



ASX Announcement

29 October 2024

September 2024 Quarterly Activities Report

Highlights

Corporate

- « **~\$98M in cash and listed investments¹** and no debt at quarter-end.
- « Targeted reduction in corporate overhead and project expenditures implemented in August 2024 – expenditure rate declining to **~\$1M per month** by end of December 2024.
- « Company remains focussed on progressing the Gonneville Pre-Feasibility Study (PFS) and key regional exploration activities while maintaining a **strong financial position**.

Gonneville PGE-Ni-Cu-Co Project, Western Australia (100% owned)

- « Project approved as a **'Strategic Project'** by the Western Australian State Government and awarded **'Major Project Status'** by the Australian Federal Government – **formal recognition of the significance of the Project to WA and the nation**.
- « The **Pre-Feasibility Study (PFS) continues** with the key focus on process flowsheet development and metallurgical testwork to optimise the Project – targeting completion of the study in mid-CY25:
 - « Comprehensive testwork program ongoing on 12 composites made from over 100 variability samples, derived from 33 dedicated metallurgical drill holes – a **critical step to de-risk and optimise the Project**.
 - « Comminution testwork utilising High Pressure Grinding Rolls (HPGRs) has been successful and demonstrated the potential for a **~30% decrease in power consumption** for the comminution circuit, relative to conventional SAG-ball milling assumed in the 2023 Scoping Study.
 - « Ongoing leach testwork on oxide and flotation tails has highlighted the potential for a **material reduction in operating costs** without materially affecting recoveries.

West Yilgarn Province Exploration, Western Australia

- « Significant exploration drilling programs ramping up across the Province in Q4 CY24.
- « **Three new multi-kilometre scale gold targets identified at the 100%-owned Barrabarra Project:**
 - « Barrabarra hosts significant areas of **prospective, untested Archean greenstone belt geology**, transected by prominent regional-scale structures.
 - « First-pass aircore (AC) **drilling to commence in November 2024**.
- « New **~2.4km long Kann copper-gold-PGE target** defined at the Northam JV Project (Chalice earning 70%) – first-pass AC **drilling to commence in December 2024**.

¹ Includes ~\$14M of listed investments as of 30 September 2024

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1. Exploration and Development Activities

1.1 Gonneville PGE-Nickel-Copper-Cobalt Project, WA (100%-owned)

1.1.1 Overview of activities

Chalice's strategy for the Gonneville Project (the "Project") is to progress development studies and regulatory approvals to deliver an optimised, staged development plan for the Project. In parallel, Chalice also continues to engage with potential strategic offtake / financing partners for the Project.

In September 2024, WA Premier the Hon. Roger Cook MLA awarded 'Strategic Project' status to the Project. In October 2024, Commonwealth Minister for Industry and Science, the Hon Ed Husic MP, granted 'Major Project' status to the Project. The formal recognition by government confirms the strategic significance of the Project to WA and the nation.

The Pre-Feasibility Study (PFS) continued during the quarter, with the key focus being on metallurgical testwork, geo-metallurgical domaining and defining an optimal processing flowsheet.

The purpose of the PFS is to assess the technical viability of the Project, select a preferred staged development pathway to progress into a Feasibility Study (FS), and deliver an economic evaluation that can be tested using a range of macro-economic assumptions. Chalice is targeting completion of the Pre-Feasibility Study (PFS) by mid-CY25.

In early July, Chalice signed a strategic non-binding Memorandum of Understanding (MOU) with Mitsubishi Corporation, who are considered a top-tier strategic partner. The intent of the MOU is to investigate a potential binding partnership within 90 days of PFS completion.

The Company continues to collaborate with Mitsubishi Corporation under the MOU to determine optimal marketing and offtake solutions for future Gonneville products and to optimise the Project to maximise value and optionality.

Marketing discussions continued with various copper and nickel smelters, and precursor Cathode Active Material (pCAM) refiners globally. There continues to be strong interest in offtake and the market continues to be tight for both copper and nickel concentrates.

Chalice invested ~\$4.2M during the quarter on pre-development activities.

1.1.2 Government award of Strategic and Major Project Status

On 17 September 2024, the Premier of Western Australia and Minister for State and Industry Development, Hon Roger Cook MLA, awarded 'Strategic Project' status to Gonneville under Western Australia's Lead Agency Framework.

The Lead Agency prioritisation framework is designed to focus the efforts of government towards those projects that need to proceed first to deliver on the State's decarbonisation and economic diversification agenda.

The Green Energy Major Projects group within the Department of Jobs, Tourism, Science and Innovation (JTSI) will assume Lead Agency responsibility for the Project and provide a high level of project facilitation, including for regulatory approvals and infrastructure requirements.

In addition to this support, environmental approvals for the Project will be assessed through the new Green Energy Assessment Unit. This dedicated team within the Department of Water and Environmental Regulation is tasked with supporting the Environmental Protection Authority to facilitate the streamlined assessment of Green Energy projects such as Gonneville.

On 14 October 2024, Commonwealth Minister for Industry and Science, the Hon Ed Husic MP, granted 'Major Project Status' to Gonneville.

Commonwealth 'Major Project Status' enables strategically significant projects to obtain extra support and coordinated approvals. It will see the Major Project Facilitation Agency (MPFA) within the Commonwealth Department of Industry Science and Resources provide case-management support to assist Chalice in navigating Commonwealth approval processes.

The MPFA will also liaise with the Western Australian Department of Jobs Tourism, Science and Innovation (JTSI) to ensure that its case management support complements that provided by the Western Australian Government.

1.1.3 Pre-Feasibility Study

The PFS remains on track for completion in mid-CY25. It is currently investigating a two-stage development plan:

- « **Stage 1** – a ~3+ year, high-grade selective open-pit mining phase, utilising a simple concentrator-leach process flowsheet to produce Cu-PGE-Au concentrate, Ni-Co-PGE concentrate and PGE-Au doré.
 - « This stage aims to de-risk the project, targeting a materially reduced upfront capital cost and increased margin relative to the 2023 Scoping Study cases.
 - « During this phase a 'midstream' flowsheet to further process Ni-Co-PGE concentrate would be trialled on actual concentrate feed, to de-risk Stage 2.
 - « Importantly, selective mining initially preserves the long-term, larger scale bulk mining opportunity, as lower grade material would be stockpiled for future processing.
- « **Stage 2** – a long-life, bulk open-pit mining phase at a larger processing throughput rate, utilising a concentrator-leach-midstream flowsheet to produce Cu-PGE-Au concentrate, a lithium-ion battery precursor Ni-Co product and PGE-Au doré. A transition to bulk underground mining longer-term will continue to remain a possibility however is not currently in scope for the PFS.

