

BENIMANU
PROJECT

2,500M RC DRILL PROGRAM

Capital Raising Presentation

HUNTING FOR BIG DEPOSITS IN BIG COUNTRY

September 2021

COMPANY OVERVIEW



Duncan Chessell

Managing Director

Geologist, 20+ years experience in business and oil, gas, precious and battery metals exploration and project generation in Australia and Papua New Guinea. Triple Mt Everest summiteer, and currently Non-Executive Director of The Outdoor Education Group.



Craig Farrow

Non-Executive Chair

Chartered Accountant with a strong commercial acumen across multi sectors including agriculture, professional services and technology. Previous directorships include Vocus Group (ASX:VOC) amongst others.



Andrew Shearer

Non-Executive Director

Geophysicist with a technical and corporate background as a resource analyst. Non-Executive Director of Andromeda Metals (ASX:ADN) and Investigator Resources (ASX:IVR).



Christine Lawley

Exploration Manager

Christine has 15 years' mineral exploration experience in gold, base and strategic metals with Newmont, Musgrave Minerals and Iluka and holds a Masters Degree in Ore Deposit Geology.



Rebecca Gower

VP Exploration Alaska

Rebecca has 15 years' mineral exploration in Alaska, South America and Australia in precious and base metals including 8 years gold and nickel exploration in Australia. Based in Fairbanks Alaska, Rebecca manages the 64North Project.



Kelvin Blundell

Consulting Geophysicist

Sandfire's consulting geophysicist for the significant DeGrussa Cu-Au massive-sulphide discovery and recent success with Musgrave Minerals, Kelvin has 20 years experience both in Australia and internationally.

Market Cap (10/9/21)

~\$10m

Top 20 Shareholders

31%

Share Price (10/9/21)

\$0.022

JMEI Tax Credits

\$1.25m

Shares on issue

448m

Active Projects

3

Our Mission

Resolution Minerals Ltd (RML) is a junior mineral explorer with projects prospective for in-demand commodities gold, copper and other battery metals. RML believes the best value creation for shareholders is through discovery success. **Hunting for big deposits in big country.**



RESOLUTIONMINERALS

RESOLUTION MINERALS PROJECTS

ALASKA

PROJECT NAME: 64NORTH

Country: USA
Location: 64°N, 144°W
Key Commodity: Gold
Ownership: 30% interest,
earning in 80%

*Global uncertainty and volatility
retains gold's attractiveness*

PROJECT NAME: WOLLOGORANG

Country: Australia
Location: 17°S, 137°E
Key Commodity: Copper, Cobalt
Ownership: JV with OZ Minerals

AUSTRALIA

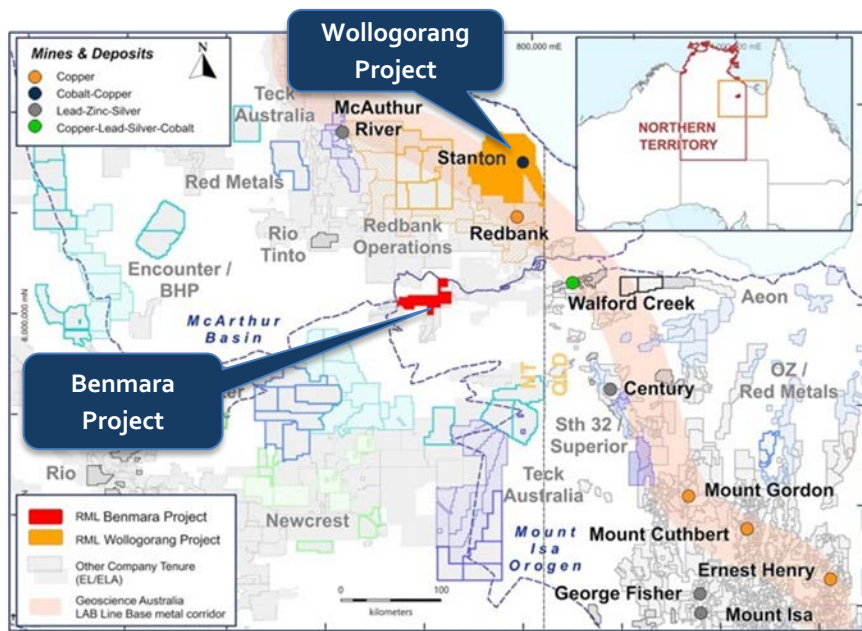
PROJECT NAME: BENMARA

Country: Australia
Location: 18°S, 136°E
Key Commodity: Copper, Uranium
Ownership: Option to buy 100%

*The voracious appetite for copper,
cobalt, nickel, aluminum and other battery
metals required to convert the world
from fossil fuels to green electrical
alternatives is now a short, medium and long
term reality*

