

ASX: NVA | OTCQB: NVAAF | FSE: QM3

[www.novaminerals.com.au](http://www.novaminerals.com.au)



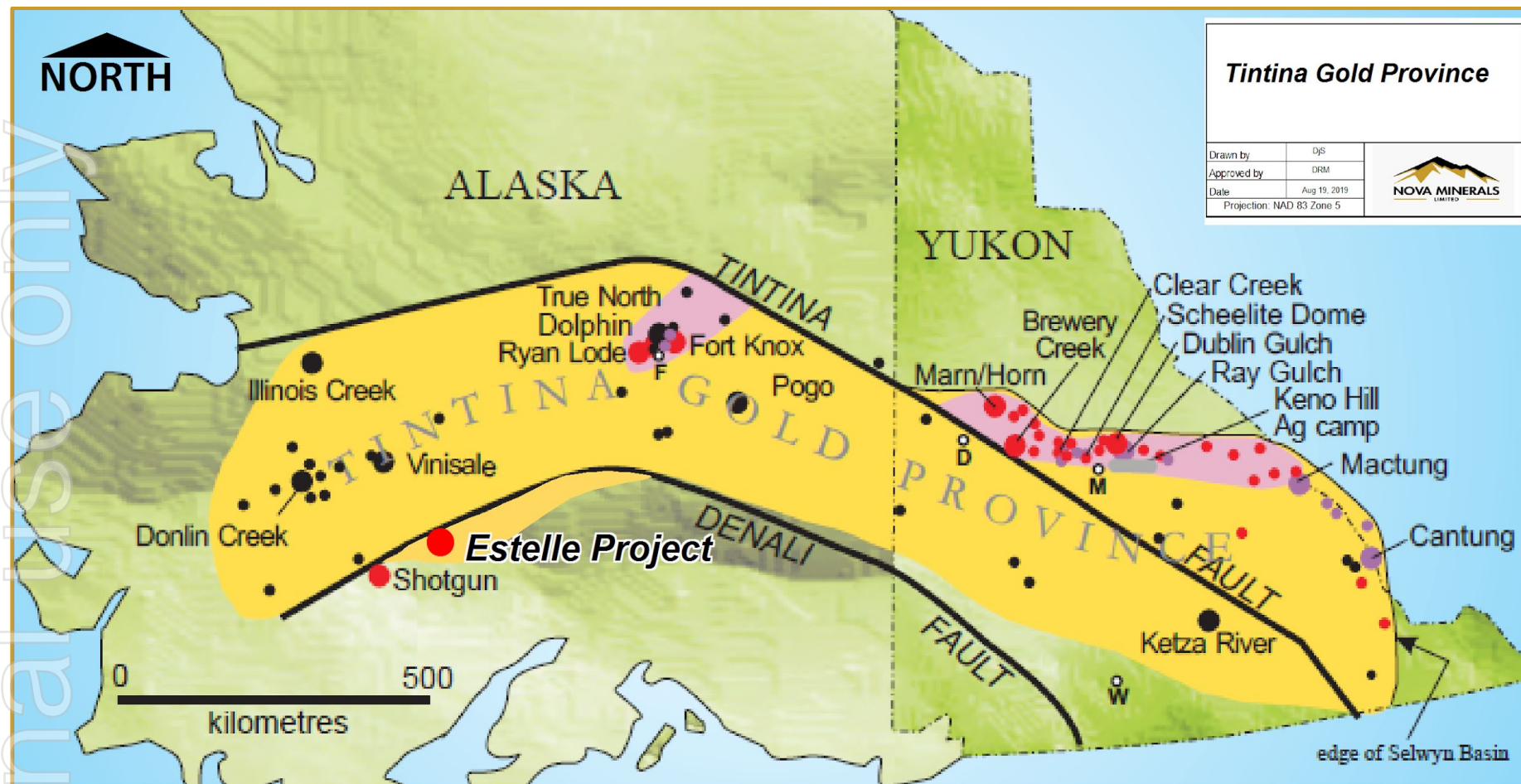
## AGM PRESENTATION

2021





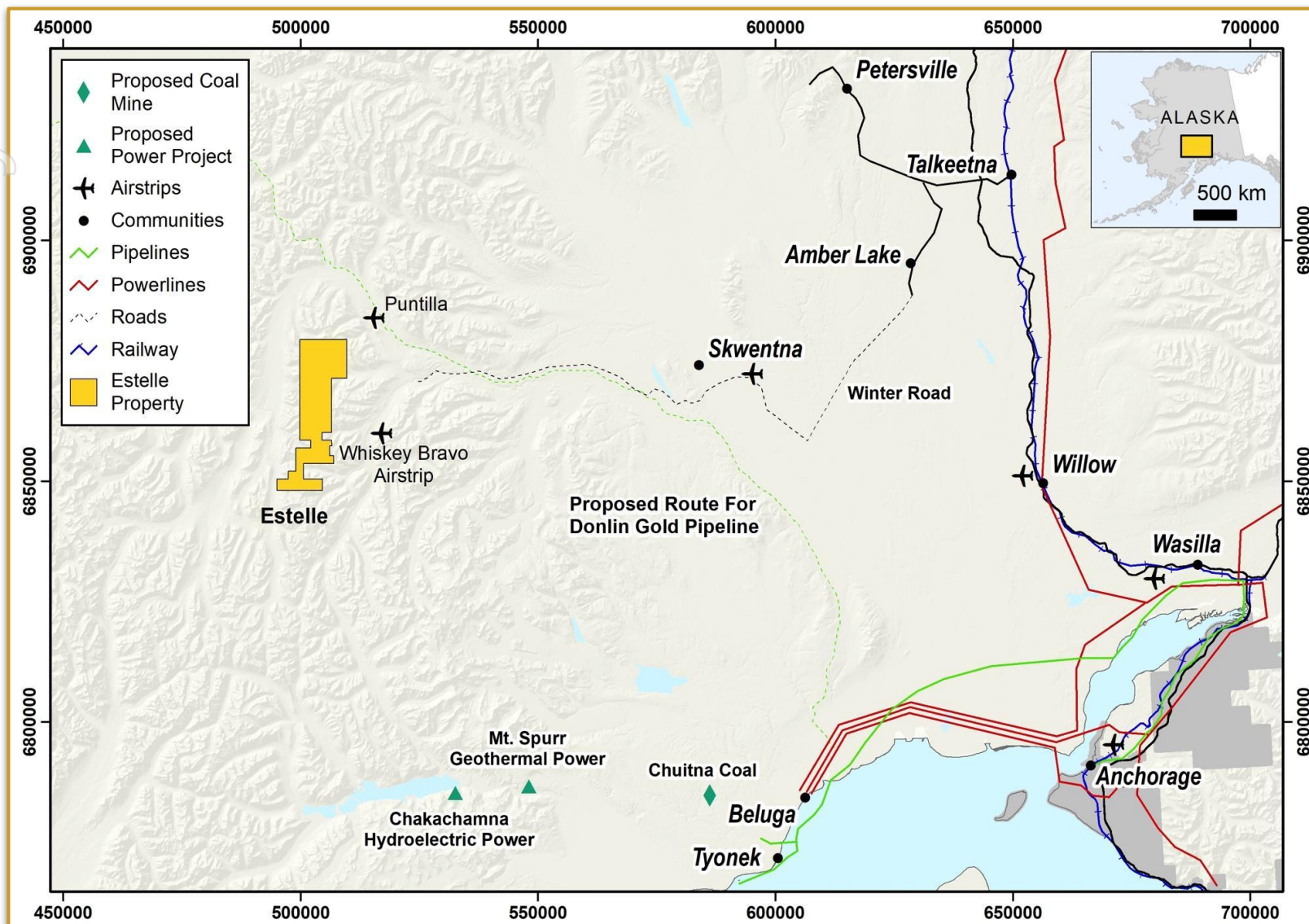
# Introduction to Nova Minerals



**Tintina Gold Belt:**  
 >200 Mozs Au documented endowment  
 Untold Mozs Au placer production  
 Intrusion Related Au (IRGS) elephant country