Key activities during the quarter included:

- « Metallurgical testwork on 12 composites made from over 100 variability samples being tested, derived from 33 dedicated metallurgical drill holes:
 - « Comminution testwork utilising High Pressure Grinding Rolls (HPGRs).
 - « Flotation testwork utilising two laboratories – batch testing continued to evaluate different flowsheet configurations and new reagents to optimise selective recovery, concentrate quality and operating costs.
 - « Leach testwork on oxide and flotation tails – testing has focussed on optimising palladium recovery in ambient temperature conditions, utilising carbon-in-leach (CIL) techniques to reduce operating costs.
 - « Hydrometallurgical testwork – testing of PGE recovery alternatives including flotation and leaching of POx residues.
- « Geo-metallurgical domaining of the deposit – investigations focussed on nickel distribution and deportment and mineralogical differences across domains.
- « Collaboration with Western Power on the SWIS grid connection design and development.
- « Commencement of assessment of staged development mining schedules to identify the optimum start-up and expansion throughput. This work will continue to iterate as input assumptions are refined from metallurgical testwork, marketing and cost estimation studies.
- « Tailings Storage Facility (TSF) design was finalised during the quarter, with optimal staging of construction and sustaining capital spend to be determined once the mine plan is finalised.

The PFS remains on track with an estimated ~A\$9M further expenditure to complete, which is comfortably covered by Chalice's cash and investments balance of ~A\$98M at 30 September 2024.

1.1.3.1 Metallurgical testwork and process flowsheet design

Several processing flowsheet options are being investigated, with the aim of maximising metallurgical recoveries while minimising costs and risk. Given the large scale of the Resource and unique characteristics of the Project, flowsheet design and optimisation are likely to continue throughout the study phases, with additional flowsheet steps and capital investment alternatives continually assessed.

The flowsheet is designed primarily on sulphide material, but also allows for the potential blending of stockpiled oxide material with flotation tails for leaching of palladium and gold over time.

A midstream process is under consideration for Stage 2, whereby instead of selling Ni-Co-PGE concentrate to a nickel smelter, further processing of nickel rougher concentrate would aim to produce a lithium-ion battery precursor Ni-Co product, and PGEs would be recovered and sold in either in copper concentrate or leached into doré (Figure 1).

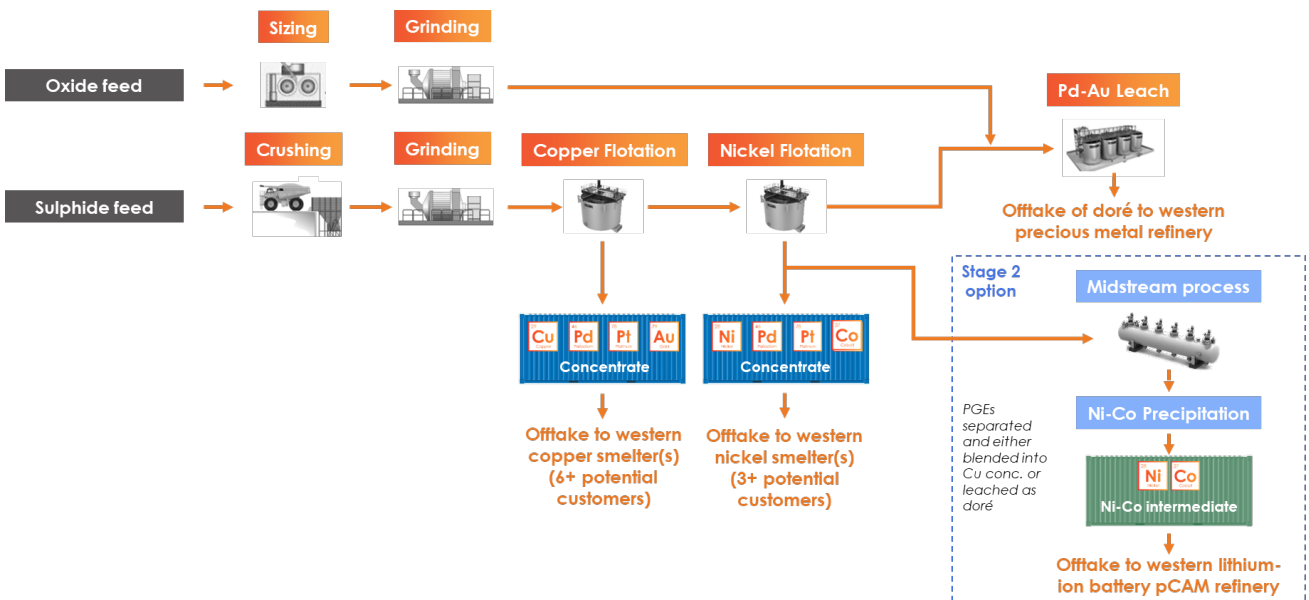


Figure 1. Gonneville Project process flowsheet (simplified).

During the September quarter the metallurgical testwork undertaken as part of the PFS focused on the following key areas:

1.1.3.1.1 Geo-metallurgy

Developing a sound understanding of the different geo-metallurgical domains at Gonneville allows the mine plan and flowsheet to be tailored towards the specific nature of the Resource. In combination with selective mining techniques, this allows for the optimisation of the mine schedule and project economics.

Geo-metallurgical domaining at Gonneville is focused on better predicting recovery by domain, using additional mineralogical and geochemical variables, in addition to head grade.

Mineralogical analysis and nickel deportment studies were completed during the quarter. A reasonable correlation was found between higher nickel in sulphide form and higher flotation recovery in testwork. This nickel deportment can be shown spatially in the open pit, and further categorisation is now underway, while a similar deportment analysis for palladium and copper continues and is expected to be completed in Q4 CY24.

1.1.3.1.2 Comminution

Comminution testwork was completed utilising High-Pressure Grinding Rolls (HPGR), a proven grinding technology now commonplace in the mining industry. The 2023 Scoping Study assumed a conventional SAG and ball milling comminution circuit, as it was assumed that the ultramafic feed would be unsuitable for HPGRs due to potential extrusion issues. Recent testwork was successful in demonstrating that HPGRs could be suitable in the comminution circuit, without any extrusion issues observed.

Whilst being slightly more capital intensive, the advantage of HPGRs is they are ~30% more energy efficient than SAG-ball milling and consequently are predicted to significantly reduce comminution power consumption and operating costs. The impact on project economics is currently being assessed.

The testwork also highlighted the potential suitability of another alternative technology, Vertical Roller Mills (VRMs). The optimal comminution configuration is expected to be finalised in Q4 CY24.

1.1.3.1.3 Flotation

Both high and low-grade fresh met samples underwent flotation testing during the quarter, with some additional high-grade samples to be tested from October onwards.

Testing development has focused on three lithological composites, with a series of time-based mine composites selected from over 100 variability samples prepared for future testing once base conditions are set.

The use of Sodium silicate (a dispersant) designed to minimise the influence of serpentinite mineral gangue has shown good promise in terms of recovery and concentrate grade. The current focus is also on removal of iron species in flotation to reduce downstream reagent costs further. This work also shows promise and is being further developed in Q4 CY24. Results will be factored into new recovery algorithms for each payable metal, with an optimised process flowsheet expected to be finalised in Q2 CY25.

1.1.3.1.4 Leaching

Optimisation of oxide and flotation tailings leaching continued during the quarter. In the 2023 Scoping Study, elevated leach temperatures were assumed, which resulted in relatively high operating costs. Going forward, testing has focussed on optimising palladium recovery in ambient temperature conditions, utilising carbon-in-leach (CIL) techniques to reduce operating costs.

The current testwork focus is on addressing oxide rheological characteristics to reduce reagent consumption and improve recoveries. Mixing of oxide ore with the flotation tailings, along with use of a shear reactor for improved oxidation was also evaluated. Work is ongoing to further optimise operating costs.

