

**AGM 2020**

**Hunting Big Targets, in Big Country!  
Gold in Alaska and Copper in NT**

27 November 2020

Duncan Chessell – Managing Director



# CORPORATE SNAPSHOT

\$12m Market Cap  
\$4.6M cash last qtr

## Duncan Chessell - *Managing Director*

Geologist, 20+ years experience in business and oil, gas and mineral exploration (gold, battery and base metals) with gold discovery success in Australia and project generation in Papua New Guinea. Expert in remote & cold weather logistics, triple Mt Everest summits. Currently also Non-Executive Director of the Outdoor Education Group.

## Len Dean - *Chairman*

Non-Executive; Metallurgist, experienced ASX Chairman, BHP Marketing Director Iron Ore and Group General Manager Minerals Marketing. MD of India's largest listed Iron Ore Company. Over 45 years industry experience.

## Andrew Shearer - *Director*

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

## Craig Farrow - *Director*

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

## Technical Team Resolution Minerals Ltd

### 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. Before joining RML Christine was consulting for 5 years in Australia to multiple ASX listed companies on greenfield projects. Christine leads a combined North American and Australian 64North Project technical team and as well as overall Exploration Manager for Resolution in a full-time capacity.

### Kelvin Blundell - Consulting Geophysicist

Sandfire's consulting geophysicist for the significant DeGrussa Cu-Au massive-sulphide discovery with 20 years experience in Australia, Canada and Africa.

**Marc Twining** – Principal Geologist, 25 years experience in gold systems throughout Australia.

## Capital Structure 17 November 2020

Ordinary Shares (ASX:RML)	279m
Market Capitalisation (A\$) – 4.5 cents (17/11/20)	\$12.6m
Cash (A\$) (30 Sep 20) (last quarterly report)	\$4.6m
Enterprise Value (A\$)	\$8m
Listed Options \$0.10/sh, expire 30/6/22 (ASX:RML0A)	6.1m
Listed Options \$0.12/sh, expire 30/9/23 (ASX:RML0B)	74.4m
Unlisted Options \$0.25/sh, expire 6/9/21 (5.8m) & 21/3/21 (6.5m)	12.3m
Unlisted Options \$0.06/\$0.08/\$0.10/sh, expire 30/11/22	13.4m
Unlisted performance rights	7.5m
Performance Shares - Class A (milestones on Wollgorang project)	9.6m
Performance Shares - Class B (milestones on Wollgorang project)	3.6m

## History

Listed on the ASX September 2017 as Northern Cobalt (ASX:N27) on the Stanton Cobalt Deposit, Wollgorang Project in the Northern Territory (Australia). 2018 focussed on adding tonnes of Cobalt resources within 15km of the Stanton Deposit and identified numerous Copper prospects. Cobalt price fell to 1/3<sup>rd</sup> - project put on review. 2019 Acquired the V-Fe Snettisham Project in Alaska on strong demand for Vanadium, but as the Vanadium price returned to long term trend exploration halted. Late 2019 a change of management and direction to GOLD exploration focussed on the 64North Project in Alaska during 2020, surrounding the world-class Pogo Gold Mine owned by \$16B market cap Northern Star. Late 2020 a review of 2<sup>nd</sup> and 3<sup>rd</sup> order Cu, Au, Co, V-Fe projects and narrowing of strategic direction to Gold and Copper.

**HOLE #8**

AURORA PROSPECT

(ASX: RML)

DRILL RIG AT  
GOODPASTER PROSPECT

(ASX: NST)

POGO GOLD MINE

(ASX: NST)

