

RESOLUTIONMINERALS¹

HUNTING FOR BIG TARGETS IN BIG COUNTRY



**INVESTOR
PRESENTATION**
11 NOVEMBER 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

~\$10m

Top 20 Shareholders

31%

Share Price

\$0.02

JMEI Tax Credits

\$1.25m

Shares on issue

619m

Active Projects

3

**Figures current as of 02/11/2021*

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.**



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

CORPORATE – STRONG POSITION

Attractive battery metals ground position in Northern Australia

- Benmara Project expanded with recent transactions and applications
- Wollogorang Project

Precious metals exposure via 64North Gold Project in Alaska

- Surpassed year 2 exploration spend to earn 42% interest
- Surrounds 11 M oz Pogo Gold Mine

OZ Minerals Farm-in & JV – Wollogorang Project

- Sole funding ~\$5m of exploration activities to earn 51% interest

Solid cash position

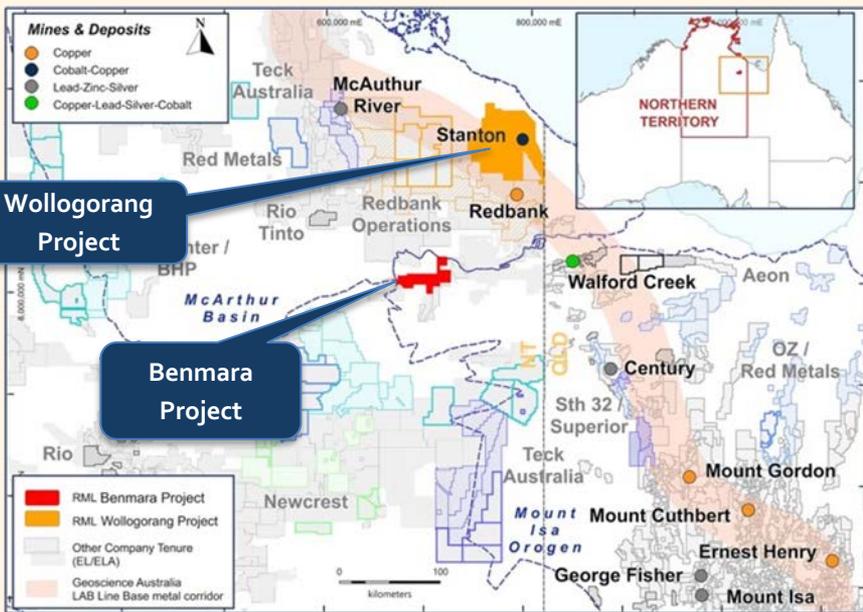
- The Company reports \$2m cash at bank on 30 September
- \$1.7m SPP completed post end of quarter, 26 October

\$1.25m Junior Minerals Exploration Incentive (JMEI) tax credits



NORTHERN TERRITORY BATTERY METAL PROJECTS

The **Benmara Project** and **Wollogorang Project** are part of Resolution's strategy to explore for battery metals in Northern Australia



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

- Covering 2,230km² of the South Nicholson Basin margin and positioned on the Fish River Fault west of the polymetallic Walford Creek Deposit (Cu-Ag-Pb-Zn-Co) and Uranium occurrences
- 2,892m RC drilling program was completed in September – **assays pending**

Wollogorang Project JV (Cu, Co, U)

- Covering 3,825km² in the McArthur Basin prospective for sedimentary hosted battery metals: copper, cobalt and hard rock uranium
- Wollogorang 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 Greggio 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