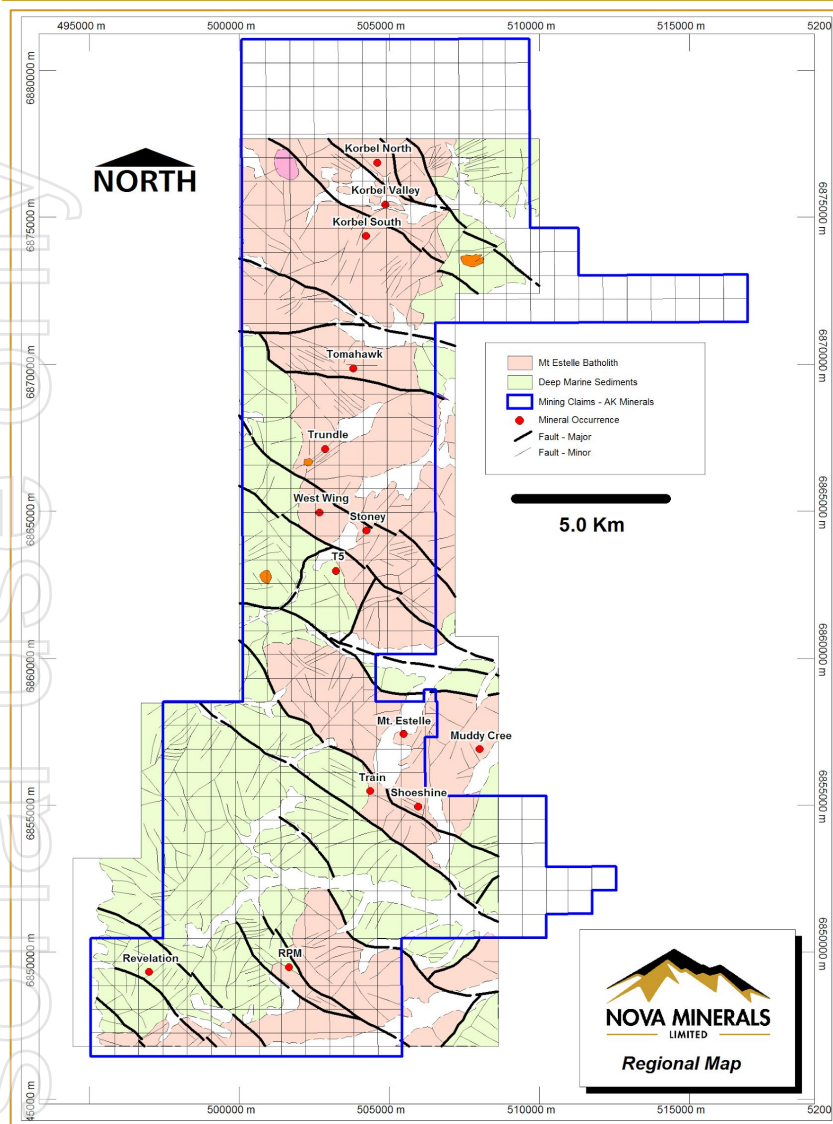


# Estelle Gold District - Within the Tintina Gold Province





# Estelle Gold District - Within the Tintina Gold Province



- Global Inferred Resource now at 6.2Moz<sup>1</sup>
- 324km<sup>2</sup> 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 (Korbel Main only - a start)
- Four known intrusions outside the Korbel area, plus more than 15 priority targets
- Reconnaissance field works have identified further high priority drill targets - Stoney, Train and Shoeshine