Assets all in the top 20 ranked mining jurisdictions

NORTHERN TERRITORY BATTERY METAL PROJECTS



Companies exploring in the region include BHP, Rio Tinto, Newcrest, South32

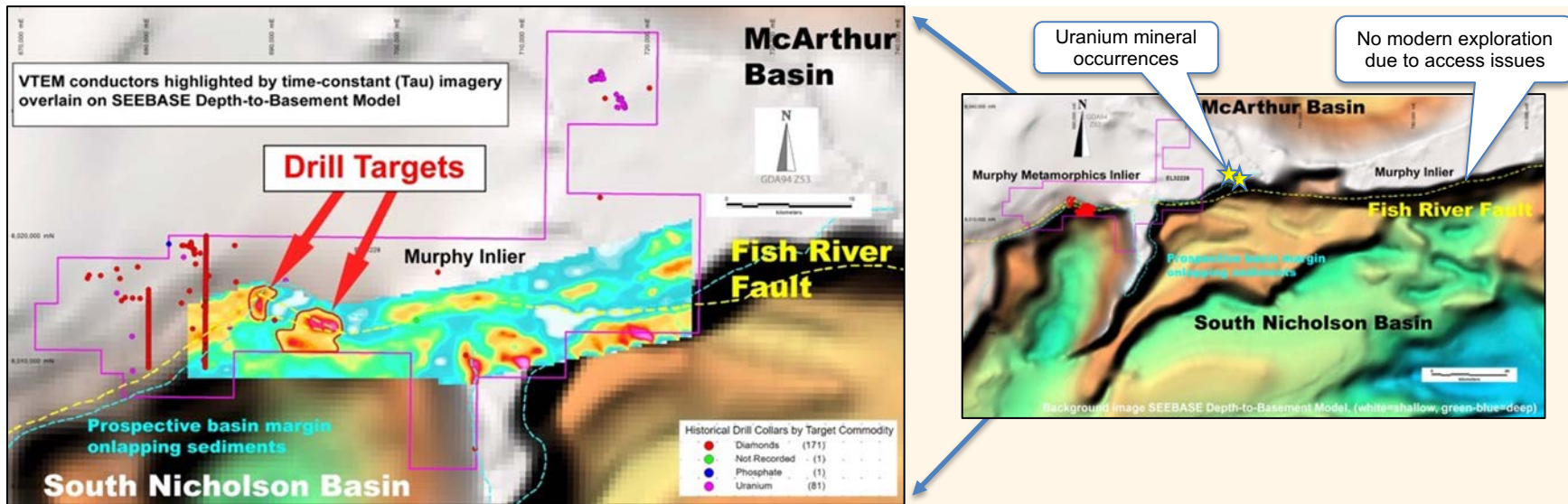
Benmara Project (Cu-Ag-Pb-Zn-Co)

- Covering 663km² positioned on the Fish River Fault west of the polymetallic Walford Creek Deposit (Cu-Ag-Pb-Zn-Co) and Westmoreland Uranium Deposits
- Two large scale drill targets (4km and 2km strike) identified by VTEM survey
- 2,500m RC drilling program planned to commence in September

Wollgorang Project JV (Cu, Co, U)

- Covering 3,825km² in the McArthur Basin prospective for sedimentary hosted battery metals: copper, cobalt and hard rock uranium
- Wollgorang is positioned on Geoscience Australia's newly identified base metal corridor - (Hoggard et al 2020)
- Proven mineralisation with the Stanton Cobalt Deposit (942kt @ 0.13% Co, 0.06% Ni, 0.12% Cu)
- 40 conductors identified in recent VTEM geophysical survey highlighting the sediment hosted copper potential of the project
- Drill targets at the Gregjo Copper Prospect to test chargeable IP geophysical anomaly underlying copper mineralisation intersected in shallow RAB drilling - up to 4% Cu
- 100% owned with mid-tier copper producer **OZ Minerals** sole funding Farm-in spending \$5m to earn 51% interest

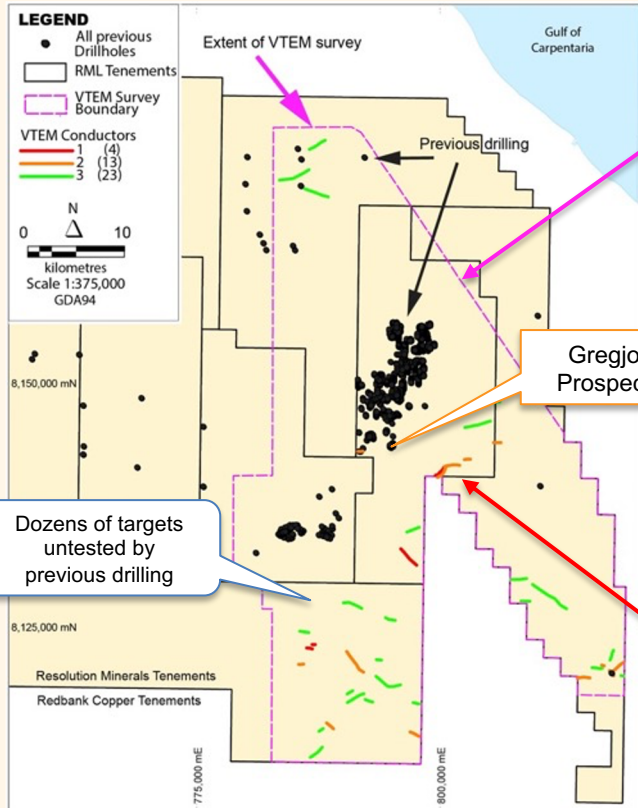
BENMARA PROJECT, BATTERY METALS - NORTHERN TERRITORY



VTEM geophysics survey identifies 4km and 2km strike length drill targets in favourable sediment hosted copper setting

- **Same geological setting as the Walford Creek Deposit *40.9Mt @ 2.03% CuEq** (*Aeon Metals website ASX: AML)
- The Benmara Project and Wollogorang Project are part of Resolution's strategy to explore for battery metals in Northern Australia
- **New copper / battery-metal drill targets are untested by prior drilling**
- Prior exploration focused on uranium and diamonds and did not assay for base metals, minimal exploration east to QLD border (access)
- **2,500m RC drilling to commence late September and will take 3 weeks to complete**
- Follow up drilling in late 2021 - subject to results and rig availability