**Currently drilling in ALASKA (- 30C)**

# ALASKA TINTINA GOLD PROVINCE – GIANT GOLD DEPOSITS!

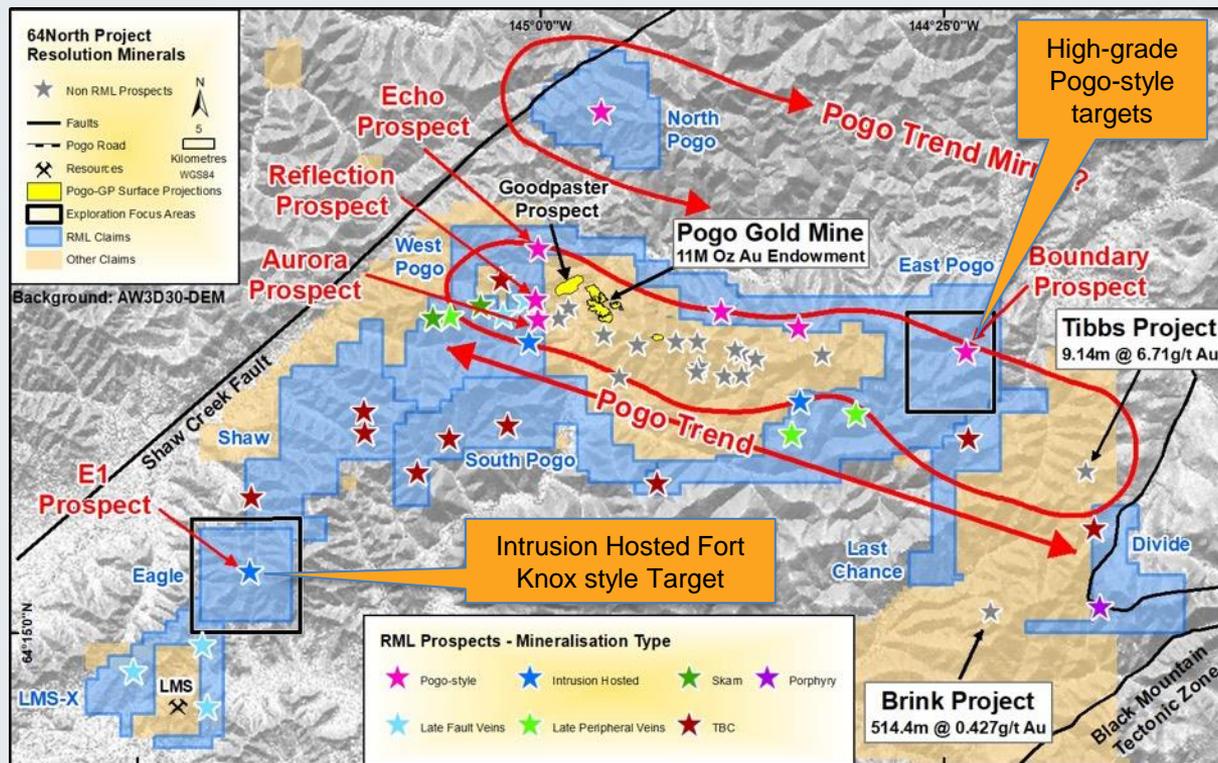


## Resolution's 64North Project

- **Surrounds** the high-grade world-class 11Moz Au Pogo Gold Mine owned by \$16B market cap Northern Star (ASX:NST).
- **Drilling now at Aurora Prospect following up 7m thick Pogo-style quartz vein from last program.**
- Road access drilling year-round
- 4 year US\$20m earn-in to 60% with conditional pathway to 80%.
- Met the 1<sup>st</sup> year earn-in requirement of US\$5m

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

# 64NORTH PROJECT, ALASKA – POGO TREND



## Pogo Trend Includes:

- **West Pogo Block (RML)**
- Goodpaster (NST)
- Pogo Gold Mine (NST)
- **East Pogo Block (RML)**
- Tibbs Project (Tectonic)

## Intrusion Hosted Includes:

- Brink Project (NST)
- **E1 Prospect (RML)**

## RML 64North Project

- 31 Prospects
- 3 High Priority Drill Prospects; Aurora, Boundary and E1
- **Currently Drilling Aurora**

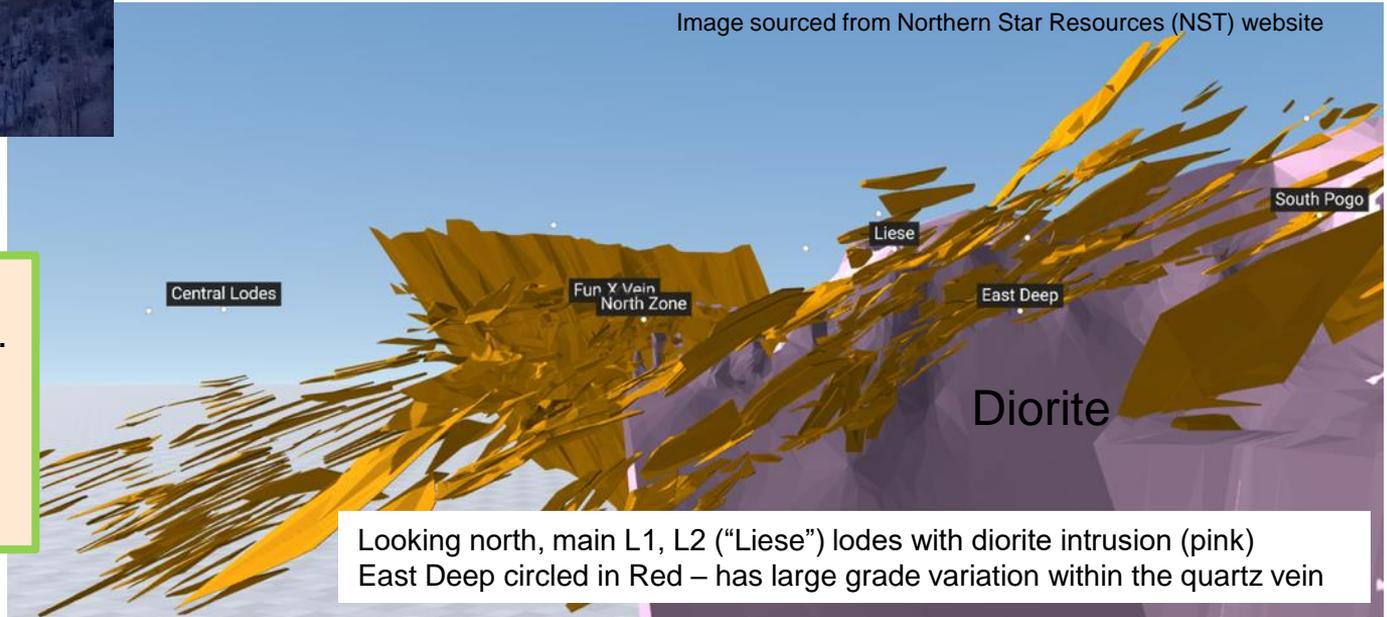
# AURORA TARGETING - POGO GOLD MINE STACKED QUARTZ LODES



Pogo Gold Mine has produced 4M oz @ 13.6 g/t Au at 300,000 oz Au / year  
Quartz veins are often stacked sets, 1-10m thick with <3% sulphides and Au-Bi-As-Te path-finder elements. HIGH GRADE often multi-ounce!

Image sourced from Northern Star Resources (NST) website

High grades zones within the quartz lodes. Historical early drilling only 1 in 3 holes hit "high grade" - must be persistent.



