

February 2021

# INVESTOR UPDATE

*"Hunting for Big Deposits In Big Country"*

Copper and Gold Exploration  
Australia and Alaska

**RML**  
**RESOLUTION**  
**MINERALS LTD**  
ASX: RML



# RESOLUTION MINERALS PROJECTS

## PROJECT NAME: WOLLOGORANG

Country: Australia  
Location: 17°S, 137°E  
Key Commodity: Copper, Cobalt  
Ownership: 100%

## PROJECT NAME: 64NORTH

Country: USA  
Location: 64°N, 144°W  
Key Commodity: Gold  
Ownership: 30% interest,  
earning in to 60%

## PROJECT NAME: SNETTISHAM

Country: USA  
Location: 57°N, 133°W  
Key Commodity: Vanadium, Iron, Gold  
Ownership: 100%

## 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, aluminium 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 Top 10 ranked mining jurisdictions*

# COMPANY OVERVIEW

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 largest value creation for shareholders is through discovery success.

**Duncan Chessell - Managing Director BSc, MAIG, MAusIMM, GAICD**

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 – Chair**

Non-Executive; Accountant with a strong commercial acumen across multi sectors including agriculture and telecommunications. Previous Directorships include Vocus Group (ASX:VOC) amongst others.

**Andrew Shearer - Director**

Non-Executive; Geophysicist with a technical and corporate background as a resource analyst. Currently also a Non-Executive Director of Andromeda Metals (ASX:ADN), Investigator Resources (ASX:IVR) and half-time Executive Director of Okapi Resources (ASX:OKR).

**Christine Lawley - Exploration Manager BSc(Hons), MSc, RPGeo, MAIG, MAusIMM**

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 BSc, MSc, MSEG, MAusIMM**

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 and Snettisham Projects.

**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 internationally having worked on projects in Australia, Canada and Africa in precious and base metals.



Capital Structure 9 <sup>th</sup> February 2021 ASX:RML	
Ordinary Shares *	292m
Top 20 Shareholders	25%
Cash 31 December 2020 Quarterly Report	\$1.3m
Total Number of Shareholders	~2400
Options (\$0.10/sh, 30/6/22) Listed RMLOA	6.1m
Options (\$0.12/sh, 30/9/23) Listed RML0B	75m
Options (\$0.25/sh, 6/9/21)	5.8m
Options (\$0.25/sh, 21/3/21)	6.5m
Options (\$0.08/\$0.10/sh, 30/11/22) - escalating price / year	13.4m
Unlisted rights (m) – (to Board and Management)	10.7m
Performance Shares - Class A (m) (IPO Vendor milestones on Wollogorang, 4/9/2022)	9.6m
Performance Shares - Class B (m) (IPO Vendor milestones on Wollogorang, 4/9/2022)	3.6m