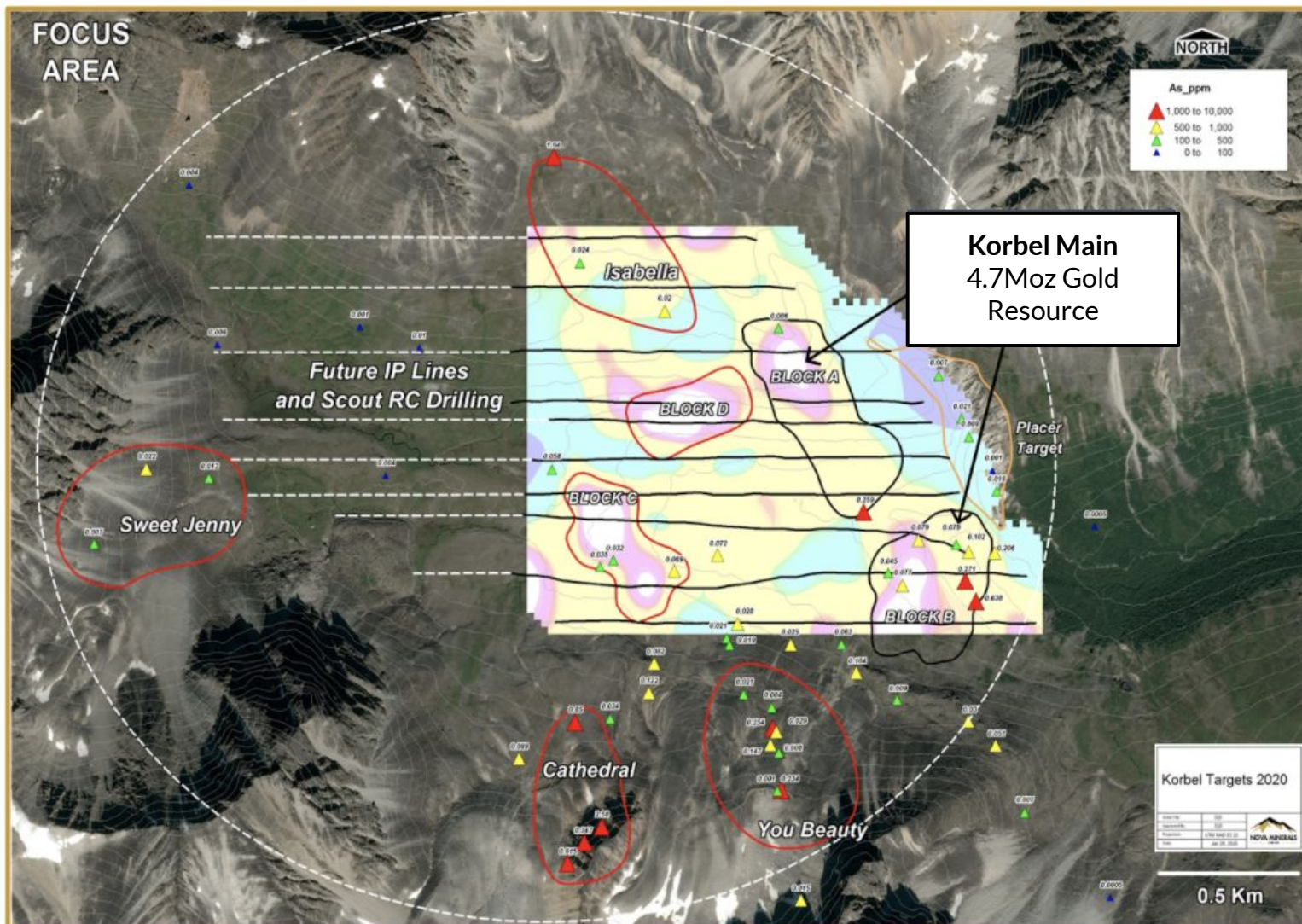
## Global Inferred Mineral Resources

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



# Korbel Valley

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





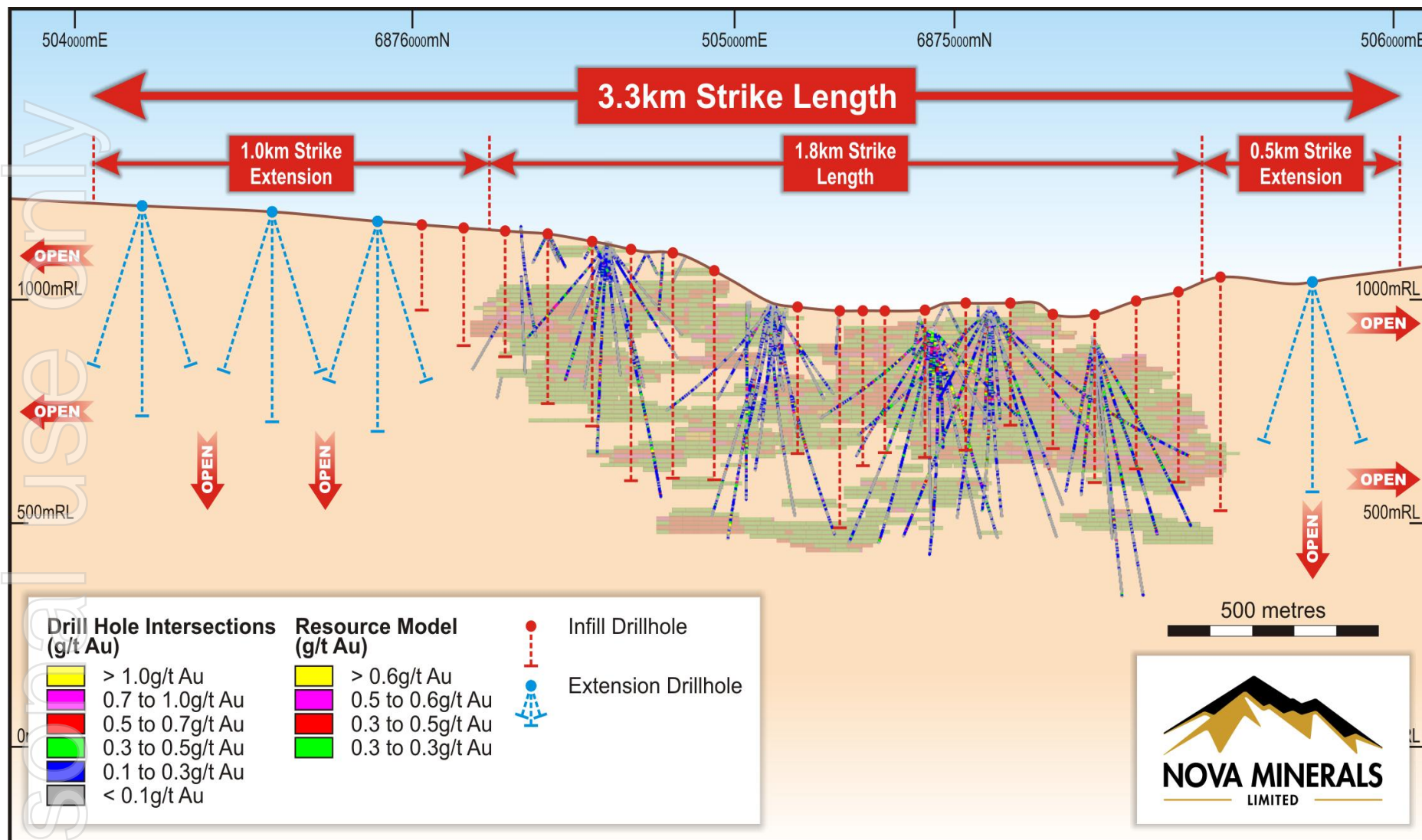
(A small part of the wider Korbel Valley area of interest)





# Understanding the Scale of Korbel Main Alone

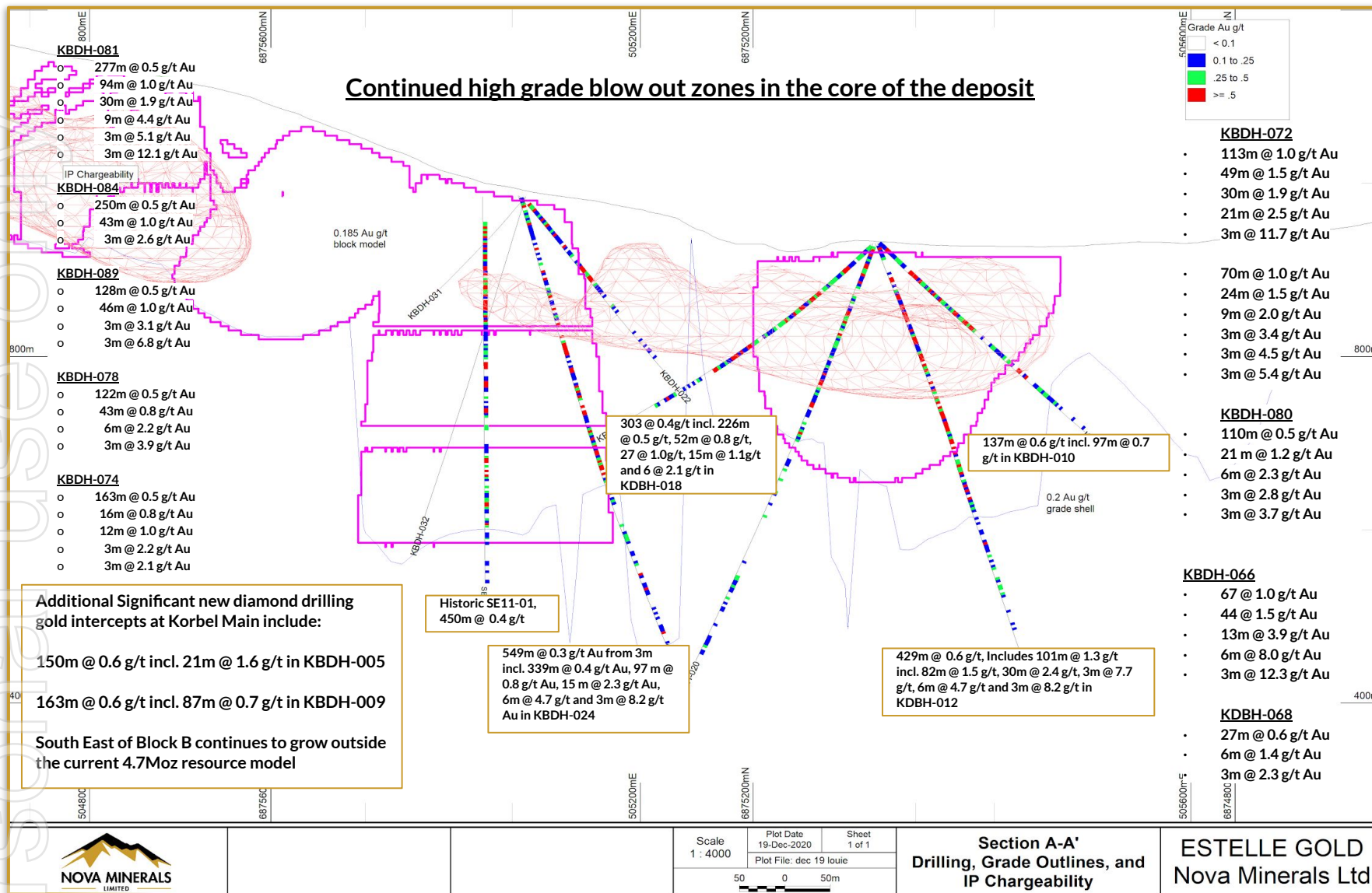
(A small part of the wider Korbel Valley (page 5) area of interest)





# Drilling Extends Mineralisation

(ASX: 19 August 2020 & 16 October 2020)