1.1.4 Regulatory approvals

The WA Environmental Protection Authority (EPA) formally determined on 16 April that the Gonneville Project would be assessed via a Public Environmental Review with an 8-week public comment period. The Commonwealth Dept. Of Climate Change, Energy, Environment and Water (DCCEEW) also determined on 5 July that the Project is a controlled action and will be assessed at Public Environment Report level of assessment with opportunity for formal public comment.

DCCEEW issued guidelines for the Commonwealth EPBC Act assessment on 7 August. Guideline requirements are consistent with the Company's planned environmental studies with no variation to scope required.

During the quarter, Whadjuk Traditional Owners and archaeologists progressed a detailed survey of cultural heritage on Chalice farmland. There have been no issues identified during surveys to prevent the development of the Gonneville Project. A final report on this work is due in Q4 CY24. This concludes heritage surveys and studies over the mine development area.

Following the South West Native Title Settlement, Aboriginal cultural heritage matters in the Project area are managed by Whadjuk Aboriginal Corporation. Formal engagement with Whadjuk Aboriginal Corporation regarding preparation of a Cultural Heritage Management Plan is planned for Q4 CY24.

1.1.5 Stakeholder engagement

Chalice continued to engage the key stakeholders for the Gonneville Project with updates provided to both the Chittering and Toodyay Shire Councillors during the quarter.

1.2 West Yilgarn Province Exploration, WA

Chalice has exploration tenure spanning more than 10,000km² in one of the most exciting mineral provinces globally – the West Yilgarn. Chalice invested ~\$1.6M during the quarter on exploration activities in the West Yilgarn Province (Figure 2).

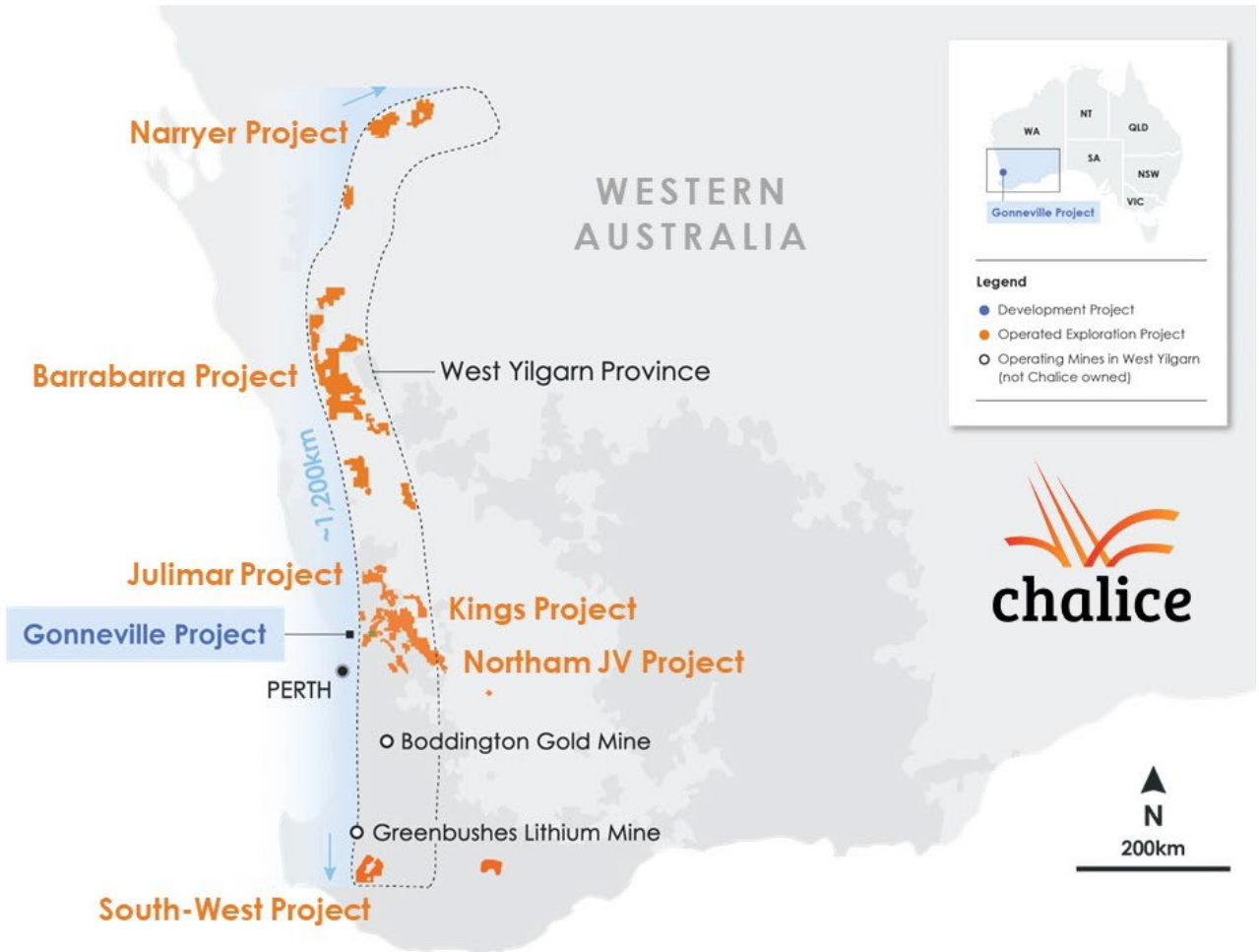


Figure 2. Chalice portfolio of WA projects.

The Province is considered one of the most exciting critical minerals provinces globally, given it is largely unexplored but is considered highly prospective for:

- « Orthomagmatic Ni-Cu+/-PGE sulphide deposits (i.e. ~17Moz PGE-Ni-Cu-Co Gonneville deposit);
- « Intrusion-related/orogenic gold-copper deposits (i.e. ~40Moz Boddington gold mine) – owned by Newmont Corporation (ASX: NEM); and
- « Lithium-Caesium-Tantalum pegmatite deposits (i.e. ~2.5Mt Li Greenbushes lithium mine) – owned by Tianqi Lithium Corporation / IGO Limited JV (ASX: IGO (51%) and Albemarle Corporation (NYSE: ALB) (49%).

As part of its broader strategic focus on unlocking the mineral potential of the Province beyond the tier-1 scale Gonneville deposit, the Company has been conducting a significant multi-year, multi-commodity reconnaissance exploration program in the area since 2021. The recent focus on gold-copper exploration has identified significant new targets that will be drilled in 2024.

Chalice's forecast expenditure for regional exploration across the West Yilgarn for the remainder of FY25 is ~\$3.6M.

1.2.1 Barrabarra Nickel-Copper-PGE Exploration Project, WA (100% owned + Koojan earn-in to 80%)

Chalice has undertaken regional ~1km spaced soil sampling over discrete magnetic anomalies and gravity highs interpreted to be ultramafic-mafic intrusions, and subsequently expanded the search space to screen regional and second order structures and structurally complex greenstone belts with ~1km x 100m spaced soil geochemical lines infilled to ~400m x 100-50m for target definition.