\*15m shares due to Millrock Resources end of February

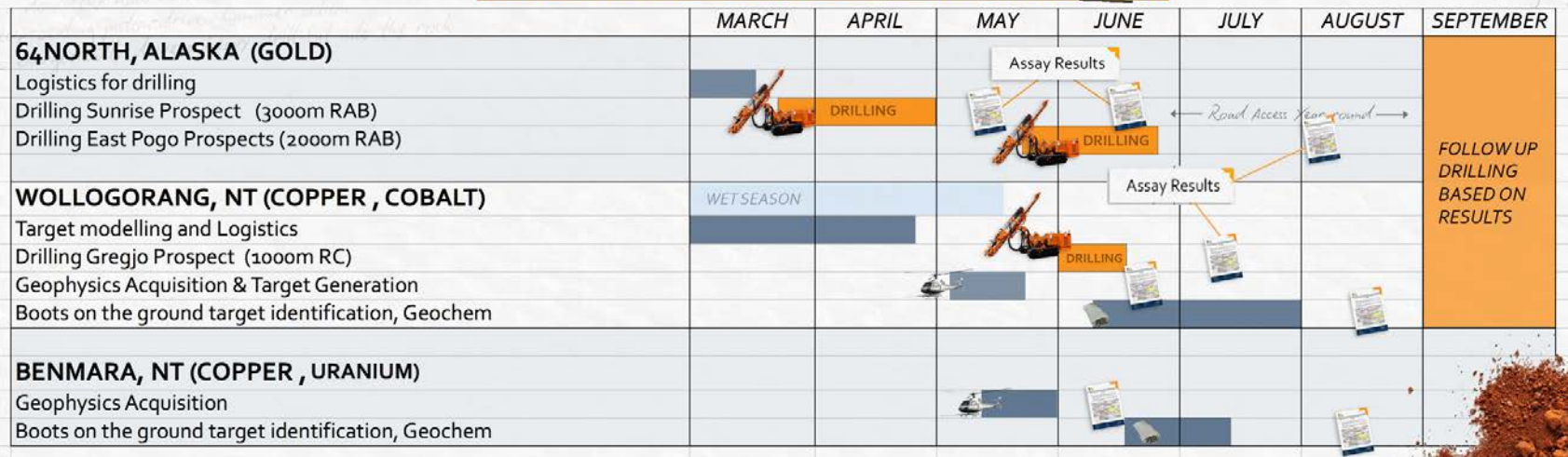
# 2021 EXPLORATION STRATEGY AND NEWS FLOW

## Aims of the next 6 months – Test three of Resolution’s best existing prospects

1. Drill test highest priority gold (2) and copper (1) drill ready prospects in Alaska & Northern Territory
2. Generate further drill targets on Northern Territory projects – battery metals
3. Provide significant news flow to investors, maximise \$ in the ground, diligent on ground work and targeting

Then: >>> Focus further drilling on the best opportunity to add shareholder value - based on results

## RML PROJECTS AND ACTIVITY (2021)



# ALASKA TINTINA GOLD PROVINCE – GIANT GOLD DEPOSITS!



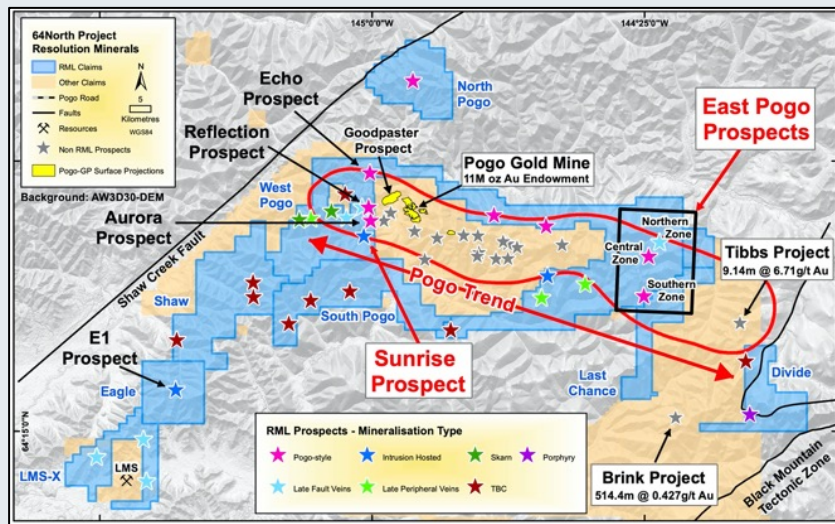
Deposit sizes stated as Endowment (Resources & Reserves + Historic Production), from Company websites, as listed on disclaimer slide

**The focus of drilling for 2021 will be the recently identified compelling 50-150m depth East Pogo Prospects and the road-side outcropping Fort Knox style gold system at the Sunrise Prospect**

## The 64North Project – Alaska

- Drill testing 2 potential GIANT size gold prospects in 2021: Sunrise and East Pogo
- 672km<sup>2</sup> surrounding the 11M oz Au Pogo Gold Mine owned by Northern Star (ASX:NST)
- 30% interest achieved with right to earn a:
  - 42% interest further US\$0.9m spend (18 months)
  - 51% interest further US\$2.35m (2 years) then JV or
  - 60% interest further US\$2.35m (3 years).
- In 2020 built a strong pipeline of 30 prospects and acquired new geophysical data sets and built jurisdictional expertise.

