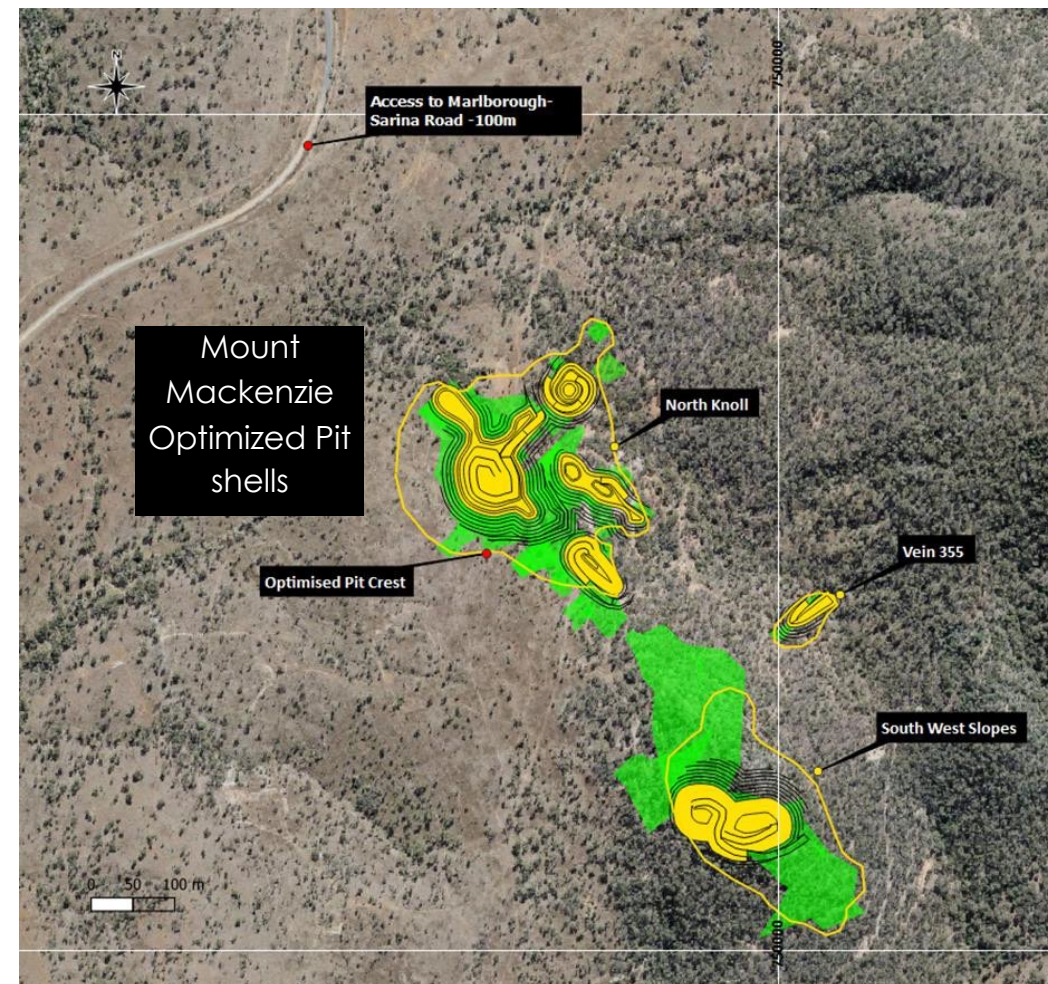


# Mount Mackenzie Gold and Silver Project



## Key Statistics

|                                  |                                          |
|----------------------------------|------------------------------------------|
| <b>Ownership</b>                 | 100% Mount Mackenzie Mines Limited (REZ) |
| <b>Location</b>                  | Queensland - Australia                   |
| <b>Tenement Status</b>           | Granted Mineral Development License      |
| <b>Commodity</b>                 | Gold-Silver                              |
| <b>Deposit type</b>              | High Sulphidation Epithermal             |
| <b>Status</b>                    | Pre-Development/Scoping                  |
| <b>Global Resource</b>           | 129koz Au + 862koz Ag                    |
| <b>Resource Status</b>           | JORC 2012                                |
| <b>Resource Class</b>            | 1.70Mt Indicated, 1.73Mt Inferred        |
| <b>Mine type</b>                 | Open Cut                                 |
| <b>Plant Type</b>                | Conventional CIL                         |
| <b>Proposed Milling capacity</b> | 500kta                                   |
| <b>Proposed Production</b>       | 67koz Au: 392koz Ag                      |
| <b>Estimated C1 Cash Costs</b>   | \$1,397/oz                               |
| <b>LOM Strip Ratio</b>           | 4.1 (t:t)                                |
| <b>Mine life</b>                 | 62months                                 |
| <b>Free Cash Flow</b>            | \$63m net assumes no concentrate         |