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

BENMARA PROJECT

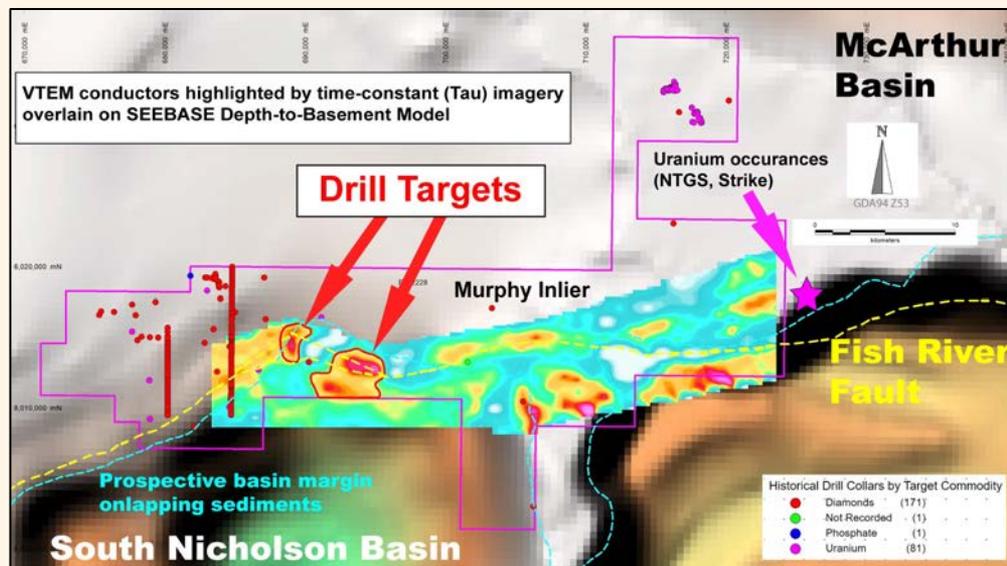


2,982m Drilling Program, September 2021

BENMARA PROJECT, NT – DRILLING

ASSAYS PENDING

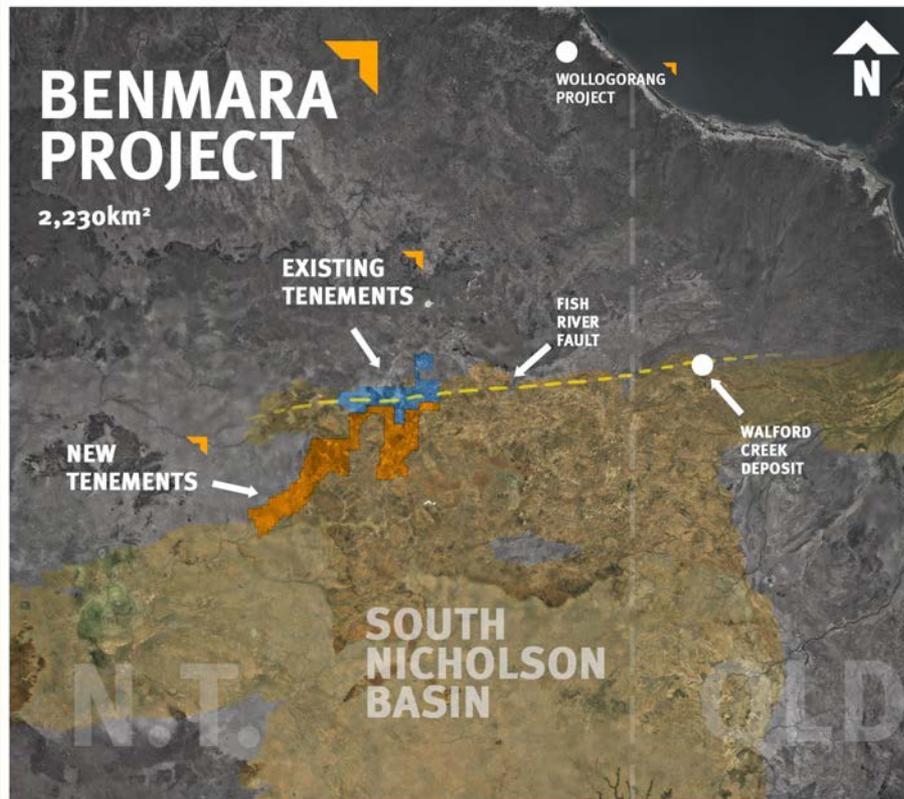
In October 2021, a 2,892m RC drilling program followed up 4km and 2km strike length targets identified by VTEM geophysics survey in favourable sediment hosted copper setting