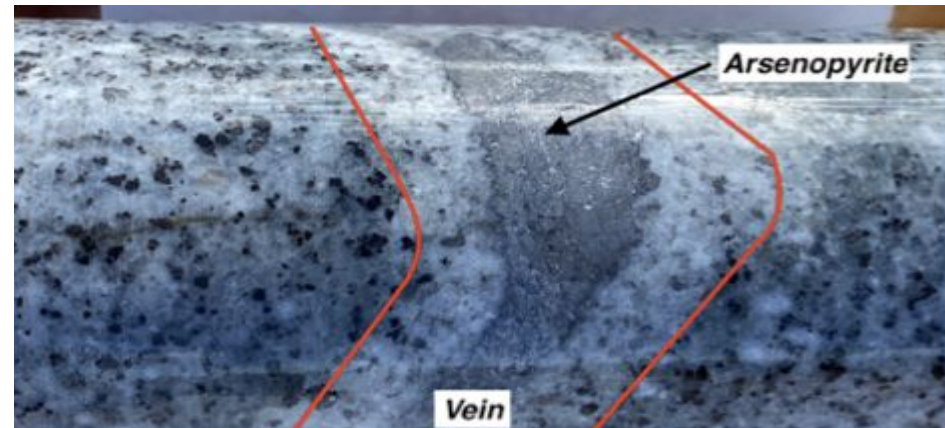


# Ore Sorting Discrete Korbelt Main Veins

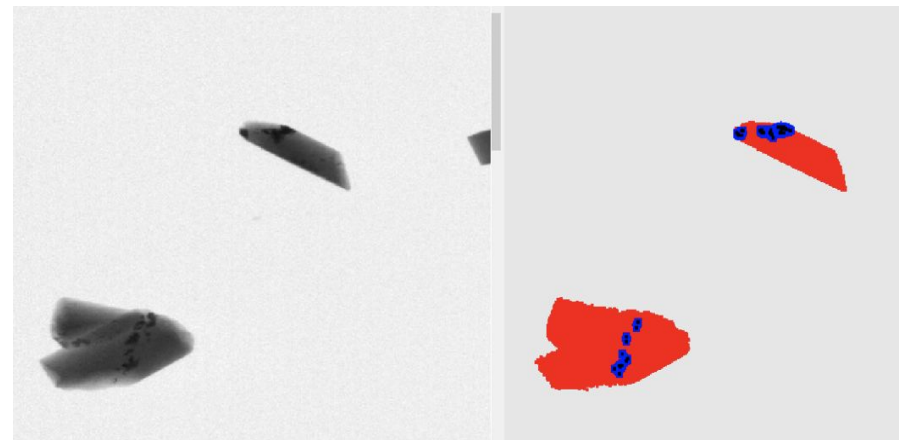
(ASX:15 March 2021)

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



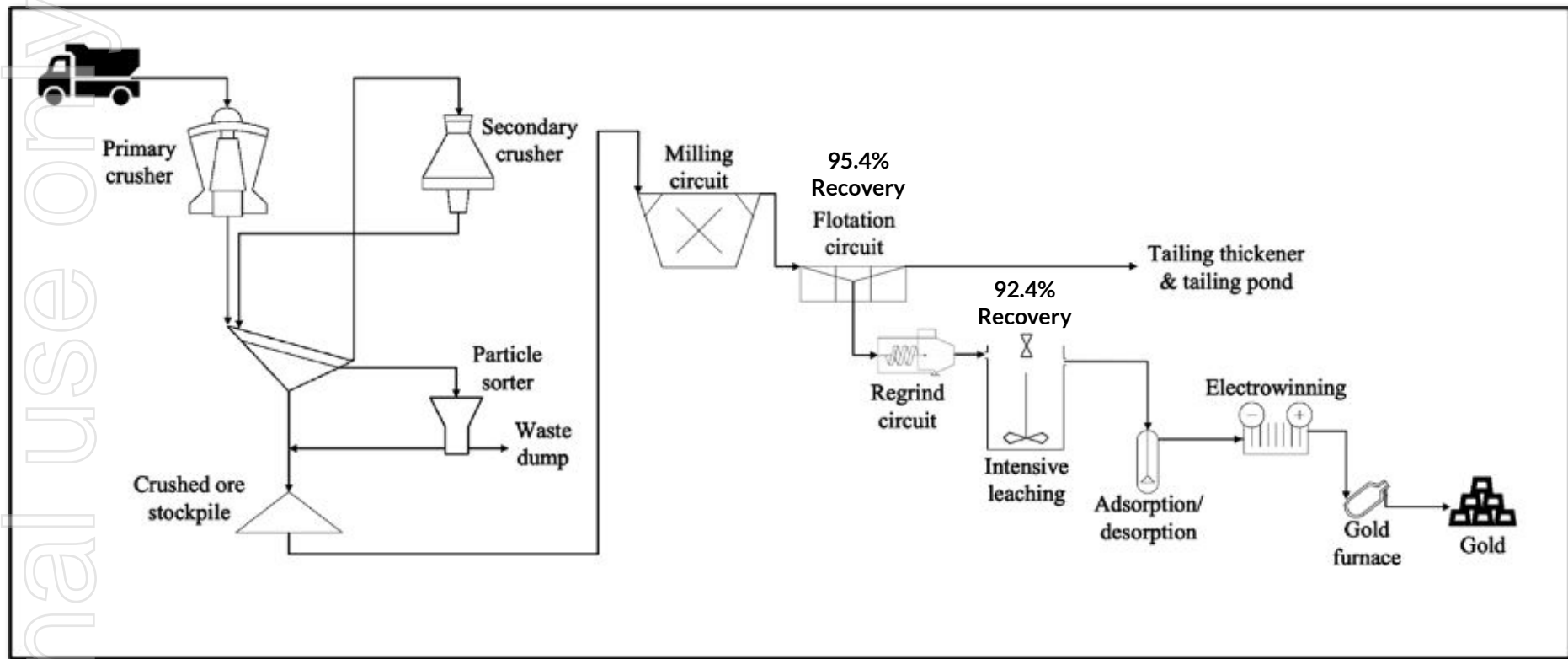
Typical Arsenopyrite sheeted vein in core from Korbelt Main



