Advancing the world class Julimar PGE-Ni-Cu-Co-Au discovery

RIU Explorers Conference
16-18 February 2021
Forward looking statements and disclosures

This presentation does not include all available Information on Chalice Mining Limited and should not be used in isolation as a guide to investing in the Company. Any potential investor should also refer to Chalice Mining Limited Annual Reports, filings on sedar.com, and to ASX/OTCQX releases and take independent advice before considering investing in the Company. For further information about Chalice Mining Limited, visit the website at chalcemining.com

Forward-Looking Statements

This document may contain forward-looking information within the meaning of Canadian securities legislation and forward-looking statements within the meaning of the United States Private Securities Litigation Reform Act of 1995 (collectively, forward-looking statements). These forward-looking statements are made as of the date of this document 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 Company management’s expectations or beliefs regarding future events and include, but are not limited to, the possibility of investments ultimately realised, the estimation of mineral reserve and mineral resources, the realisation of mineral resource estimates, estimation of metallurgical recoveries, the forecast timing of the estimation of mineral resources, the likelihood of exploration success at the Company’s Projects, the prosperity of the Company’s exploration projects, the existence of additional EM anomalies within the project, the timing of future exploration activities on the Company’s exploration projects, planned expenditures and budgets and the execution thereof, the timing and availability of drill results, potential sites for additional drilling, the timing and amount of estimated future production, costs of production, capital expenditures, success of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims and limitations on insurance coverage. In certain cases, forward-looking statements can be identified by the use of words such as “plans”, “planning”, “expects” or “does not expect”, “is expected”, “will”, “may”, “would”, “potential”, “budget”, “scheduled”, “estimates”, “forecasts”, “intends”, “prospects”, “anticipates” or “does not anticipate”, “believes”, “occur”, “impending”, “likely” or “be achieved”, 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 activities; assay results of visually interpreted mineralised intersections; whether geophysical anomalies are related to economic mineralisation or some other feature; obtaining access to undertake additional exploration work on EM anomalies located in the Julimar State Forest; the results from testing EM anomalies; results of planned metallurgical test work including results from other zones not tested yet, scaling up to commercial operation; changes in project parameters as plans continue to be refined; changes in exploration programs based upon the results of exploration, future prices of mineral resources; grade or recovery rates; accidents, labour disputes and other risks of the mining industry; delays in obtaining governmental approvals or financing or in the completion of development or construction activities; movements in the share price of investments and the timing and proceeds realised on future disposals of investments, the impact of the COVID 19 epidemic 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 SEDAR at sedar.com, ASX at asx.com.au and CSE Markets at otcmkts.com. 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.

Competent Person and Qualifying Persons Statement

The information in this presentation that relates to exploration results for the Julimar Project is extracted from the following ASX announcements:

• “Preliminary results from second target at Julimar Project”, 24 March 2020
• “Final nickel-palladium discovery confirmed at Julimar”, 15 April 2020
• “Second diamond hole intersects discovery zone at Julimar”, 20 April 2020
• “Exciting visual results from deep diamond drill hole at Julimar”, 5 May 2020
• “Large-scale PGE system further expanded at Julimar”, 11 May 2020
• “High-grade Ni-Cu-PGEs confirmed in discovery zone at Julimar”, 25 May 2020
• “Expansion of wide high-grade Ni-Cu-matrix zone at Julimar”, 15 June 2020
• “Chalice discovers new high-grade PGE-Cu-Au zone at Julimar”, 9 July 2020
• “Significant extension of high-grade PGE-Ni-Cu-Co zones at Julimar”, 17 August 2020
• “Positive preliminary metallurgical results at Julimar”, 1 September 2020
• “Major new 6.5km-long EM anomaly identified at Julimar”, 22 September 2020
• “Significant new PGE-copper-gold horizon defined at Julimar”, 6 October 2020
• “Key Private Properties Secured at Julimar”, 16 November 2020
• “Significant high-grade PGE-Cu-Au extensions at Julimar”, 18 November 2020
• “Chalice secures access to major new targets at Julimar”, 4 January 2021
• “Four new high-grade zones defined as Julimar continues to grow”, 27 January 2021
• “More positive results from ongoing metallurgical testwork at Julimar”, 16 February 2021

The information in this presentation that relates to the exploration results for the Pyramid Hill Project is extracted from the following ASX announcements:

• “Discovery of new >2km gold trend in air-core drilling at Kani Target indicates potential for a significant gold system”, December 2019
• “Several new gold zones discovered in first drill holes at Ironbank North Target”, 19 December 2019
• “Kani gold trend expanded to over 3km of strike extent”, 13 January 2020
• “Infill AC drilling at Kani returns best intercept to date of 4m at >4g/t gold”, 3 February 2020
• “New High-Grade Gold Zones at the Large-Scale Kani Target”, 4 March 2020
• “First diamond drill hole at Kani hits primary gold zone”, 7 April 2020
• “Maiden diamond drill program at the Pyramid Hill Gold Project confirms a large gold system at the Kani Prospect”, 29 July 2020

The Information in this presentation that relates to exploration results for the Hawkstone Project (formerly the King Leopold Project) is extracted from the following ASX announcements:

• “Chalice acquires highly prospective nickel sulphide project in west Kimberley region of WA”, 18 June 2019
• “Strong EM Conductors Identified at King Leopold Project”, 20 August 2019

The above announcements are available to view on the Company’s website at chalcemining.com. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant original market announcements.

The Company confirms that the form and context in which the Competent Person and Qualifying Person’s findings are presented have not been materially modified from the relevant original market announcements.
A unique exploration specialist with a globally significant discovery

Julimar – a new high-grade PGE-Ni-Cu-Co-Au discovery in WA

- Australia’s first major palladium discovery
- Emerging as a very large, strategic deposit of critical clean energy metals
- Highly leveraged to large-scale battery (Ni-Co) and hydrogen (PGEs-Ni) adoption

Unrivalled pipeline of greenfield discovery opportunities in Australia

- ‘First mover’ advantage in the new West Yilgarn Ni-Cu-PGE Province
- Large exploration holdings in Victoria and the Kimberley
- 7 rigs currently drilling across 2 projects

Well funded, high performance team with an excellent track record

- Proven ability to discover and define mines
- ~A$146M\(^1\) in cash + investments
- >2,000% TSR since 1 January 2020

\(^1\) As at 31 January 2021
Chalice’s portfolio includes the exciting **Julimar discovery** in the new West Yilgarn Ni-Cu-PGE Province in WA + a pipeline of generative opportunities

**Julimar Nickel-Copper-PGE Project, WA**
- **New** greenfield PGE-Ni-Cu-Co sulphide discovery in Mar-2020
- 19m @ 8.4g/t Pd, 2.6% Ni, 1.0% Cu, 0.1% Co in 1st hole
- 100% owned, ~26km long intrusive complex ~70km NE of Perth
- 6 rigs drilling, targeting maiden Mineral Resource mid-2021

**Pyramid Hill Gold Project, Vic**
- **New** >4km gold trend + 2 gold bearing diorite intrusions
- >5,000km² holding NW and NE of Fosterville Gold Mine
- 100% owned, all under cover in unexplored terrane

**Hawkstone Nickel-Copper-Cobalt Project, WA**
- **New** greenfield nickel sulphide opportunity in frontier province
- >1,800km² holding east of Merlin Ni-Cu-Co prospect (IGO/BUX)
- 85-100% owned, several large untested dolerite intrusions

**Several generative exploration opportunities, investments, royalties and non-operated joint ventures**
Chalice is one of the **top performing companies** in the ASX All Ordinaries with **>2,000% TSR since January 2020**

**CHN Share Price Chart (A$/share)**

- **Major discovery confirmed at Julimar with mineralisation in first six holes at 1.6km x 0.7km Gonneville Intrusion**
- **19m @ 8.4g/t Pd, 2.6% Ni, 1.0% Cu, 0.1% Co from 48m in 1st hole at Julimar**
- **$30M Capital Raise at $1.05**
- **Key properties purchased, 6th and 7th high-grade zones discovered**
- **$100M placement at $3.75**
- **State Forest access approval**
- **$15M SPP and 11th high-grade zone discovered**
- **6.5km Hartog EM Anomaly defined within Julimar State Forest**
- **Significant PGE-Cu-Au horizon defined on Eastern Contact**
- **Major extension of 3 high-grade PGE-Ni-Cu-Co zones**

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5
We have a **tight capital structure**, a strong financial position and a growing institutional register.

