

ASX: NVA | OTCQB: NVAAF | FSE: QM3

www.novaminerals.com.au



Investor Presentation

RPM Maiden Resource

Korbel Main
Resource Update to
Follow

October 2021



For personal use only

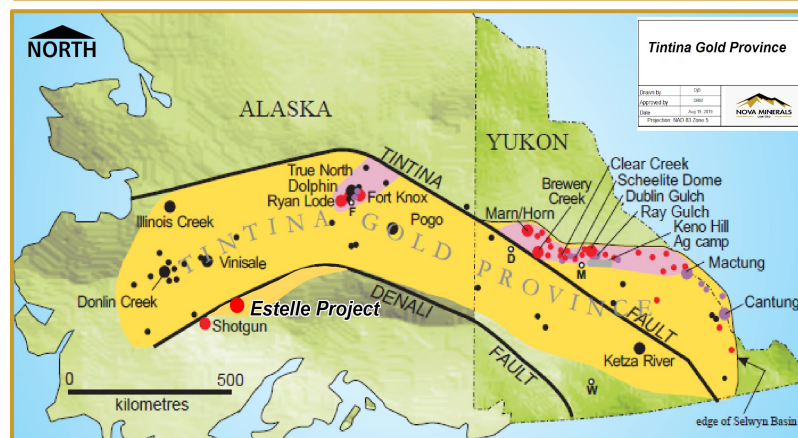
Introduction to Nova Minerals: Global Resource of 6.2Moz Gold and Growing



- One of the fastest growing Gold resources globally - Unlocking a district
 - Independent Maiden Inferred JORC Resource **23.1 Mt @ 2.0g/t Au** delineates **1.5 million ounces (Moz) of gold at RPM North**
 - **6.2Moz Au Inferred Global Resource¹** at Estelle
 - Massive upside remains within the Korbel Valley
 - RPM discovery of **400m @ 3.5g/t Includes 132m @ 10.1g/t²**
 - Korbel resource upgrade and RPM Maiden Resource in Q4 2021
- Leverage in the emerging gold bull market
- Majority holder of Snow Lake Resources³ (Thompson Brothers Lithium Project)
- 9.9% shareholder in innovative RotorX eVTOL and helicopter manufacturer
- 11.65% holder of Torian Resources (ASX:TNR)

Our Objective

Nova Minerals' Gold deposit and endowment is one of the world's largest and fastest developing. The Thompson Brothers Lithium project is also on track to expand and move into development phase. Our projects are located in Canada and the United States. Our objective is to grow resource and reserve ownership per share. Our risk-reducing strategy: expand through exploration; move resources to reserves through engineering; secure environmental approvals and progress to mine construction and operation.

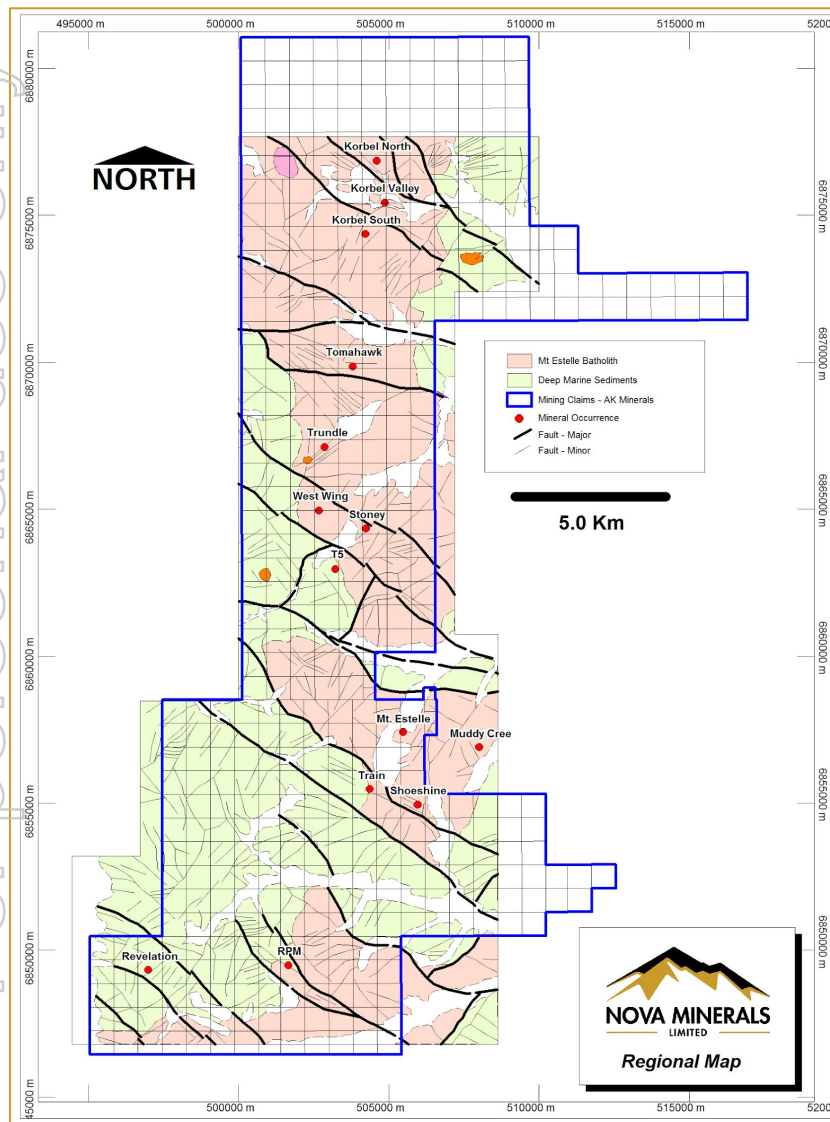


Tintina Gold Belt:

>200 Mozs Au documented endowment
 Untold Mozs Au placer production
 Intrusion Related Au (IRGS) elephant country

1. See NVA ASX announcement on 6 April 2021 and 27 October 2021 for further details
2. See NVA ASX announcement on 11 October 2021
3. See NVA ASX announcement on 2 August 2021 for further details
4. More investments on Slides 27-33

Estelle- A Major Gold District



- Global Inferred Resource now at 6.2Moz¹
- 324km² claim block across 507 state claims, no Native Title
- RPM Maiden Resource 23.1 Mt @ 2.0g/t Au for 1.5 million ounces (Moz) of gold
- High potential to extend existing Mineral Resource of 4.7Moz (Korbelt Main only - a start)
- Four known intrusions outside the Korbelt area, plus more than 15 priority targets
- Reconnaissance field works have identified further high priority drill targets - Stoney, Train and Shoeshine

Global Inferred Mineral Resources

Resource	Cut-off (Au g/t)	Tonnes (Millions)	Grade (g/t Au)	Ounces (Millions)
Korbelt Main	0.15	518	0.3	4.7
RPM North	0.3	23	2	1.5
Global Inferred Resource		541	0.4	6.2

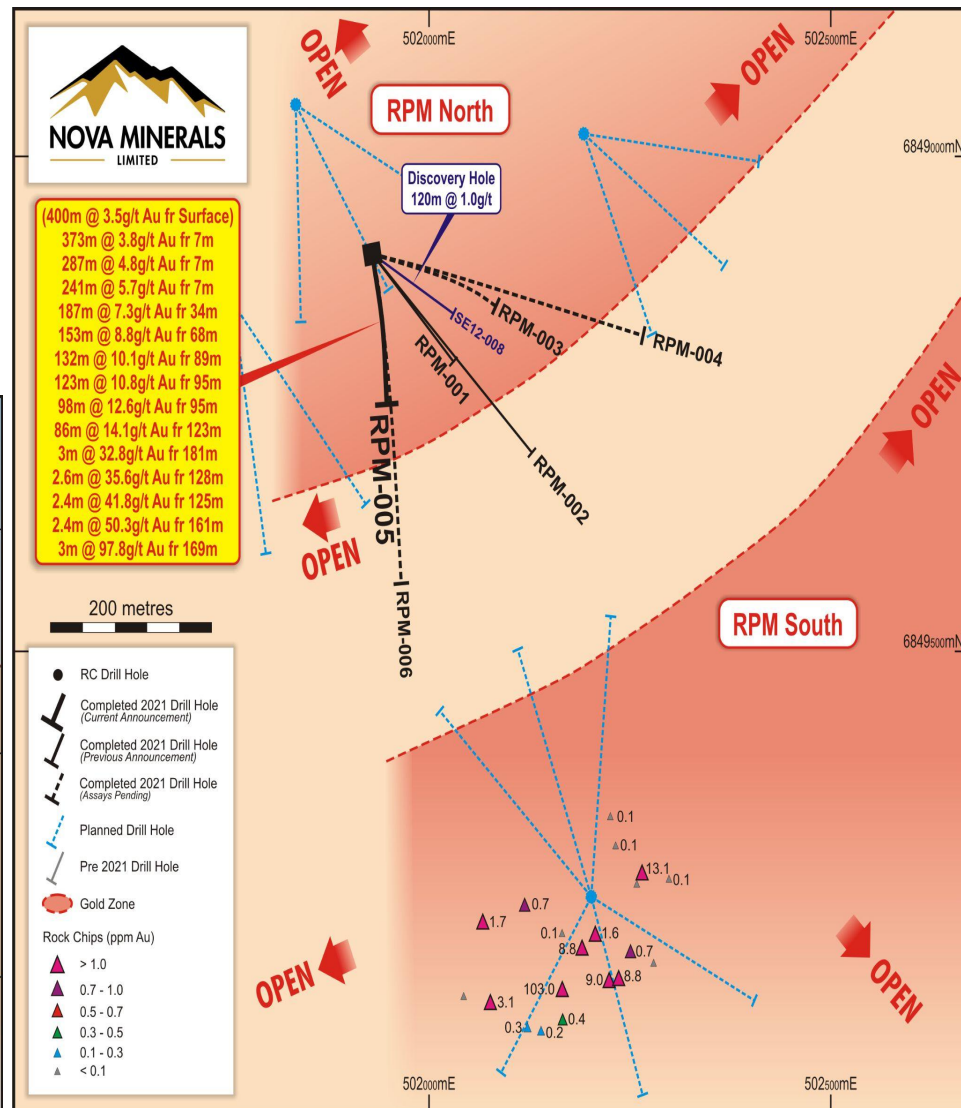
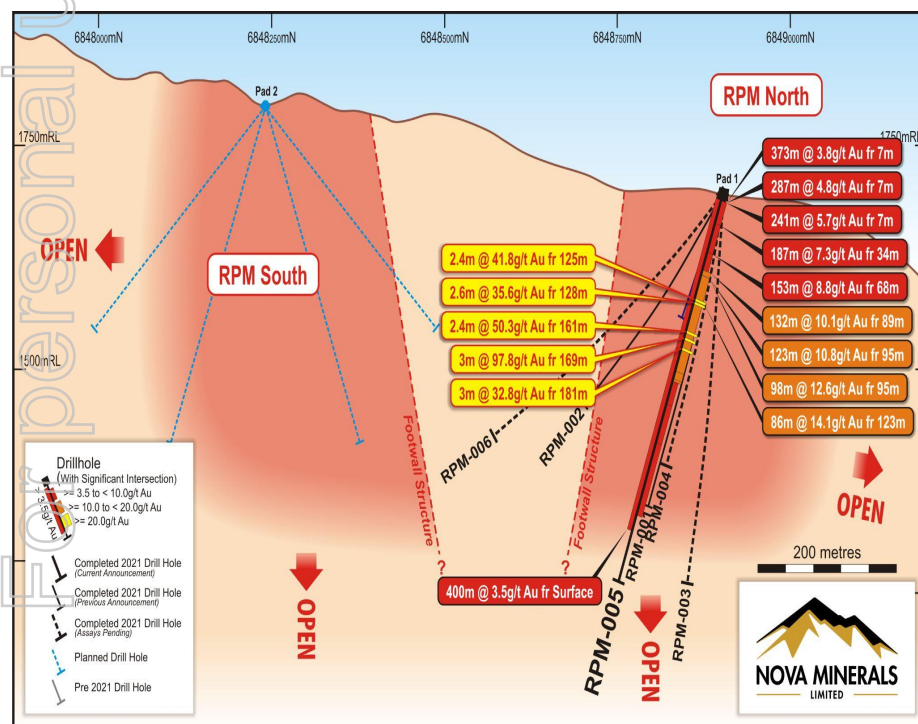
RPM North & South Prospects - Bonanza Grades