# 64NORTH PROJECT - ALASKA



## East Pogo Prospects

### Compelling shallow drill targets

- Positioned on the mineralised Pogo Trend between the Pogo Mine & Tibbs discovery
- 50-150m deep Pogo-style potential high-grade gold over three zones identified from extensive 2020 geophysics surveys (US\$400K)
- Historic drill holes of high-grade gold intersections open along-strike supports the prospectivity of East Pogo.
- 2000m RAB drill program May-June 2021

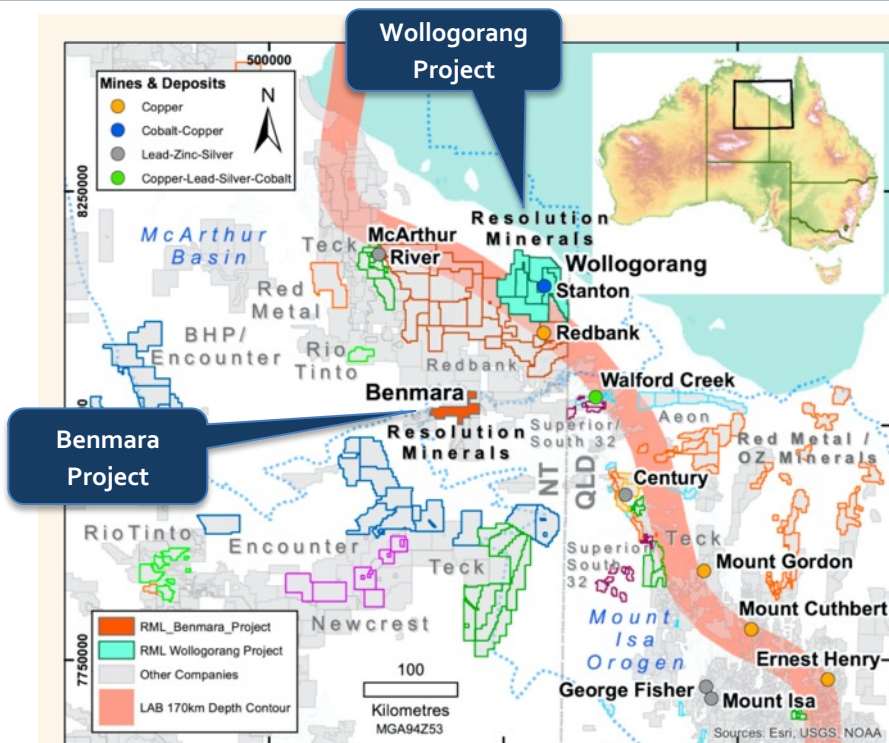
## Sunrise Prospect

### Outcropping mineralisation identified in late 2020

Entire 137m of road-cutting samples return elevated gold, demonstrating scale potential of an outcropping Fort Knox style (intrusion hosted) gold system. (Note a 0.1g/t Au cut-off grade is used the highly profitable Fort Knox Mine)

- 93m @ 0.29g/t Au - including 27m @ 0.53g/t Au; max 1m interval of @ 1.89g/t Au
- 3000m RAB drill program organised for a March 2021 start.