The Project contains abundant lateritic soils which have been the preferred sample media for surface geochemical programs to facilitate low-cost on-ground exploration. Sampling to date has generated over 11 magmatic Ni-Cu-PGE soil anomalies and two new high-priority gold targets – Recherche West and Warspite (Figure 3).

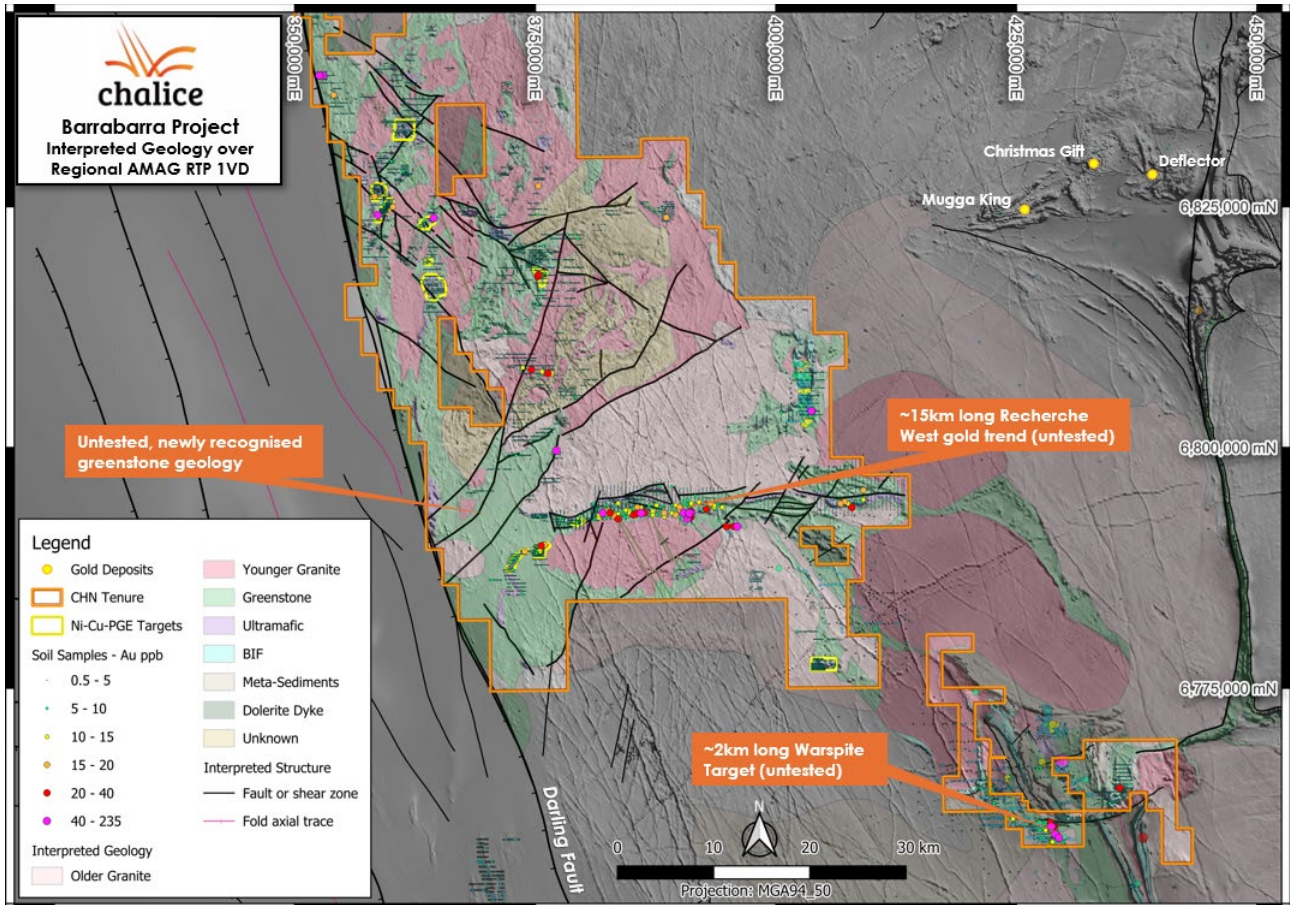


Figure 3. Barrabarra Project interpreted solid geology, sampling and targets over 1VD magnetics.

1.2.1.1 Recherche West Target

The Recherche West Target is a new ~15km long Au plus Ag-As pathfinder trend, which has been identified on 400m x 100-50m spaced soil sample grid, over a prominent east-west trend of complex aeromagnetic anomalies associated with a poorly exposed greenstone belt succession comprising metasediments, ultramafic-mafic intrusions and intermittent banded iron formation (BIF) (Figure 4).

The gold anomaly is coherent at 5-10ppb Au level with a peak result of 235ppb Au. The gold anomalism is coincident with Ag and As, which are typical pathfinders for orogenic gold mineralisation.

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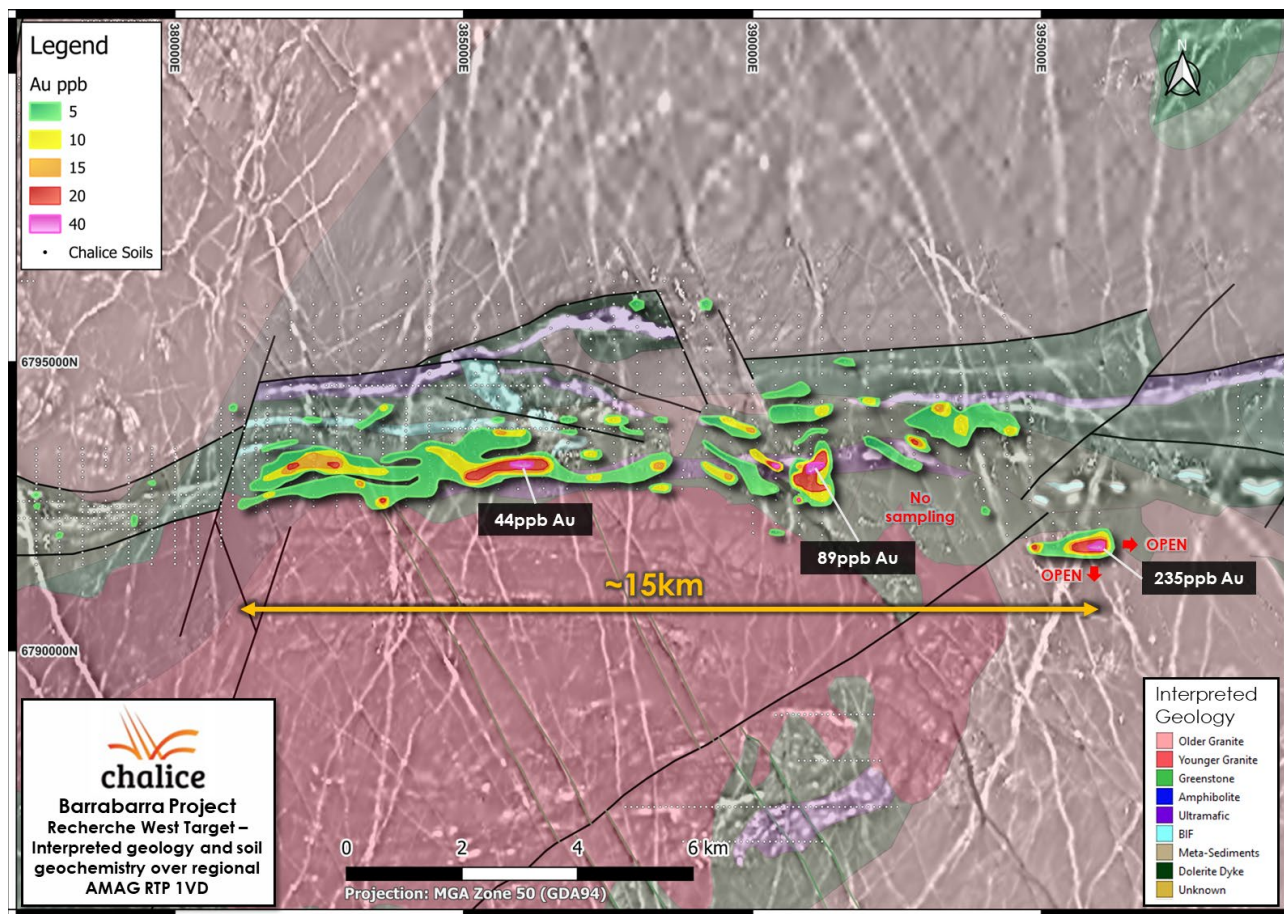