(ASX: 11 October 2021)



Bonanza Grades at RPM North Including 132m @ 10.1 g/t Au

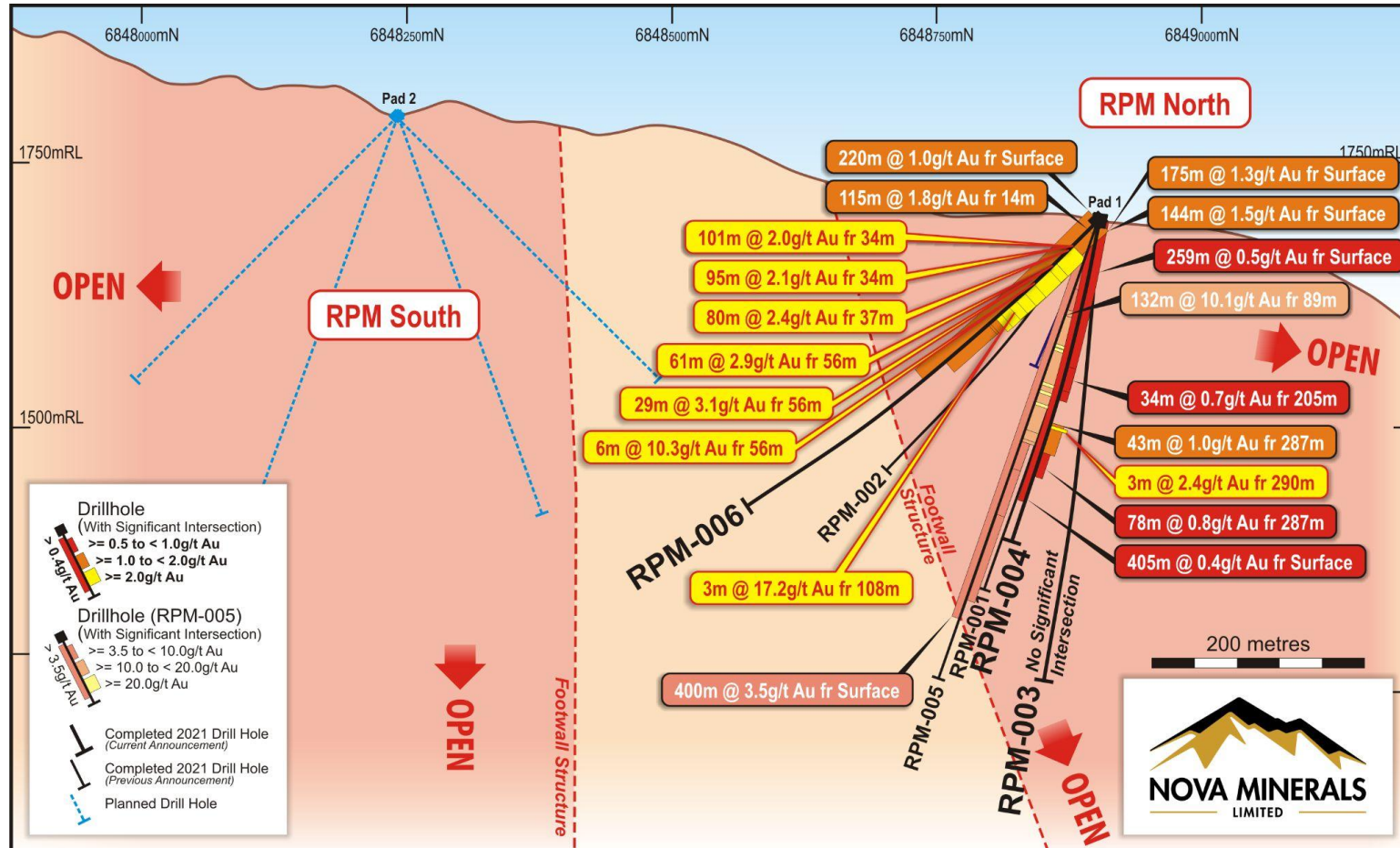
- Broad zone of high-grade gold intersected in drilling at the RPM North Prospect of **400m @ 3.5g/t Au from surface**



Continuity of RPM North Prospect

(ASX: 18 October 2021)

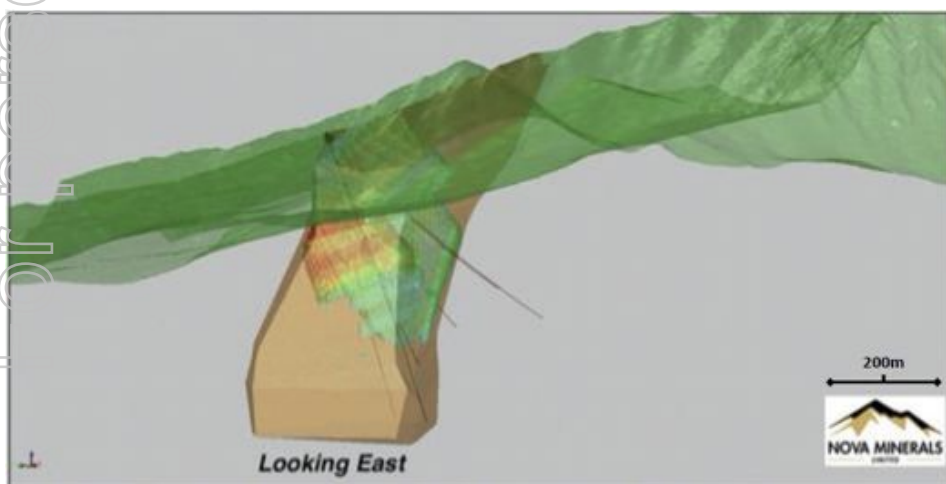
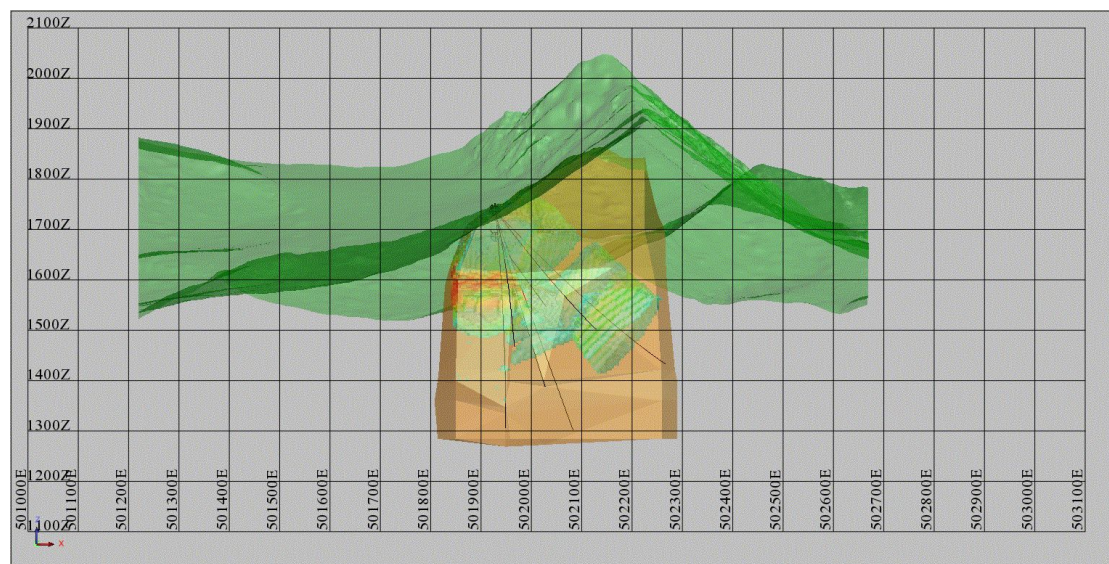
- Further high-grade Intercepts Confirms continuity at RPM
- RPM South gold zone looks to be the much larger from surface expression with potential to converge at depth with RPM North



- Large Bonanza Grade IRGS system with a Maiden Resource of 1.5Moz
- RPM South drill ready and remains wide open
- Prospect Higher than expected resource growth now anticipated in line with Nova's strategy of unlocking the Estelle Gold District

RPM Maiden Resource 23.1 Mt @ 2.0g/t Au for 1.5 million ounces (Moz) Au (ASX: 27 October 2021)

Independent Maiden Inferred JORC Resource **23.1 Mt @ 2.0g/t Au** delineates **1.5 million ounces (Moz)** of gold at RPM North, on top of the **4.7Moz Inferred Resource** at Korb Main, which represent only two of fifteen known occurrences at Nova Mineral's Estelle Gold Project.