WOLLOGORANG PROJECT – COPPER POTENTIAL



Sediment-hosted stratiform copper potential

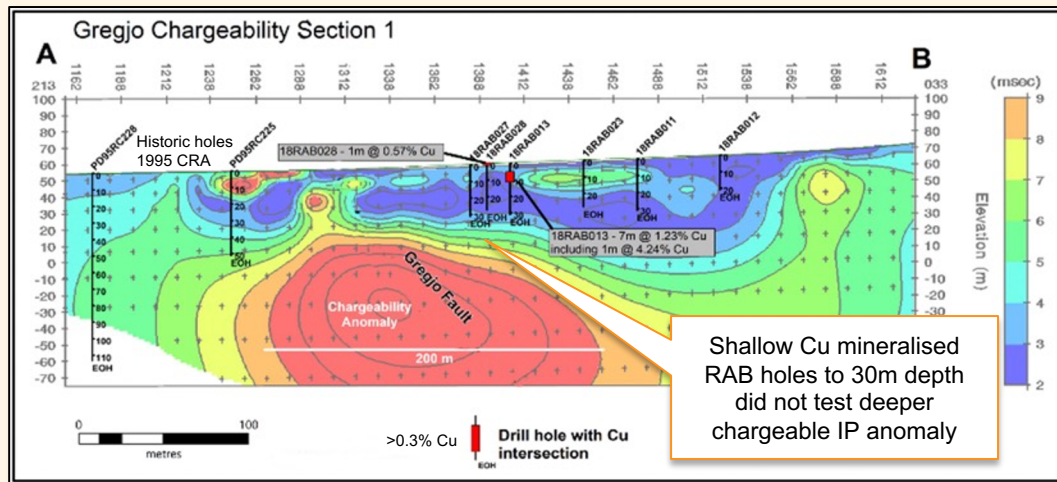
- Results from VTEM geophysics survey identified **40 conductors highlighting the copper potential** of the Wollogorang Project, NT.
- VTEM surveys can detect sub-surface conductive bodies to 400m such as massive base metal sulfides directly and other potential trap sites for base metals.
- Project familiarisation with OZ Minerals team 2021
- Heritage surveys and community engagement 2021
- Drilling to take place in 2022 dry season, May – December

OZ Minerals Farm-in Agreement – key terms

- OZL can earn a 51% interest by spending ~\$4.9m over 5 years
- RML may retain 49% interest by electing to participate from year 6
- If RML elects not to participate, OZL has the option to earn a 75% interest, by sole-funding and delivering a Positive Final Investment Decision to Mine

Priority	# Targets	Comments
1	4	Strong late-time anomaly or discrete mid-time anomaly
2	13	Good mid-time to late-time anomaly indicative of a bedrock source
3	23	Moderate mid-time anomaly indicative of as bedrock source

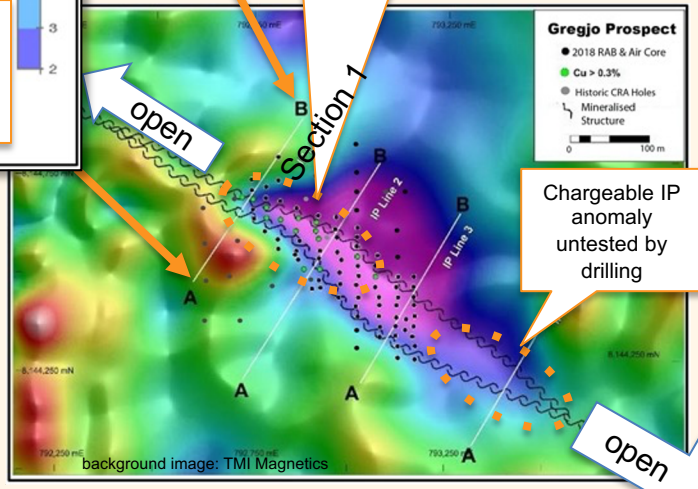
WOLLOGORANG PROJECT: GREGJO COPPER PROSPECT



Shallow Cu mineralised RAB holes to 30m depth did not test deeper chargeable IP anomaly

Large Chargeable IP anomaly sits below shallow RAB drilling.
 18RAB013: (2018 Co program)
 7m @ 1.23% Cu including
 • 1m @ 4.24% Cu

Regional scale fault - source of metal rich fluids
 800m x 200m Cu zone identified in shallow drilling
 Open along-strike to SE and NW
 Flat lying favourable sedimentary host rocks
 UNTESTED chargeable (IP) geophysics anomaly
 60m depth to top of target (sits below RAB drilling)



Chargeable IP anomaly untested by drilling

ALASKA TINTINA GOLD PROVINCE – GIANT DEPOSITS!



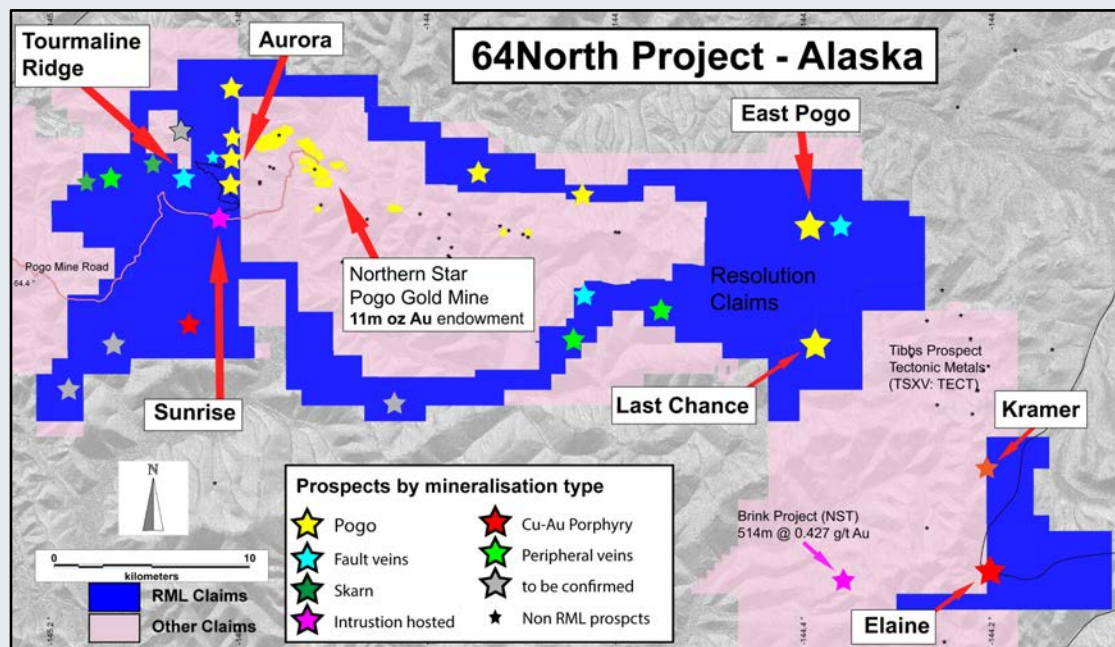
Deposit sizes stated as Endowment (Resources + Reserves + Historic Production), from Company websites, as listed on disclaimer slide