# NORTHERN TERRITORY BATTERY METAL PROJECTS



## Wollgorang Project (Cu-Co)

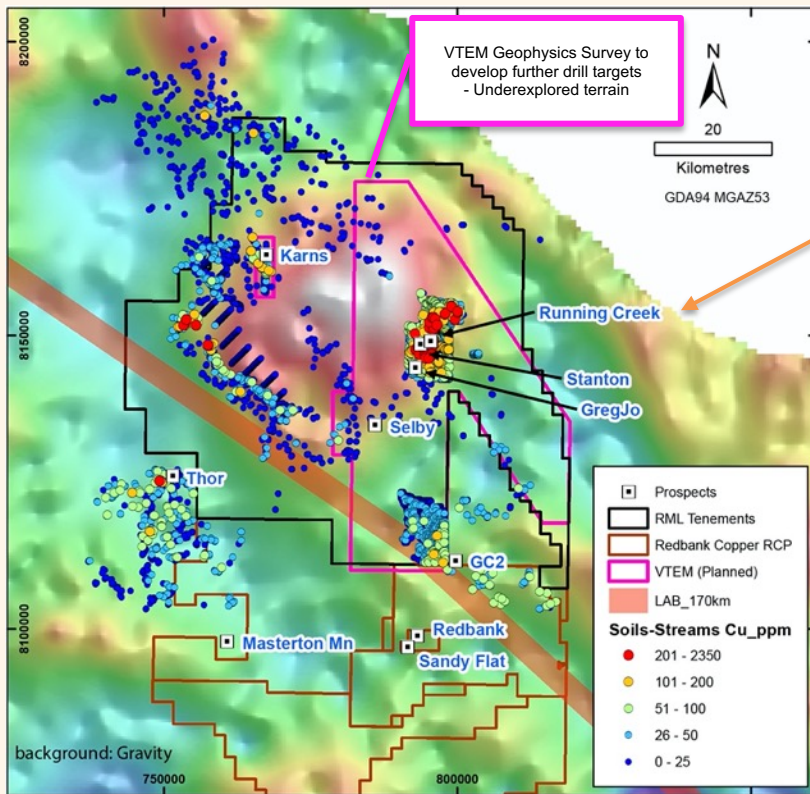
- Drill the Gregjo Copper Prospect to test chargeable IP geophysical anomaly underlying copper mineralisation intersected in shallow RAB drilling
- Covering 3825km<sup>2</sup> in the McArthur Basin prospective for sedimentary hosted battery metals: copper, cobalt and prospective for hard rock uranium. 100% owned.
- Stanton Cobalt Deposit (942kt @ 0.13% Co, 0.06% Ni, 0.12% Cu)
- Wollgorang is positioned on Geoscience Australia's newly identified base metal corridor - (Hoggard et al 2020)
- Previous cobalt exploration (>\$10m) by CRA (Rio Tinto) and N27 targeted narrow small scale breccia pipes not the large regional scale fault systems. These programs intersected Cu in shallow drilling on regional structures demonstrating the model for large scale sedimentary hosted systems. Due to corporate/ commodity prices the copper potential was not followed up.

## Benmara Project (option to acquire 100%)

- Complementary to Wollgorang covering 663km<sup>2</sup> along-strike from the Walford Creek Cu-Ag-Pb-Zn-Co and Westmoreland U Deposits on the Fish River Fault
- Anomalous Copper-Silver-Lead-Zinc in surface geochem, potential for IOCG and Uranium

Major and mid-tier companies exploring in the region include South32, Rio Tinto, BHP, Newcrest and OZ Minerals and world class deposits in production e.g. McArthur River Mine

# THE WOLLOGORANG COPPER-COBALT PROJECT



## Gregjo Prospect (Cu) - to be drill tested in 2021

- 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 (below 30m deep RAB drilling)
- 7m @ 1.23% Cu from 4m (18RAB13);
  - **Including 1m @ 4.2% Cu**

## Running Creek Prospect (Cu-Co)

- Chargeable (IP) geophysics anomaly untested
- 55m @ 0.78% Cu from 1m (18RAB102)
  - including 33m @ 1.1% Cu from 11m.



1000m RC drilling to test IP anomalies mid-year

## Stanton Cobalt Deposit\*

Total Mineral Resource Estimate 942,000t @ 0.13% Co, 0.06% Ni and 0.12% Cu

\*See ASX announcement 9/4/2018 (ASX:N27) for Company JORC (2012) resource statement.