Figure 4. Recherche West interpreted geology, aeromagnetics and Au-in-soil contour anomalies.

A program of extensional soil geochemical sampling (400m x 100m) is planned to be undertaken over Recherche West to extend coverage along the eastern and southern parts of the current survey area, which remains open.

An initial ~5,000m AC drill program at Recherche West is expected to commence, subject to completion of the cropping season, in Q4 CY24. Drilling is designed to test beneath peak soil Au +/- Ag-As anomalism on multi-km spaced lines. Pending results, provision will be made for additional drilling along this ~15km long target area.

1.2.1.2 Warspite Target

The Warspite Target is a new ~2km long NNW trending gold anomaly at the 10ppb Au level with a peak of 75ppb Au, which has been identified on 400m x 100m spaced soil sample grid, over areas of the Koolanooka greenstone belt not previously sampled.

The Koolanooka greenstone belt consists of metabasalt/gabbro, ultramafic, metasediments and BIF bounded by granite-gneiss basement (Figure 5).

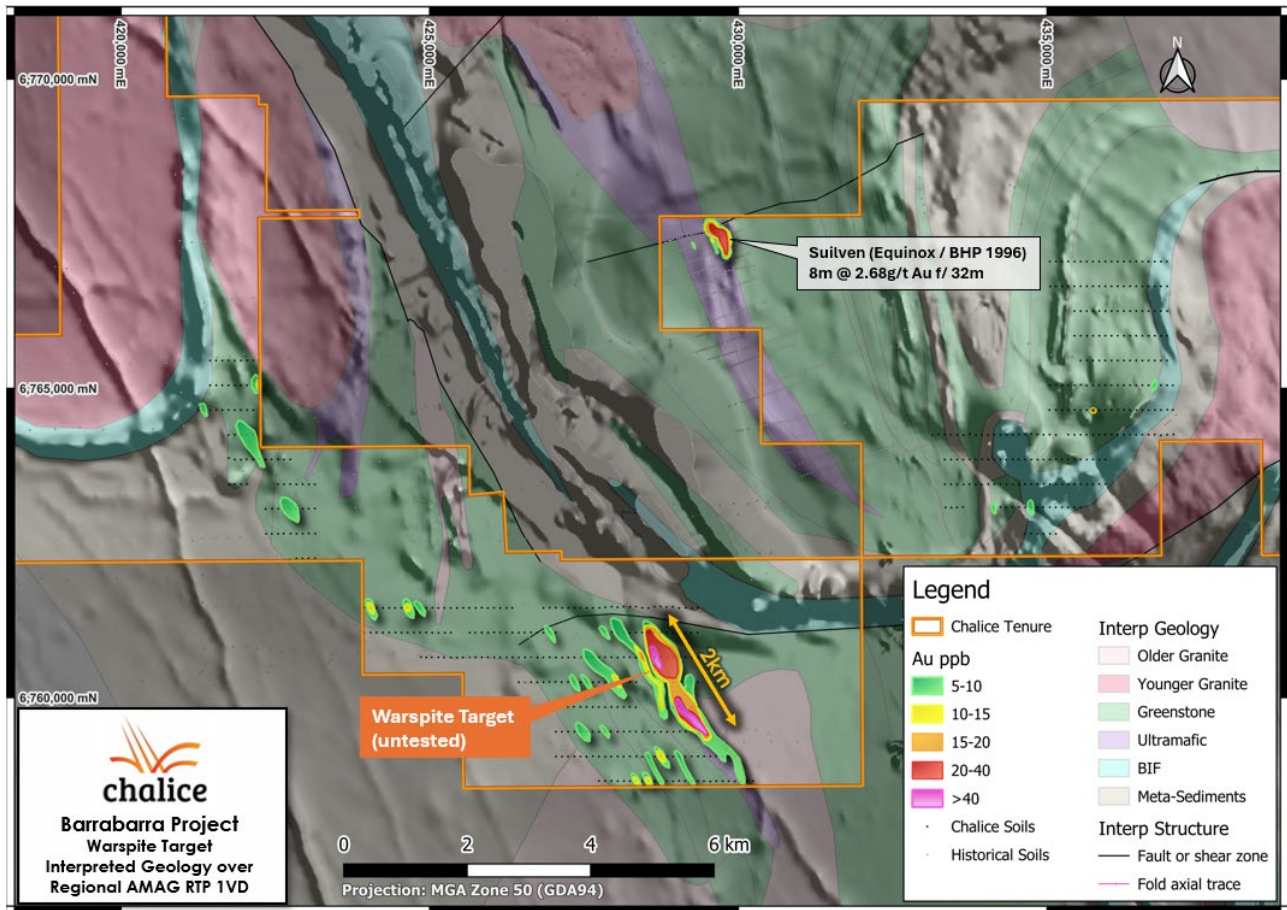


Figure 5. Warspite and Sulven Targets, interpreted geology over aeromagnetics.

An analysis of the entire soil database shows background gold level of ~2ppb, so the Warspite anomaly is highly anomalous at ~5x background. The anomaly is associated with coincident Bi, Te and Pd - which are metals commonly associated with hydrothermal alteration.

The anomaly is entirely covered by lateritic soils which appear to be residual and infill sampling is warranted to better define lines for initial AC drill testing.

Gold mineralisation has been intersected in the area in shallow 1990's RAB drilling by Equinox/BHP to the north of Warspite at the Sulven Prospect. The best result from this program was 8m @ 2.68g/t Au from 32m. This drilling tested a discrete, smaller scale 10ppb gold-in-soil geochemical anomaly. Gold mineralisation is associated with ~5-10% quartz-carbonate veining in saprolite after metabasalt.

Ground-truthing has identified metabasalt/gabbro subcrop located west of the Warspite anomaly showing that the underlying geology is likely to be a mafic/sediment succession and hence similar geology to that hosting the Sulven Prospect.

The main magnetic anomalies in the region are associated with BIF which show broad scale folding along NNW trending fold axes. The Warspite anomaly appears to be aligned parallel to the regional

axial planar foliation which is potentially a favourable structural setting for orogenic gold mineralisation.

