

TRENCHING PROGRAM COMMENCING - 64NORTH PROJECT, ALASKA

- Trenching program commencing at the **Tourmaline Ridge Prospect**
 - Rock chips up to 118g/t Au indicate high-grade potential with year-around access
 - Historic un-assayed drill core from the **Sunrise Prospect** located, to be assayed to test depth potential to below shallow gold zone identified by RML drilling
- Deeper drill targets identified at East Pogo, with a 3-hole (1600m) core drilling program planned for next year to follow up the encouraging results
- Ground assessment activities underway at the Kramer Gold Prospect and Elaine Cu-Mo-Au Porphyry Prospect (Divide Block) aiming to identify drill targets
- Current field programs to be completed by end of September, with results to follow as available
- **Webinar next Tuesday 7 September 12 Noon (SYD/MEL time) [Registration Link](#)**

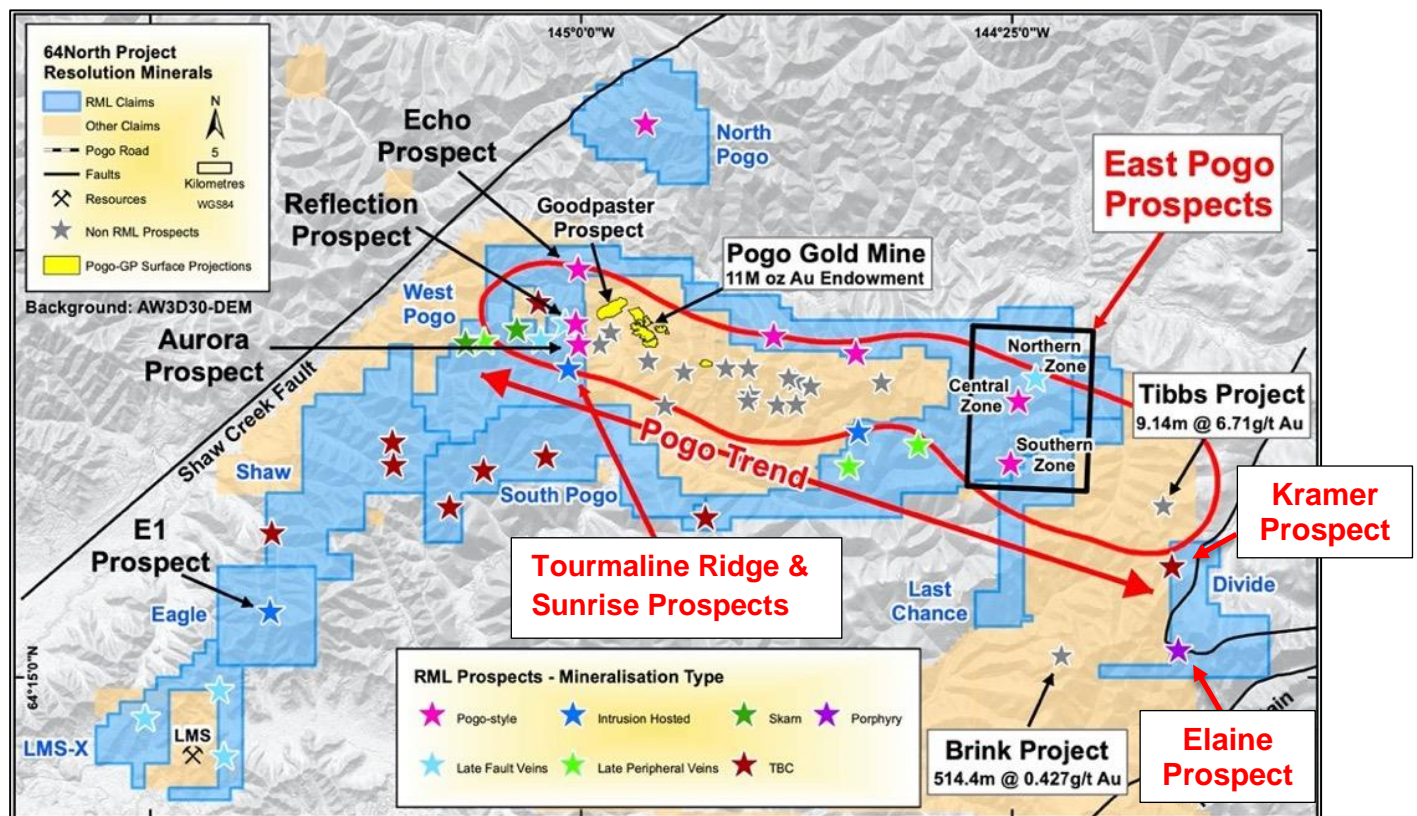


Figure 1 Resolution's 64North Project Claims in blue surrounding Northern Star's Pogo Gold Mine in orange/tan.

CAPITAL STRUCTURE

Ordinary Shares
Issued 448 M
Options and rights
Listed options 6 M @ 10c
Listed options 74 M @ 12c
Unlisted options 6 M @ 25c
Unlisted options 13 M @ 8c
Unlisted options 59 M @ 4c
Unlisted rights 11 M

Performance Shares
Class A 9.6 M
Class B 3.6 M

Last Capital Raise
February 2021 – Placement
\$3.2M @ 2.8c

BOARD

Craig Farrow- Chair
Duncan Chessell - MD
Andrew Shearer - NED
Jarek Kopias - Co Sec

Level 4, 29 King William Street
Adelaide SA 5000

Managing Director Comments – Duncan Chessell

The Tourmaline Ridge Prospect, with rock chips over 100g/t gold, is the immediate focus for an extensive trenching program located 2km west of our Sunrise Prospect. The presence and grade of gold in rock chips over a large area highlights the potential for significant mineralisation close to the surface. Trenching is a highly effective low-cost method to define the scale and structures of the gold mineralisation. A road is being bulldozed now to enable access from the existing all-weather Pogo Gold Mine Road and trenching will commence shortly.

In addition, we have designed a follow up three-hole 1600m deeper drilling program in the immediate vicinity of East Pogo RC hole 21EP008 to test for high grade Pogo-Style gold mineralisation. Recent RC drill results and geophysics surveys indicate proximity to a gold bearing system from pathfinder elements below our previous drill holes. This next round of drilling will access those depths. Due to rig availability, location and season drilling will be undertaken next summer. This prospect is a high value target.