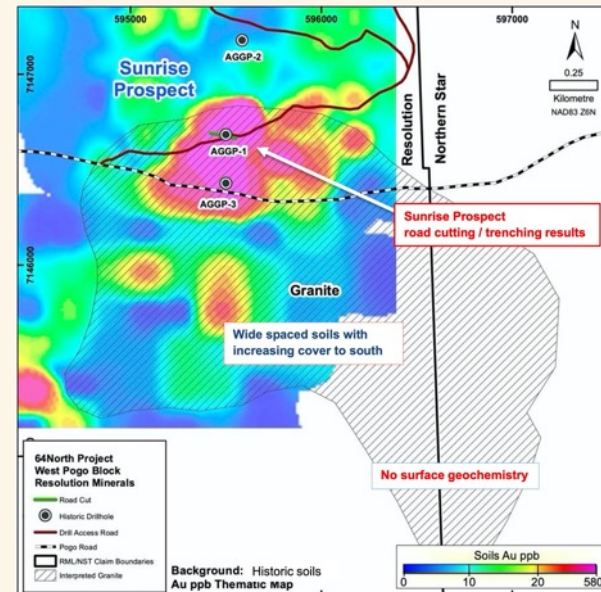
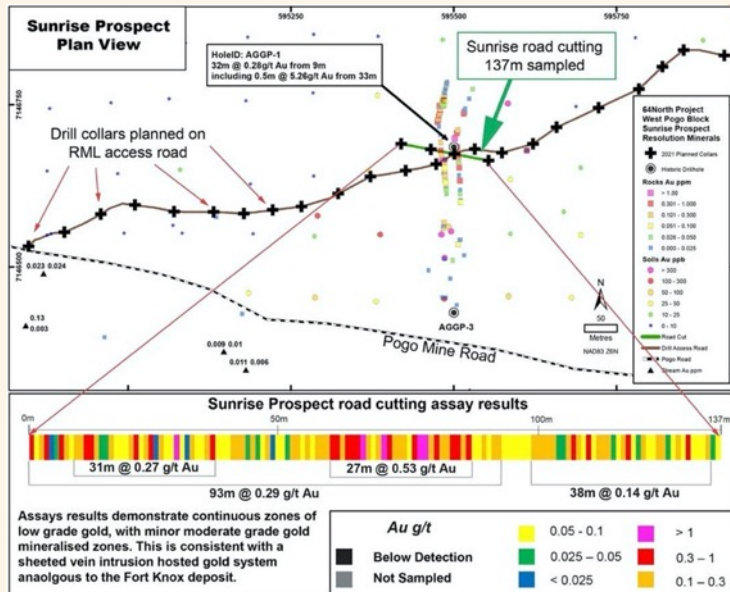
A close-up photograph showing a person's hands sifting a brown, granular substance through a metal sieve. The granules are being collected in a small metal spoon held in the foreground. The background is softly blurred, showing a white container and a wooden surface. A dark blue rectangular overlay with a yellow corner is positioned on the right side of the image, containing the text 'APPENDIX TECHNICAL' in white, bold, sans-serif font.