Grade shell, surface and drill holes at the RPM gold deposit

Just the beginning for RPM- the resource remains open along strike and towards RPM South

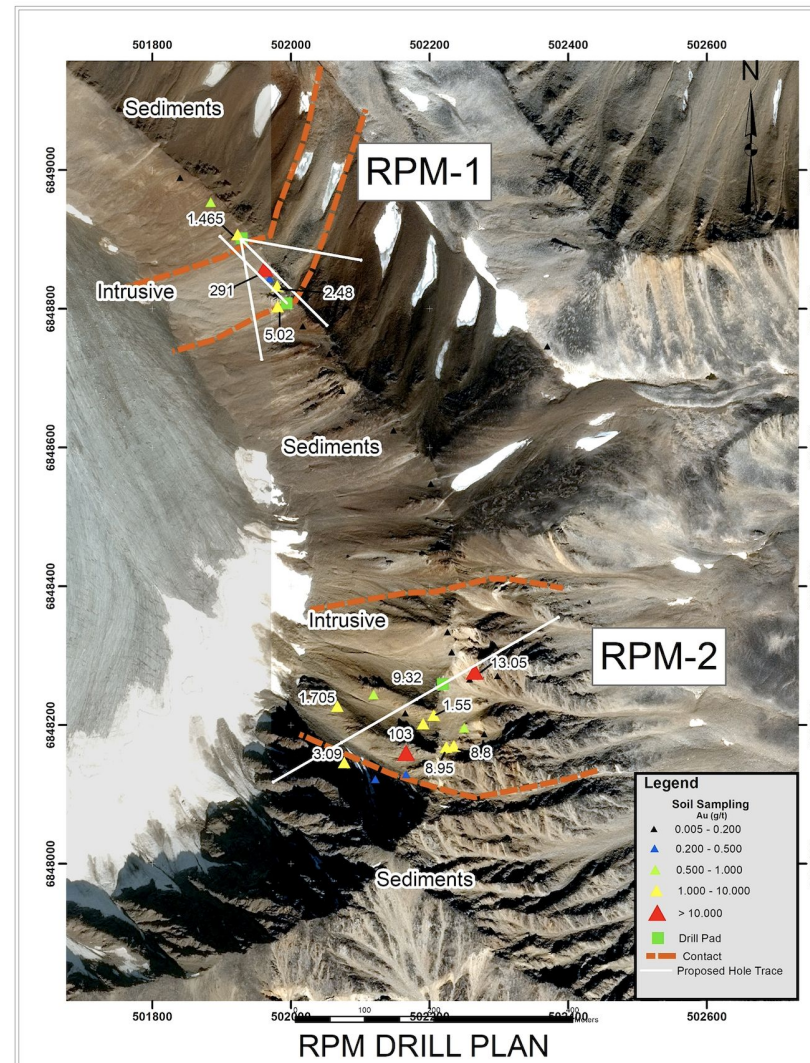
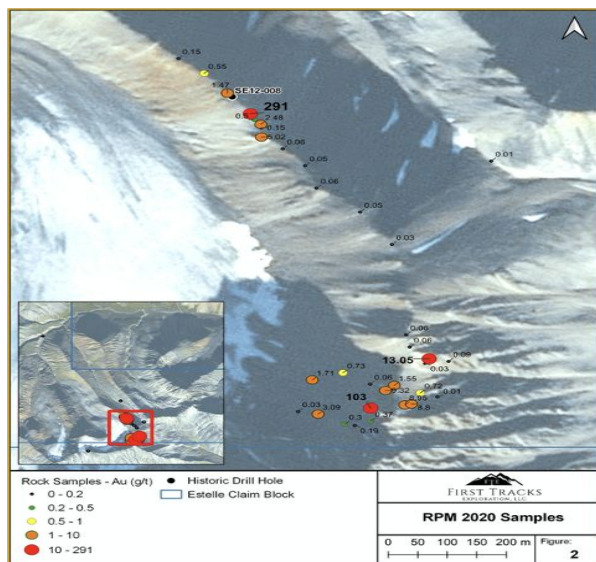
RPM Prospect

SE12-008	From (m)	To (m)	Grade g/t	Width
Intersection	4.27	180.78	0.79	177.39
Includes	26.00	146.40	1.02	120.40
Includes	75.19	125.36	1.76	50.17

Sampling of high-grade reconnaissance rock chips, define expanded footprint of high priority target within the RPM Prospect

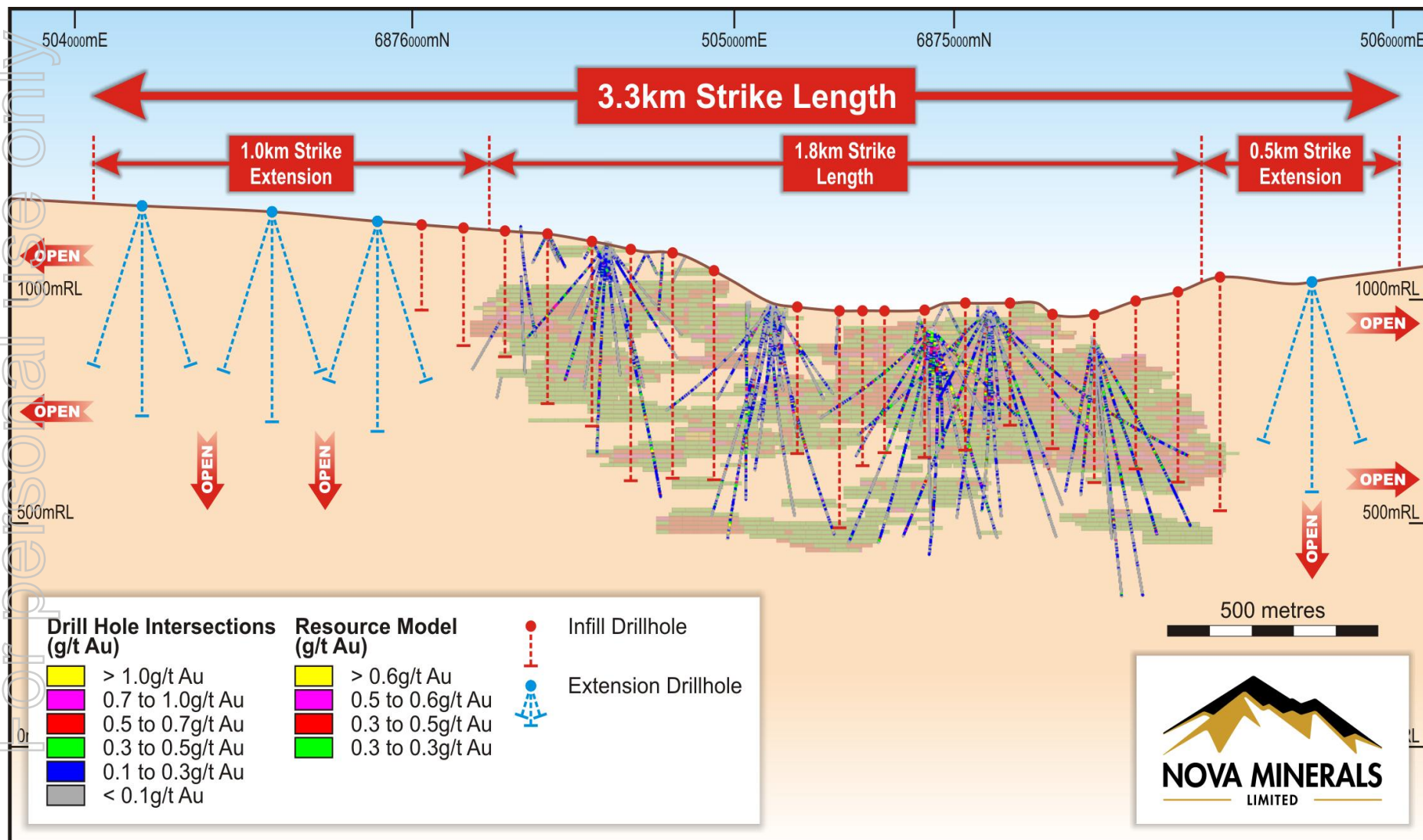
Rock samples returned high-grade gold results:

- 291 g/t, 103 g/t, 13.1 g/t, 9.3 g/t, 9.0 g/t, 8.8 g/t and 5 g/t



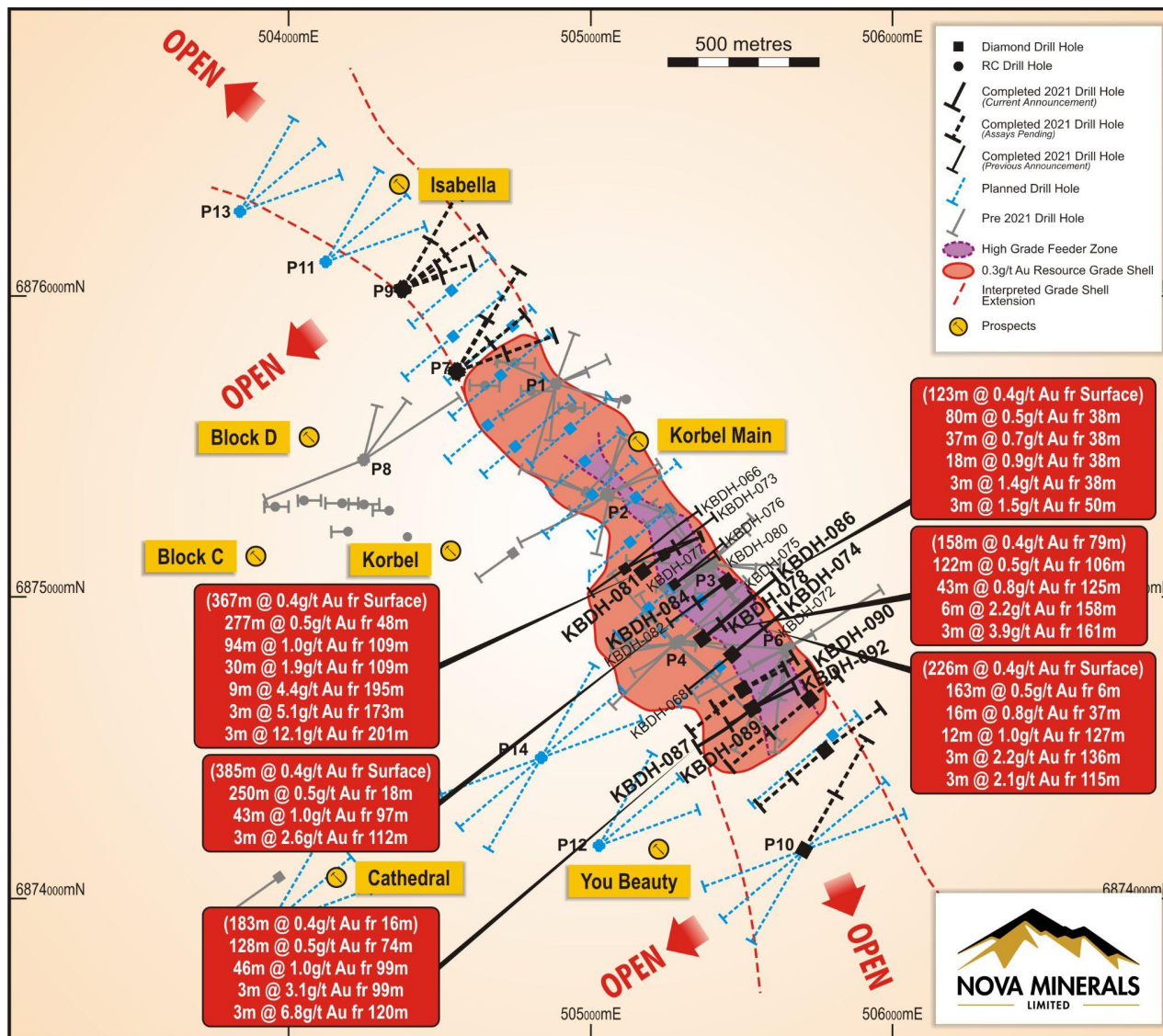
Understanding the Scale of Korbel Main Alone

(A small part of the wider Korbel Valley (page 10) area of interest)