Looking north, main L1, L2 ("Liese") lodes with diorite intrusion (pink)  
East Deep circled in Red – has large grade variation within the quartz vein

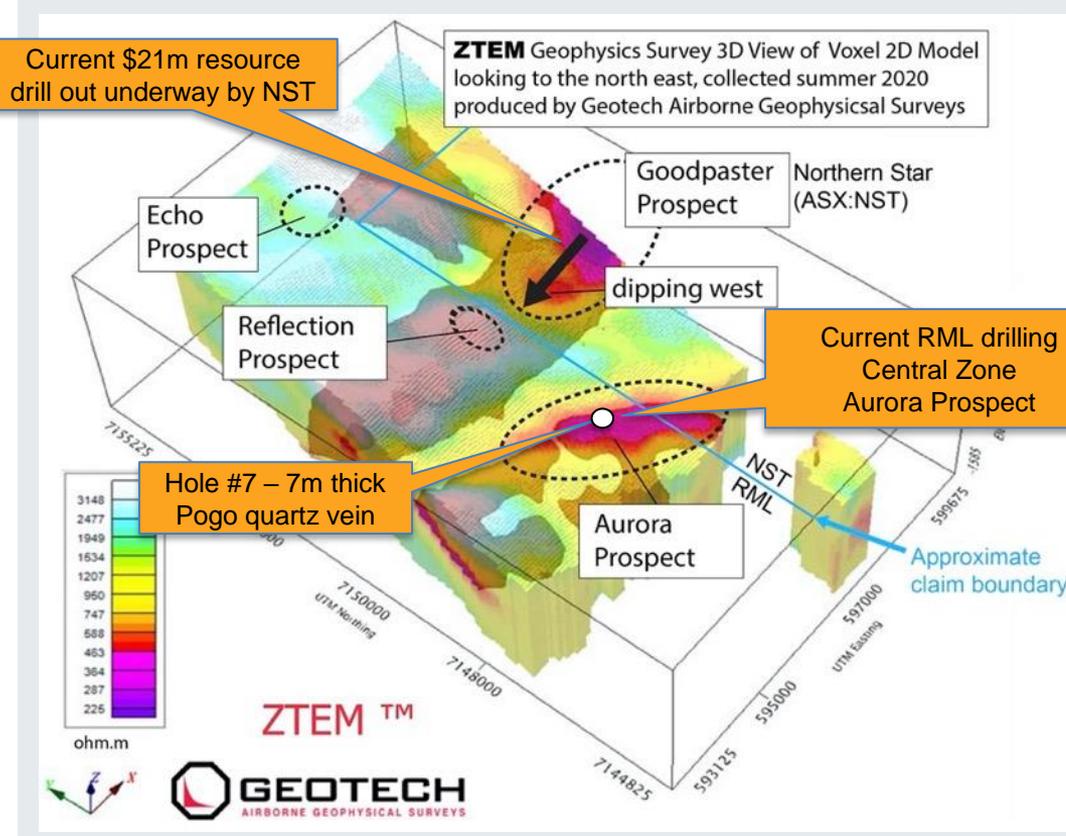
# WEST POGO - AURORA PROSPECT – HOLE #7 (20AU07)



Hole#7 (20AU07) Quartz vein with fuchsite and sulphides - arsenopyrite, pyrite, pyrrhotite (did not carry Au grade)

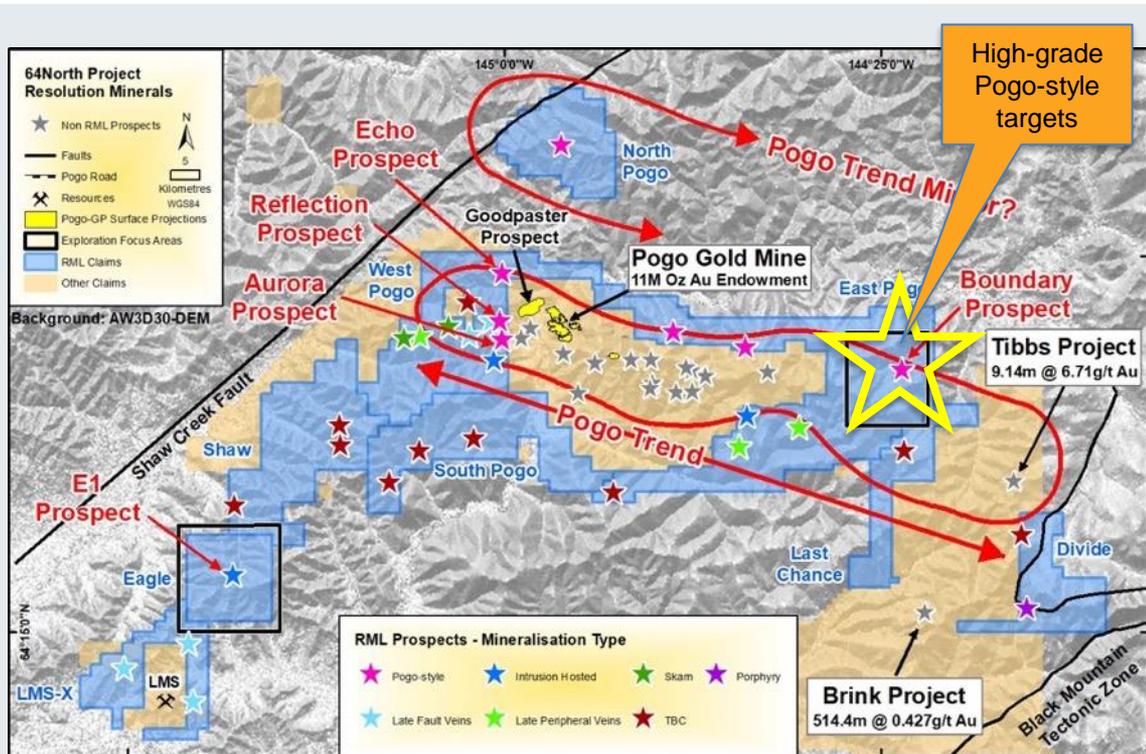
- **Pogo-style 7m thick quartz vein hole #7.**
- Thick, flat lying quartz vein demonstrates the right structural setting to create space and focus fluids (dilation zone) but not significant mineralisation.
- Maximum grade intersected Aurora Prospect 1.59g/t Au HoleID:20AU01, with typical Pogo Au-As-Bi-Te pathfinder elements.