# APPENDIX TECHNICAL

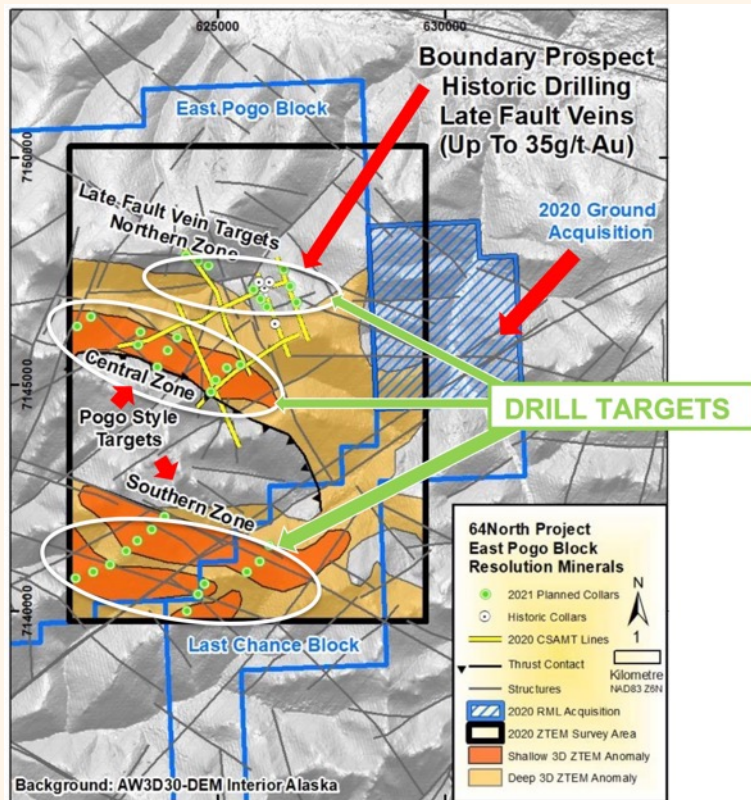
# 64NORTH: SUNRISE OUTCROPPING FORT KNOX STYLE

## Surface trenching demonstrates outcropping Fort Knox style system

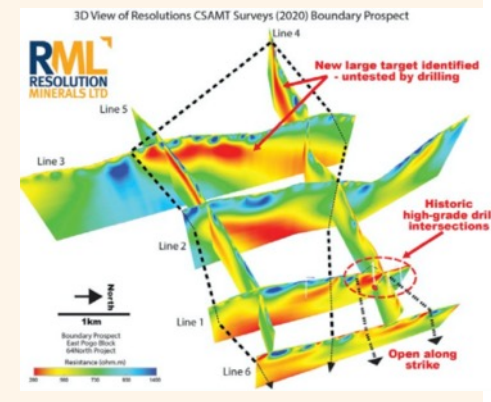
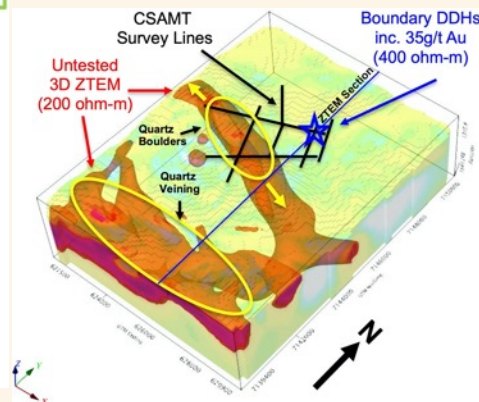
- Entire 137m of road-cutting samples return elevated gold results in January 2021
- 3000m of cost effective shallow RAB drilling will determine the scale potential and extent of mineralisation over 1400m fence line of 60-80m deep holes



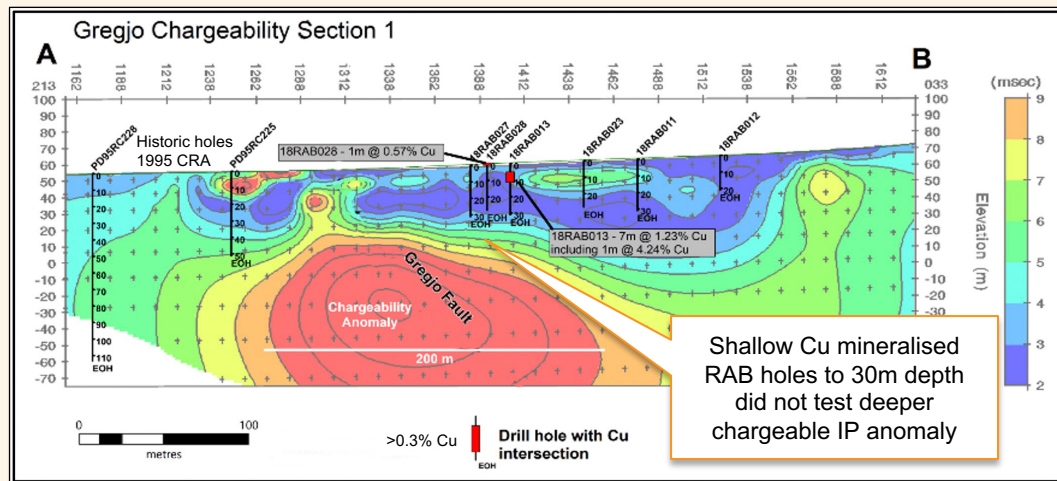
# 64NORTH: EAST POGO SHALLOW HIGH GRADE GOLD TARGETS