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

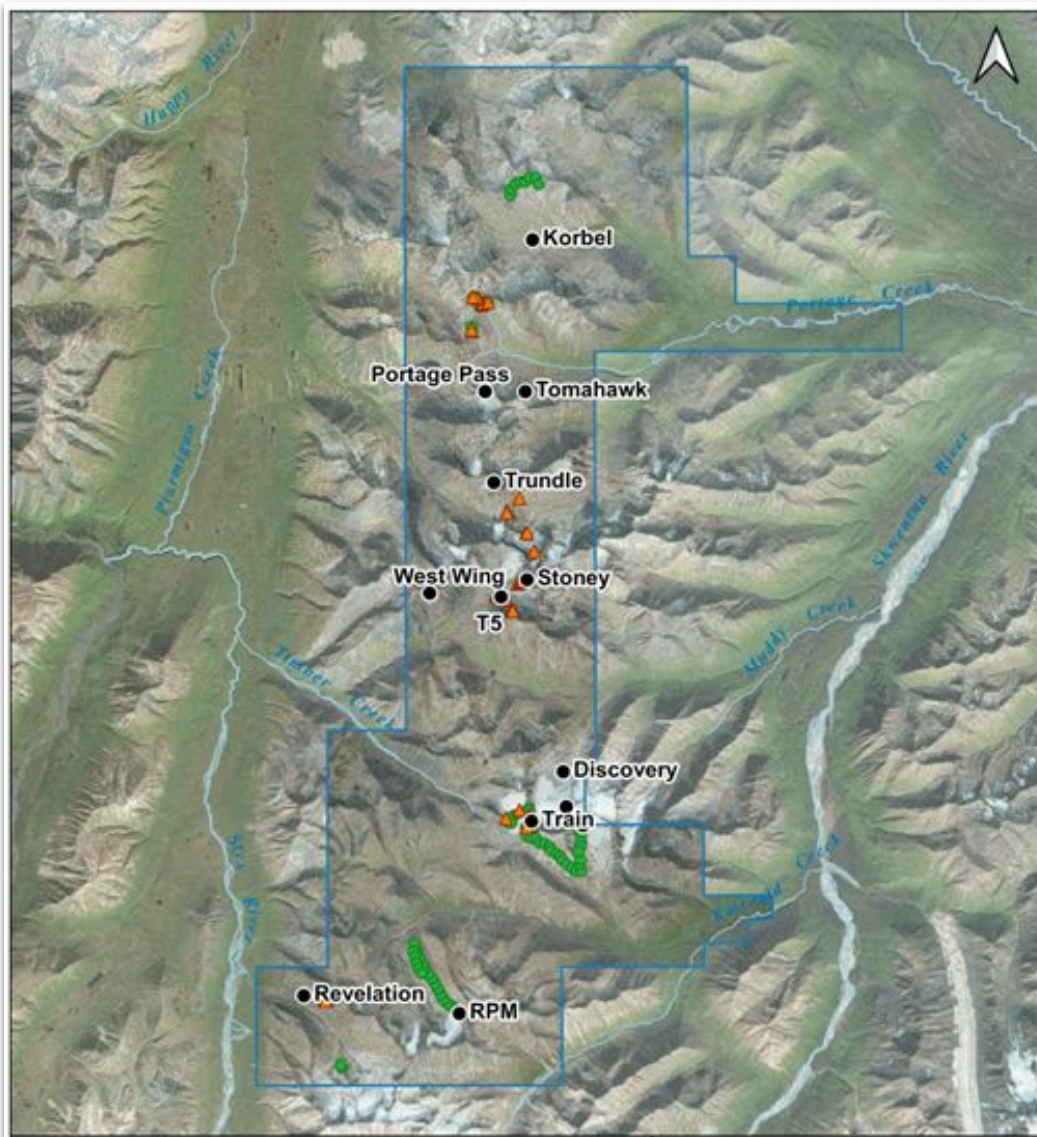


# Simplified Flow Sheet





# Estelle- A Major Gold District





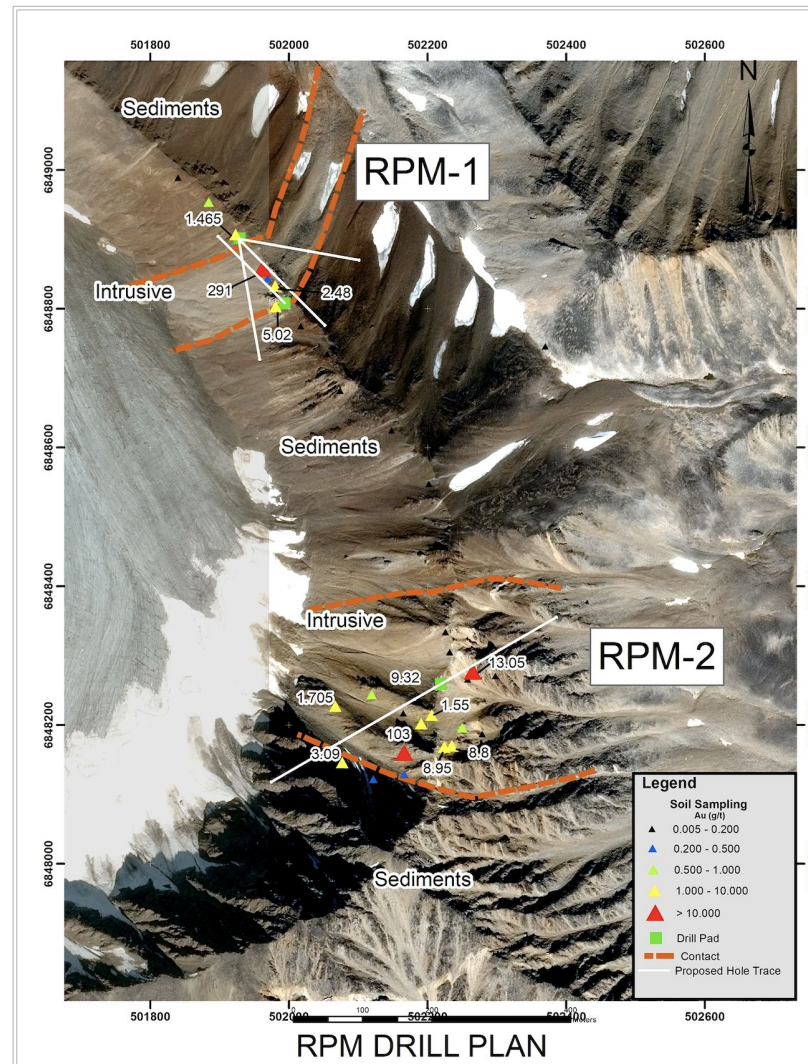
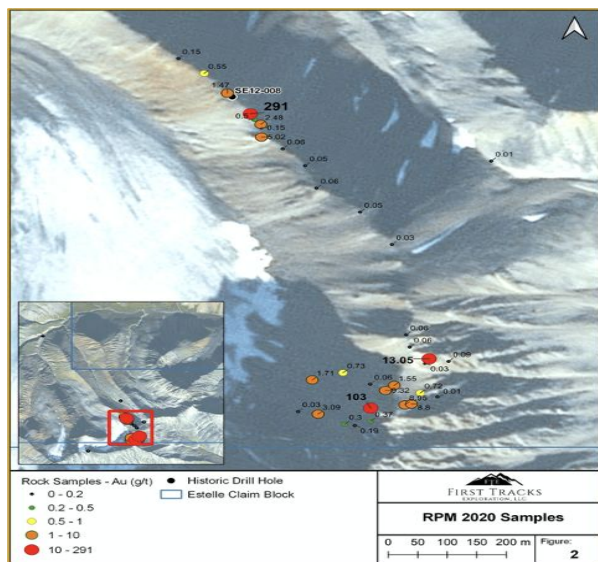
# RPM Prospect

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





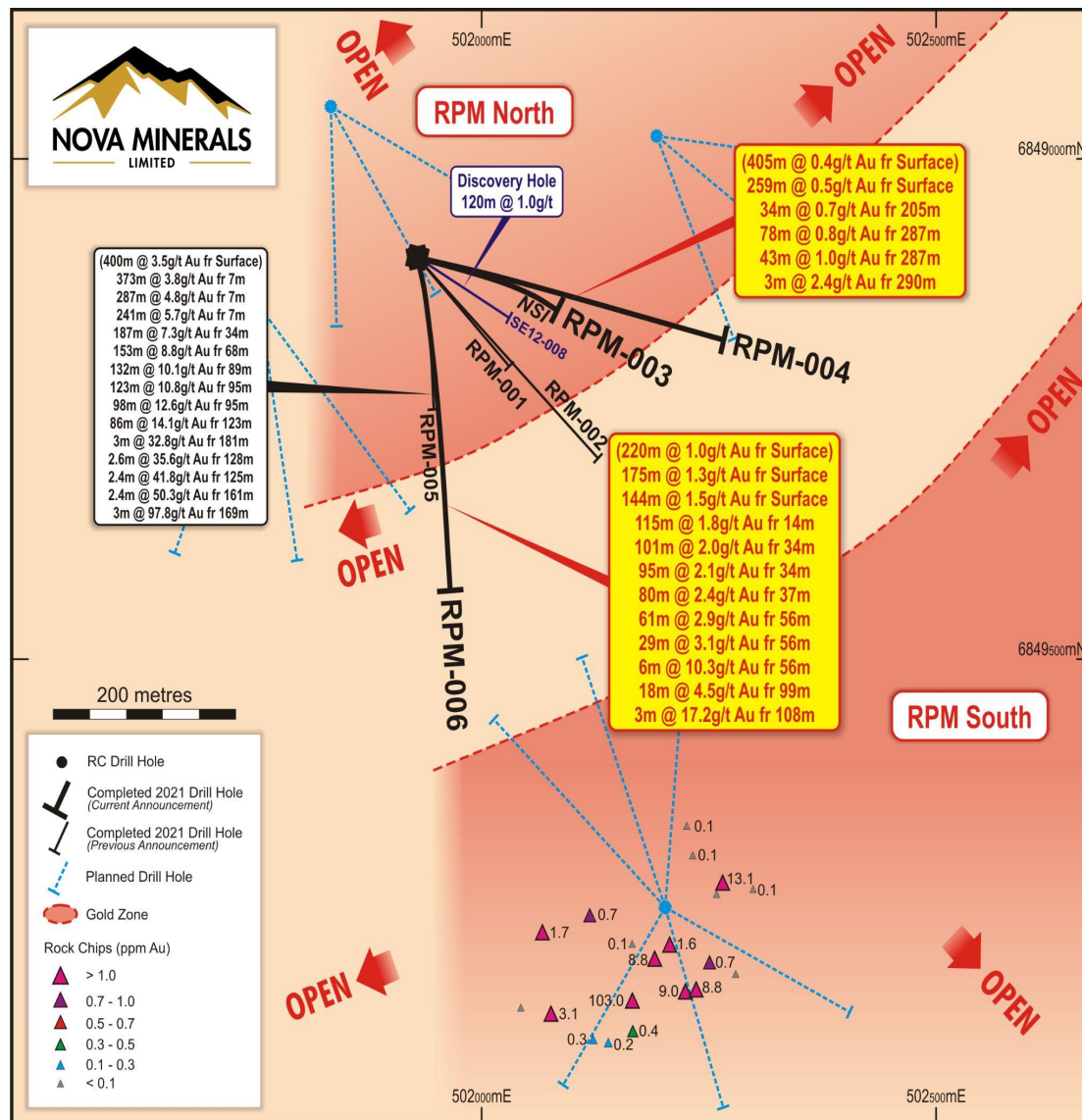
# RPM North & South Prospects - Bonanza Grades