### Top Shareholders

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Shareholder</th>
</tr>
</thead>
<tbody>
<tr>
<td>58%</td>
<td>Institutional</td>
</tr>
<tr>
<td>31%</td>
<td>Retail &amp; HNWI</td>
</tr>
<tr>
<td>11%</td>
<td>Tim Goyder (Chairman)</td>
</tr>
</tbody>
</table>

1. **Tim Goyder (Chairman)**
   - Founder in **2006**

### Capital Structure and Financials

**Equity listings**
- **ASX: CHN**
- **OTCQB: CGMLF**

**Shares out:** 341.8M
- **Shares (F/D): 359.9M**

**Market capitalisation**
- ~A$1.5B (@ A$4.39ps)

**Debt**
- nil

**Cash**
- ~A$132M

**Cash & Investments**
- ~A$146M

### Key Investments

<table>
<thead>
<tr>
<th>Position</th>
<th>Current Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>O3 Mining (TSX-V: OIII)</td>
<td>3.1M (5.1%) ~A$10M</td>
</tr>
<tr>
<td>Caspin Resources (ASX: CPN)</td>
<td>6M (9.3%) ~A$4M</td>
</tr>
</tbody>
</table>

### Research Analyst Coverage

<table>
<thead>
<tr>
<th>Analyst</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bell Potter</td>
<td>Peter Arden</td>
</tr>
<tr>
<td>Euroz Hartleys</td>
<td>Michael Scantlebury</td>
</tr>
<tr>
<td>Macquarie Bank</td>
<td>Hayden Bairstow</td>
</tr>
<tr>
<td>Mine Life Resources Bulletin</td>
<td>Gavin Wendt</td>
</tr>
<tr>
<td>Red Cloud Securities</td>
<td>Jacob Willoughby</td>
</tr>
</tbody>
</table>

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1. **As of December 2020 (estimate based on top 20 extract of the share register)**

2. **As of 31 January 2021**
Western Australia

Julimar Nickel-Copper-PGE Project

JD006 core specimen at Julimar Ni-Cu-PGE Project, Jun-2020
High-grade PGE-Ni-Cu-Co was intersected in the very first drill hole at Julimar – a remarkable new discovery in a completely new province

- ~70km NE of Perth, with direct access to major highway, rail, power and port infrastructure
- ~26km long layered mafic-ultramafic intrusive complex (Julimar Complex) with no previous Ni-Cu-PGE exploration
- Staked in early 2018 (100% owned)
- Exploration so far restricted to the ~1.6km x >0.8km Gonneville Intrusion at the southern end of the Complex on largely Chalice owned private land – initial recon on remaining ~24km of strike underway
- First drill hole in March 2020 discovered wide, shallow zone of high-grade PGE-nickel-copper-cobalt mineralisation
- >8,000km² of new licence applications since the discovery in the new West Yilgarn Ni-Cu-PGE Province (incl. >2,000km² around Julimar) – leveraging our competitive advantage to make additional discoveries
Gonneville is an **exceptional PGE-nickel-copper-cobalt-gold discovery** with the potential to deliver a **world-class deposit**

- ~1.6km x >0.8km intrusion, open to the north-west, hosting:
  - Eleven shallow **high-grade PGE-Ni-Cu-Co+/−-Au zones** defined to date (G1-G11, using >1g/t Pd cut-off) – all remain open
  - >125 isolated high-grade (>1g/t Pd) intersections outside the eleven zones
  - Widespread PGE mineralisation associated with disseminated sulphides (0.5-2.0g/t PGEs+Au), down to ~800m below surface thus far
  - Widespread Pd-rich oxide zone (0.8-1.5g/t Pd) from surface to a depth of ~25m
  - ~200 holes for ~55,000m completed to date, assays pending for ~45 holes

- ~160,000m step-out and resource definition drill program ongoing – 3 RC and 3 diamond rigs
The eleven high-grade zones have **significant strike length** and extend from ~25m to ~550m below surface thus far (zones remain open).

<table>
<thead>
<tr>
<th>Zone</th>
<th>Strike extent</th>
<th>Dip extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1</td>
<td>690m</td>
<td>490m</td>
</tr>
<tr>
<td>G2</td>
<td>465m</td>
<td>280m</td>
</tr>
<tr>
<td>G3</td>
<td>1000m</td>
<td>430m</td>
</tr>
<tr>
<td>G4</td>
<td>450m</td>
<td>270m</td>
</tr>
<tr>
<td>G5</td>
<td>300m</td>
<td>450m</td>
</tr>
<tr>
<td>G6</td>
<td>350m</td>
<td>250m</td>
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<tr>
<td>G7</td>
<td>350m</td>
<td>200m</td>
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<tr>
<td>G8</td>
<td>400m</td>
<td>300m</td>
</tr>
<tr>
<td>G9</td>
<td>1000m</td>
<td>300m</td>
</tr>
<tr>
<td>G10</td>
<td>1000m</td>
<td>300m</td>
</tr>
</tbody>
</table>

**Maximum dimensions**

**Mineralisation (hole traces)**
- Sulphide >0.3g/t Pd cut-off
- Sulphide >1.0g/t Pd cut-off
- Oxide >1.0g/t Pd cut-off

**Drill holes**
- RC - assayed
- RC - assays pending
- DDH - assayed
- DDH - assays pending

**Julimar Nickel-Copper-PGE Project**
Gonneville G1-G11 Zones 3D View
[Looking North-West]
27 January 2021

Note: post-mineralisation dykes not shown.
The internal high-grade zones are **Pd-Ni-Cu-Co rich** and in some places are up to ~40m thick.