The 64North Project – Alaska

- Potential GIANT size gold prospects in highly prospective Pogo District
- 357km² surrounding the 11M oz Au Pogo Gold Mine owned by Northern Star (ASX:NST)
- 30% interest achieved with right to earn a:
 - 42% interest US\$0.9m Year 2 spend (31/01/22)
 - 51% interest US\$2.35m Year 3 spend (31/01/23)
 - 60% interest US\$2.35m Year 4 spend (31/01/24)
 - Can form a JV at anytime and co-fund
- In 2020 built a strong pipeline of prospects and acquired new geophysical data sets and built jurisdictional expertise.
- September 2021 reduced tenements to focus on 20 best prospects and reduce carrying costs
- Operational control of project in February 2021
- Expenditure for 42% earn-in exceeded, further spend carried-forward to 2022 (Year 3)
- Field work ongoing

Tourmaline Ridge trenching program underway, high value deeper drill targets identified at East Pogo

64NORTH: OVERVIEW

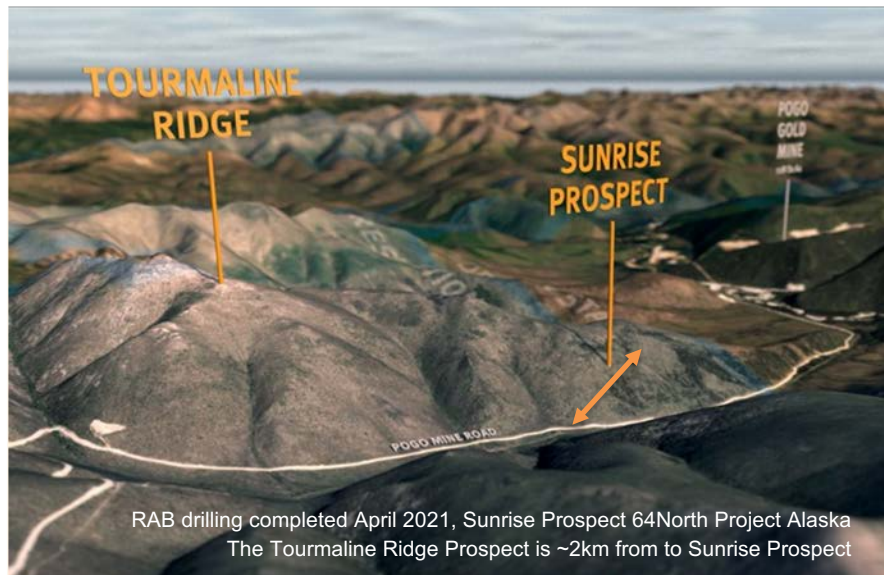


The Right Ingredients

- ✓ Next to operating high-grade Pogo Gold Mine - 11Moz gold endowment
- ✓ Same rocks as the Pogo Mine
- ✓ Right Geology – Granitic Intrusions, age 80-102 Ma, main mineralising engine room present throughout Tintina Gold Province
- ✓ Large structures – potential fluid pathways identified in geophysics surveys
- ✓ Geophysics – ZTEM and CSAMT surveys indicate geophysical “look-a-likes” of Goodpaster & Pogo Mine
- ✓ Sunrise Prospect – confirmed Fort Knox intrusion-hosted mineralisation style
- ✓ In 2020 built a strong pipeline of prospects, drill tested the Aurora Prospect and acquired new geophysical data sets and built jurisdictional expertise.
- ✓ **Historic Exploration Database** US\$15 million in expenditure 1998-2012.

Tourmaline Ridge trenching program underway, high value deeper drill targets identified at East Pogo and field crews active to delineate other regional drill targets – Elaine, Kramer and Last Chance.

64NORTH: SUNRISE PROSPECT



RAB drilling program 1400m traverse April 2021

- Targeting outcropping **Fort Knox style** mineral system to test scale - highlighted in 2020 trenching program
- Using existing RML tracks, next to Pogo Mine Road - all year access

Drilling Results

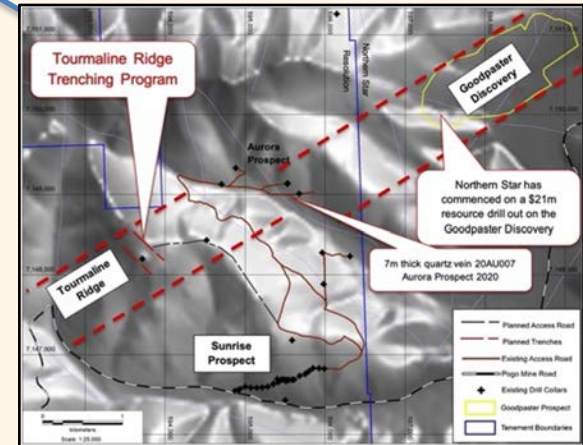
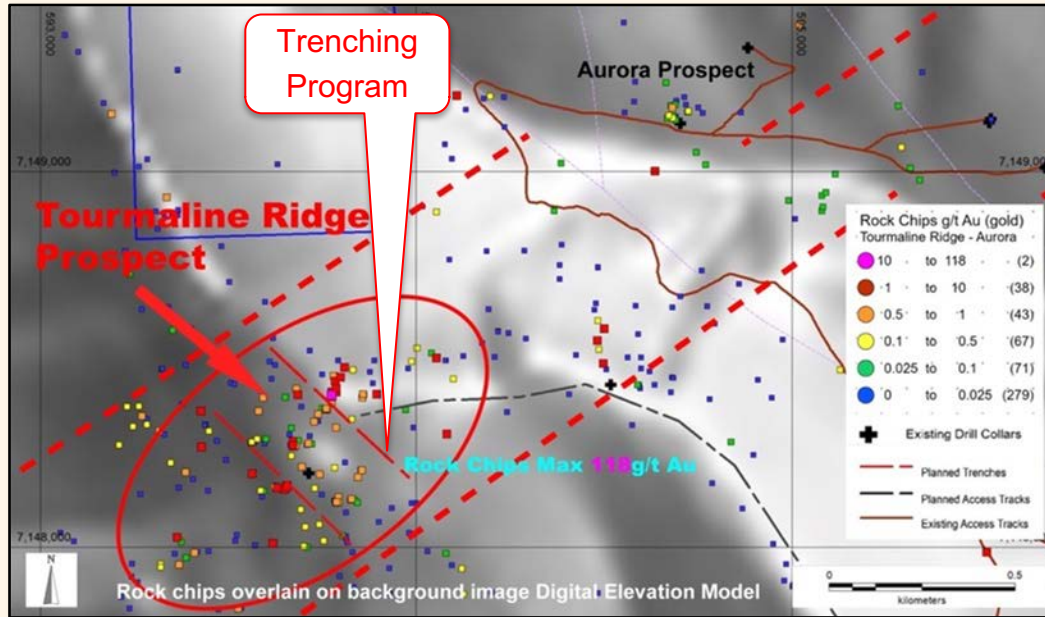
- **Confirm the presence of thick intervals of Fort Knox style mineralisation** in a 280m wide gold mineralised corridor open at depth and to the north and south
- Hole: 21SU009
 - 74.7m @ 0.26 g/t Au (entire hole) from surface
- Hole: 21SU007
 - 36.6m @ 0.33 g/t Au from surface