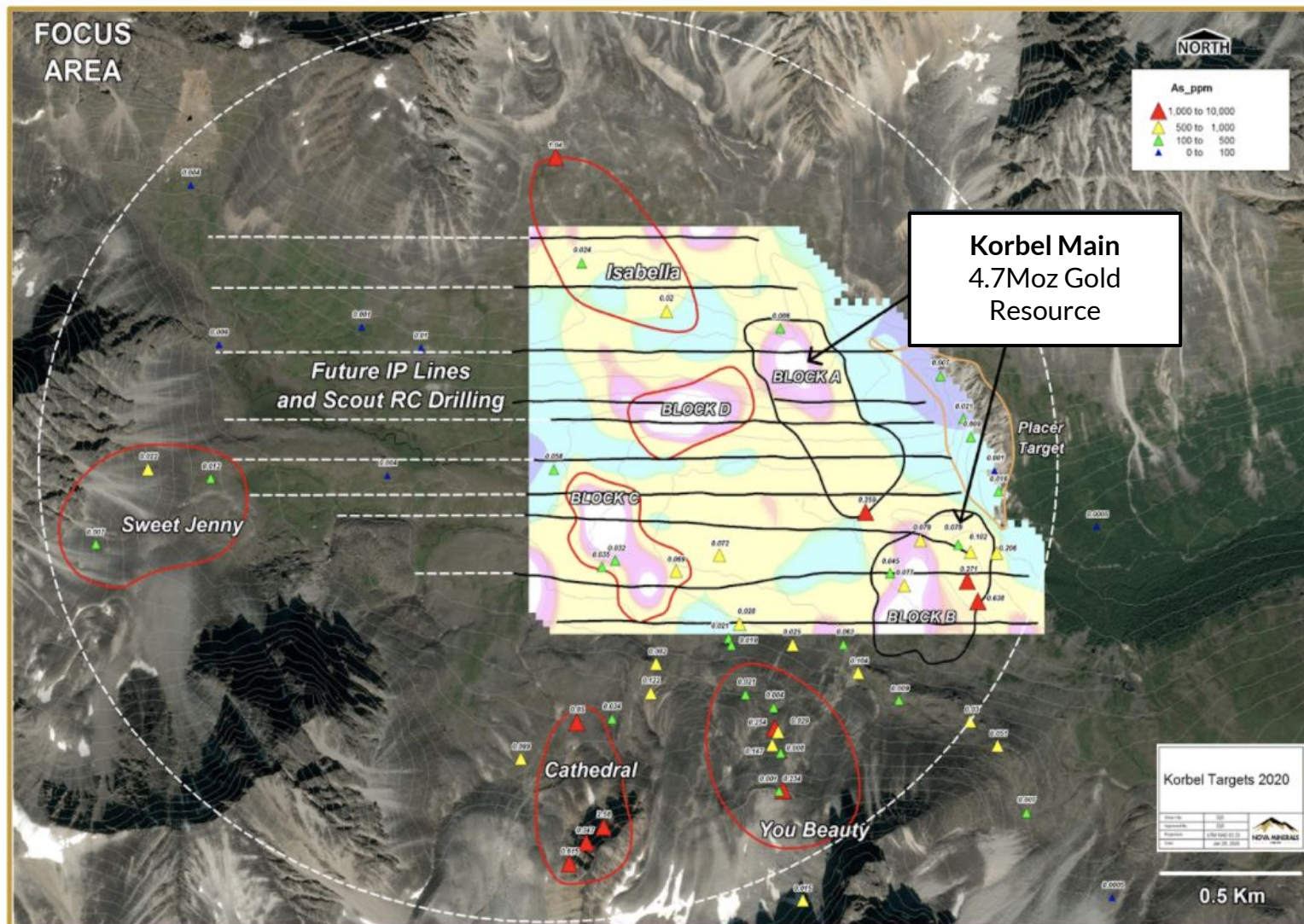
High grade feeder zone within Korbel Main outlined

(A small part of the wider Korbel Valley area of interest on next slide)



Korbel Valley

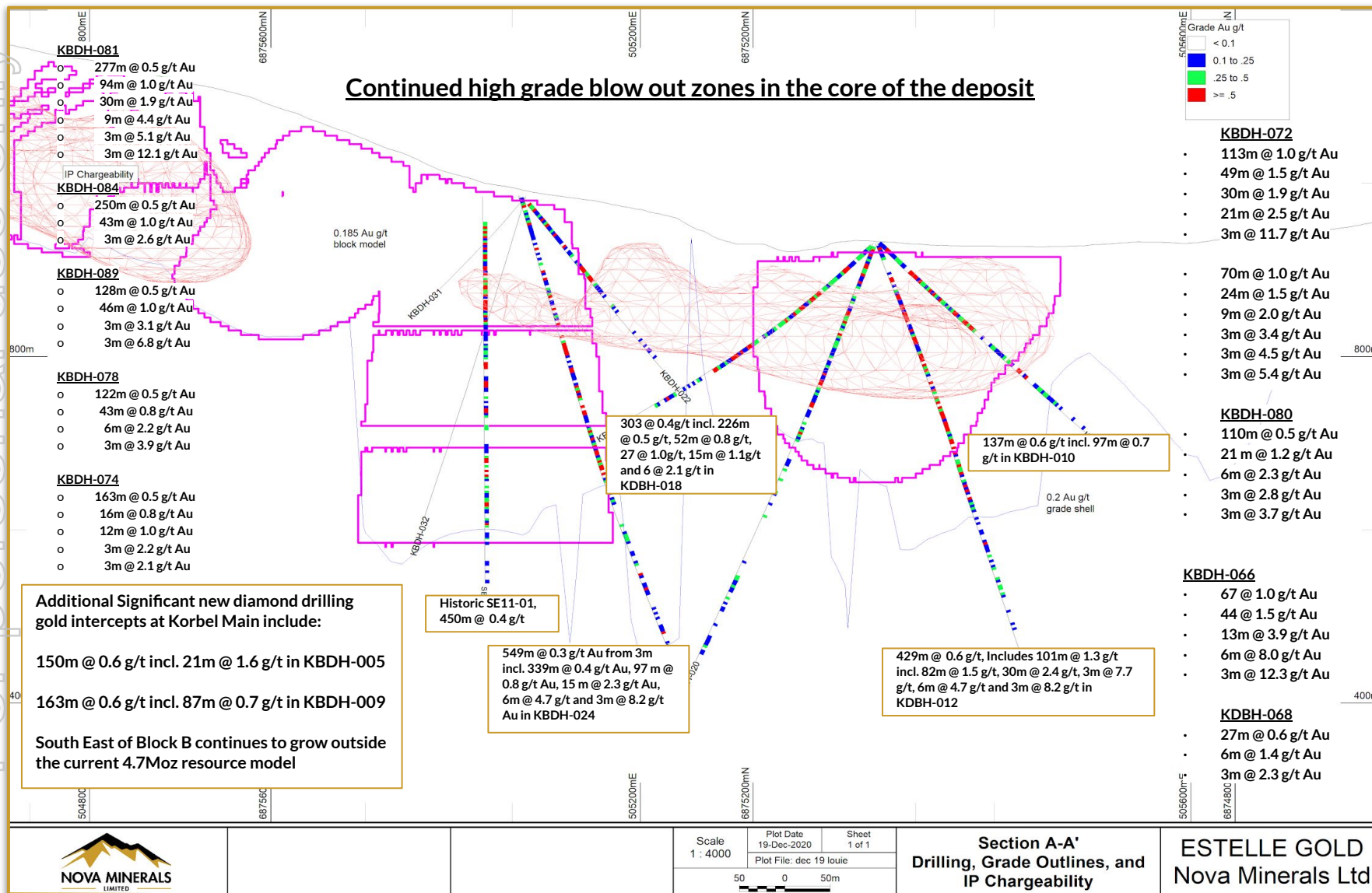
(Untapped area of interest outside of Korbel Main within the same valley)



For personal use only

Drilling Extends Mineralisation

(ASX: 19 August 2020 & 16 October 2020)



Estelle Gold District - Within the Tintina Gold Province

LOCATION

185 km North West of Anchorage
15 km - From Whiskey Bravo Airstrip
15 km - From Proposed Donlin Pipeline

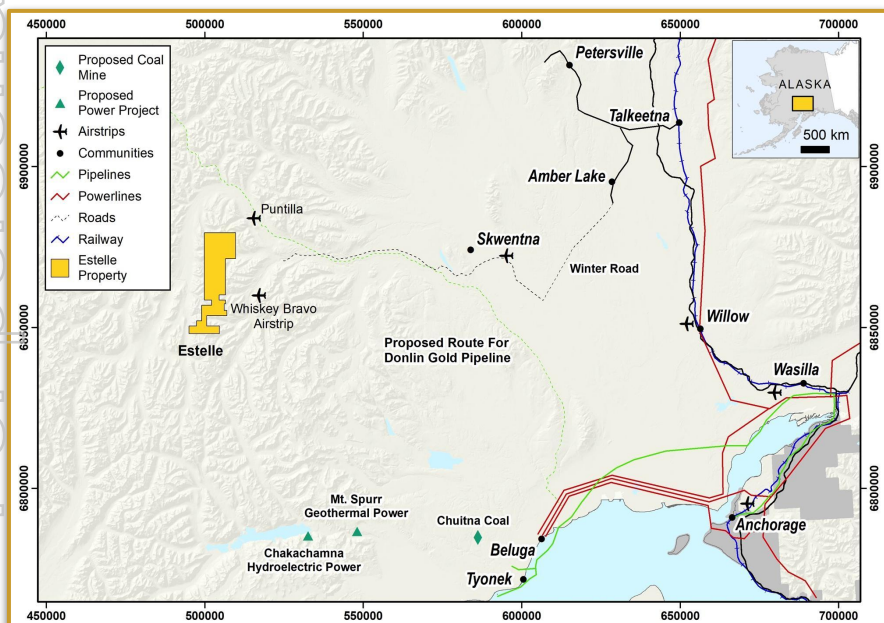
ACCESS

Aircraft: Anchorage to Whiskey Bravo

Helicopter: Whiskey Bravo to Property

Snow Road Access: Heavy cargo and passenger haulage available from Willow to Site, approximately 4 months of the year

Multi-Season Access Road: Government initiative to advance studies for the West Susitna Access Road



Cathedral Prospect - Korbel Valley

(ASX: 03 December 2018 and 26 August 2020)

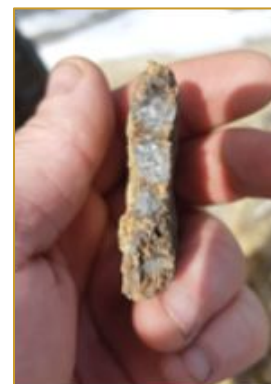
Sampling of high grade reconnaissance rock chips define a high priority target within the Korbel Valley at Cathedral

Rock chip samples returned high-grade gold results, including 6 samples greater than 10.0g/t and supporting lesser values:

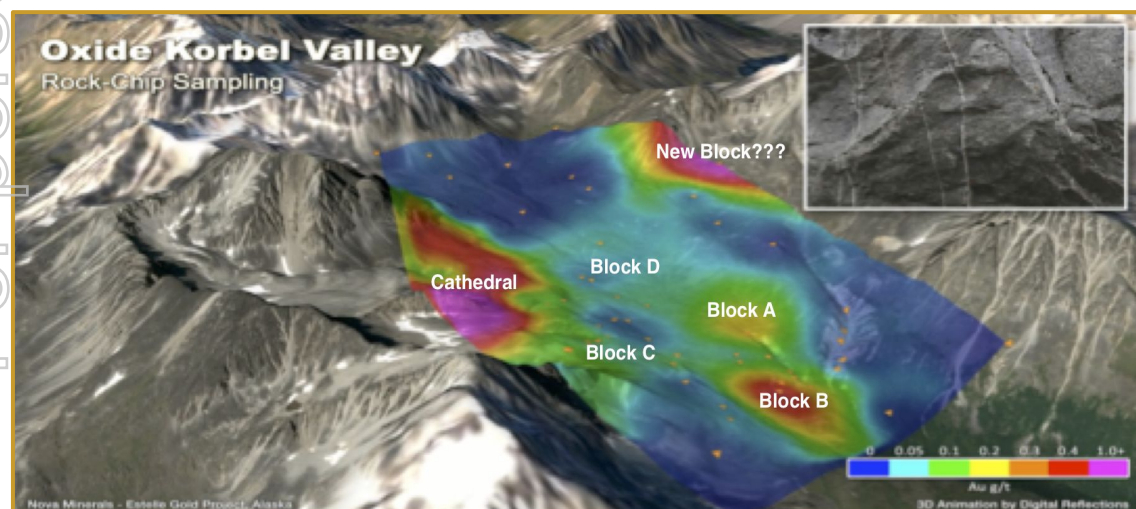
- **141.0g/t, 98.3g/t, 37.1g/t, 24.5g/t, 19.6g/t and 11.05g/t**



Chip Samples from Cathedral
- 141 g/t Au



Arsenopyrite Vein from
Cathedral -141 g/t Au



Chip sample stations 207646-207648 in the general South Korbel map area, illustrating metallic values across three, ten meter chip sample sites (30 metre). The average grade of the sampled area is 1.17 g/t gold, 6,230 ppm arsenic, 1.67 g/t silver, and 1.40 g/t tellurium. In addition, sample 207646 contained 1,295 ppm copper.

Visualising The Estelle Gold District - Unlocked!

Located 100 miles from a major US city and port



4 of 15 known prospects outlined above- a visual depiction of the Estelle Gold District unlocked

Korbel Main and RPM Project: Studies and Works

- De-risking studies and works underway:
 - Metallurgical and environmental studies
 - Onsite sample prep lab and infrastructure
- Initial metallurgical testwork on Korbel:
 - Bulk/Particle Ore sorting
 - Gravity/Flotation
 - Carbon In Pulp (CIP)
 - Fine Grind/Intensive Leach
 - Heap Leach
- Scoping Study to assess:
 - Mining/Process optimisation
 - Mine design and infrastructure
 - Optimal engineering design
 - Trade off studies - power/process
 - Economic estimation
 - RPM ore as early feed or sweetener into mill at the Korbel processing hub

Estelle analogue Mine Complex-Carlin Type Deposits



Estelle analogue Fort Knox Gold Mine- Open Pit



'The resource is amenable to pre-concentration using XRT ore sorting whereby our test work to date has clearly shown a 10x increase in grade can be achieved' (ASX:15 March 2021)



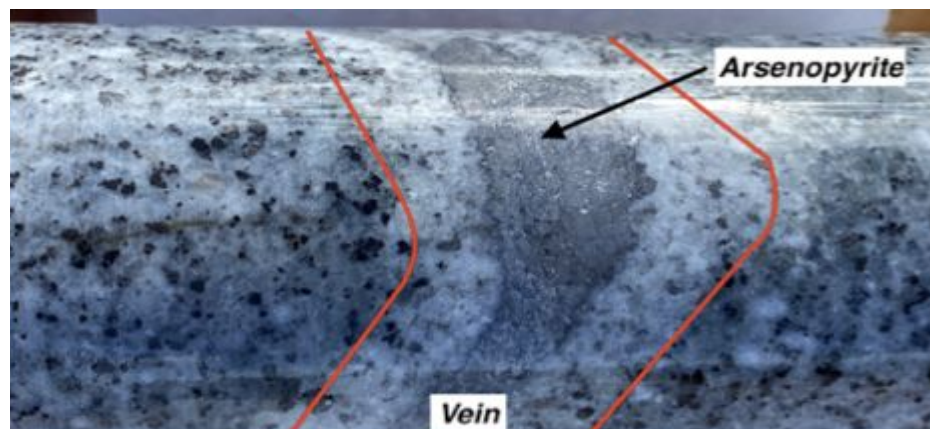
Nameplate capacity is the 1800 tons per hour XRT-based sorting plant at the Umm Wu'al phosphate mine in Saudi Arabia

Ore Sorting Discrete Korb Main Veins

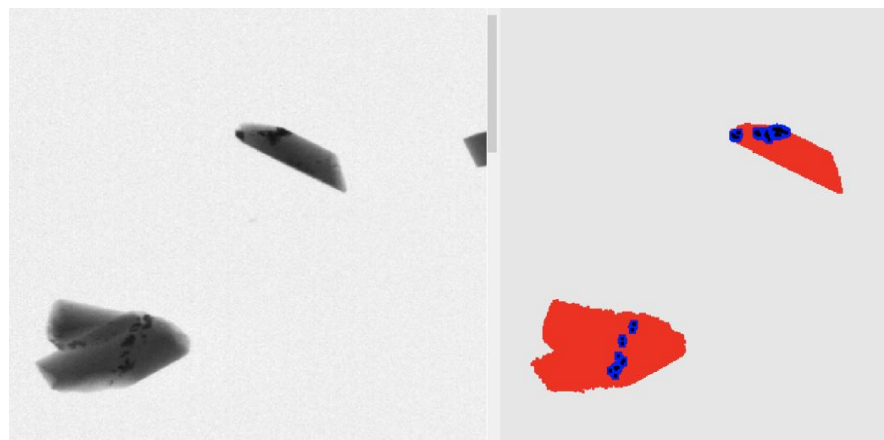
(ASX:15 March 2021)

Ore sorting test work on drill core demonstrates great potential for less processing and increased mine production at Korb Main

- Ore sorting results show up to 10x uplift from 588kg sample
- Ore sorting test work programmes conducted by TOMRA in Sydney demonstrate the potential of ore sorting using X-ray transmission (XRT) technology to successfully separate the gold-bearing veins at Korb Main
- The results clearly demonstrate the significant benefits that could be expected from the application of Ore Sorting technology, including the potential to increase mine production and enhance the project economics.
- The application of ore sorting at Korb Main has potential to improve project economics and increase gold production through:
 - Facilitation of bulk mining that would reduce unit mining costs and ore loss experienced in selective mining
 - Rejection of waste material, leading to lower processing costs and minimising environmental impact
 - Higher mill feed grade



Typical Arsenopyrite sheeted vein in core from Korb Main

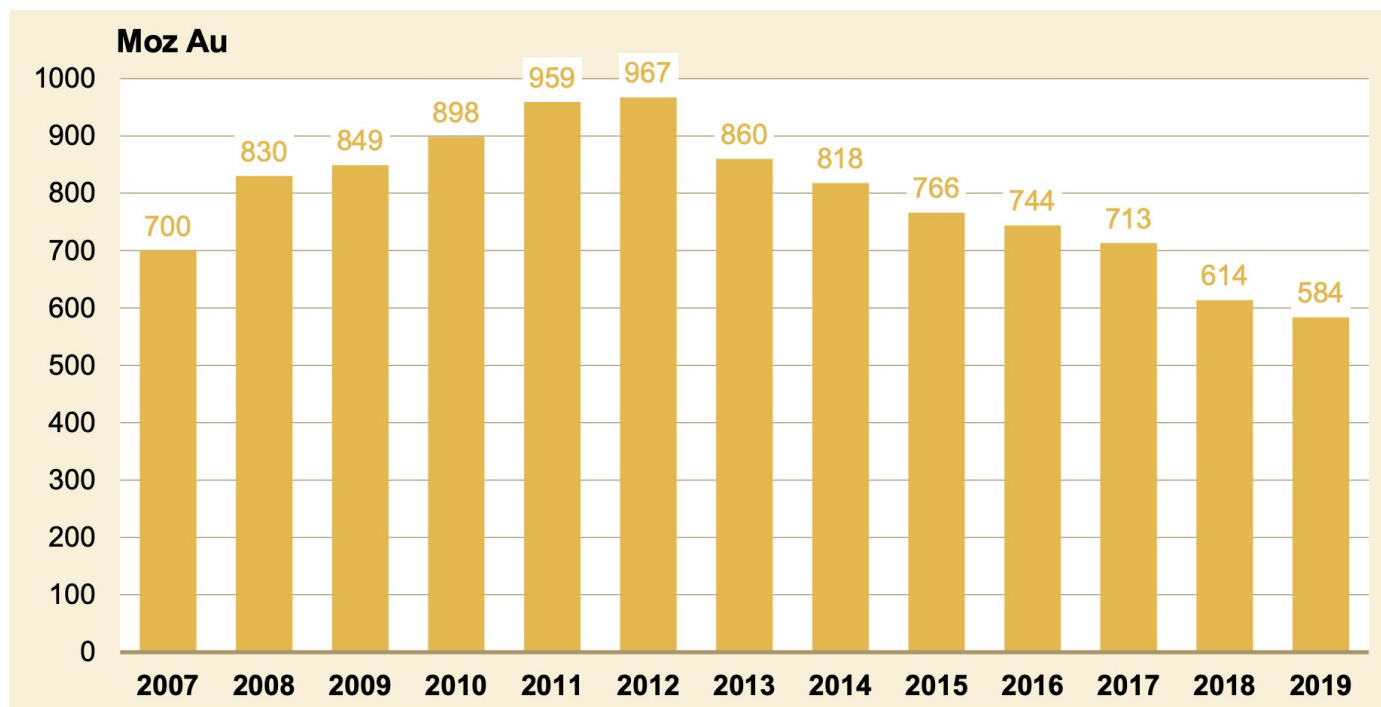


XRT Scan of Product after Stage 1 (6.06 g/t). Blue and Black = Arsenopyrite sheeted vein. Red = Granite Waste Rock.