The 64North Project is a highly prospective district surrounding the world-class high-grade operating Pogo Gold Mine positioned in the well-endowed Tintina Gold Province, which is home to over 100M oz of gold deposits across the Yukon and central Alaska.

Alaska also hosts some of the worlds giant Cu-Au porphyry deposits, such as Pebble which is the world's single largest copper deposit and worlds 3rd largest gold deposit. The exploration team is undertaking work to assess the copper porphyry potential of the Divide Prospect at the Elaine Prospect.

Resolution Minerals Ltd (RML or Company) is pleased to announce a mid-season update on field work at the 64North Project in Alaska and presents planned exploration activities.

The 64North Project contains over 20 gold prospects and 1 porphyry prospect, with combinations of favourable host rocks, structural regime, proximity to the right age source rocks, surface geochemistry and geophysical signatures. The exploration team have spent 22 months systematically investigating these targets and establishing extensive new data sets in order to generate a robust target pipeline for upcoming field testing. Resolution have spent much of the 2021 field season capitalising on the geochemical, geophysical and remotely sensed dataset collected during the 2020 field season.

During July and August 2021, Resolution completed “boots on ground” reconnaissance and surface geochemical sampling. The purpose was to firstly, to assess the new exploration space identified in the immediate vicinity of the earlier in the year drilled Sunrise Prospect, drilled earlier this year, at the West Pogo block for potential further examples of Fort Knox style mineralisation.

Secondly, to assess the highest priority regional targets with a primary focus on the North Pogo, South Pogo, Last Chance and East Pogo blocks. We are pleased to have confirmed the targets for follow up exploration now and next field season. The remaining less prospective claims (tenements) will be relinquished, and Resolution will not be liable for any future holding costs.