**G1(discovery)-G3, G5-G10 zones:**
- ~3-40m wide
- Top of zones ~25m below surface
- Pd-Ni-Cu-Co rich
- Open along strike and down-dip
- 152x high-grade (>1g/t Pd) intersections to date, including:
  - **25m @ 8.5g/t Pd, 0.9g/t Pt, 0.1g/t Au, 2.0% Ni, 0.9% Cu, 0.11% Co** from 46m (JRC001, G1)
  - **39m @ 3.8g/t Pd, 0.6g/t Pt, 0.3% Ni, 0.2% Cu, 0.02% Co** from 290m (JD023, G1-G2)
  - **14.4m @ 7.7g/t Pd, 1.7g/t Pt, 0.1g/t Au, 1.2% Ni, 0.6% Cu, 0.07% Co** from 36.7m (JD016, G1)
  - **17.6m @ 5.3g/t Pd, 1.0g/t Pt, 0.1g/t Au, 1.3% Ni, 0.6% Cu, 0.07% Co** from 191.4m (JD003, G2)
  - **26.3m @ 3.8g/t Pd, 0.9g/t Pt, 0.5% Ni, 0.2% Cu, 0.04% Co** from 80.7m (JD010, G2)
  - **22.7m @ 4.4g/t Pd, 0.7g/t Pt, 0.5% Ni, 0.3% Cu, 0.04% Co** from 83m (JD014, G2)
  - **33m @ 2.0g/t Pd, 0.4g/t Pt, 0.5g/t Au, 0.3% Ni, 0.8% Cu, 0.02% Co** from 236m (JRC060, G6)
  - **24.4m @ 3.3g/t Pd, 0.4g/t Pt, 0.1g/t Au, 0.4% Ni, 0.2% Cu, 0.03% Co** from 164.6m (JD006, G2)
  - **18m @ 4.6g/t Pd, 0.5g/t Pt, 0.4% Ni, 0.1% Cu, 0.03% Co** from 121m (JRC112, G10)
  - **19m @ 3.1g/t Pd, 0.7g/t Pt, 1.1g/t Au, 0.2% Ni, 0.8% Cu, 0.02% Co** from 67m (JRC070, G7)
  - **13.7m @ 4.4g/t Pd, 0.9g/t Pt, 0.7% Ni, 0.7% Cu, 0.05% Co** from 29.3m (JD006, G3)
The G4 and G11 zones are **Pd-Pt-Cu dominant** and are generally associated with the eastern footwall contact of the intrusion.

- ~3-50m wide
- Top of zones ~40m below surface
- ~1,000m of strike and up to 430m of dip-extent
- Open along strike and down-dip
- Pd-Pt-Cu+/Au rich
- 82x high-grade (>1g/t Pd) intersections to date, including:
  - 50m @ 1.8g/t Pd, 0.5g/t Pt, 0.9g/t Au, 0.2% Ni, 1.1% Cu, 0.02% Co from 112m (JRC089, G4)
  - 34.5m @ 2.8g/t Pd, 0.7g/t Pt, 0.4g/t Au, 0.2% Ni, 1.9% Cu, 0.02% Co from 139.8m (JD019, G4)
  - 25.7m @ 3.9g/t Pd, 2.3g/t Pt, 0.7g/t Au, 0.2% Ni, 0.8% Cu, 0.02% Co from 418.1m (JD006, G4)
  - 11m @ 13.0g/t Pd, 1.3g/t Pt, 0.3g/t Au, 0.1% Ni, 0.1% Cu, 0.01% Co from 78m (JRC121, G11)
  - 33m @ 2.1g/t Pd, 0.5g/t Pt, 0.2g/t Au, 0.2% Ni, 0.5% Cu, 0.02% Co from 81m (JRC048, G4)
  - 7m @ 13.8g/t Pd, 0.3g/t Pt, 0.5g/t Au, 0.2% Ni, 0.2% Cu, 0.02% Co from 83m (JRC064, G4)
  - 20m @ 2.9g/t Pd, 1.5g/t Pt, 0.8g/t Au, 0.1% Ni, 0.8% Cu, 0.01% Co from 97m (JRC121, G11)
  - 8m @ 2.2g/t Pd, 13.3g/t Pt, 0.1g/t Au, 0.1% Ni, 0.1% Cu, 0.01% Co from 225m (JRC073, G4)
Several exciting EM anomalies identified immediately north of Gonneville (as yet undrilled); initial on-ground exploration now underway.