- First drill program in the north-east margin of the South Nicholson basin which is untested by previous explorers
- Same geological setting as the Walford Creek Deposit *40.9Mt @ 2.03% CuEq (*Aeon Metals website ASX: AML)
- The copper / battery-metal 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)
- 2,892m RC drilling program **was completed** in October – **assays pending**

BENMARA PROJECT, NT

ASSAYS PENDING



Resolution now holds a commanding ground position of 2,230km² on the north-east margin of the South Nicholson Basin along the Fish River Fault – the two key geological features of this under explored region.

The project area covers the north eastern margin of the South Nicholson Basin – the ground is one of the last un-explored basins in Australia and prospective for sediment hosted battery metals and potential for unconformity style uranium.

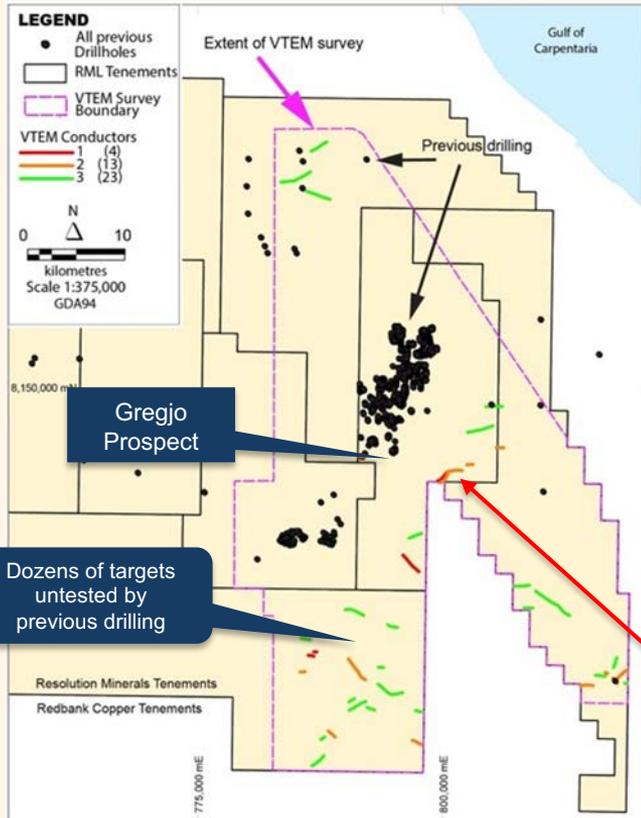
Resolutions' early mover advantage has locked up a significant ground position for this emerging region with the likes of BHP, Teck and South32 getting active in the region.

WOLLOGORANG PROJECT



RAB Drilling, Gregjo Prospect

WOLLOGORANG PROJECT – COPPER POTENTIAL



The underexplored Wollogorang Project is located in the highly prospective McArthur Basin, with surrounding ground held by Teck, BHP, Rio Tinto, Redbank and South 32.

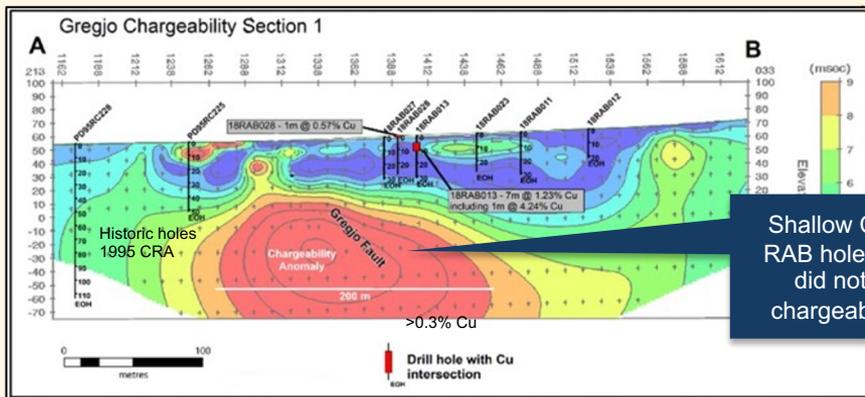
Results from VTEM geophysics survey identified 40 conductors highlighting the copper potential of the Project.