- Extensive RML geophysics surveys (US\$400K) in 2020 (ground-based CSAMT, airborne ZTEM and MAG surveys) identified compelling drill targets for summer 2021 season
- Combined Historic Data review with on ground mapping
- Identification of a low angle shear Pogo-style targets within range of low cost RAB drilling
- 2000m RAB program ~22 holes (50-150m depth) will evaluate the potential of East Pogo to host high-grade gold mineralisation near surface.



# WOLLOGORANG PROJECT: GREGJO PROSPECT



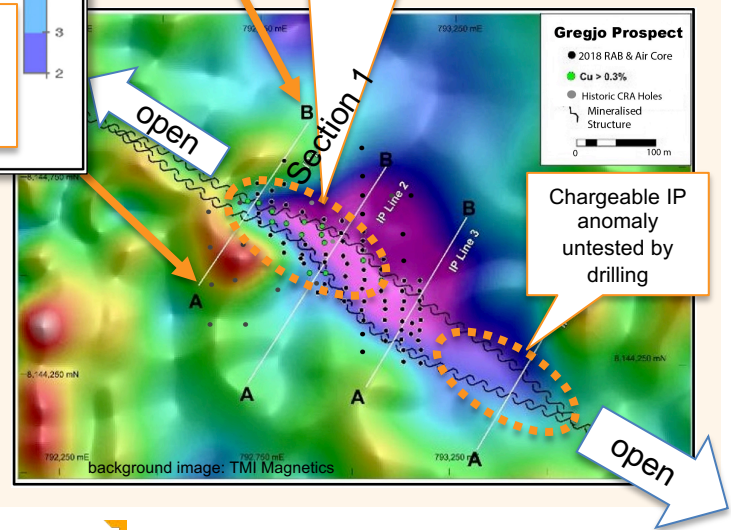
Large Chargeable IP anomaly sits below shallow RAB drilling.

18RAB013: (2018 Co program)

7m @ 1.23% Cu including

- 1m @ 4.24% Cu

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



Chargeable IP anomaly untested by drilling

- ✓ 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 70m depth to top of target (sits below RAB drilling)

# 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
<b>Right to form JV on co-funding basis or continue to earn-in</b>					
Year 4	\$2.35m	60%	10m	\$100,000	31/1/2024

*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	Interest	Details
Benmara	0%	Right to purchase 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 4/9/22
Snettisham	100%	1m Milestone Shares on Resource (JORC 2012) definition or retain claims as on 17/12/21

# 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 and Copper System Confirmed at Running Creek" and 22 January 2019 as "Geophysics Highlight Potential at Gregjo", 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" 18 January 2021 and 9 February 2021 "Positive revision of JV agreement for 64North project, Alaska".

## 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. Snettisham 100% interest.

**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).

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



# CONTACT

Authorised for release by  
Duncan Chessell  
Managing Director  
Resolution Minerals Ltd  
+61 414 804 055 (direct)

ASX:RML

duncan@resolutionminerals.com  
Level 4, 29-31 King William Street  
Adelaide SA 5000, AUSTRALIA  
www.resolutionminerals.com