# WEST POGO BLOCK, AURORA PROSPECT



- Aurora Prospect is a look-a-like Geophysical signature to NST Goodpaster Prospect which is undergoing a \$21M resource drill out.
- ZTEM survey flown across West Pogo, and NST's Goodpaster Prospect. ZTEM defined an anomaly coincident with Goodpaster Prospect and defined anomalies at West Pogo.
- 5,000m of Diamond Core drilling (in 2020).
- 7<sup>th</sup> drill hole had significant success intersecting a flat lying, 7m thick, sulphide bearing quartz vein, hosted in paragneiss in the 1500m x 750m Central Zone – Aurora Prospect.
- Drilling ongoing at Central Zone to identify high grade zones.
- All-year road access to Aurora Prospect allows for drilling through winter.

# EAST POGO BLOCK, BOUNDARY PROSPECT



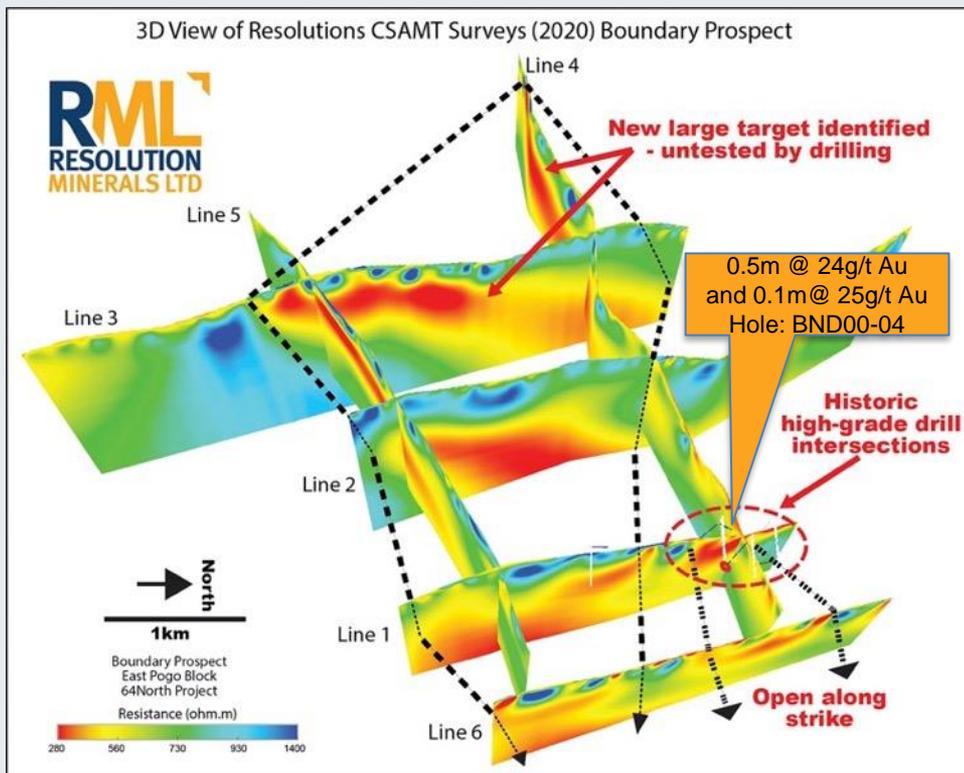
## Boundary Prospect

- On the “Pogo Trend” between Pogo Mine and the Tibbs Project
- Historic high grade intersections up to 35g/t Au
- Historic drilling occurred prior to any geophysics!

## 2020 Field Program

- ZTEM and CSAMT geophysics surveys ID new targets
- Structural analysis
- Rock chips and soils
- **Assays pending**

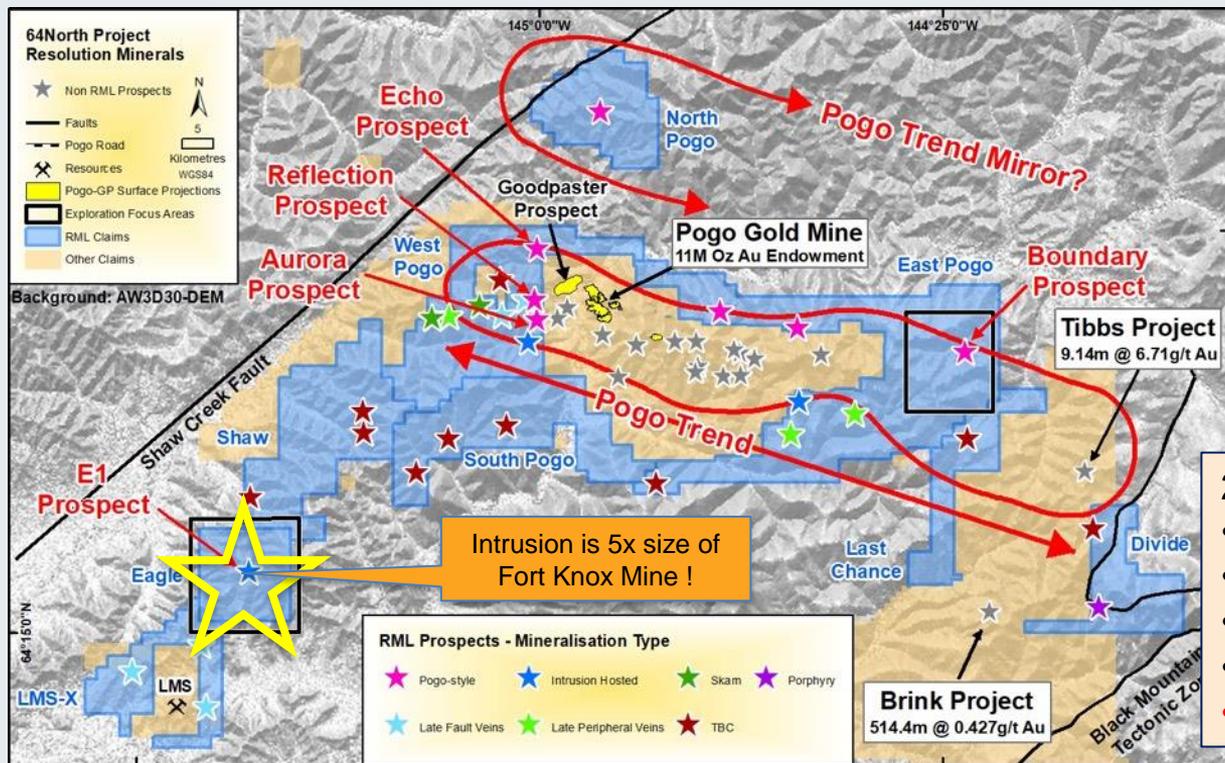
# EAST POGO BLOCK, BOUNDARY PROSPECT – 2020