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.

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

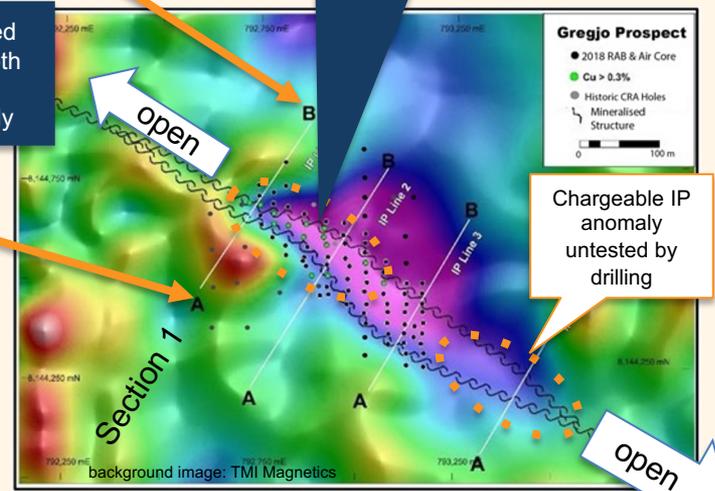
WOLLOGORANG PROJECT: GREGJO COPPER PROSPECT

Previous drilling has demonstrated the presence of copper and cobalt in the system.



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



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 60m depth to top of target (sits below RAB drilling)

WOLLOGORANG PROJECT – GAME CHANGER

The **GAME CHANGER** is the **Farm-in & JV** agreement struck with Australian copper producer **OZ Minerals**.

The recent agreement will see OZ sole fund exploration activities in stages, potentially through to final investment decision (FID) to mine.



OZ Minerals Farm-in & JV

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

Next Steps

- Project familiarisation with OZ Minerals team is underway
- Heritage surveys and community engagement is underway
- **Drilling to take place in 2022 dry season**

64 NORTH PROJECT



Tourmaline Ridge Trenching Program, September 2021

ALASKA TINTINA GOLD PROVINCE – GIANT DEPOSITS!

The 64North Project – potential GIANT size gold prospects in highly prospective Pogo District.

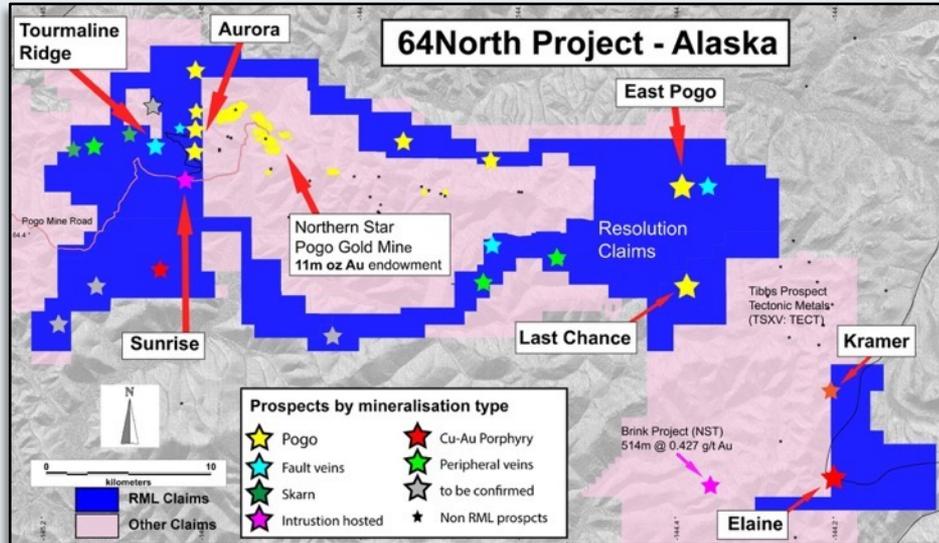


Deposit sizes stated as Endowment (Resources + Reserves + Historic Production), from Company websites, as listed on disclaimer slide