A drone aeromagnetic survey (25m spaced flight lines) was undertaken at Warspite to better understand the prospect scale structural setting. The anomaly appears to be aligned parallel to a magnetic anomaly interpreted as BIF, although the main anomalism is associated with a discrete jog or break at the southern end, which is interpreted as a fault (Figure 5) and a highly prospective structural setting.

A program of infill soil sampling (100m x 50m) is scheduled to commence over Warspite to better define peak areas of Au plus pathfinder anomalism. An initial ~1,000m AC drill program at Warspite is expected to commence in Q4 CY24 after cropping season, with drilling designed to test beneath peak soil Au-Bi, Te, Pd anomalism on ~400m spaced lines.

1.2.1.3 Amasi Target

The new Amasi Ni-Cu-PGE-Au Target is defined by soil anomalism over ~2km of strike length, coincident with a magnetic anomaly interpreted to be ultramafic intrusions. An initial wide-spaced AC drill program is planned in Q4 CY24.

1.2.2 Northam Nickel-Copper-PGE Exploration Joint Venture Project (Earn-in to 70%)

Exploration activities during the quarter focused on progressing gold and copper targets across the project, as well as any high-ranking magmatic Ni-Cu-PGE targets. A new ~2.4km long Cu-Au-PGE target has been defined near the town of Goomalling (the Kann Target).

The area has not been drill tested and has coincident aeromagnetic highs, anomalous soil chemistry (Ni-Cr-Cu-Au) and Gonneville-type dunite ultramafic float with base, precious and semi-metal enrichment.

Due to a lack of fresh, mineralised outcrop and EM plates representative of massive sulphide, a programme comprising 21 AC drill holes is planned in Q4 CY24 to understand the geology and assess the targets prospectivity of Ni-Cu-PGE or Cu-Au mineralisation.

1.2.3 Kings Nickel-Copper-PGE Exploration Project, WA (100% owned + Bolgart earn-in to 75%)

Activities focused on progressing gold and copper targets on the project, as well as any high-ranking or advanced magmatic Ni-Cu-PGE targets. Soil sampling will continue over the coming months over 6 new targets, with Moving Loop EM planned on one target in Q4 CY24.

1.2.4 Julimar Ni-Cu-PGE Exploration Project (100% owned)

No further drilling activities were completed on the project during the reporting period, with on-ground activities limited to ongoing compliance and rehabilitation assessments of previously disturbed areas.

1.2.5 Narryer Nickel-Copper-PGE Exploration Project, WA (100% owned + Mt Narryer earn-in to 75%)

A MLEM survey over six Ni-Cu-PGE targets and ground reconnaissance over two additional targets was completed during the quarter. Additional surface sampling was completed over two Au-Ag targets and assay results are pending.

1.2.6 South West Nickel-Copper-PGE Exploration Project, WA (100% owned + Venture earn-in to 70%)

Chalice withdrew from the Venture Minerals JV during the quarter. Access for exploration over a high-priority AEM conductor on 100% held tenure is being progressed.

1.3 Non-Operated Exploration Projects

1.3.1 Nulla South Gold Exploration Project (Ramelius earning 75%)

No activities were completed during the quarter.

2. Corporate

2.1 Cash and Investments

As of 30 September 2024, Chalice had a strong cash balance of ~\$84M and ~\$14M in listed investments. The strong cash and listed investments balance will allow continued execution of Chalice's growth strategy with flexibility. The Company maintains its strong focus on capital discipline.

2.2 Cash flow and Expenditure Review

Operating cash outflows totalled ~\$4.8M for the quarter which included expenditures of ~\$5.5M on exploration and evaluation activities, ~\$0.8M on staff costs, administration and corporate expenditure offset by \$1.2M received in interest revenue.

After adjusting for \$0.6M in one-off redundancy payments from operating cash flows, the expenditure rate for the quarter was ~\$1.4M per month. Chalice has taken decisive action to reduce its overheads and project expenditures and is targeting an expenditure rate of ~\$1M per month by the end of Q4 CY24. Ongoing costs continue to be monitored to ensure they match the Company's strategic goals and the broader market outlook.

2.3 Board and Executive Changes

On 23 August 2024, Chalice announced a reduction in the Board of Directors from six to four members with the resignation of Non-Executive Directors Linda Kenyon and Jo Gaines on 31 August 2024.

Subsequent to quarter-end, highly regarded mining and corporate finance executive Richard Hacker agreed to join the Board and will seek election as a Non-Executive Director at the 2024 AGM. His executive role with the Company will cease upon his election to the Board.

Richard will be replacing Non-Executive Director, Stephen McIntosh who has decided not to stand for re-election at the 2024 AGM and will therefore step down from the Board at its conclusion. Mr McIntosh has agreed to continue to advise the Company as a member of the Technical Committee. Experienced mining professional Martin Reed remains unchanged in his role as a member of the Technical Committee.

The Board continues to evaluate its composition and overall skillset to ensure the Company has the right mix to deliver the Company's strategy and more specifically the Project as it progresses through the study and development phases.

Dr Kevin Frost announced his resignation during the quarter and will cease his executive role in October 2024. Dr Frost has agreed to continue to advise the Company in a consulting advisory role from January 2025. Lead Geologist David Freeman was appointed to the role of Exploration Manager commencing 28 October 2024.

2.4 Payments to related parties of the entity and their associates

Payments of \$265,000 reported in Item 6.1 of the attached Appendix 5B relate to the remuneration paid to the Managing Director & CEO, as well as fees paid to Non-Executive Directors (including superannuation).

2.5 Share Capital

On 31 July 2024, the Company issued 63,484 fully paid ordinary shares to CPU Share Plans Pty Ltd as trustee for the Chalice Mining Employee Share Trust, following the vesting of 20% of the FY2021/2022 Performance Rights. This was in accordance with the Company's Employee Securities Incentive Plan after the Board determined that certain performance conditions had been met over the three-year measurement period ending 30 June 2024. The remaining 253,970 FY2021/2022 Performance Rights were forfeited as the performance conditions were not met.

During the quarter, 26,710 of the vested FY2021/2022 Performance Rights were exercised.

On 27 September 2024, the Company issued 3,523,565 FY2024/2025 Performance Rights to senior executives and employees of the Company under the terms of the Employee Securities Incentive Plan.

In addition to the above issue, on 27 September 2024, it was resolved that Alex Dorsch, Managing Director and CEO be awarded 696,458 FY2024/2025 Performance Rights on the same terms and conditions. The issue of the FY2024/2025 Performance Rights to Mr Dorsch is subject to shareholder approval, which will be sought at the Company's 2024 Annual General Meeting ("AGM"), being held on 21 November 2024.

During the quarter, 105,779 Performance Rights were forfeited by employees upon cessation of employment.

The following table provides a summary of securities on issue as at 30 September 2024:

Description	No.
Ordinary fully paid shares	389,026,788
2021/2022 Performance Rights – vested	36,774
2022/2023 Performance Rights, measurement date 30 June 2025	841,164
2023/2024 Performance Rights, measurement date 30 June 2026	911,705
2024/2025 Performance Rights, measurement date 30 June 2027	3,523,565
Retention Rights, measurement date 31 December 2025	545,021

2.6 Tenement holdings

In accordance with ASX Listing Rule 5.3, please refer to Appendix A for a listing of all tenement holdings.