2020 CSAMT and ZTEM survey results to be extremely positive given;

- ✓ Known mineralisation (35g/t Au) coincides with a resistivity response consistent with Pogo-style.
- ✓ The right host rocks (paragneiss)
- ✓ The right structural setting (thrusts) to create dilation space for pogo-style
- ✓ New targets, large scale potential
- ✓ Assays pending, rock chips and soils

# E1 PROSPECT – LOCATION & SCALE



- Large-scale intrusion hosted gold potential of Fort Knox style & Brink Project style
- Historic drilling up to 14g/t Au (EA04-08)
- 40km<sup>2</sup> geochem footprint

## 2020 Field Program

- Airborne magnetics survey
- Structural 3D analysis
- Trail constructed
- Trenching 4 x 200m
- **Assays pending**

# SUMMARY YEAR 1 - 64NORTH PROJECT

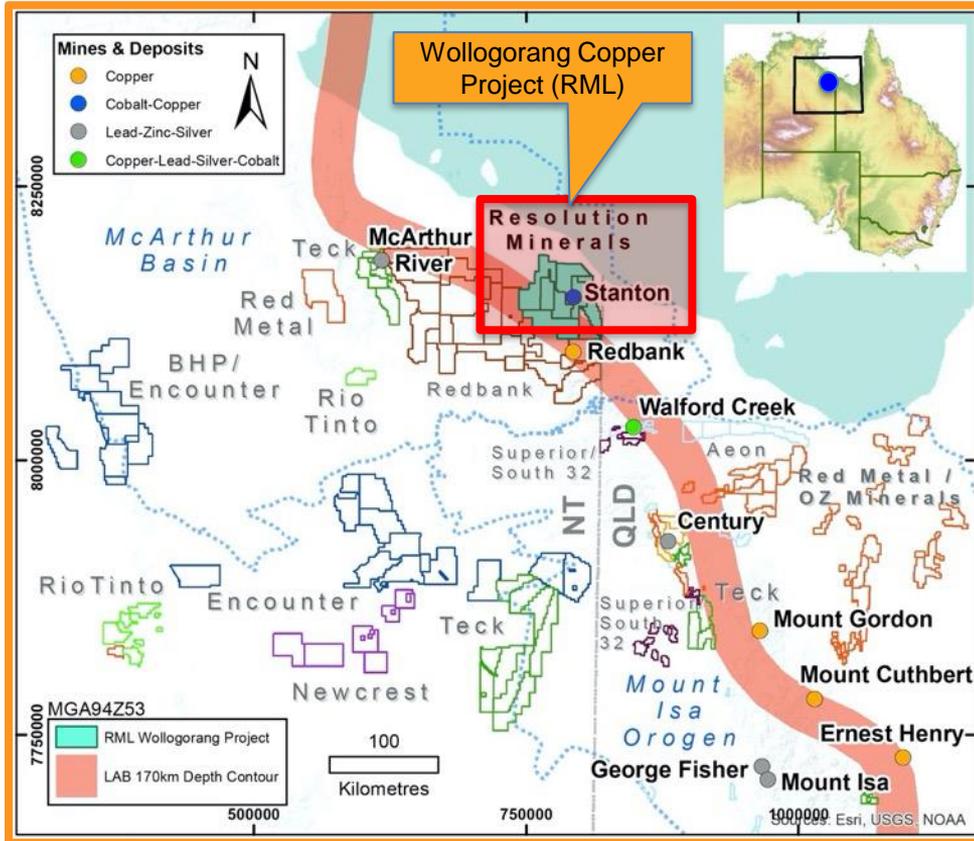
**2019-20 Highlights Include; ~5000m of DDH drilling at West Pogo**

- ✓ **Aurora Prospect:** Intersection of 7m thick Pogo-style quartz vein **\*Drilling ongoing**
- ✓ **Boundary Prospect:** Geophysics anomaly extends historic high grade **\*Geochem assays pending**
- ✓ **E1 Prospect:** Structural analysis & trenching support Fort Knox-style **\*Geochem assays pending**
- ✓ **31 Prospects** identified and ranked with 6 months desktop review of \$15m+ of historic data sets
- ✓ **Spent US\$5M to meet year 1 earn-in obligations and earn \*30% interest** in the 64North Project, including mandatory \$1m on regional blocks (\*final paperwork to be completed shortly)
- ✓ Construct tracks into the **Aurora Prospect** for **all year-around road access drilling**
- ✓ Significant **geophysics data set acquired** to **spring-board drilling programs** on well defined drill targets in 2021 and beyond; using **innovative modern geophysics\*\*** and **machine learning**
- ✓ Built a strong technical team - Australian & Northern American geoscientists