64North Project Overview

- 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 best prospects and reduce carrying costs
- Expenditure for 42% earn-in exceeded, further spend carried-forward to 2022 (Year 3)

64NORTH: OVERVIEW



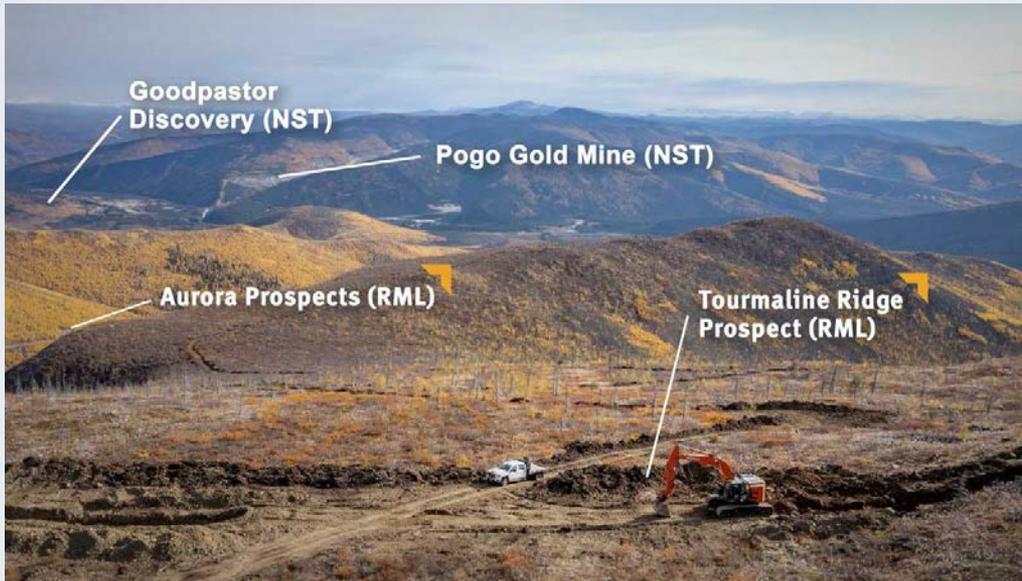
The Right Ingredients

- ☑ Next to operating high-grade Pogo Gold Mine - 11Moz gold endowment
- ☑ 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 (ZTEM, CSAMT) at Aurora and East Pogo Prospects
- ☑ Sunrise Prospect – confirmed Fort Knox intrusion-hosted mineralisation style
- ☑ Tourmaline Ridge Prospect – high grade rock chips up to 118g/t Au (gold)
- ☑ The Elaine Cu-Mo-Au Porphyry Prospect
- ☑ Historic Exploration Database US\$15 million in expenditure 1998-2012.

64NORTH: TOURMALINE RIDGE PROSPECT

ASSAYS PENDING

The Tourmaline Ridge prospect lies on a NE-SW trend of mineralisation leading to Northern Star's (ASX:NST) Goodpaster Discovery, which is undergoing a \$21m resource drill out along strike.