Unlocking the Estelle Gold District at the Right Time



Reserves held by major gold companies have declined 26% since 2012...they are now below 2007 levels

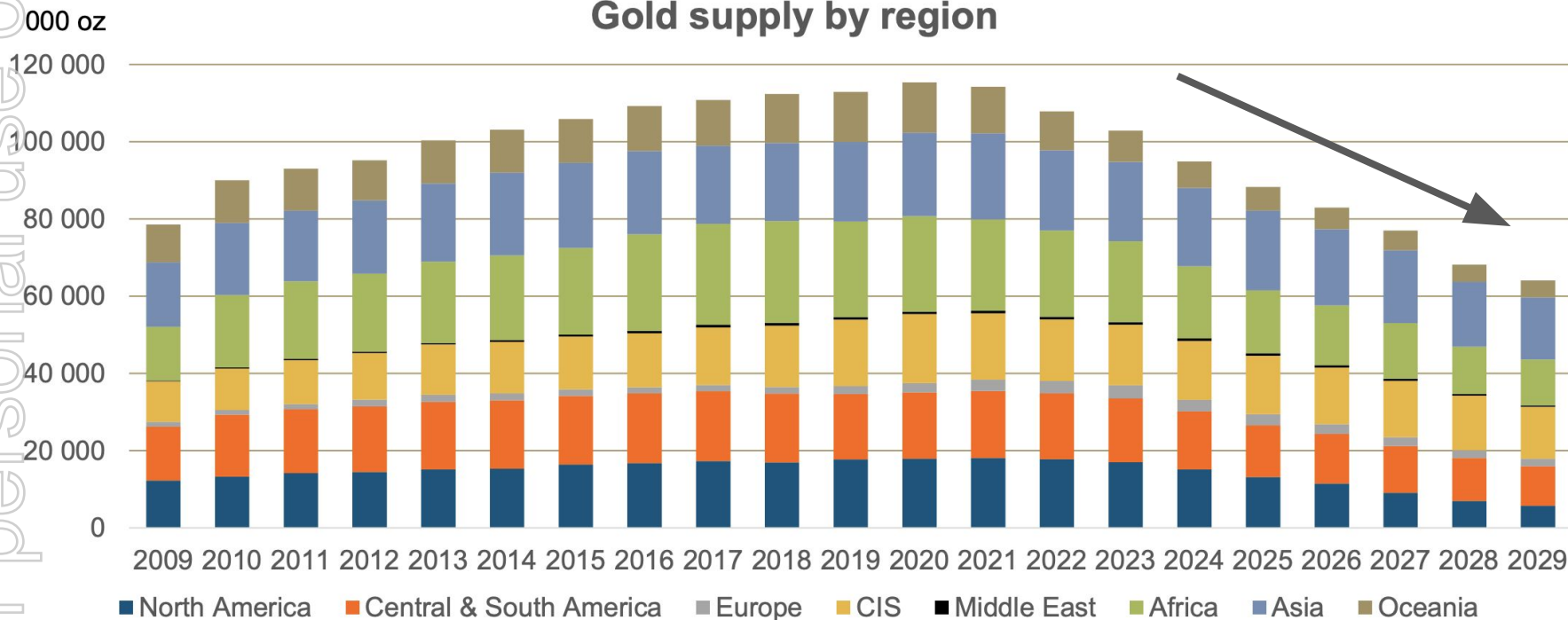


Agnico Eagle, AngloGold Ashanti, Barrick, China National, Freeport McMoRan, Gold Fields, Goldcorp, Harmony, Kinross, Navoi Mining & Metallurgy Combinant, Newcrest, Newmont, Nord Gold, PJSC Polyus, Polymetal International, Randgold Resources, Shandong Gold

Gold Supply Forecast

The gold industry is facing a downturn in production

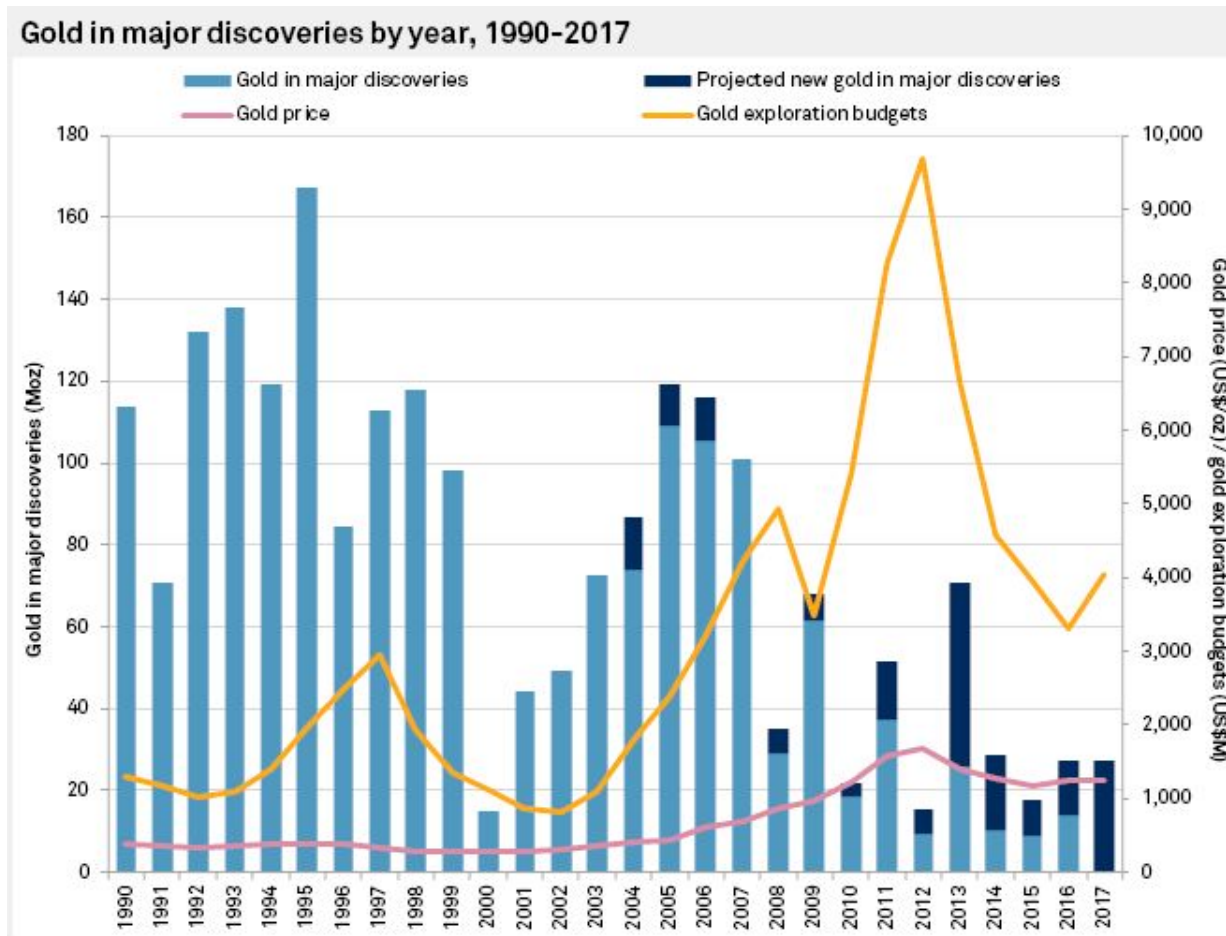
Gold supply by region



Source: AME Metals & Mining/Strategic Market Study Q2 2019

Discoveries and Exploration Expenditure

Despite increasing exploration budgets, the industry has little to show for it

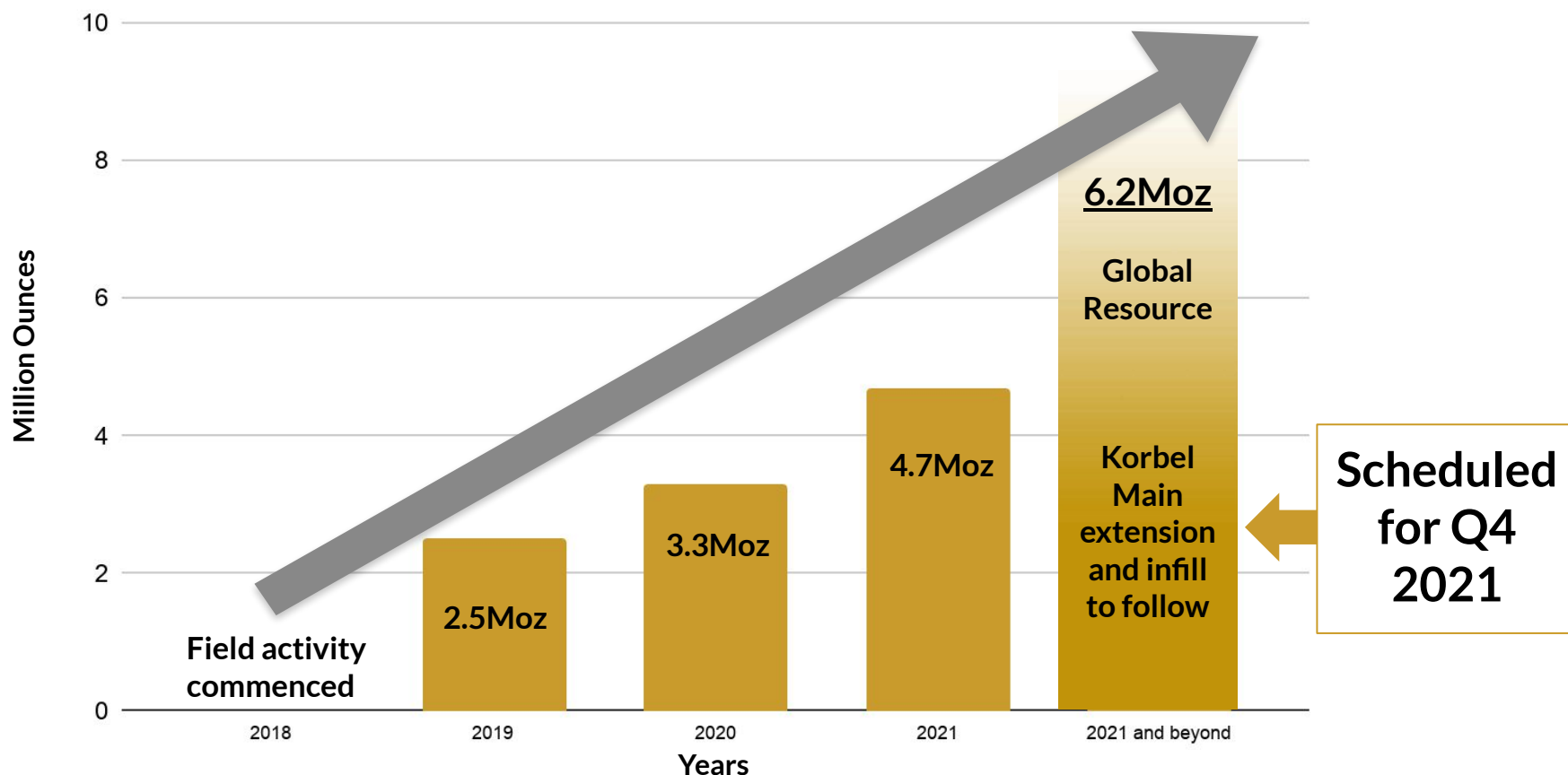


Source: S&P Global Market Intelligence - April 26, 2018

Our Track Record Of Discovering Ounces - We Are Not Done Yet!