Tourmaline Ridge Trenching Program – next to the Sunrise Prospect

Highly anomalous surface geochemistry up to **118g/t Au in rock chips extends across a 1km x 750m zone**. Resolution interprets from geophysical signatures that the intrusion is at least **2km x 1km**. This is a **priority target** for Resolution to test using the low-cost trenching program. It was only during the summer months that on ground assessment could be made of location for trenching using historic rock chip data. With an access road currently undergoing construction, this prospect will have **year-around access for further activities**.

The 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.

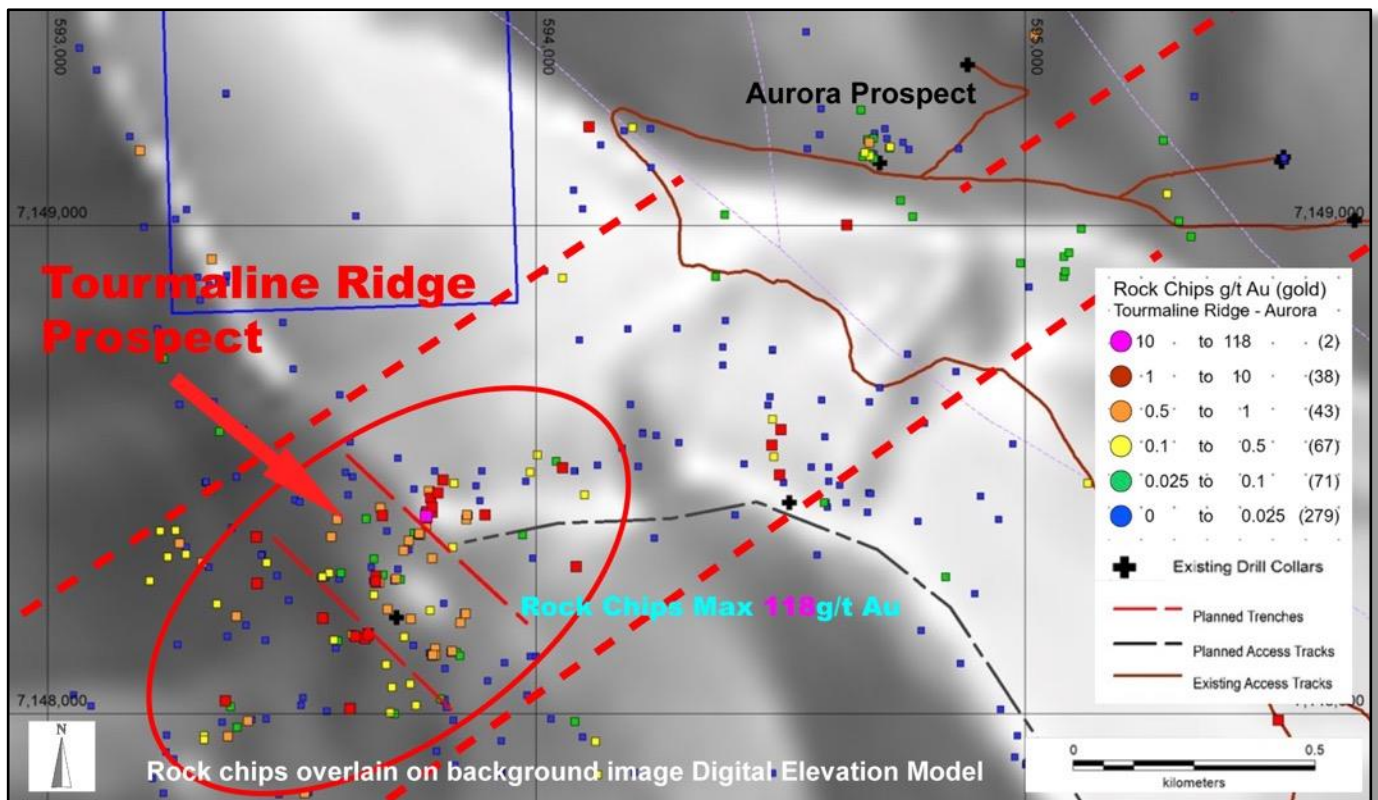


Figure 2 Highly anomalous surface geochemistry up to 118g/t Au extending over a 1km x 750m area with a prospective NE-SW trending structurally controlled zone along strike from the Goodpaster Prospect to the north-east (RML ASX Announcement 26/11/2019).