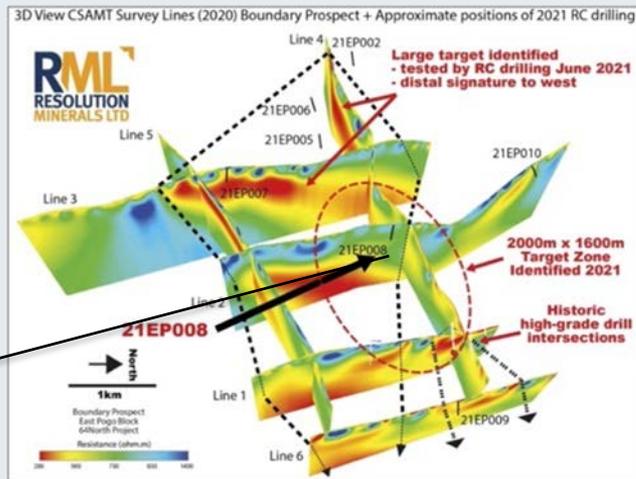
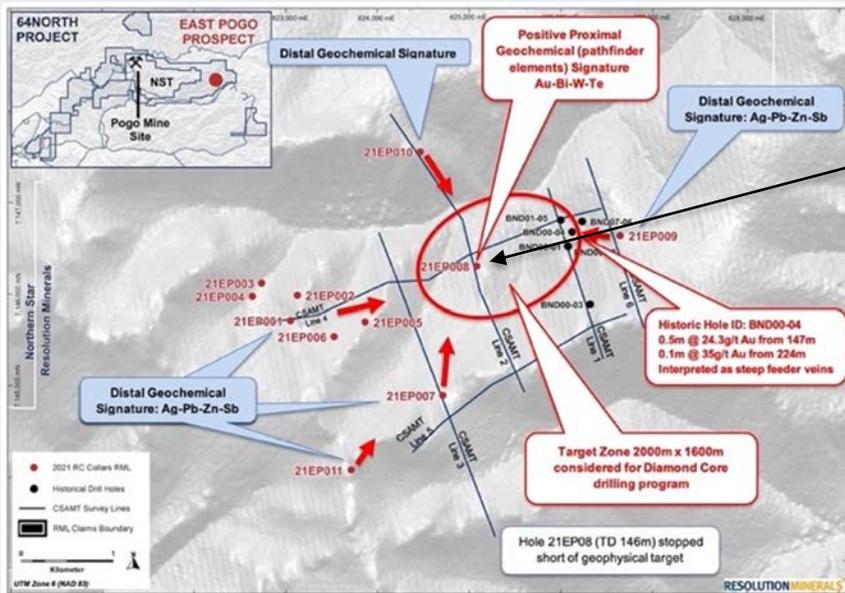


In October 2021 a first pass 820m trenching program was completed at the Tourmaline Ridge Prospect.

- Trenching was targeting outcropping mineral systems to test scale, grade and structural controls
- Surface geochemistry up to 118g/t Au (gold) in rock chips extends over a 1km x 750m area
- Rock chips are higher grade and more extensive than at the nearby Sunrise Prospect where a 280m wide gold mineralised corridor was identified by RAB Drilling in 2021
- Next to Pogo Mine Road - all year access

64NORTH: EAST POGO PROSPECT

A 1,663m RC drill program in 2021 vectors in on potential high grade Pogo-style gold mineralisation at depth. Using pathfinder element geochemistry (Au-Bi-W-Te)