(ASX: 11 October 2021)



## Bonanza Grades at RPM North Including 132m @ 10.1 g/t Au (400m @ 3.5 g/t Au from Surface)

- Broad zone of high-grade gold intersected in drilling at the RPM North Prospect of 400m @ 3.5g/t Au from surface
- Large Bonanza Grade IRGS system with **RPM Maiden Resource** due in short order
- RPM South drill ready and remains wide open
- Prospect has a higher than expected resource growth now anticipated in line with Nova's strategy of unlocking the Estelle Gold District





(ASX: 18 October 2021)

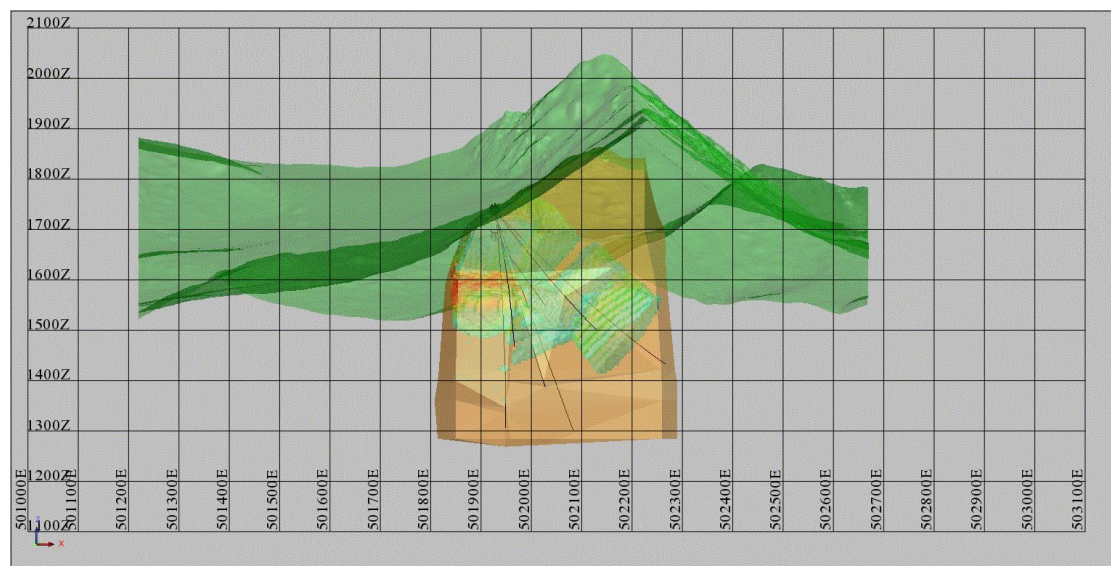




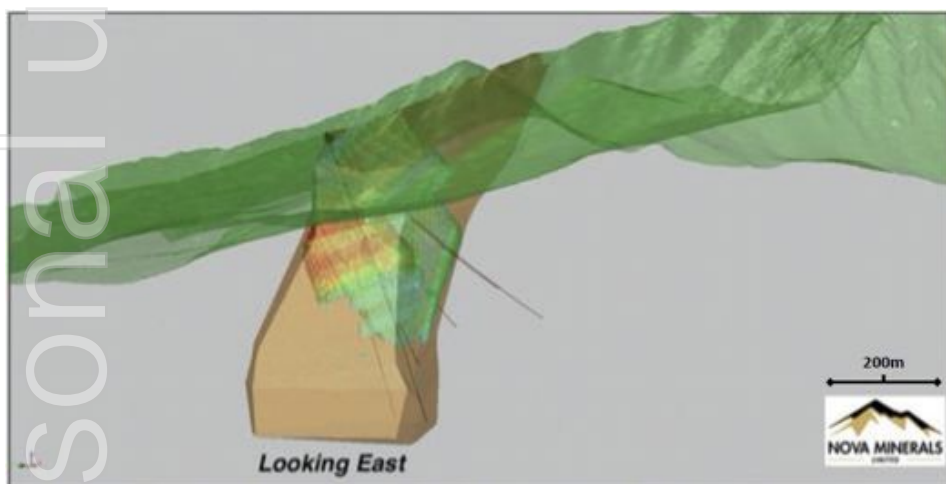
# RPM Maiden Resource 23.1 Mt @ 2.0g/t Au for 1.5 million ounces (Moz) Au

(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 Korbel 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

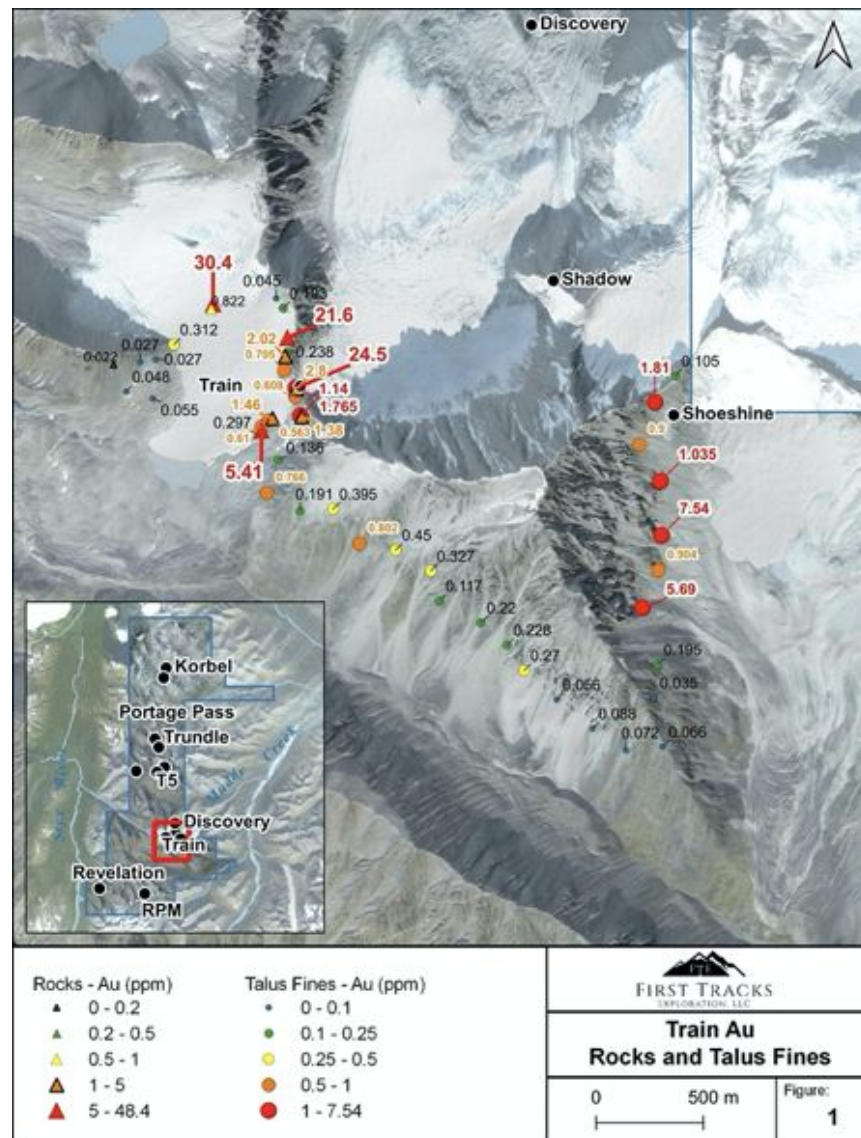
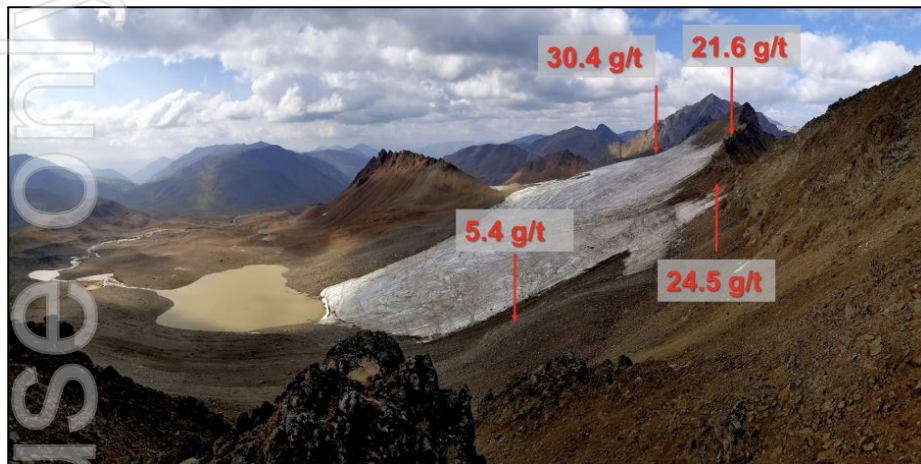