The distribution of gold bearing rock chips indicates that Tourmaline Ridge, whilst intrusion hosted, contains significantly higher-grade structurally controlled zones, making it an intrusion hosted / orogenic hybrid. With these mineralisation systems occurring from surface, the most effective exploration technique to define mineralisation is to undertake trenching.

Trenching will outline the exact location of high-grade mineralised structures (obscured by talus), which can then be targeted directly with IP geophysics and further trenching. Based on results, a follow-up maiden drilling program will then be considered.

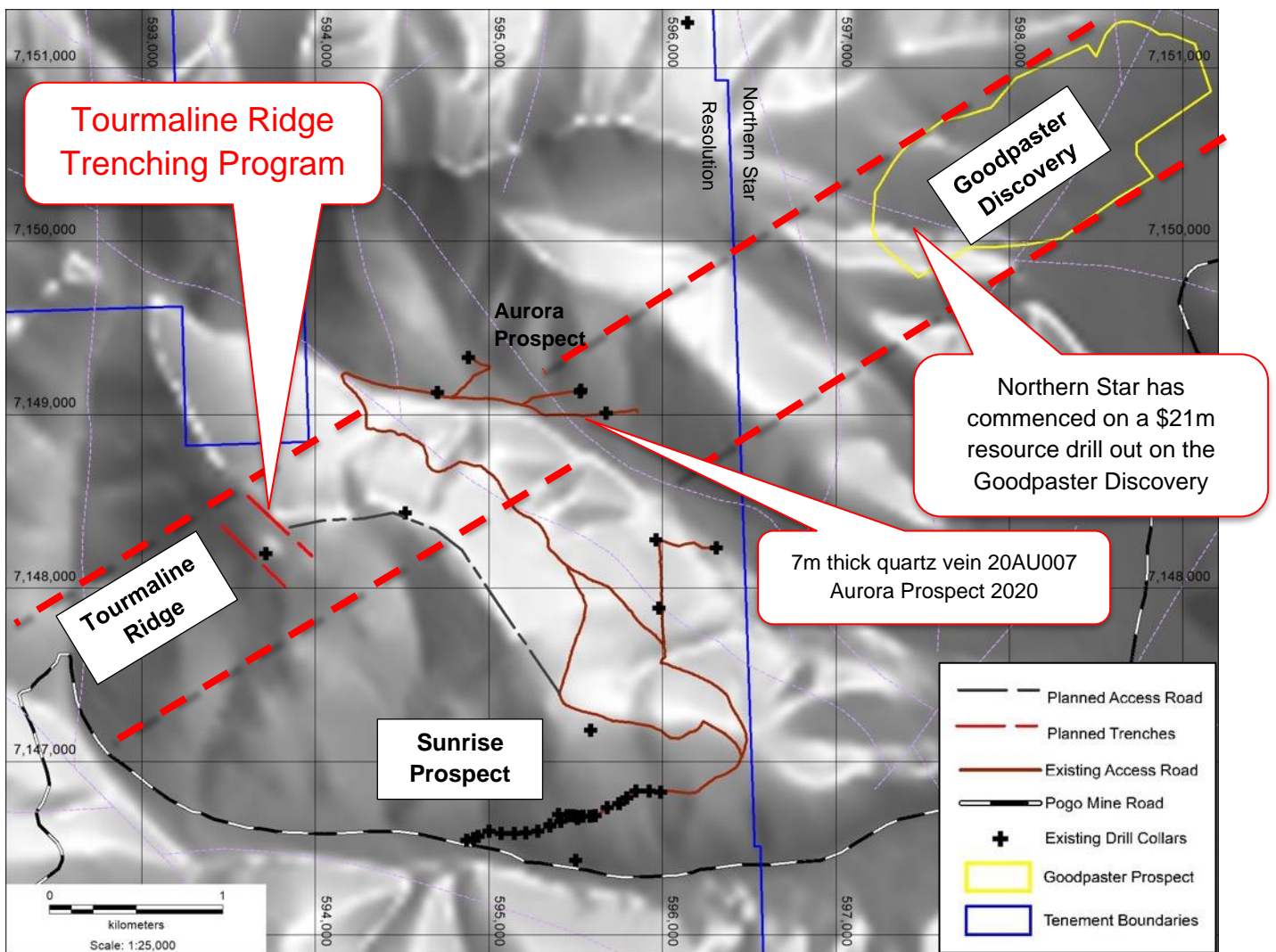


Figure 3 Tourmaline ridge trench design within NE-SW trending structural zone along strike from the Goodpaster Prospect. Note the NW-SE offset (Aurora Creek Fault).

Sunrise Prospect Follow Up

Surface sampling and RAB drilling at the Sunrise Prospect has demonstrated the potential for Fort Knox style gold mineralisation on the 64North Project. RAB drilling identified gold mineralisation across a 280m wide zone to depths of 75m (max depth of a RAB rig) from surface.

Results received from drillhole 21SU009 (74.7m @ 0.26 g/t Au from surface); and 21SU007 (36.6m @ 0.33g/t Au from surface) are in line with the 0.3g/t gold grade at the operating 5.6Moz Fort Knox mine. See Figure 4 Cross section of Sunrise Prospect mineralised corridor (RML ASX Announcement 17/5/2021).

RML has also recently located a 188m historic diamond drill hole (AGGP-1) which was only assayed to 64m (see Figure 4). We now have the opportunity to assay the remaining 124m and further assess the depth potential of the Sunrise Prospect without incurring additional drilling costs. Assaying is currently underway and **we expect to have results in October.**