Historical surface sampling over regional magnetics (TMI-RTP)
May 2020

Chalice 2020 Airborne EM (channel 15)
Sept 2020
Preliminary met testwork shows high Pd-Ni-Cu recoveries into two commercially attractive concentrates using conventional flotation

Locked-cycle testwork results on G1-G2 composite (head grade 3.7g/t Pd, 0.7g/t Pt, 0.15g/t Au, 0.63% Ni, 0.36% Cu, 0.04% Co), cycle no. 5

<table>
<thead>
<tr>
<th>Copper-PGE-Au concentrate</th>
<th>Ni grade (%)</th>
<th>Ni recovery (%)</th>
<th>Pd grade (g/t)</th>
<th>Pd recovery (%)</th>
<th>Pt grade (g/t)</th>
<th>Pt recovery (%)</th>
<th>Au grade (g/t)</th>
<th>Au recovery (%)</th>
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</thead>
<tbody>
<tr>
<td>Cu grade (%)</td>
<td>Cu recovery (%)</td>
<td>Pd grade (g/t)</td>
<td>Pd recovery (%)</td>
<td>Pt grade (g/t)</td>
<td>Pt recovery (%)</td>
<td>Au grade (g/t)</td>
<td>Au recovery (%)</td>
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</tr>
<tr>
<td>24.7</td>
<td>80.9</td>
<td>173</td>
<td>60.2</td>
<td>22.1</td>
<td>37.6</td>
<td>1.98</td>
<td>90.8</td>
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<table>
<thead>
<tr>
<th>Nickel-PGE concentrate</th>
<th>Ni grade (%)</th>
<th>Ni recovery (%)</th>
<th>Pd grade (g/t)</th>
<th>Pd recovery (%)</th>
<th>Pt grade (g/t)</th>
<th>Pt recovery (%)</th>
<th>Co grade (%)</th>
<th>Co recovery (%)</th>
</tr>
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<tbody>
<tr>
<td>12.2</td>
<td>70.7</td>
<td>24.1</td>
<td>26.1</td>
<td>6.9</td>
<td>36.3</td>
<td>pending</td>
<td>pending</td>
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</tr>
</tbody>
</table>

TOTAL PGE Recovery

| Pd: 86.3% | Pt: 73.9% |

Simplified sequential flotation process

**Phase 2 metallurgical testwork program commenced in Q4 2020 – investigating flotation of sulphide mineralisation and leaching of oxide mineralisation, as well as detailed mineralogical analysis to determine PGE deportment**

**Sulphide**

- Two **commercially attractive, high-grade Cu-PGE-Au and Ni-PGE concentrates** produced
- Tests to date indicate **good concentrate grades and metal recoveries** are likely using a conventional sequential flotation flowsheet – optimisation work now underway
- **Low levels of deleterious elements** (As, Cd, Se, Te, Hg, Pb, F, Cl) in composites, assays pending on concentrates

**Oxide**

- Leach tests indicate **76% Pd and 95% Au extraction into solution**
- Further work underway to determine effect on PGE recovery over a range of grind sizes and temperatures, as well as the optimal techniques to recover metals from solution
>70% of PGEs used in automotive catalytic converters (pollution control devices)

**Palladium based** catalytic converters preferred to comply with stricter emissions standards

Palladium market has been in **deficit for nine consecutive years** – recent record price of US$2,856/oz reached in Feb 2020 (current spot price ~US$2,300/oz)

Future demand for PGEs underpinned by the rapid growth predicted in hydrogen production and hydrogen fuel cells – in particular in heavy transport and energy storage sectors

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**Platinum Group Elements**

- Critical, clean energy metals
- Palladium, Rhodium, Ruthenium, Iridium, Osmium, and Platinum

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**PGEs identified to date at Julimar**

- Palladium (Pd)
- Ruthenium (Ru)
- Rhodium (Rh)
- Iridium (Ir)
- Osmium (Os)
- Platinum (Pt)
The Julimar Project has the potential to deliver **significant jobs, skills and economic diversification** to the Wheatbelt region of WA