Fort Knox Mine Fairbanks (Analogy)

- Produced 237,925oz Au 2020* (*Kinross annual report 2020 www.kinross.com)
- 5.6Moz @ 0.3g/t Au - 0.1g/t Au cut off grade

Other potential Fort Knox style targets have now been recognised near the Pogo Mine road, proximal to the Sunrise Prospect. Ground appraisal of the Sunrise Prospect and surrounding prospects concluded that trenching of the Tourmaline Ridge Prospect is the most cost effective way to advance the 64North Project. Historic un-assayed drill core from the Sunrise Prospect was also located, to be assayed to test depth potential below a shallow gold zone identified by RML RAB drilling in April 2021.

64NORTH: TOURMALINE RIDGE



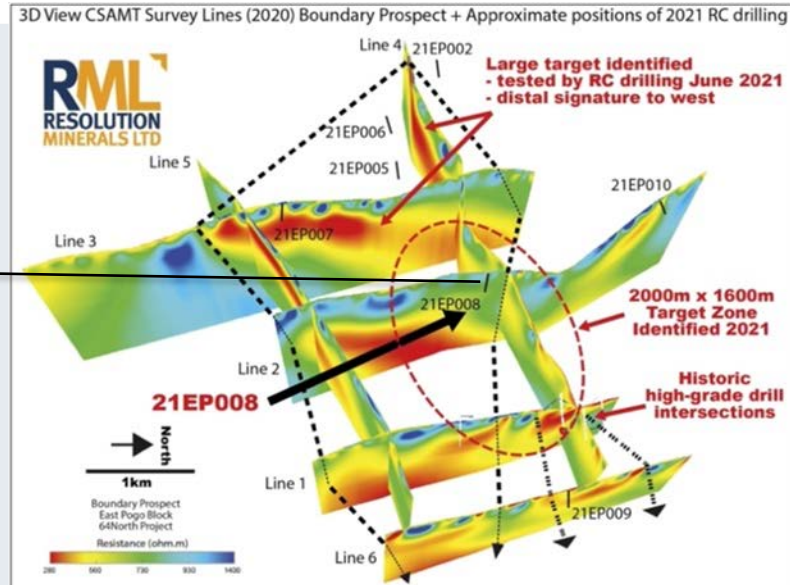
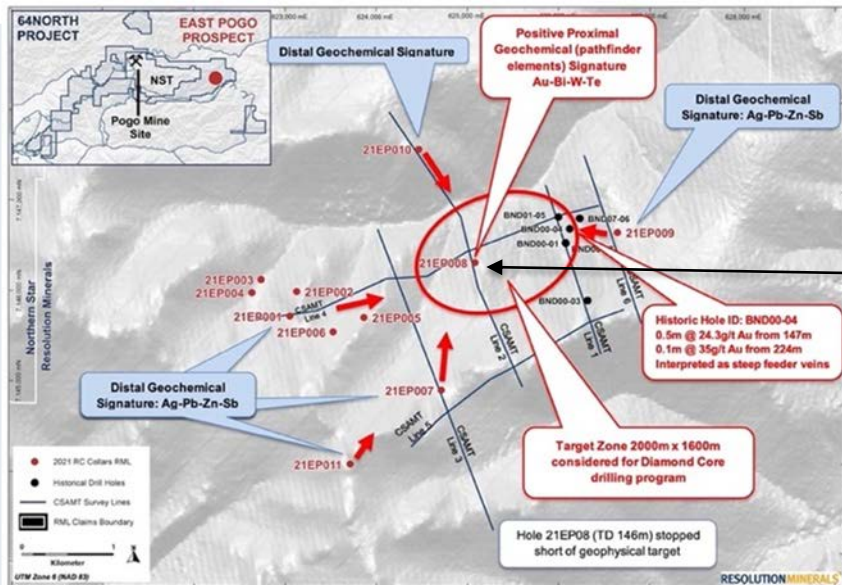
Rock chips up to 118g/t Au (gold)

- Targeting outcropping mineral system to test scale, grade and structural controls
- Rock chips higher grade and more extensive than outcrop at the Sunrise Prospect
- Next to Pogo Mine Road - all year access
- Road & trenches under construction now

Diagram: Highly anomalous surface geochemistry up to 118g/t Au (gold) extending over a 1km x 750m area with a prospective NE-SW trending structurally controlled zone along strike from the Goodpaster Prospect to the north-east (RML ASX Announcement 3/9/2021).