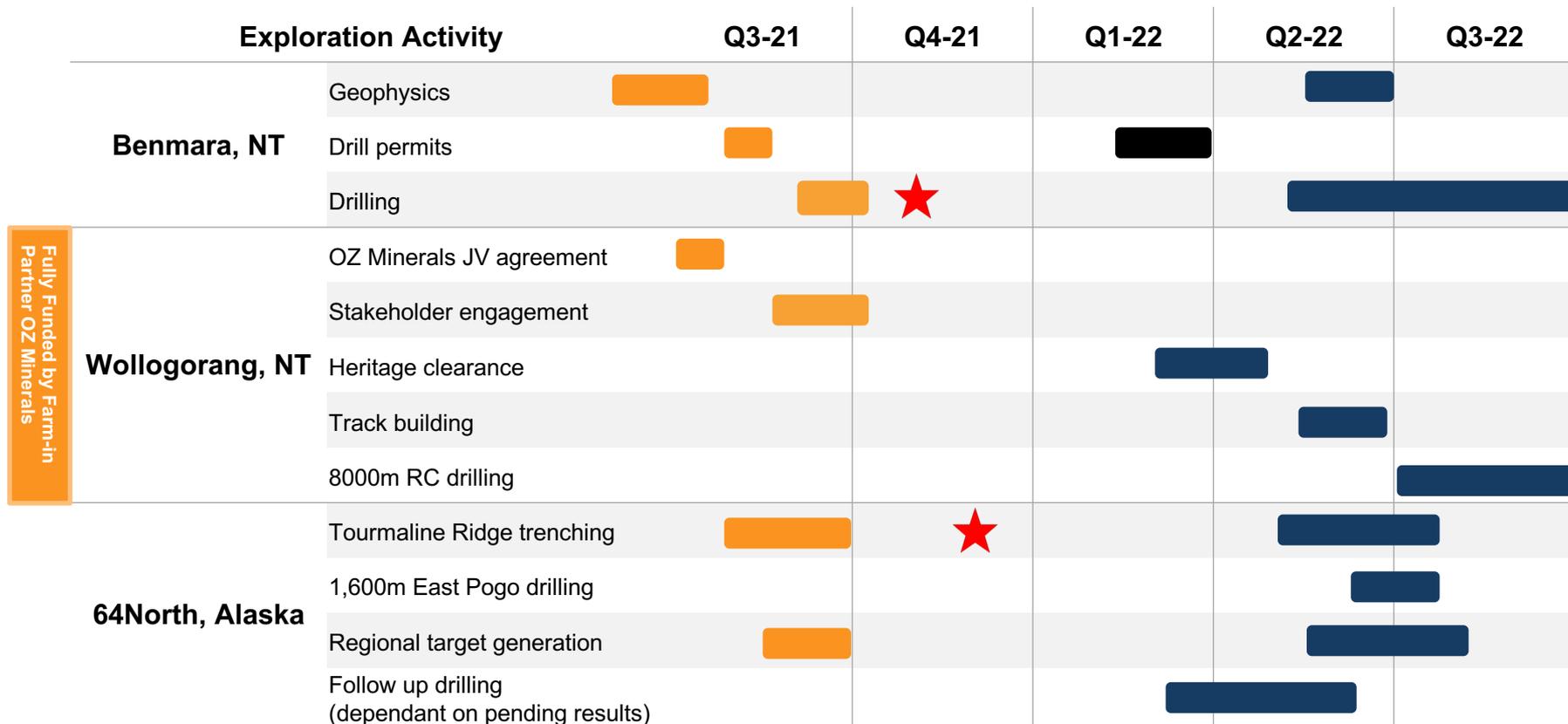
2021 RC drilling program

- 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

Next Steps 2022

- Follow up drilling - three deeper drill holes totalling 1600m total, to test deeper targets identified (summer 2022)
- Targeting high grade Pogo-style gold mineralisation

OUR NEXT PHASE OF GROWTH - TIMELINE



Fully Funded by Farm-in Partner OZ Minerals

Completed/Underway

Planned

RESOLUTION MINERALS¹

Assays

A photograph of a drilling rig in operation at the Benmara Project. The rig is a tall, red structure with a long vertical pipe extending upwards, emitting a plume of white steam or smoke. In the background, there are several white pickup trucks and other vehicles parked on a dirt area. The surrounding landscape is arid with sparse green trees and a clear blue sky.

ASSAYS PENDING

BENMARA PROJECT

Drilling program focused on large Copper and base metals targets just completed

An aerial photograph of the Wollogorang Project. The image shows a large, flat, reddish-brown area with several small, rectangular green structures scattered across the landscape. A red drilling rig is positioned in the lower-left quadrant, with a white truck and other equipment nearby. The background is a mix of dry earth and sparse vegetation.

FULLY FUNDED JV

WOLLOGORANG PROJECT

Extensive, fully funded drill program targeting Copper and battery metals to start in 2022

A photograph of a drilling rig at the 64North Project. The rig is a large, complex structure with a prominent orange and white cylindrical tank. It is situated on a dark, rocky, and somewhat barren landscape. Several workers in safety gear are visible around the rig, and there is a significant amount of white steam or smoke rising from the site. The background shows a hilly, rocky terrain under a clear sky.