# Train and Shoeshine Prospects - Two Additional IRGS

(ASX:23 September 2021)

High-grade gold reconnaissance rock samples from the Train and Shoeshine Prospects include:

30.4 g/t, 24.5 g/t, 21.6 g/t, 7.5 g/t, 5.7 g/t, 5.4 g/t



Exploration mapping and sampling campaign confirms another large Intrusive Related Gold System (IRGS) exposed at surface with ~1km strike, 500m wide at Train and ~1km long at Shoeshine Prospects. Similar style of mineralization was also observed at nearby Shadow and Discovery interpreted to be part of the same mineralized system.



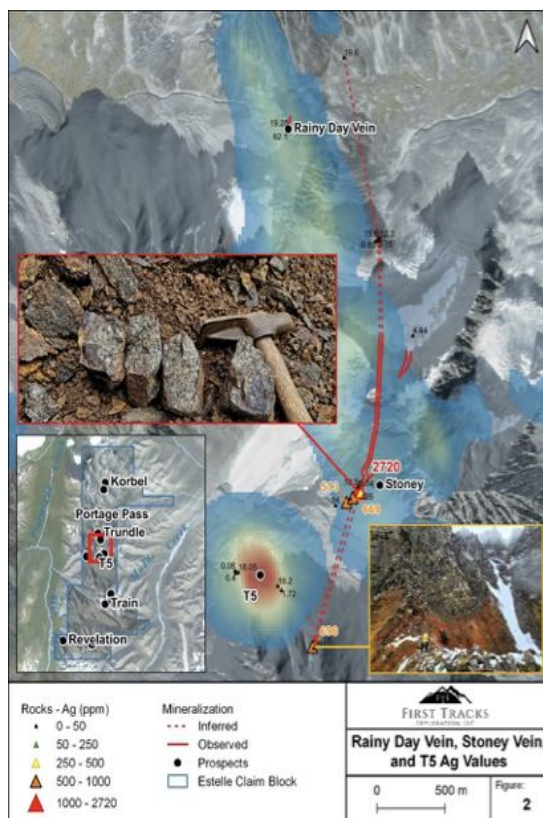
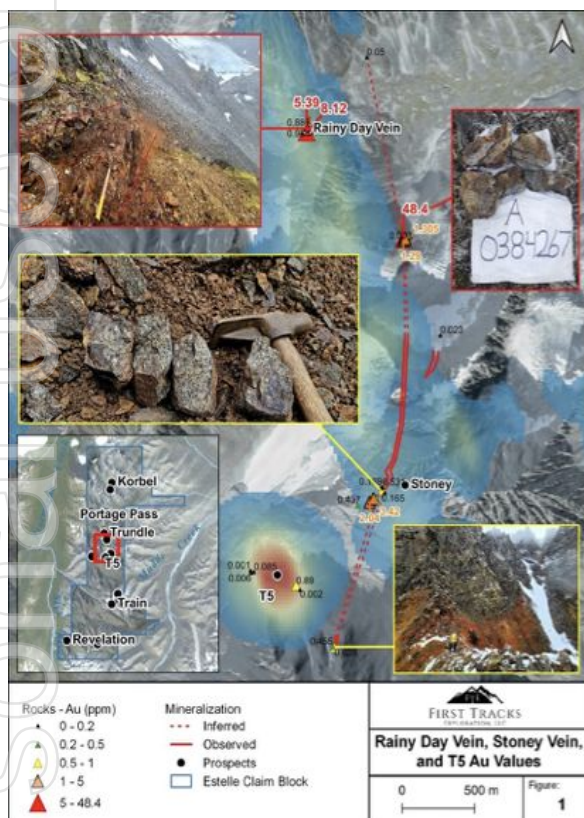
# Stoney Prospect - Extensive Polymetallic Vein System

(ASX: 20 September 2021)

Stoney Prospect delivers high grade Au, Ag, and Cu results in rock samples along an extensive outcropping mineralized zone within the Estelle Gold District

- High-grade reconnaissance rock chip samples from the Polymetallic Stoney Prospect include values up to:
  - 48.4g/t Au, 2720g/t Ag, 2.4% Cu

Exploration mapping and sampling campaign defines massive polymetallic mineralized vein at Stoney Prospect observed along ~4km of strike length, up to 10 meters wide, and >300m of vertical extent. Several stacked parallel vein structures and/or splays were also observed and sampled in the surrounding area, e.g. Rainy Day Vein.





# 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



# Year Round Camp Facility

Man Camp and Logging Facility Established





# On-Site Sample Preparation Lab

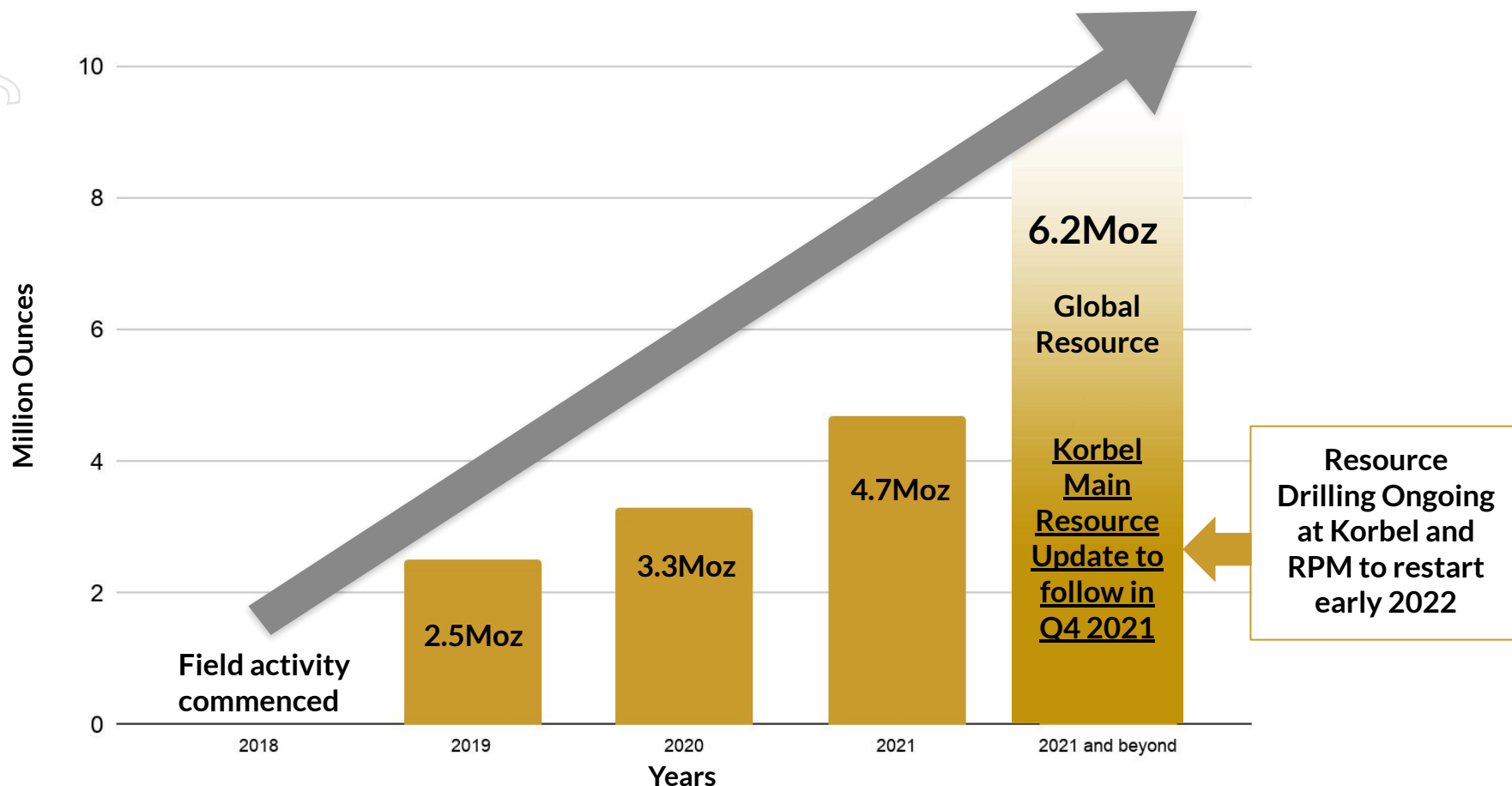
- Capacity to process up to 7,500 samples per month
- Significant cost savings
- Vastly improved assay turnaround time