Trenching Now Underway

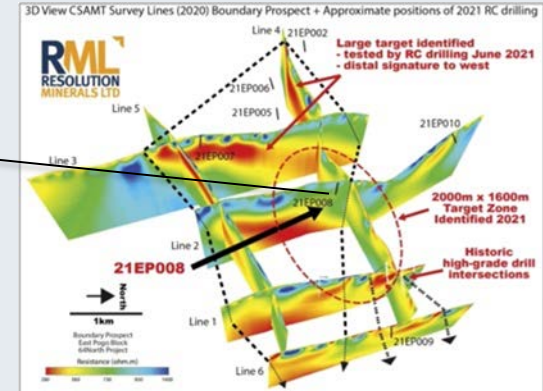
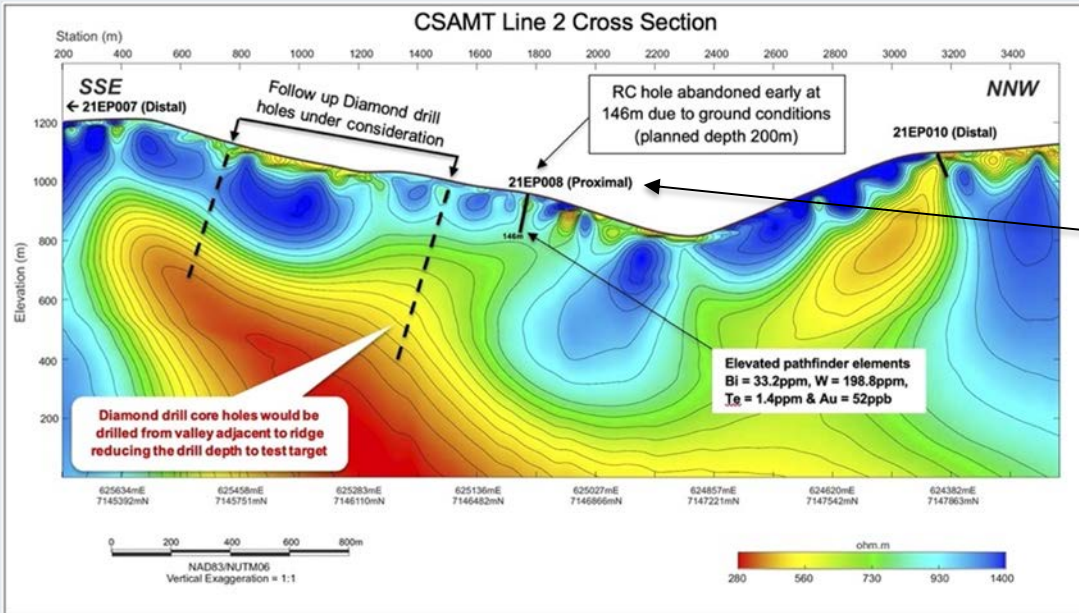
64NORTH: EAST POGO PROSPECT



Recent RC drilling vectors to potential high grade Pogo-style gold mineralisation at depth

- RC drilling program tested multiple Pogo-style gold targets identified with CSAMT geophysics surveys (2020)
- Intersected seven sulfides bearing quartz veins with distal geochemical response over a large area
- Pathfinder element geochemistry, Au-Bi-W-Te at the bottom of **Hole ID 21EP008** indicative proximal to potential Pogo-style at depth and below our drill holes.