- The proximity of Julimar to major communities provides a unique opportunity to build a **workforce of local permanent residents (drive in, drive out)**
- **Growing employment opportunities** – already having positive economic impact on local and surrounding economies
- Community Fact Sheets have been developed, providing key information on topics such as environment, community consultation, exploration licences and drilling activities
- **Active, open and transparent engagement** continues with key landowners, Shire and local community representatives
- Numerous case studies of successful major mining projects in or around State Forest areas in WA (Boddington, Alcoa WA, Worsley, Greenbushes)
- Undertaken baseline flora, fauna, heritage and dieback surveys on private land – a **proactive approach**
- Utilising **low-impact exploration techniques** within the Julimar State Forest
Accelerated drilling and metallurgical testwork program underway – aiming to define a **maiden Mineral Resource by mid 2021**

<table>
<thead>
<tr>
<th></th>
<th>2020</th>
<th>2021</th>
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<td></td>
<td>Nov</td>
<td>Dec</td>
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**Julimar State Forest**

**Access Approvals**
- April 2020: CMP Stage 1 approval (non-ground disturbing activities)
- CMP Stage 2 approval (drilling activities)

**Reconnaissance**
- Ground EM and soil sampling

**Drilling**

**Gonneville**

**RC Drilling**
- March 2020: 80m step-out + 40x40m infill to ~250m deep for indicated category (3 rigs)

**Diamond Drilling**
- April 2020: Step-out + infill beyond 250m deep for indicated category (3-4 rigs)

**MRE / Metallurgy / Mining Studies**
- September 2020: Phase 2 sulphide flotation and leach (oxide) testwork
- Resource and pit-shell modelling

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1. CMP Stage 1 = Conservation Management Plan – a plan outlining Chalice’s proposed non-ground disturbing exploration approach within the Julimar State Forest.
2. Access to the Julimar State Forest for drilling activities has not yet been granted. The Company continues to engage with relevant government entities to progress its CMP approval and the above timeline is an estimate only.
Our PGE-Ni-Cu-Co-Au discovery at Julimar in WA is shaping up to be world-class and has opened up a new mineral province – resource drill-out underway

Drilling continues at the Pyramid Hill Gold Project in Vic and a maiden drill program recently completed at the Hawkstone Ni-Cu-Co Project in the Kimberley

A major greenfield discovery, ~A$36M returned to shareholders to date and ~A$146M\(^1\) in cash and investments – an excellent track record

\(^1\) As at 31 January 2021
The Chalice Story

Appendix
We are a dynamic and entrepreneurial group of accomplished mine finders, project builders and mining managers

Board of Directors

Tim Goyder, Chairman
- 40+ year industry veteran with track record of success as an investor, entrepreneur and company director
- Founder and largest shareholder of Chalice (~12%)

Alex Dorsch, Managing Director
- Previously a Specialist with McKinsey & Company
- Diverse experience in consulting, engineering and corporate advisory in the energy and resources sectors

Morgan Ball, Lead Independent Non-Exec Director
- Chartered Accountant with 25+ years experience in the resources, logistics and finance industries
- CFO of Saracen Minerals

Stephen Quin, Non-Exec Director
- Mining geologist with 37+ years mining and exploration experience in Canada and across the globe
- Most recently President and CEO of Midas Gold Corp

Garret Dixon, Non-Exec Director
- 30+ years experience in resources and mining contracting sectors
- Most recently Executive VP Alcoa & President Bauxite

Key Management

Richard Hacker, CFO
- Chartered Accountant with 20+ years experience in junior company financing and management
- Company CFO since 2006

Kevin Frost, GM Exploration
- Co-recipient of AMEC’s Prospector of the Year Award in 2009 for the discovery of the Spotted Quoll nickel sulphide deposit in WA (Western Areas)

Bruce Kendall, GM Development
- Co-recipient of AMEC’s Prospector of the Year Award in 2012 for the discovery of the world-class Tropicana gold deposit in WA (AngloGold Ashanti)

Jamie Armes, Company Secretary
- Chartered Accountant with 20+ years experience within the accounting profession and administration of public listed companies in the mining and exploration industry

Supported by a team of ~30 FTEs (project geologists, accountants, specialist geology, mineralogy, metallurgy, mining and environmental consultants)
Since our 2006 IPO, we have acquired quality assets, advanced projects quickly and generated **>A$110M in after-tax proceeds** from asset sales.