Authorised for release by the Board of Directors.

For further information, please visit www.chalicemining.com or contact:

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Competent Person Statement

The information in this Report that relates to previously reported exploration for the Barrabarra Nickel-Copper-PGE Exploration Project results is extracted from the following ASX announcements:

« “Gold-Copper Exploration Strategy for the West Yilgarn”, 3 September 2024.

The above announcement is available to view on the Company’s website at www.chalicemining.com. The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in the relevant original market announcement. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the relevant original market announcement.

The information in this announcement that relates to Mineral Resources has been extracted from the ASX announcement titled “Gonneville Resource Remodelled to Support Selective Mining” dated 23 April 2024. This announcement is available to view on the Company’s website at www.chalicemining.com.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the estimates in the original release continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the relevant original market announcement.

Mineral Resources Reporting Requirements

As an Australian Company with securities listed on the Australian Securities Exchange (ASX), Chalice is subject to Australian disclosure requirements and standards, including the requirements of the Corporations Act 2001 and the ASX listing rules. It is a requirement of the ASX listing rules that the reporting of exploration results and mineral resources estimates are in accordance with the 2012 edition of the Australasian Code for Reporting of exploration Results, Minerals Resources and Ore Reserves (“JORC Code”).

The requirements of the JORC Code differ in certain material respects from the disclosure requirements of United States securities laws and other reporting regimes. There is no assurance that the Company’s mineral resource estimates and related disclosures prepared under the JORC Code would be the same as those prepared under United States securities law and other reporting regimes. The terms used in this announcement are as defined in the JORC Code. The definitions of these terms differ from the definitions of such terms for purposes of the disclosure requirements in the United States and other reporting regimes.

Mineral Resource Estimates that are not Ore Reserves do not have demonstrated technical feasibility and economic viability. Due to lower certainty, the inclusion of Mineral Resource Estimates should not be regarded as a representation by Chalice that such amounts can be economically exploited, and investors are cautioned not to place undue reliance upon such figures. No assurances can be given that the estimates of Mineral Resources presented in this report will be recovered at the tonnages and grades presented, or at all.

Forward Looking Statements

This Report may contain forward-looking statements and forward information, (collectively, forward-looking statements). These forward-looking statements are made as of the date of this Report and Chalice Mining Limited (the Company) does not intend, and does not assume any obligation, to update these forward-looking statements.

Forward-looking statements relate to future events or future performance and reflect the Company's expectations or beliefs regarding future events and include, but are not limited to: the impact of the discovery on the Gonneville Project's capital payback; the Company's planned strategy, expenditure and corporate objectives; estimated timing of the Gonneville Project development schedule; the formal arrangements contemplated by the Memorandum of Understanding with Mitsubishi Corporation, the realisation of Mineral Resource Estimates; timing of anticipated production and final investment decision; sustainability initiatives; climate change scenarios; the likelihood of further exploration success; the timing and cost of planned exploration and study activities on the Company's projects; mineral processing strategy; access to sites for planned drilling activities; planned production and operating costs profiles; estimated carbon emissions; planned capital requirements; the success of future potential mining operations and the timing of results from planned exploration programs and metallurgical testwork.

In certain cases, forward-looking statements can be identified by the use of words such as, "aim", "commence", "considered", "continue", "estimate", "expected", "for", "forecast", "future", "is", "open", "opportunity", "plan" or "planned", "potential", "predicted", "promise", "prospective", "strategy", "target" or "targeted", "will" or variations of such words and phrases or statements that certain actions, events or results may, could, would, might or will be taken, occur or be achieved or the negative of these terms or comparable terminology. By their very nature forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements.

Such factors may include, among others, risks related to actual results of current or planned exploration and development activities; whether geophysical and geochemical anomalies are related to economic mineralisation or some other feature; obtaining appropriate approvals to undertake exploration and development activities; metal grades being realised; metallurgical recovery rates being realised; results of planned metallurgical test work including results from other domains not tested yet; the outcomes of feasibility studies, scaling up to commercial operations; the speculative nature of mineral exploration and development; changes in project parameters as plans continue to be refined and feasibility studies are undertaken; changes in exploration and study programs and budgets based upon the results; successful completion of the objectives contemplated in the Memorandum of Understanding with Mitsubishi Corporation; changes in commodity prices and economic conditions; political and social risks, accidents, labour disputes and other risks of the mining industry; delays or difficulty in obtaining governmental approvals, necessary licences, permits or financing to undertake future mining development activities; changes to the regulatory framework within which Chalice operates or may in the future; movements in the share price of investments and the timing and proceeds realised on future disposals of investments as well as those factors detailed from time to time in the Company's interim and annual financial statements, all of which are filed and available for review on the ASX at asx.com.au. Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that cause actions, events or results not to be as anticipated, estimated, or intended. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements.

Appendix A Portfolio and Tenement Holdings

The following information is provided in accordance with ASX Listing Rule 5.3 for the quarter ended 30 September 2024.

Table 1. Listing of tenements held.

Location	Project	Tenement No.	Registered Holder	Nature of interest
Western Australia	Nulla South	E77/2353 to E77/2354	CGM (WA) Pty Ltd	20% - JV with Ramelius Resources
	Gonneville	E70/5118 to E70/5119	CGM (WA) Pty Ltd	100%
	Kings (regional)	E70/5350	CGM (West Yilgarn) Pty Ltd	100%
		E70/5351	CGM (Julimar) Pty Ltd	100%
		E70/5352	CGM (West Yilgarn) Pty Ltd	100%
		E70/5353	CGM (WA) Pty Ltd	100%
		E70/5354	CGM (West Yilgarn) Pty Ltd	100%
		E70/5358 to E70/5361	CGM (West Yilgarn) Pty Ltd	100%
		E70/5363 to E70/5364	GE Resources Pty Ltd	100%
		E70/5367 to E70/5369	CGM (West Yilgarn) Pty Ltd	100%
		E70/5373	CGM (West Yilgarn) Pty Ltd	100%
		E70/5151	Northam Resources Limited	0% - Earn-in agreement, right to earn up to a 75% interest
		E70/5865	CGM (West Yilgarn) Pty Ltd	100%
		E70/5985 to E70/5986	CGM (West Yilgarn) Pty Ltd	100%
		E70/6512	CGM (West Yilgarn) Pty Ltd	100%
		E70/6514	CGM (West Yilgarn) Pty Ltd	100%
		E70/6564 to E70/6566	CGM (West Yilgarn) Pty Ltd	100%
	E70/6644	CGM (West Yilgarn) Pty Ltd	100%	
	Boomer Hill	E70/5009 to E70/5010	Denise Elaine Watts-Butler	0% - Earn-in agreement, right to earn up to a 90% interest
	Northam Resources JV	E70/6481 to E70/6482	OBR Exploration Pty Ltd	
		E70/3536-I	Northam Resources Limited	
		E70/4243-I	Northam Resources Limited	
		E70/4508-I	Northam Resources Limited	
		E70/4692-I	Northam Resources Limited	0% - Earn in agreement, right to earn up to a 70% interest.
		E70/5035	Northam Resources Limited	
		E70/5097	Northam Resources Limited	
		E70/5125 to E70/5127	Northam Resources Limited	
E70/5139 to E70/5140	Northam Resources Limited			