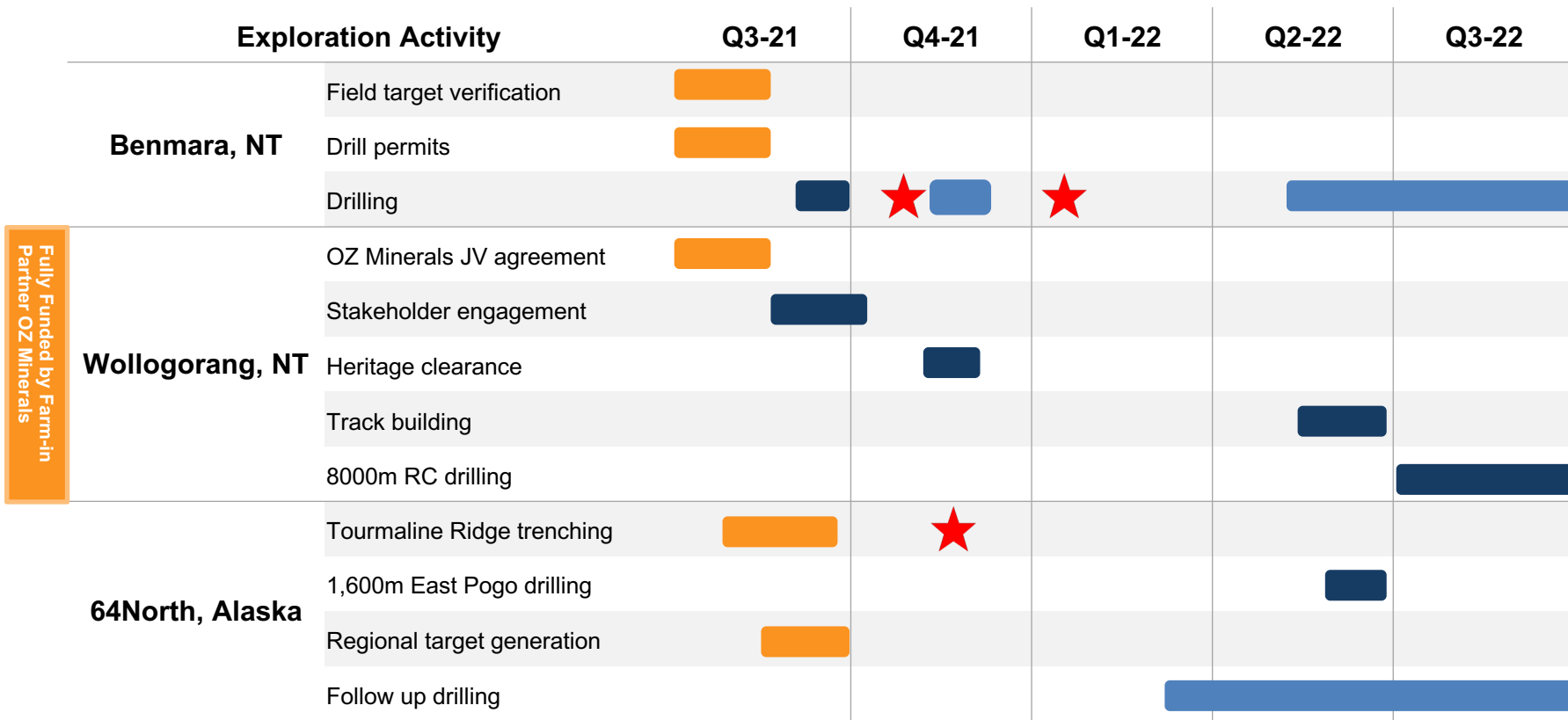
EAST POGO DRILL TARGETS IDENTIFIED



Three hole 1600m deeper diamond core drilling program to test deeper targets designed

- Scheduled for summer 2022 due to logistical considerations for helicopter supported drilling program at this prospect
- Targeting high grade Pogo-style gold mineralisation

OUR NEXT PHASE OF GROWTH - TIMELINE



Fully Funded by Farm-in Partner OZ Minerals



Capital Raising Overview

OFFER OVERVIEW

Capital raising structure	<ul style="list-style-type: none">• Placement (“Placement”) of approximately 84m to raise ~\$1.7m (utilising existing placement capacity)• Share Purchase Plan (“SPP”) to raise approximately \$1.0m - \$1.5m• Collectively the “Offer”
Pricing	<ul style="list-style-type: none">• Fixed issue price of \$0.02 per share, representing a:<ul style="list-style-type: none">- 9.1% discount to close- 17.5% discount to 5-day VWAP- 13.2% discount to 15-day VWAP- 7.9% discount to 30-day VWAP
Free attaching options	<ul style="list-style-type: none">• For each two (2) shares subscribed for under the Offer, investors will receive one (1) free attaching unlisted option. The options will be exercisable at \$0.03 within 24 months from the date of issue. The issue of placement options are subject to shareholder approval.
Ranking	<ul style="list-style-type: none">• New shares issued under both the Placement and SPP will rank equally with existing Resolution shares from their date of issue
JMEI	<ul style="list-style-type: none">• Resolution has received an allocation of up to \$1.25m in JMEI tax credits available for distribution to capital raising participants between 1 September 2021 and 30 June 2022• Eligible participants from this capital raising will receive a distribution in the form of tax credits in September 2022 for use in this current financial year.

TIMETABLE

Placement Timetable	Date
Trading halt	Monday, 13 September 2021
Placement completed and trading halt lifted	Wednesday, 15 September 2021
Settlement of new shares under the placement	Tuesday, 21 September 2021
Allotment of new shares under the placement	Wednesday, 22 September 2021
Issue of Placement options (subject to shareholder approval)	Thursday, 4 November 2021
SPP Timetable (subject to change)	Date
Record date	Tuesday, 14 September 2021
SPP announced	Wednesday, 15 September 2021
SPP opens and SPP documents dispatched	Friday, 17 September 2021
SPP closes	Friday, 8 October 2021
SPP results announcement	Wednesday, 13 October 2021
SPP shares issued	Friday, 15 October 2021
AGM	Monday, 1 November 2021
Lodge and announce Options Prospectus	Wednesday, 3 November 2021
Issue of Placement Options	Thursday, 4 November 2021
Close Options Prospectus and Issue of SPP options	Wednesday, 8 December 2021

A close-up photograph showing a person's hands sifting a brown, granular substance through a metal sieve. The granules are falling into a spoon held below. The background is blurred, showing a white container with some text. A dark blue rectangular overlay with a yellow corner is positioned on the right side of the image, containing the text 'APPENDIX TECHNICAL / DETAILS' in white, bold, sans-serif font.

APPENDIX TECHNICAL / DETAILS

PROJECT OWNERSHIP SUMMARY

64North Project: 30% Interest in 64North Project*

Stage	RML US\$ CASH SPEND	% Earn in RML	RML Shares to Millrock	Stage Completion Fee US\$	Due Date*
Year 2	✓ \$0.9m	42%	-	✗ \$100,000	31/1/2022
Year 3	\$2.35m	51%	10m	\$100,000	31/1/2023
Right to form JV on co-funding basis or continue to earn-in					
Year 4	\$2.35m	60%	10m	\$100,000	31/1/2024

- Year 2 US\$0.9m spend exceeded

- Overspend carried to Year 3

*First right of refusal over vendor interest (Millrock Resources). Vendor (Millrock Resources) is a project generator listed on the TSXV: MRO. Pathway to 80% on one "best Block" of 9 blocks, by loan carrying vendor to first production. Minor NSR royalties to historic prospectors range from 0% to maximum 1.5% on certain areas with buy downs. *One off 6 month "grace period" can extend in any one due date by 6 months. i.e. Year 2 would become 31/7/2022. – see ASX:RML Announcement 9 February 2021 for more details.

Project	Current Interest	Details
Benmara	0%	Resolution has the right to purchase from ASX: SER 100% for AUD\$250k cash or scrip until 14/12/21
Wollogorang	100%	IPO Asset 2017, 12.9m Resource (JORC 2012) Milestone Performance Shares expire 6/9/22 Subject to Farm-in Agreement with OZ Minerals (ASX: OZL) <ul style="list-style-type: none"> • OZL can earn a 51% interest by spending ~\$4.9m over 5 years • RML may retain 49% interest by electing to participate from year 6 • If RML elects not to participate, OZL has the option to earn a 75% interest, by sole-funding and delivering a Positive Final Investment Decision to Mine (at a minimum spend of \$1m/year OZL has a further 5 years to complete)
Snettisham	0%	Disposal to Millrock for nominal \$1. A 30% share of proceeds agreement with Millrock Resources on any proceeds from a transaction created prior to 31/8/2022. No ongoing carrying costs to RML. (Allows focus on NT battery metals and 64North Gold Project).