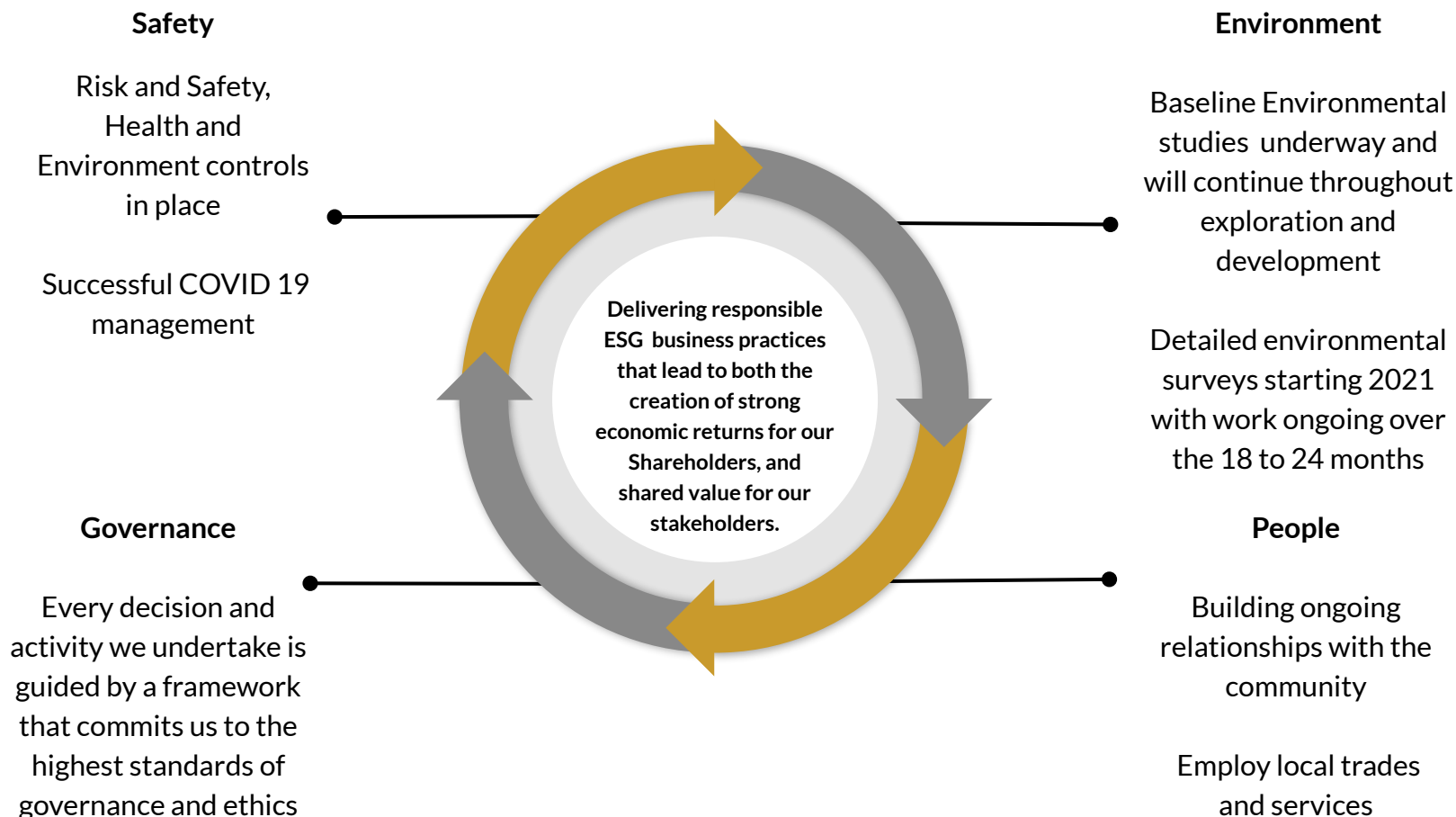
Reflective of the Korbel Main & RPM Prospects Only



See NVA ASX announcement on 05 October 2020 and 06 April 2021 for further details

Building a Solid Business

For personal use only



View our sustainability report here:
<https://novaminerals.com.au/sustainability-report/>

Innovation with Environment in Mind

eVTOL on the Exploration and Mine Site

The RX eTransporter can take off and land vertically and fly for over 1.5 hours, or hover for over 45 minutes, on a single charge. Typical eVTOL's that are in the news today can only hover for a few minutes before needing to land. Having this outstanding eVTOL hovering capability makes the RX eTransporter ideal for commercial cargo and personnel flights.

The extremely versatile eTransporter has a max air speed of over 160mph and a ceiling of over 25,000 feet! This, along with a range of up to 200 miles and a max payload of 1,600 lbs, means that the RX eTransporter will be the clear leader in the electric air taxi space.



XRT Ore Sorting

Sorting particles early in the process removes waste material from the circuit. This removed material allows more throughput of valuable feed for downstream processes like leaching, flotation or gravity concentration. It also allows companies to choose to decrease their plant size for significant CAPEX and OPEX savings. Removing waste from circuits can also remove bottlenecks further down the mineral processing circuit. Higher head grades also result in improved leaching and flotation recoveries.

This preconcentration also lowers the environmental footprint of the mineral processing operation as waste material can be stored in rock piles rather than ending up in a wet tailings impoundment. Preconcentration is simple to implement and an effective way to improve downstream mineral processing operations.



Fundamental Multi Pillar Growth Strategy

- **Gold** - Aiming to be the next low-cost gold producer in Alaska while unlocking the Estelle Gold district
 - Leverage in the emerging gold bull market
 - 6.2Moz Jorc gold resource and growing rapidly
- **Lithium** - Spinning off and managing Snow Lake Resources (Thompson Brothers Lithium Project)
 - Snow Lake is committed to being the first fully renewable energy powered electric mine in the world that can deliver a completely traceable, conflict free, net zero carbon, battery grade lithium to the electric vehicle, or EV, consumer market.
- **eVTOL** - Preparing innovative RotorX air taxi and heavy lift eVTOL and helicopter manufacturer for listing (Alongside Lilium, Joby, and Volocopter Peers)
- **Gold** - Continuing to support the growth 11.65% holder of Torian Resources (ASX:TNR)
- **Opportunities** - Remaining open minded for additional opportunistic investments for further shareholder growth

Investments - Positioned for Further Growth



~74% owned

To learn more please visit:
<https://snowlakeresources.com>



11.65% owned

To learn more please visit:
<https://www.torianresources.com.au>



9.9% owned

To learn more please visit:
<https://rotorxaircraft.com>

CEO, Mr. Christopher Gerteisen notes:

"Our metric for evaluating our managerial performance is simply how rapidly we develop our assets, what strategic positions we have acquired at well below inherent value and what partnerships we have formed to advance our projects. From small beginnings, we have evolved into a company that has a large and growing gold endowment, unlocking a district in a top tier jurisdiction, taken strategic positions, formed relationships and partnerships with companies to assist us in our aggressive growth strategy with Nova's long-term sustainability and innovation in mind to benefit all stakeholders."



Investments - Positioned for Further Growth

Snow Lake's Mission

Snow Lake is committed to being the first fully renewable energy powered electric mine in the world that can deliver a completely traceable, conflict free, net zero carbon, battery grade lithium to the electric vehicle, or EV, consumer market. Snow Lake aspires to not only set the standard for responsible lithium battery manufacturing but intends to be the first lithium producer in the world to achieve Certified B Corporation status in the process. As a Certified B Corporation (defined on page 3 of F1 Filing), Snow Lake would hope to participate in accelerating the global culture shift to redefine success in business and help to build a more inclusive and sustainable economy.

- Mineral Resource Estimate (ASX: 3 June 2021):
 - o Indicated Resource Estimate of 9.08 Mt @ 1.00 % Li₂O using a 0.3 % Li₂O cut-off grade and;
 - o Inferred Resource Estimate of 1.97 Mt @ 0.98 % Li₂O using a 0.3 % Li₂O cut-off grade.

Snow Lake intend to achieve environmental, sustainability and governance friendly strategy through utilization and operation of the following initiatives and resources:

- Snow Lake have entered into a memorandum of understanding (MOU), with Meglab Electronique Inc. for Meglab's delivery to of the first all-electric lithium mine in the world.
- Snow Lake have also entered into a MOU with CentrePort Canada Inc. to have CentrePort as the potential location to build a hydroxide plant.



Investments - Positioned for Further Growth

Summary

- In April 2021, Snow Lake entered into a MOU with IMG Investitions- und Marketinggesellschaft Sachsen-Anhalt mbH, the economic development agency for the state of Saxony-Anhalt, to consider investment in a lithium hydroxide plant in the Saxony-Anhalt region for final processing. Snow Lake cannot guarantee however, that the above non-binding MOUs will lead to definitive agreements.
- Power to operate the future lithium mine is expected to be supplied by Manitoba Hydro on a 97% renewable basis;
- Snow Lake are currently identifying sites within Manitoba for hydroxide processing of spodumene that will be powered by renewable energy sources;
- The Arctic Gateway Group's Hudson Bay Railway lines are located within 30 kilometers of our TBL property will connect our lithium mining operations to the North American auto industry with a minimum carbon footprint, with total mine to manufacturer distance of less than 1,000 miles; and
- Snow Lake intend to apply for "B Corporation" certification reflecting our corporate dedication to standards of social sustainability, environmental performance, accountability and transparency. A "Certified B Corporation" is a business that meets the highest standards of verified social and environmental performance, public transparency, and legal accountability to balance profit and purpose. Snow Lake have begun the preliminary process to become a "pending" B corporation and expect to formally apply for B Corporation status approximately one year after completion of this offering and ramp up its operations. There can be no assurance at this time that Snow Lake will receive "pending" B corporation status, that Snow Lake will be able to apply for full B Corporation status within the time frame referenced above or that Snow Lake will be successful in achieving B Corporation status.

These factors will give Snow Lake a competitive edge and first mover status in delivering a fully verifiable, environmentally friendly product to a rapid growth market that is consumer driven to demand a new level of transparency and responsibility.

Full details of the updated Snow Lake SEC filing:

https://www.sec.gov/Archives/edgar/data/0001769697/000121390021039589/ea145027-f1a2_snowlake.htm

Investments - Positioned for Further Growth

Practical Steps

Snow Lake have launched a PEA, which will include in depth metallurgy analysis, resource definition, engineering assessment and ore sorting optimization, among other studies, during the third calendar quarter of 2021. During the fourth quarter of 2021, Snow Lake plans to begin an additional drilling program to further expand the existing resource and a mag drone survey that will be partially financed by a grant from the Manitoba Government. In 2022, Snow Lake intends to initiate a PFS with additional drilling exploration programs on the TBL property to survey historic drilling holes from Sherritt Gordon's lithium discoveries more than 50 years ago, the records of which are intact. Snow Lake will begin the environmental studies process during late 2021, and sometime in 2022 Snow Lake will begin the permitting for the start of future mining operations. Snow Lake is confident that the company will confirm the historic mineralization assessments on the TBL property and be in a position to launch mining operations during 2023.