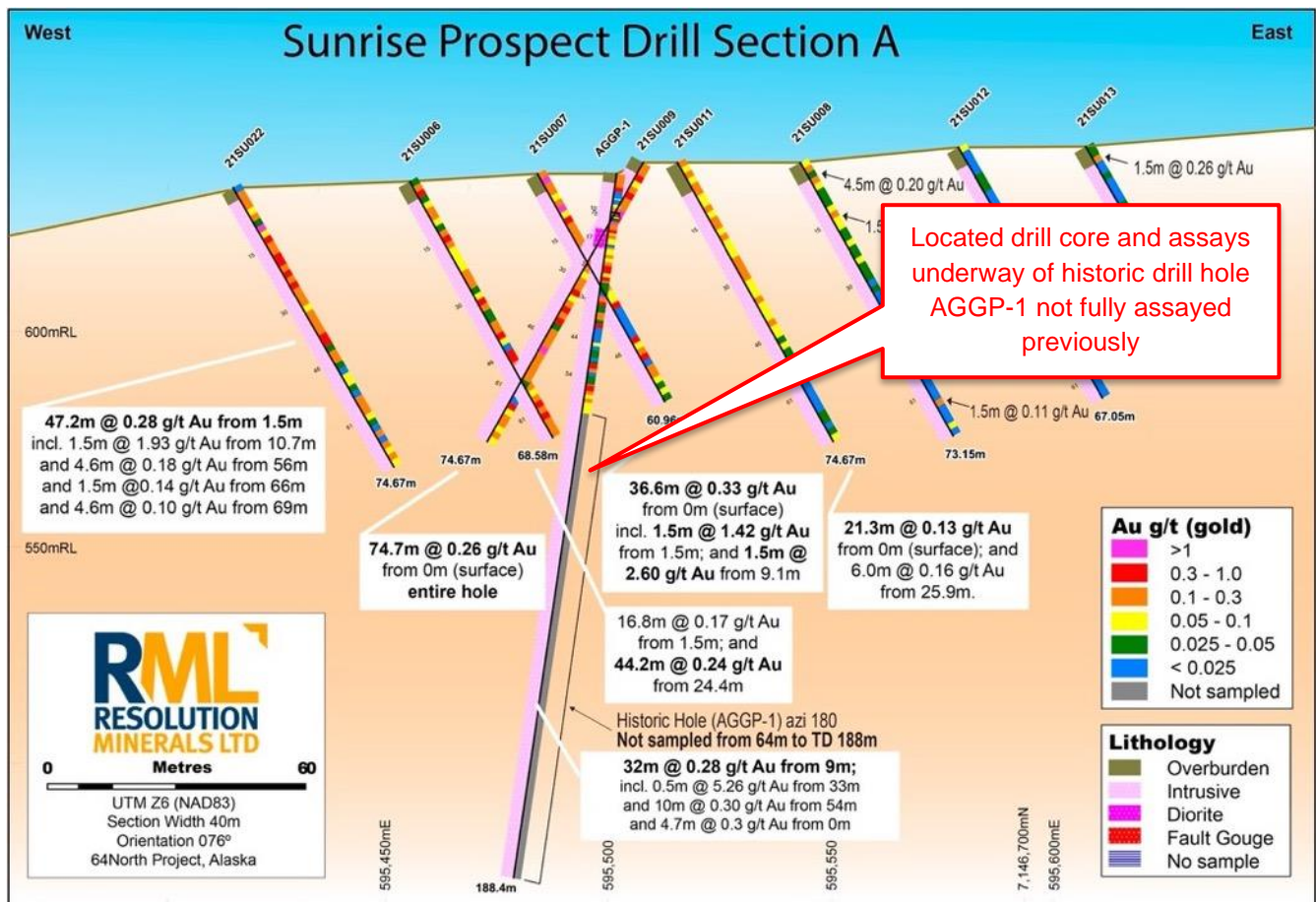


Figure 4 Cross Section Sunrise Prospect 280m wide mineralised corridor (see RML ASX Announcement 17-May-21)

Elaine Prospect Cu-Mo-Au Porphyry potential – Divide Block

The Elaine Prospect Porphyry is located within a continental arc, defined as being prospective for porphyry mineralisation by the United States Geological Survey (USGS). The Divide Block is also considered prospective for gold, at the Kramer Prospect, which will be assessed in conjunction with the Porphyry Cu-Mo-Au exploration program.