Mount Mackenzie Gold and Silver Project Optimised Open Pit Shells at \$2450 au /oz

# Mount Mackenzie Gold and Silver Project



The Mount Mack tenement package encompasses a surface area of 26km, which are host to 9 prospects (within 2-6km):

- North Knoll, SW Slopes, East Knoll, Bald Hill, South Knoll
- Instinct
- Coppermine Creek
- Clive Creek, Quinine Gully, Sphinx Hill.

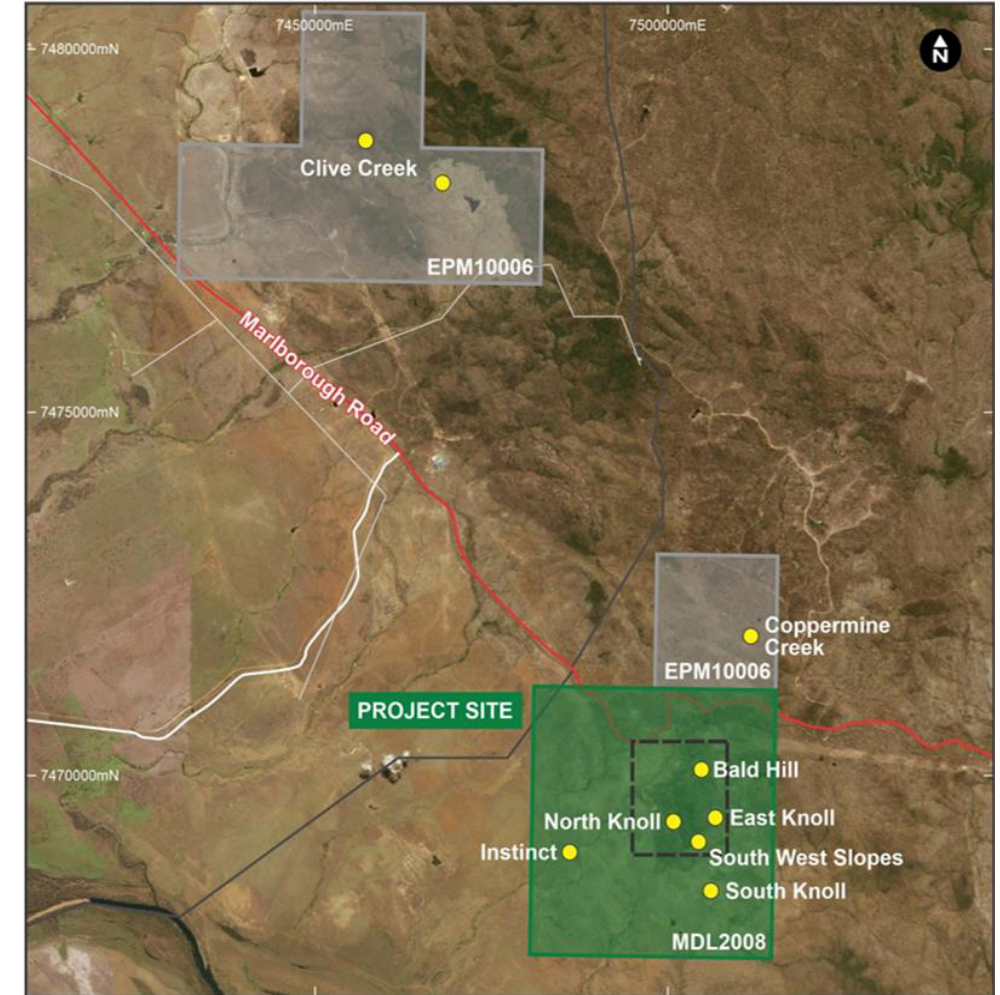
The Instinct prospect is targeting a deep Porphyry Gold Silver and Copper system.