ASSAYS PENDING

64NORTH PROJECT

High priority gold targets identified next to Pogo Gold Mine (NST) in world class gold district



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 \$10. 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).

64NORTH: TOURMALINE RIDGE

ASSAYS PENDING

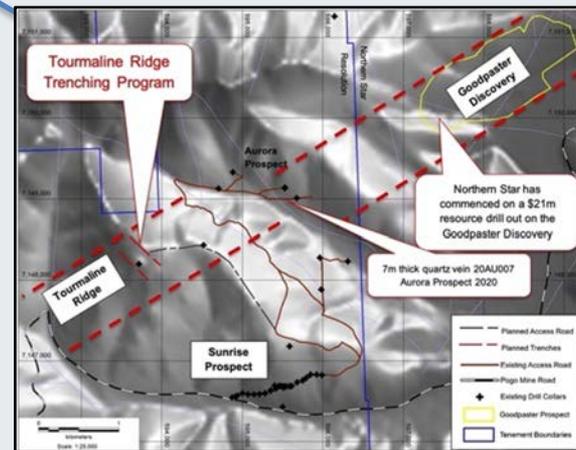
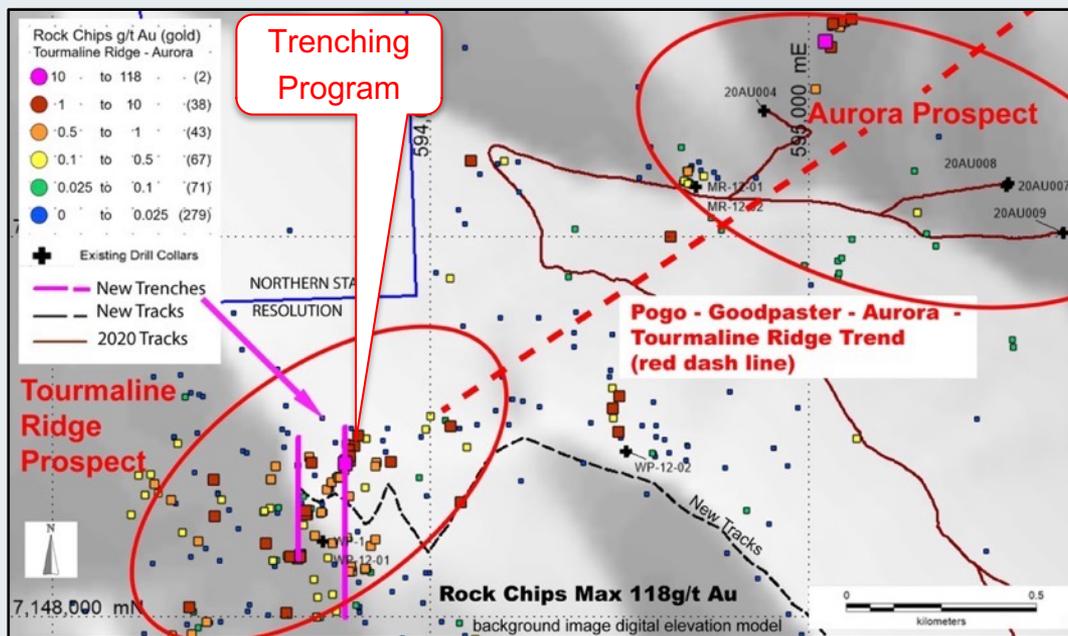


Diagram: Highly anomalous surface geochemistry up to 118g/t Au (gold) extending over a 1km x 750m area with a prospective NE-SW trending structurally controlled zone along strike from the Goodpaster Prospect to the north-east (RML ASX Announcement 3/9/2021).

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.northerndynastyminerals.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

Managing Director Resolution Minerals Ltd

ASX:RML

Contact Details

+61 414 804 055 (direct)

duncan@resolutionminerals.com

Level 4, 29-31 King William Street

Adelaide SA 5000, AUSTRALIA

www.resolutionminerals.com



RML
RESOLUTION
MINERALS LTD