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>$7.5M raised in IPO on ASX to progress Chalice &amp; Higginsville Projects</td>
</tr>
<tr>
<td>2007</td>
<td>Chalice &amp; Higginsville Projects sold for ~A$12M (pre-tax)</td>
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<tr>
<td>2009</td>
<td>Zara Gold Project in Eritrea acquired for ~A$7M</td>
</tr>
<tr>
<td>2009-2011</td>
<td>~A$43M raised to progress Zara to DFS</td>
</tr>
<tr>
<td>2012</td>
<td>Zara Gold Project in Eritrea sold for ~US$114M (pre-tax)</td>
</tr>
<tr>
<td>2013</td>
<td>Cameron Gold Project in Ontario acquired for ~A$8M</td>
</tr>
<tr>
<td>2014</td>
<td>Cameron Gold Project in Ontario sold for ~A$25M (pre-tax)</td>
</tr>
<tr>
<td>2016</td>
<td>A$0.10ps / ~A$25M capital return to shareholders</td>
</tr>
<tr>
<td>2017</td>
<td>Acquired East Cadillac Gold Project in Quebec and staked Pyramid Hill Gold Project in Victoria</td>
</tr>
<tr>
<td>2018</td>
<td>Staked Julimar Nickel-Copper-PGE Project in Western Australia</td>
</tr>
<tr>
<td>2019</td>
<td>Quebec Gold Projects sold to O3 Mining</td>
</tr>
<tr>
<td>2018</td>
<td>A$0.04ps / ~A$10.6M capital return to shareholders</td>
</tr>
<tr>
<td>2020</td>
<td>Major PGE-Ni-Cu-Co-Au discovery at Julimar Project</td>
</tr>
<tr>
<td>2020</td>
<td>~$130M raised to progress Julimar</td>
</tr>
</tbody>
</table>

1 As of 15 June 2020
We are on track to define a maiden resource at Julimar, continue to build trust with our key stakeholders and leverage our discovery

<table>
<thead>
<tr>
<th><strong>Objective</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Define a maiden JORC Mineral Resource Estimate and outline the potential for a commercially viable mining operation for the Gonneville PGE-Ni-Cu-Co-Au discovery</td>
<td></td>
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<tr>
<td>Make a significant new discovery, which shows strong potential to be economic</td>
<td></td>
</tr>
<tr>
<td>Maintain a pipeline of discovery opportunities to complement the current portfolio</td>
<td></td>
</tr>
<tr>
<td>Continue to build our operational team, with a focus on internal resourcing and nurture our culture of ownership, sustainable success and ideation</td>
<td></td>
</tr>
<tr>
<td>Strengthen our financial position, and continue to exercise discipline on capital management</td>
<td></td>
</tr>
<tr>
<td>Continue to build trust with our key stakeholders at the Julimar Project – landowners, indigenous peoples, local communities and governing organisations</td>
<td></td>
</tr>
<tr>
<td>Expand our sustainability presence (environmental, social and governance) to uphold our social licence to operate</td>
<td></td>
</tr>
</tbody>
</table>
Chalice's portfolio includes **district-scale precious and base metal projects** as well as several royalties, investments and non-operated JVs.

**Royalties**
- Nyanzaga, Tanzania – **$5 million** payment receivable upon commercial production from Orecorp Limited (ASX: ORR)
- East Cadillac, Quebec – 1.0% NSR partial
- Kinebik, Quebec – 1.0% NSR
- Ardeen, Ontario – 0.12-1.0% NSR partial
- Cameron, Ontario – 1.0% NSR partial
- Jericho, WA – 1.0% NSR capped
- Bunjarra Well, WA – 1.0% NSR capped

**Key Investments**
- ~3.1M shares (~5%) in O3 Mining Inc. (TSX-V: OIII)
- ~6M shares (~9.3%) in Caspin Resources (ASX: CPN)

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**For more information**
- [Chalice Resources](https://www.chalice.com)
- [Orecorp Limited](https://www.orecorp.com)
- [O3 Mining Inc.](https://www.o3mining.com)
- [Caspin Resources](https://www.casin.com.au)

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The **palladium price has surged** with the introduction of China 5/6 emissions standards and the switch from Pt to Pd based catalytic converters.

Source: SFA (Oxford), Bloomberg
Drilling at Pyramid Hill Gold Project, Oct-2019
Why gold in Victoria? The prospect of finding another **Fosterville Gold Mine**

>60Moz Au produced since 1850’s from outcropping **South Bendigo Zone**, at a avg grade of ~15g/t Au

90% of mines had a recovered grade >8.5g/t Au

32Moz Au (P50 mid case) of undiscovered gold to the north in the **Northern Bendigo Zone** (Vic Govt ‘Gold Undercover’ estimate)

This area is essentially unexplored – the opportunity

Historic region capturing global attention again thanks to Kirkland Lake Gold’s **ultra high-grade Swan Zone** discovery at the **Fosterville Gold Mine**:

2019 Production

- ~619koz at ~40g/t Au

2019 operating cash costs guidance

- US$130-150/oz

Swan Zone Mineral Reserve (Dec-18)