***Well positioned to leverage from year 1 programs and deliver success in 2021 on multiple prospects***



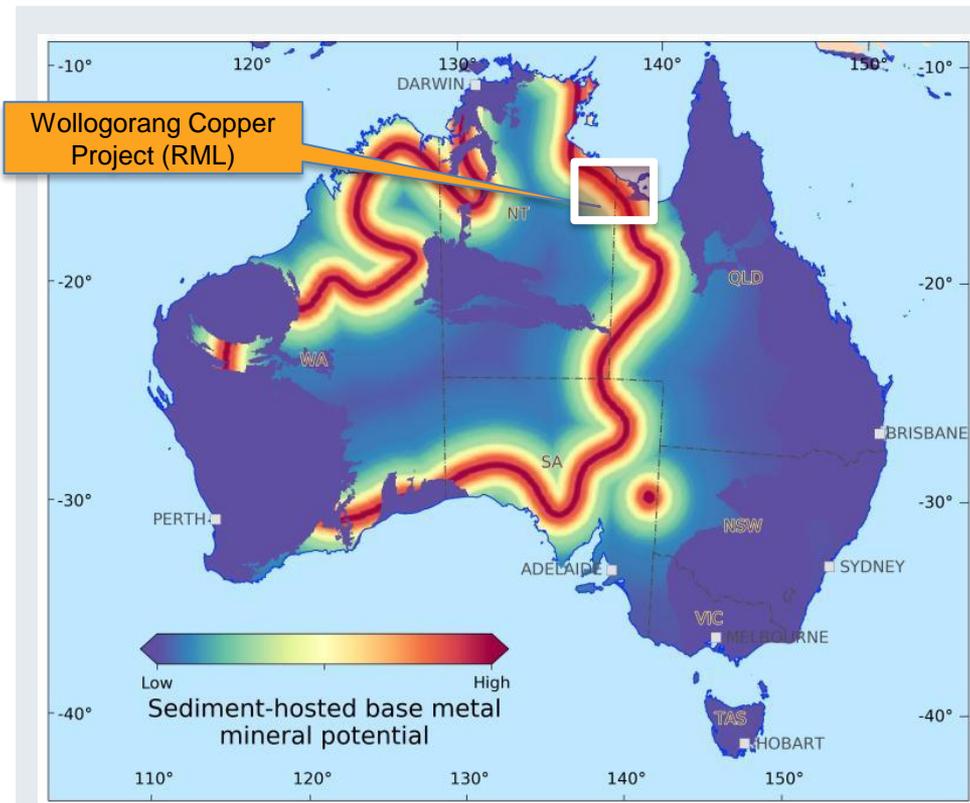
# CORRIDOR OF BASE METAL GIANTS – NT/QLD, AUSTRALIA



## Resolution's Wollogorang Project, Northern Territory - Australia

- Highly prospective for **Copper** in the McArthur Basin, 100% owned
- Stanton Cobalt Deposit
- 3,825 km<sup>2</sup> on the “**Base Metals Corridor**” recently identified by Geoscience Australia on the – “170km LAB line” high prospectivity
- Neighbourhood of world-class base metal deposits
  - McArthur River Mine, Mt Isa, George Fisher, Ernest Henry, Century, lessor Walford Creek and Redbank deposits
- Major and mid-tiers active in the area
  - Rio, BHP, South32, Newcrest, Teck, OzMinerals, Glencore

# CORRIDOR OF BASE METAL GIANTS – NT/QLD, AUSTRALIA

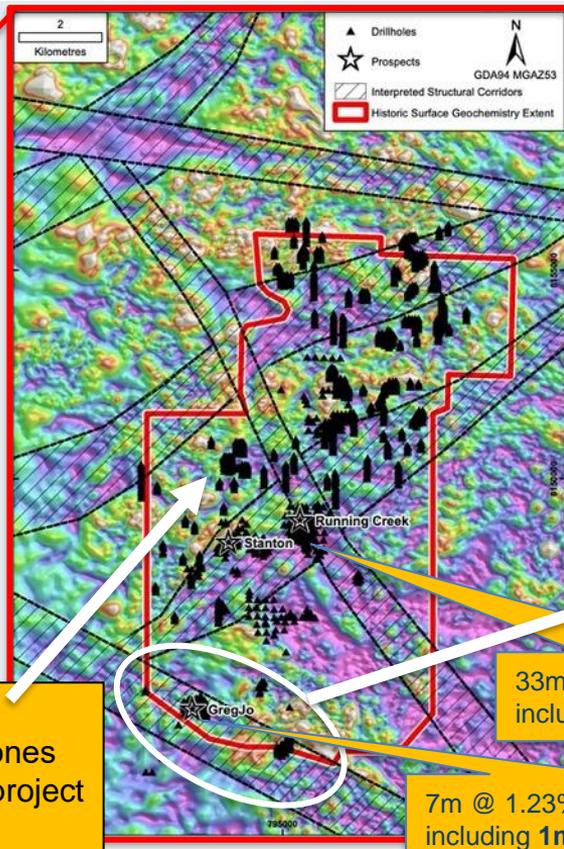
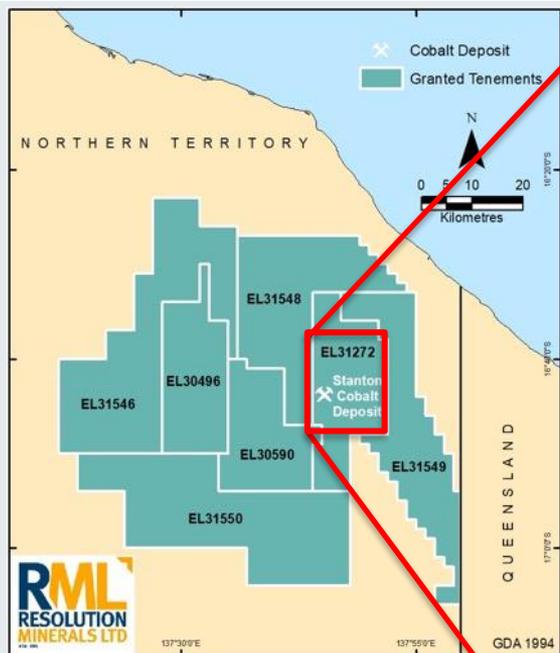