DISCLAIMER, JORC INFORMATION & COMPETENT PERSONS STATEMENT

This presentation has been prepared by Resolution Minerals Ltd (Resolution). This document contains background information about Resolution current at the date of this presentation. The presentation is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this presentation. This presentation is for information purposes only. Neither this presentation nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sales of shares or other securities in any jurisdiction. This presentation is not a prospectus, product disclosure statement or other offering document under Australian law (and will not be lodged with the Australian Securities and Investments Commission (ASIC) or any other law. This presentation does not constitute investment or financial product advice (nor tax, accounting or legal advice) and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this presentation are not intended to represent recommendations of particular investments to particular persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities involve risks which include (among others) the risk of adverse or unanticipated market, financial or political developments. To the fullest extent permitted by law, Resolution, its officers, employees, agents and advisors do not make any representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of any information, statements, opinions, estimates, forecasts or other representations contained in this presentation. No responsibility for any errors or omissions from this presentation arising out of negligence or otherwise are accepted. This presentation may include forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Resolution. Actual values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. Any forward-looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law, Resolution does not undertake any obligation to update or revise any information or any of the forward-looking statements in this presentation or any changes in events, conditions, or circumstances on which any such forward looking statement is based.

JORC Information

This report includes results that have previously been released under JORC 2012 by the Company Additional details including JORC 2012 reporting tables, where applicable can be found in the following relevant announcements lodged with the ASX and the Company is not aware of any new data or information that materially affects the information included in the announcements listed; 24 November 2017 as "High Grade First Drill Results - Stanton Cobalt Deposit", 29 November 2017 as "Further High Grade Cobalt Results - Stanton Cobalt Deposit", 7 December 2017 as "Stanton Cobalt Resource Remains Open in Multiple Directions", 22 December 2017 as "Detailed Magnetic Survey over Stanton Cobalt Deposit", 5 February 2018 as "Final Drilling Results 2017 Drilling Program", 7 May 2018 as "Stanton Cobalt Resource Diamond Assay Results", 30 May 2018 as "Regional Cobalt Targets Identified on Wologorang Project", 28 August 2018 as "Copper discovered at First Drill Target", 19 September 2018 as "Copper Discovery Grows at Gregjo Prospect", 28 September 2018 as "AGM Managing Director's Presentation", 9 October 2018 as "Copper Intersection Confirms New Model at Running Creek", 19 October 2018 as "Cobalt System Developing at Running Creek", 14 December 2018 as "Cobalt, Copper System Confirmed at Running Creek", 22 January 2019 as "Geophysics Highlight Potential at Gregjo", and 9 July 2021 as "VTEM Survey Identifies Multiple Conductors - Wologorang Project" and on the 64North Project: "2019 AGM Managing Director's Presentation" on 26 November 2019, "Exploration Update - 64North Project Alaska" on 14 May 2020, "Drilling Update - 64North Project Alaska" on 24 June 2020, "Investor Presentation - Noosa Mining Virtual Conference" on 13 July 2020, "Drilling Commenced at Reflection Prospect - 64North" on 25 August 2020, "Assays and Operations Update 64North Project Alaska" on 10 September 2020, "Boundary Prospect Results at Pogo Trend - 64North Project" on 24 September 2020, "Drilling Results West Pogo Block - 64North Project, Alaska" on 29 September 2020, "Quarterly Report September 2020" on 30 October 2020, "Alaska Miners Association Technical Presentation" on 5 November 2020, "New Claims Added East Pogo - 64North Project, Alaska" on 14 December 2020, "Outcropping Gold System Identified - Assay Results 2020, 64North, Alaska" on 18 January 2021, "Positive revision of JV agreement for 64North project, Alaska" on 9 February 2021, "Sunrise Prospect assay results confirm Fort Knox Style mineralisation" 17 May 2021 5 July 2021 as "Drilling Program Completed at East Pogo Gold Prospect", 6 August 2021 as "East Pogo Drilling Update - 64North Project" and 1 September 2021 "Copper Drill Targets Identified - Benmara Project, NT".

Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Duncan Chessell who is a member of the Australasian Institute of Mining and Metallurgy and Australian Institute of Geoscientists. Mr Chessell is a Director and full-time employee of the company. Mr Chessell holds Shares, Options and Performance Rights in the Company as has been previously disclosed. Mr Chessell has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Duncan Chessell consents to the inclusion in the report of the matters based on his information in the form in which it appears.

Project Ownership

64North Project - RML holds a 30% Interest and is earning to a 60% interest from Vendor Millrock Resources with a pathway to earn up to 80% on a "best block". See ASX:RML Announcement 9/2/21. Benmara Project RML has Option to purchase 100% interest, see RML Announcement 15 Dec 2020. Wologorang 100% interest with Farm-in Agreement with OZL to earn-in (see RML Announcement 24 August 2021). Snettisham 0% direct interest (30% share of proceeds agreement with Millrock Resources).

Australian Projects Location Map – source of data Geoscience Australia (LAB 170km Depth Corridor - Hoggard et al 2020), Northern Territory Government of Australia (STRIKE Tenure and Geoscience Information, Queensland Government (Open Data Portal Queensland Mining and Exploration Tenure Series).

Tintinta Gold Province Map – source of data: Kensington (Coeur Mining, www.coeur.com), Pebble (Northern Dynasty, www.northernminerals.com), Pogo (Northern Star Resources, www.nsrtd.com), Fort Knox (Kinross, www.kinross.com), Donlin Creek (NovaGold, www.novagold.com), Livengood (International Tower Hill Mines, www.ithmines.com), Eagle & Dublin Gulch (Victoria Gold Corp, www.vgcx.com), Brewery Creek (Golden Predator, www.goldenpredator.com), White Gold (White Gold Corp, whitegoldcorp.ca), Coffee (Newmont, www.newmont.com).

Authorised for release by Duncan Chessell
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ASX:RML

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