- 2.3Moz @ ~50g/t Au

As an early mover, Chalice staked a >5,000km² essentially unexplored land holding surrounding **two world-class gold deposits**

- The success of Fosterville has attracted **significant new players** into the district:

- Chalice positioned itself early and strategically, with a focus on:
  - **Unexplored, prospective areas** (potential world-class deposits hidden by cover)
  - **Sparsely populated** and less sensitive areas (plains of the Murray Basin) where large-scale mining feasible
The world-class gold deposits are controlled by regional scale faults, which continue to the north into Chalice’s tenure → follow the strike

Extension of these regional scale faults under cover evident in regional gravity geophysics as well as 2D seismic

- Chalice Prospect
- Advanced Gold Prospect
- Gold Deposit
- Major Fault
- Major Fault extension undercover
- Interpreted mineralised fluid flows

Ballarat (14Moz) and Castlemaine (6Moz) along strike to the south
Dispersion of gold and pathfinder metals such as arsenic and antimony is used to vector towards gold under cover.

Dispersion footprints of major gold deposits in Vic

10.2+ Moz
Ballarat East

4.7 Moz
Castlemaine
Chewton
Wattle Gully

18 Moz
Bendigo

~9 + Moz
Fosterville

Our shallow, wide-spaced air-core drilling approach

Drill Line 1
3-5km
Line 2
Line 3

Arsenic (we are close)
Antimony (getting warmer)
Gold!
A Gold System!!

Identifying continuous dispersion over kilometres a good indicator of a large gold system beneath...

SOURCE: Duncan, R. 2019, The five key ingredients that make a world-class gold district, Geological Survey of Victoria
Chalice has adopted a **systematic value-add approach** – ‘find the big gold systems first’

- **Our Project** covers hundreds of kilometres of prospective strike:
  - Muckleford (>300km)
  - Mt William (>75km)
  - Percydale (>40km)

- Prior to Chalice, most of the area essentially **un-drilled**

- **Our regional-scale** activities commenced in mid-2018:

  **Phase 1.** Screen the thin cover (<100m) areas with wide-spaced recon sampling + AC drilling

  **Phase 2.** Infill and vector towards targets with tier-1 scale potential

  **Phase 3.** Drill-out prospects and revisit other targets

- >700 AC holes completed across ~10 targets
- >15 lower-priority targets → drilling on hold for now

**Focus on 2 high-priority prospects → Karri and Ironbark** (2nd diamond drill program completed, final assays pending)
Initial geological holes have confirmed a **large gold system** at depth below the **>4km long gold trend** at the Karri Prospect.

- **2 phases of diamond drilling completed** for structure / geology completed
- **First ever test at depth into a ‘blind target’**
- **All diamond drill holes intersected tightly folded, upright stratigraphy** and **primary gold mineralisation**.
- **Several strike extensive anticlinal structures** identified (typical geological setting for high-grade gold deposits in the region)
- **Anomalous gold intersected in all holes**
- **Several high-grade gold zones intersected ~1-2km apart**
- **Results indicate potential for a tier-1 scale gold system**
- **Final assays pending from Ph 2 drilling**
The initial diamond holes provided a first glance at the geology and compelling targets for the next phase of diamond drilling.
Hawkstone Nickel-Copper-Cobalt Project

Western Australia
The Hawkstone Nickel-Copper-Cobalt Project covers 1,800km² in the frontier and largely unexplored King Leopold Orogen of the west Kimberley.

- Frontier province highly prospective for magmatic Ni-Cu-Co sulphide deposits
- Minimal modern exploration
- 2015 Merlin discovery by Buxton Resources (ASX: BUX) highlighted potential of Ruins Dolerite
- IGO Ltd (ASX: IGO) entered the region in late 2018 with a regional JV with Buxton
- Chalice a significant player in the belt:
  - 600km² Ruins Area acquired in June 2019
  - Immediately SE of Merlin (proven host)
  - 1,200km² of EL applications made in late 2018
  - Conceptual host to magmatic sulphides
Chalice’s immediate focus is the Ruins Area, where **several nickel sulphide targets** have already been defined.

- Merlin (IGO-Buxton) hosts drill intercepts in Ruins Dolerite with grades up to **8.14% Ni, 5.26% Cu and 0.69% Co**

- **11 airborne EM targets** defined by Chalice to date along strike to SE and E of Merlin

- Ground based MLEM completed, identifying several high-priority EM targets

- **2 x ~5,000 Siemens conductors** identified at the ~2.5km x ~1.5km Ephesus Target

- Maiden RC drill program recently completed (assays pending)