## Resolution's Wologorang Project, Northern Territory - Australia

- Highly prospective for **Copper** in the McArthur Basin, 100% owned
- 3,825 km<sup>2</sup> on the “**Base Metals Corridor**” recently identified by Geoscience Australia on the – “170km LAB line”
- 170km LAB line world-wide hosts >85% of the world-class sedimentary hosted base metal deposits

*LAB = Lithosphere Asthenosphere Boundary*

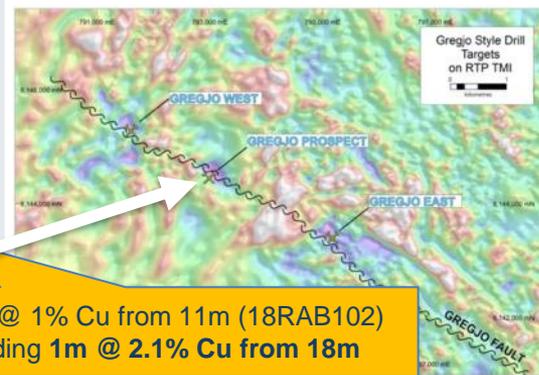
# WOLLOGORANG PROJECT – COPPER POTENTIAL



Copper at surface, Running Creek Prospect



Along strike potential >10km Gregjo fault

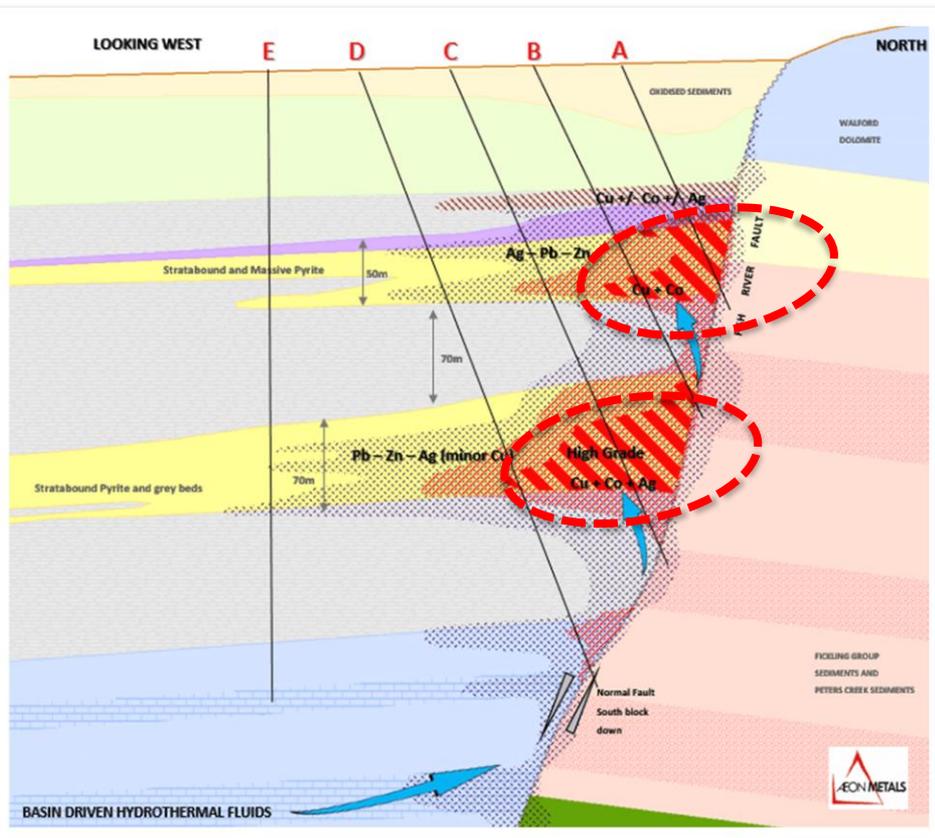


- 2018 Air-core and RAB drilling program to 30m depth targeted small “de-mag” zones
- Limited surface geo-chem coverage on project
- 2021 Focus will be on larger structures

33m @ 1% Cu from 11m (18RAB102) including 1m @ 2.1% Cu from 18m

7m @ 1.23% Cu from 1m (18RAB013) including 1m @ 4.24% Cu

# MINERALISATION STYLE – Analogy Walford Creek Deposit



## Walford Creek (ASX:AML)

- Mineralisation controlled by the Fish River Fault
- Cu-Co adjacent to fault transitioning to Ag-Pb-Zn
- Occurs in sub-horizontal pyritic sediments adjacent to fault
- Basin driven hydrothermal fluids
- Large low grade Cu halo with discrete zone of high grade
- 20 km strike of fault potential with 3.6 km resource strike