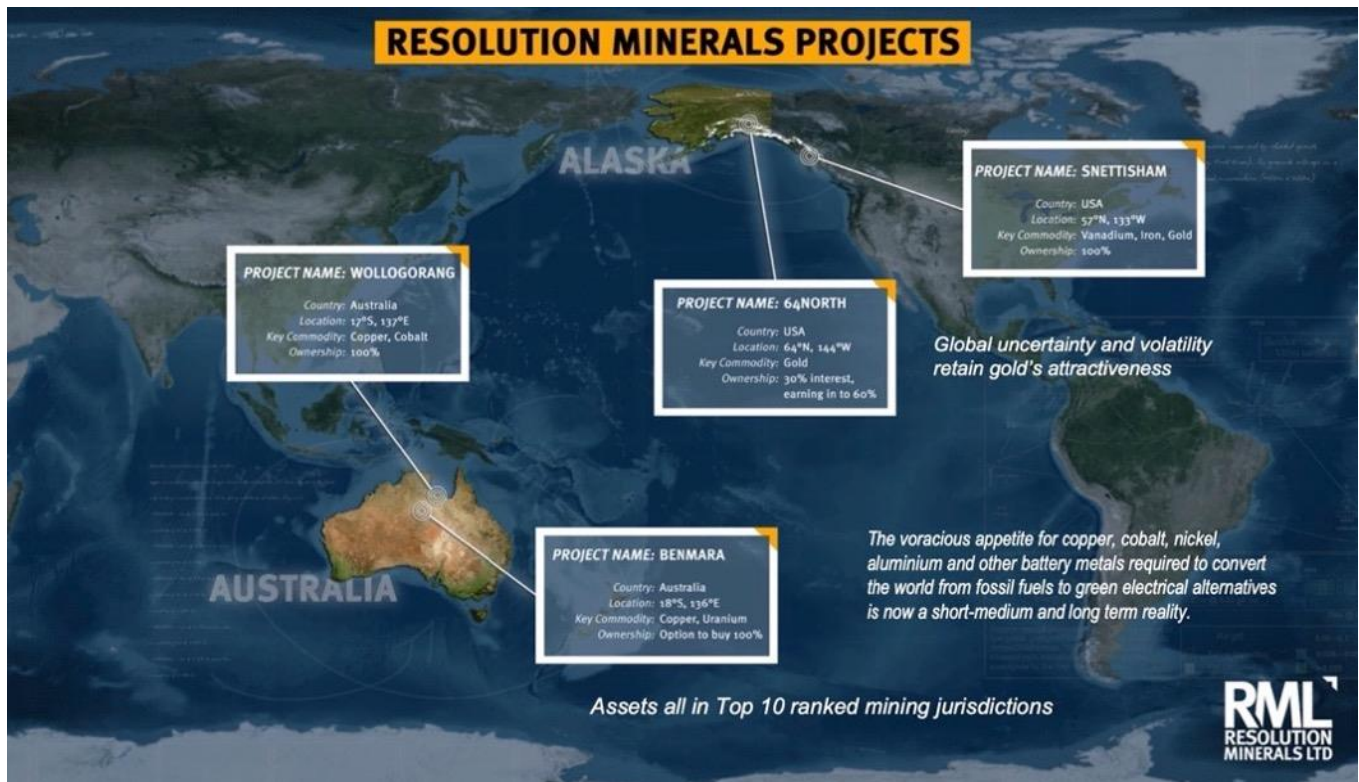
A geochemical sampling program is underway, aiming to prioritise near term drill targets.

A separate report of the Elaine Prospect will be presented as more information becomes available.



Figure 5 Alaska-Yukon Endowment Map - *Deposit sizes stated as metal Endowment (Resources & Reserves + Historic Production)

*Alaska-Yukon Endowment Map – source of data: Pebble (Northern Dynasty, www.northerndynastyminerals.com), Pogo (Northern Star Resources, www.nsr ltd.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), Kensington (Coeur Mining, www.coeur.com), Casino (Western Copper & Gold; www.westerncopperandgold.com) and Porphyry Deposits of the Northwestern Cordillera of North America: A 25-year update, Sharman et al, 2020 – Canadian Institute of Mining, Metallurgy and Petroleum.



About the 64North Project, Alaska

The 64North Project is adjacent to Northern Star's (ASX:NST) Pogo Gold Mine, 120km from Fairbanks, Alaska in the Tintina Gold Province. NST's operating world class high grade Pogo Gold Mine has an endowment of 11Moz of gold and started production in 2006, producing approximately 4M oz Au @ 300,000oz/year at over 13g/t Au from 2006 to 2018. RML holds a 30% interest in the project and is earning up to a 60% interest in stages (30%, 42%, 51% and 60%). RML has a conditional pathway to 80% interest in a single "Best Block" at RML's election. RML can form a JV at any stage and holds a first right over the Vendors interest. The Project is owned by Millrock Resources (Vendor) (TSXV:MRO) see RML ASX Announcement 9 February 2021 for full details.

Resolution Minerals Ltd is a precious and battery metals mineral explorer with its gold focussed 64North Project in Alaska; and second major Wologorang Cu-Co Projects with partner OZ Minerals in Australia and complementary Benmara Cu-Co-U Project in Australia which Resolution retains a 100% upside interest.

Resolution confirms that the Company is not aware of any new information or data that materially affects the exploration results cross referenced in this announcement.

For further information please contact Duncan Chessell the authorising officer:

Duncan Chessell
Managing Director
Resolution Minerals Ltd
+61 414 804 055
duncan@resolutionminerals.com

Or Julian Harvey
Investor Communications
Resolution Minerals Ltd
+61 404 897 584
j.harvey@resolutionminerals.com