Clive Creek prospects are targeting an epithermal system of comparable scale to the existing North Knoll and South West Slopes i.e. a +150,000oz resource.

Coppermine Creek represents a number of unexplored shallow copper workings identified to the north of Mount Mack.

REZ has focussed solely on the top 100m of North Knoll and South West slopes which have so far yielded an optimised open cut resource comprising JORC 2012 129,000 oz of Gold and 862,000 oz of Silver.

Mineral Development Licence granted over the existing resource and surrounding prospects



Mount Mackenzie Gold and Silver Project Prospect Locations



# Board and Management



## **Gavin Rezos – Chairman**

Gavin has extensive Australian and international investment banking experience and is a former investment banking Director of HSBC Group with regional roles during his career in London, Sydney and Dubai. Gavin has held CEO or directorship roles of companies in the technology and resources sectors in Australia, the UK and the US and was formerly Chairman of Alexium International Group Limited, a non-executive director Iluka Resources Limited and of Rowing Australia. He is currently Non Executive Chairman of Vulcan Energy Resources Limited and of Kuniko Limited and is a principal of Viaticus Capital.



## **Richard Poole – Director**

Richard has built a diversified portfolio of projects and companies including mining, energy, media and online in Australia and internationally, including two from scratch to revenues of approx. \$500m. He has raised funds for multiple projects and assisted growing start ups beyond \$1B market cap. Richard is also Co-founder, investor and was Executive Strategic and Operations Director of Entrust Energy US, based in Texas with operations in 13 states, creating partnerships and working with Shell Energy North America and Nippon Gas (Japan). He is now focussed on building Hunter Energy and REZ into significant groups.



## **J. Daniel Moore – Director**

Daniel has gained experience working with emerging companies in natural resources. He has been involved with Resource & Energy Group's East Menzies Goldfields since 2013 when it was first listed on the ASX. Daniel is currently a Director of Marquee Resources (ASX: MQR) and a founder of Koch Metals and Centenario Lithium. Previously he held Non-Executive Director roles at iCollege (ASX: ICT), Coronado Resources now Race Oncology (ASX: RAC) and Stratum Metals now Locality Planning Energy (ASX: LPE).



## **Warren Kember – Chief Financial Officer & Company Secretary**

Warren is the Chief Financial Officer and Company Secretary of the Group and is responsible for directing all financial, legal and risk management. Warren has significant experience in executive finance having served as Chief Financial Officer for a number of ASX listed companies in the construction, mining and technology sectors. More recently he was the Chief Financial Officer and, ultimately, the Chief Executive Officer of Australian Power & Gas Limited, a high growth, ASX listed energy retailer.



## **Michael Johnstone – Exploration Manager and Chief Geologist**

Michael has 38 years of mining and exploration experience in the resources sector. During this time he has managed exploration programs or contributed significantly to mining studies related to the assessment and development of mineral resource projects in Australia, India, Pakistan, Philippines, Vietnam and New Zealand. Michael has a successful track record in the identification, exploration and development of large resource projects and is a long standing Member of the Australasian Institute of Mining and Metallurgy (MAusIMM).



# Contact

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Mt Mac Gold and Silver - Qld





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This presentation contains information initially provided in the releases made by the Company to the ASX for the Mt Mackenzie mine and East Menzies Project. The Company is not aware of any new information or data that materially affects the information included in previous ASX announcements and that all material assumptions and technical parameters underpinning the estimates in the announcement continue to apply and have not materially changed.

The information in this presentation that relates to exploration results of East Menzies and Mount Mackenzie projects is based upon information extracted and reviewed by Mr Michael Johnstone, Principal Geologist with Minerva Geological Services Pty Ltd. Mr Johnstone is a Member of the Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the style of mineralisation and the type of deposit under consideration and to the activity which they have undertaken to qualify as a Competent Person as defined in the 2012 edition of the 'Australian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Michael Johnstone consents to the inclusion in this report of the matters based on their information in the form and context in which it appears.