## Gregjo (ASX:RML)

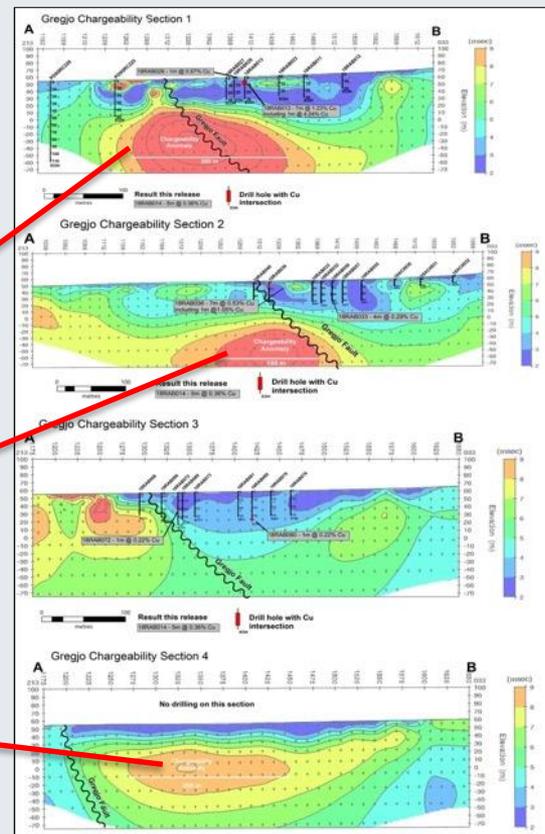
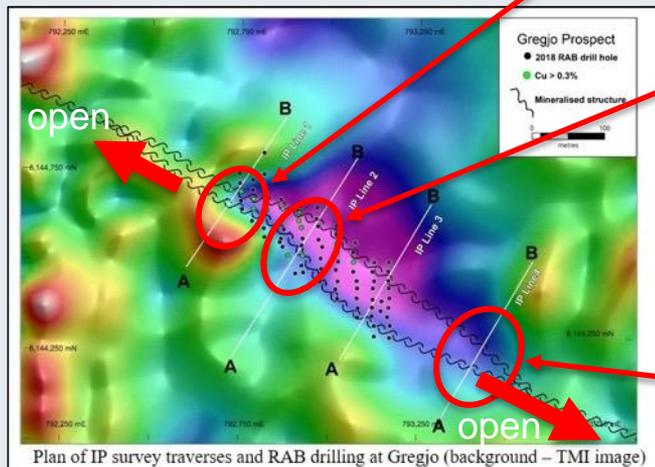
- Mineralisation controlled by the Gregjo Fault
- Transitional mineralisation style from Cu-Co-Zn
- Occurs in sub-horizontal pyritic sediments adjacent to fault
- Basin driven hydrothermal fluids
- Low grade Cu halo with discrete zone of high grade
- Large scale potential across >10km fault strike

Walford Creek Mineralisation style – Aeon Metals (ASX: AML)  
 Source : <http://www.aeonmetals.com.au/walford-creek/>

# GREGJO PROSPECT – IP SURVEY

## INDUCED POLARISATION (IP) SURVEY 2018:

- IP identifies disseminated sulphides such as pyrite and chalcopyrite which are present at depth at GregJo fault allow the targeting of the most mineralised parts of the system beneath the weathering zone
- **IP survey shows significant chargeable feature(s) at depth**
- Priority deeper drill targets to test chargeable feature from IP survey
- Road and station track access during dry season May to November
- Not followed up in 2019 due to focus elsewhere
- >10km strike extent of Gregjo fault requires follow up
- Open along strike
- Permitted and drill ready
- Sedimentary hosted basin de-watering mineralisation model, analogous to Walford Creek Deposit (AON Metals)



# INVESTMENT HIGHLIGHTS – ASX : RML

## Resolution Minerals

- Focussing on **exploration** for **Gold and Copper** of **significant scale potential in top tier** jurisdictions.
- **Flagship Gold Project, the 64North Project**, Tintina Gold Province Alaska, home to Giant Gold Deposits.
  - **Currently drilling** next to Northern Star's Pogo Gold Mine on the Aurora Prospect – following up recent 7m thick intersection of Pogo-style quartz vein – *on the verge of major breakthrough?*
  - Compelling East Pogo, Boundary Prospect drill targets for testing 2021 on the Pogo trend
  - **Strong pipeline of Drill prospects - Aurora, Boundary and E1**
  - **1<sup>st</sup> year earn-in spend of US\$5m completed**
  - 2020 significant spend on track construction, 5000m of diamond drilling and acquisition of geophysics to **spring-board drilling programs for 2021** - with well defined drill targets !
- **Second Major Project – Wologorang Project, NT Australia**
  - **Prospective for copper** as defined in RML's 2018 cobalt exploration
  - **Drill ready IP targets, large scale sedimentary hosted mineralisation system targeted**
  - Located on Geoscience Australia's newly identified 170km LAB line of base metal prospectivity

**Active drilling program now! and well set for a successful 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

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 below. This report includes results that have previously been released under JORC 2012 by the Company "Binding agreement earning 80% of Gold Project in Alaska" on 17 October 2019, "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 and "Quarterly Activities and cashflow Report 30 September 2020" on 30 October 2020. his report includes results that have previously recently been released under JORC 2012 by the Company as "Stanton Resource Upgrade Increases Contained Cobalt" and the Company is not aware of any new information or data that materially affects the information included in this announcement and all material assumptions and technical parameters underpinning the Mineral Resource continue to apply and have not materially changed. This report also contains exploration results announced on 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".

## 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.

**Ownership structure 64North Project:** Vendor Millrock Resources TSXV:MRO, 4 year earn-in US\$5m/yr and JV agreement to earn 60% interest, with pathway to earn up to 80% on a "best block". Mandatory exploration spend \$1M / year outside West Pogo Block. A one-off grace period of 6 months allowed through the term of the earn-in (ASX:N27 17/10/19).

**Ownership structure of Wologorang Project:** 100% owned unencumbered.

**Tintina Gold Province Map** – source of data: 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.ithmines.com](http://www.ithmines.com)), Eagle & Dublin Gulch (Victoria Gold Corp, [www.vgxc.com](http://www.vgxc.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)), Kensington (Coeur Mining, [www.coeur.com](http://www.coeur.com)).



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