Location	Project	Tenement No.	Registered Holder	Nature of interest
		E70/5149 to E70/5150	Northam Resources Limited	
		E70/5152 to E70/5153	Northam Resources Limited	
		E70/5276 to E70/5277	Northam Resources Limited	
		E70/5426	Northam Resources Limited	
		E70/5456	Northam Resources Limited	
		E70/5724	Northam Resources Limited	
		E70/5757 to E70/5759	Northam Resources Limited	
		E70/5263 to E70/5264	CGM (West Yilgarn) Pty Ltd	100%
		E70/5355 to E70/5356	CGM (West Yilgarn) Pty Ltd	100%
		E70/5404	GE Resources Pty Ltd	100%
		E70/5535	CGM (West Yilgarn) Pty Ltd	100%
		E70/5550 to E70/5551	CGM (West Yilgarn) Pty Ltd	100%
		E70/5560 to E70/5561	Koojan Exploration Pty Ltd	0% - Earn in agreement, right to earn up to an 80% interest
	Barrabarra	E70/5624	CGM (West Yilgarn) Pty Ltd	100%
		E70/5666 to E70/5667	CGM (West Yilgarn) Pty Ltd	100%
		E70/5695	CGM (West Yilgarn) Pty Ltd	100%
		E70/5705 to E70/5706	CGM (West Yilgarn) Pty Ltd	100%
		E70/6535 to E70/6536	CGM (West Yilgarn) Pty Ltd	100%
		E59/2451	CGM (West Yilgarn) Pty Ltd	100%
		E59/2549	CGM (West Yilgarn) Pty Ltd	100%
		E59/2797	CGM (West Yilgarn) Pty Ltd	100%
		E59/2818	CGM (West Yilgarn) Pty Ltd	100%
		E70/5532	CGM (West Yilgarn) Pty Ltd	100%
		E70/5685	CGM (West Yilgarn) Pty Ltd	100%
		E70/6219	CGM (West Yilgarn) Pty Ltd	100%
	South West	E70/4837	CGM (West Yilgarn) Pty Ltd (51%) & Venture Lithium Pty Ltd (49%)	
		E70/5067	CGM (West Yilgarn) Pty Ltd (51%) & Venture Lithium Pty Ltd (49%)	0% - Earn-in agreement, right to earn up to a 70% interest
		E70/5421	CGM (West Yilgarn) Pty Ltd (51%) & Venture Lithium Pty Ltd (49%)	
	Wubin	E70/5357	CGM (West Yilgarn) Pty Ltd	100%
	Narryer	E09/2436	CGM (West Yilgarn) Pty Ltd	100%

Location	Project	Tenement No.	Registered Holder	Nature of interest
		E09/2704	Red Heart Mines Pty Ltd	0% - Earn in agreement, right to earn up to a 75% interest
		E09/2446	CGM (West Yilgarn) Pty Ltd	100%
Northern Territory	Warrego North	EL23764	CGM (WA) Pty Ltd (51%) & Meteoric Resources NL (49%)	Earn-in agreement, right to earn up to a 70% interest
		EL31608	CGM (WA) Pty Ltd	100%
		EL31610	CGM (WA) Pty Ltd	

Table 2. Listing of tenements acquired (directly or beneficially) during the quarter.

Location	Project	Tenement No.	Registered Holder	Interest at end of quarter
Western Australia	Kings (regional)	E70/6644	CGM (West Yilgarn) Pty Ltd	100%
	Boomer Hill	E70/5009 to E70/5010	Denise Elaine Watts-Butler	0% - Earn-in agreement, right to earn up to a 90% interest

Table 3. Tenements relinquished, reduced or lapsed (directly or beneficially) during the quarter

Location	Project	Tenement No.	Registered Holder	Interest at end of quarter
Western Australia	South West	E70/5086	CGM (West Yilgarn) Pty Ltd	0%

Appendix B Mineral Resource Statement

Table 4. Gonneville Mineral Resource Estimate (MRE) – 23 April 2024.

Classification*	Mass	Grade				Contained Metal			
	Mt	3E (g/t)	Ni (%)	Cu (%)	Co (%)	3E (Moz)	Ni (kt)	Cu (kt)	Co (kt)
Measured	2.9	1.20	0.21	0.17	0.018	0.12	6.1	4.8	0.52
Indicated	400	0.79	0.15	0.087	0.015	10	610	370	65
Inferred	250	0.80	0.15	0.076	0.014	6.4	370	200	37
Total	660	0.79	0.15	0.083	0.015	17	960	540	96

* Within pit constrained cut-off of A\$25/t NSR and underground MSO cut-off of A\$110/t NSR (refer to ASX Announcement on 23 April 2024 for details of cut-off approach and assumptions). Note some numerical differences may occur due to rounding to 2 significant figures

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Appendix 5B

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

Name of entity

Chalice Mining Limited

ABN

47 116 648 956

Quarter ended ("current quarter")

30 September 2024

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (3 months) \$A'000
1. Cash flows from operating activities		
1.1 Receipts from customers	76	76
1.2 Payments for		
(a) exploration & evaluation	(5,530)	(5,530)
(b) development	-	-
(c) production	-	-
(d) staff costs	(553)	(553)
(e) administration and corporate costs	(203)	(203)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	1,223	1,223
1.5 Interest and other costs of finance paid	(49)	(49)
1.6 Income taxes (paid)/received	-	-
1.7 Government grants and tax incentives	916	916
1.8 Other (provide details if material)		
- Redundancy payments	(621)	(621)
- Payroll tax paid on incentives granted	(80)	(80)
1.9 Net cash used in operating activities	(4,821)	(4,821)
2. Cash flows from investing activities		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	(203)	(203)
(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 (3 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)	-	-
2.6	Net cash used in investing activities	(203)	(203)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(1)	(1)
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 (provide details if material):		
	- Payment of office lease liabilities	(122)	(122)
3.10	Net cash from / (used in) financing activities	(123)	(123)

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	88,950	88,950
4.2	Net cash used in operating activities (item 1.9 above)	(4,821)	(4,821)
4.3	Net cash used in investing activities (item 2.6 above)	(203)	(203)
4.4	Net cash used in financing activities (item 3.10 above)	(123)	(123)

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	(7)	(7)
4.6	Cash and cash equivalents at end of period	83,796	83,796

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	1,676	1,153
5.2	Call deposits	82,120	87,797
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	83,796	88,950

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	265
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.

7.	Financing facilities <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>	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	-
7.5	Unused financing facilities available at quarter end		
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.		

8. Estimated cash available for future operating activities	\$A'000
8.1 Net cash from / (used in) operating activities (item 1.9)	(4,821)
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)	(4,821)
8.4 Cash and cash equivalents at quarter end (item 4.6)	83,796
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	83,796
8.7 Estimated quarters of funding available (item 8.6 divided by item 8.3)	17.38
<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: Not applicable	
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: Not applicable	
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: Not applicable	
<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

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

Date:29 October 2024.....

Authorised by:By the Board.....
(Name of body or officer authorising release – see note 4)

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Notes

1. 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.
2. 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 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.

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