Investments - Positioned for Further Growth

The Property

The Thompson Brothers Lithium Project is located 20km east of Snow Lake, Manitoba in a mining friendly jurisdiction that has seen continuous production of base metals and gold since 1949. HudBay currently operates the nearby Lalor mine and has milling and concentrating facilities in the Snow Lake district

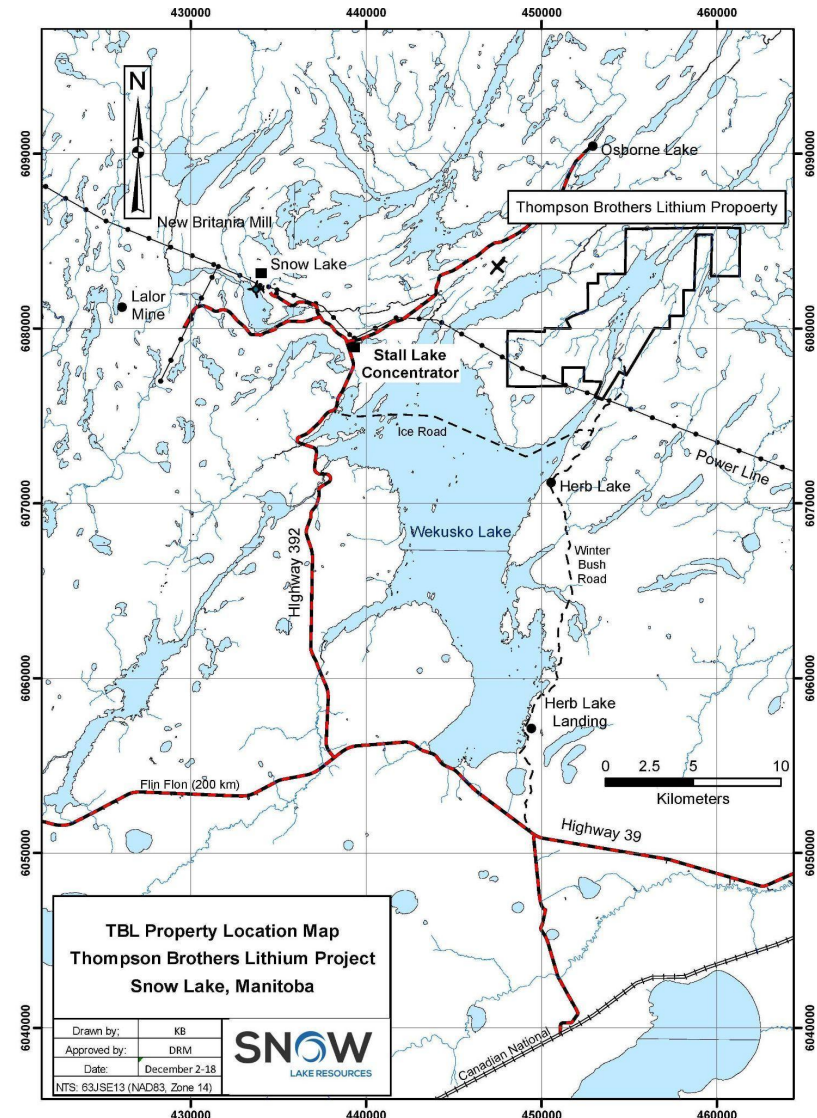
The Project Objectives

Snow Lake is currently working on two lithium enriched pegmatite dyke clusters on its property with recent efforts focused on the TB-1 deposit.

Future work will entail the completion of a Preliminary Economic Assessment followed by further definition and resource expansion drilling and technical evaluation.

Project Milestones

Snow Lake is confident that its strategic plan, once implemented, will demonstrate the robust mining potential of the Thompson Brothers Lithium project.



Investments - Positioned for Further Growth

Large secure Land position:

Snow Lake has a dominant land position encompassing 5,596 hectares (56km²).

Pro mining community:

HudBay operates the Lalor Mine and concentrator in the Snow Lake district.

Recent investments in the district demonstrate high confidence in the potential for new mine discoveries.

Access:

year round access to the Property may be gained by boat, barge, helicopter or winter ice/bush roads.

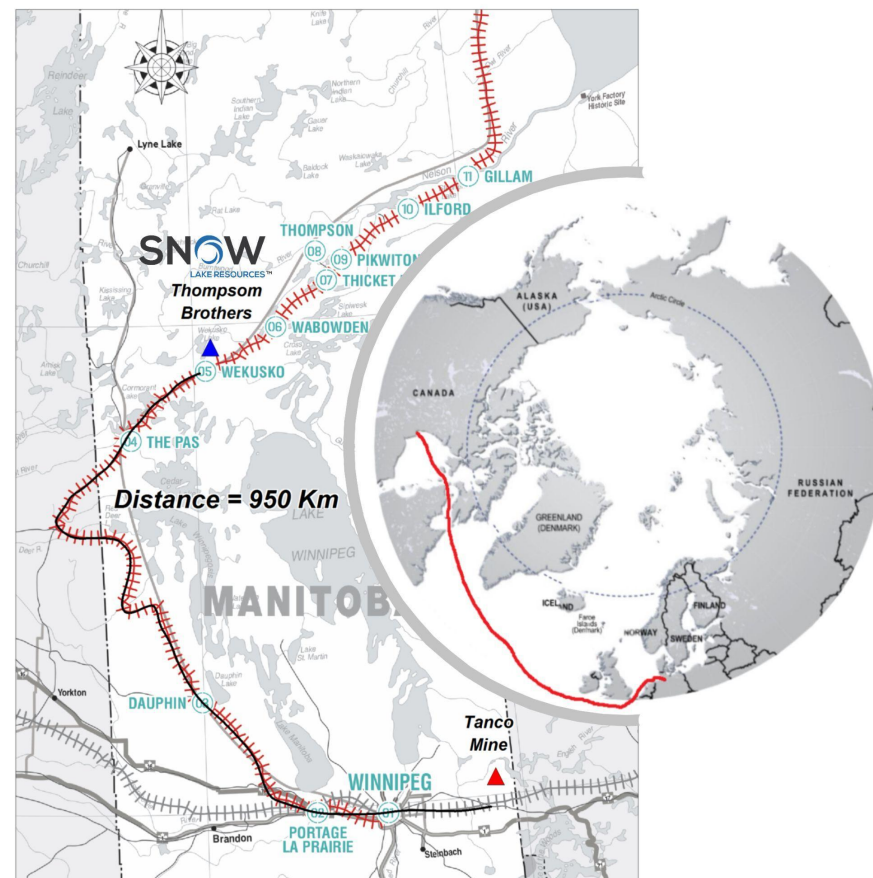
Existing Infrastructure:

Powerline traversing the property

Airstrip located 5km to the north.

Highway access to within 11km.

Railway access 35km to the south.



Investments - Positioned for Further Growth

The World's Most Efficient Helicopter (eVTOL) to continue our onsite cost saving measures



The RX eTransporter is a 4-rotor helicopter and is the first of its kind for civilian and industrial use. With the ability to transport 6 passengers comfortably or 1,600 lbs of cargo, this new aircraft is changing the way we think about aviation.

This revolutionary new helicopter provides plenty of leg room and comfortable charter-jet type interiors, and the open-interior version is ideal for air taxi operations, mining and exploration, agriculture package delivery, search and rescue, personnel recovery, and MEDEVAC operations.

Current Need for System:

- Alaska needs a vehicle to access to remote areas without roads and at higher altitudes
- Current vehicles are expensive and have a high operational cost
- Alaska needs a multirole, heavy-lift vehicle with passenger transport, medical evacuation, and air crane capabilities

Transporter B System Benefits:

- High performance aircraft without inefficiencies of a tail rotor system
- Reliable, low-cost, and proven engines flown on Rotor X Helicopters
- Rotor X Aircraft engines can be serviced by a truck mechanic (No A&P mechanic needed), reducing the operational cost of the vehicle
- Multiple modular pod center sections for carrying personnel, cargo, air ambulance, or for providing aerial crane capabilities



Disclaimer and Forward Looking Statement

The information contained in this confidential document ("Presentation") has been prepared by Nova Minerals Limited (the "Company"). It has not been fully verified and is subject to material updating, revision and further amendment.

While the information contained herein has been prepared in good faith, neither the Company nor any of its shareholders, directors, officers, agents, employees or advisers give, have given or have the authority to give, any representations or warranties (express or implied) as to, or in relation to, the accuracy, reliability or completeness of the information in this Presentation, or any revision thereof, or of any other written or oral information made or to be made available to any interested party or its advisers (all such information being referred to as "Information") and liability therefore is expressly disclaimed. Accordingly, neither the Company nor any of its shareholders, directors, officers, agents, employees or advisers take any responsibility for, or will accept any liability whether direct or indirect, express or implied, contractual, tortious, statutory or otherwise, in respect of, the accuracy or completeness of the information or for any of the opinions contained herein or for any errors, omissions or misstatements or for any loss, howsoever arising, from the use of this Presentation.

Neither the issue of this Presentation nor any part of its contents is to be taken as any form of commitment on the part of the Company to proceed with any transaction and the right is reserved to terminate any discussions or negotiations with any prospective investors. In no circumstances will the Company be responsible for any costs, losses or expenses incurred in connection with any appraisal or investigation of the Company. In furnishing this Presentation, the Company does not undertake or agree to any obligation to provide the recipient with access to any additional information or to update this Presentation or to correct any inaccuracies in, or omissions from, this Presentation which may become apparent.

This Presentation should not be considered as the giving of investment advice by the Company or any of its shareholders, directors, officers, agents, employees or advisers. Each party to whom this Presentation is made available must make its own independent assessment of the Company after making such investigations and taking such advice as may be deemed necessary. In particular, any estimates or projections or opinions contained herein necessarily involve significant elements of subjective judgement, analysis and assumptions and each recipient should satisfy itself in relation to such matters.

Neither this presentation nor any copy of it may be (a) taken or transmitted into the United Kingdom, Canada, Japan or the United States of America, their territories or possessions; (b) distributed to any U.S. person (as defined in Regulation S under the United States Securities Act of 1933(as amended)) or (c) distributed to any individual outside Australia, Canada or Japan who is a resident thereof in any such case for the purpose of offer for sale or solicitation or invitation to buy or subscribe any securities or in the context where its distribution may be construed as such offer, solicitation or invitation, in any case except in compliance with any applicable exemption. The distribution of this document in or to persons subject to other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of the relevant jurisdiction.

The Company confirms that it is not aware of any new information or data that materially affects the information included in this document and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed from the announcements released on the ASX on 05 October 2020.

Competent person statement

Mr **Dale Schultz P.Geo.**, Principal of DJS Consulting, who is the Nova Minerals group's Chief Geologist and COO of Nova Minerals subsidiary Snow Lake Resources Ltd., compiled the technical information in this presentation and is a member of the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS), which is ROPO, accepted for the purpose of reporting in accordance with ASX listing rules. Mr Schultz has sufficient experience relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking 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 Schultz consents to the inclusion in the report of the matters based on information in the form and context in which it appears.



THANK YOU

MORE INFO:

Email: info@novaminerals.com.au

Website: www.novaminerals.com.au