# 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



# Investments - Positioned for Further Growth



SNOW LAKE LITHIUM

~57.52% owned

Nasdaq : LITM

<https://snowlakelithium.com>



TORIAN  
RESOURCES LTD

11.65% owned

ASX : TNR

<https://www.torianresources.com.au>



ROTORX

Aircraft Manufacturing Co.

9.9% owned

Pre-listing

<https://rotorxaircraft.com>

## Consultants and Service providers



TOMRA



ABH Engineering



FORTE  
DYNAMICS



FUTURE  
PROOF.



meglab



Manitoba  
Hydro



aggreko



YUKUSKOKON  
PROFESSIONAL SERVICES



ANDREW  
AIRWAYS



RUEN  
DRILLING  
Incorporated



DesertAir  
Alaska



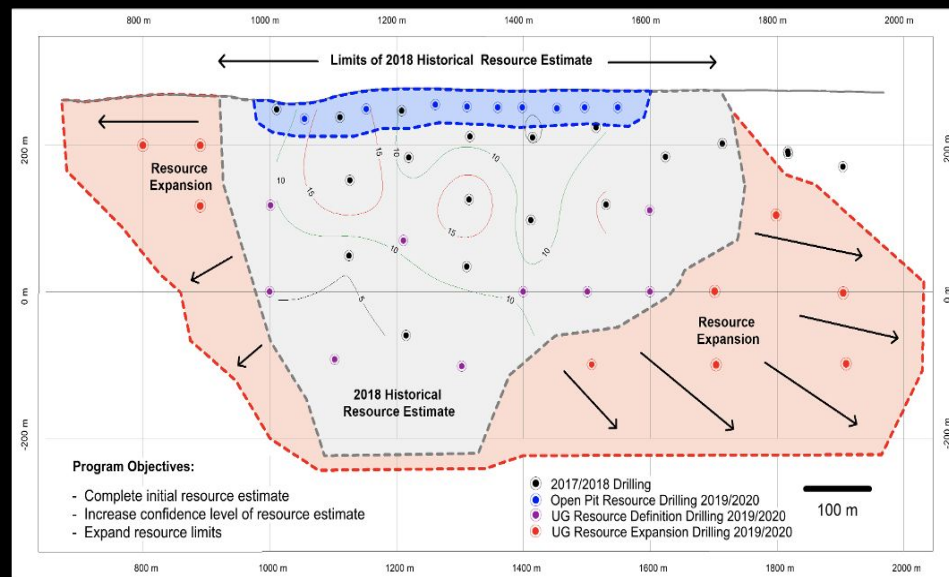
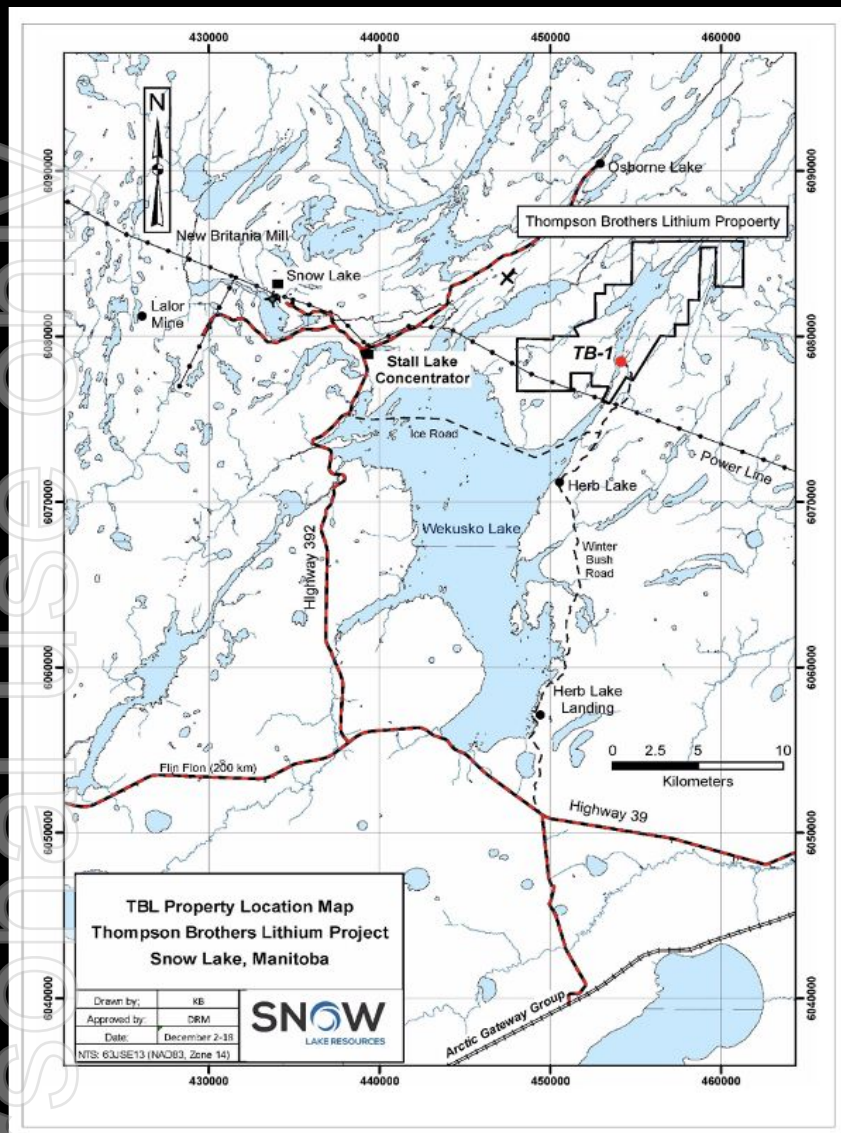
# SNOW LAKE LITHIUM

~57.52% owned

Snow Lake Lithium is committed to operating a fully renewable and sustainable lithium mine that can deliver a completely traceable, carbon neutral and zero harm product to the electric vehicle and battery market in North America. Strategically Located to Supply the US Auto Alley (ASX: 19 November 2021)







## Current Mineral Resource Estimate (ASX: 3 June 2021):

- Indicated Resource Estimate of 9.08 Mt @ 1.00 % Li<sub>2</sub>O using a cut-off grade and;
- Inferred Resource Estimate of 1.97 Mt @ 0.98 % Li<sub>2</sub>O using a 0 cut-off grade





# Investments - Positioned for Further Growth

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

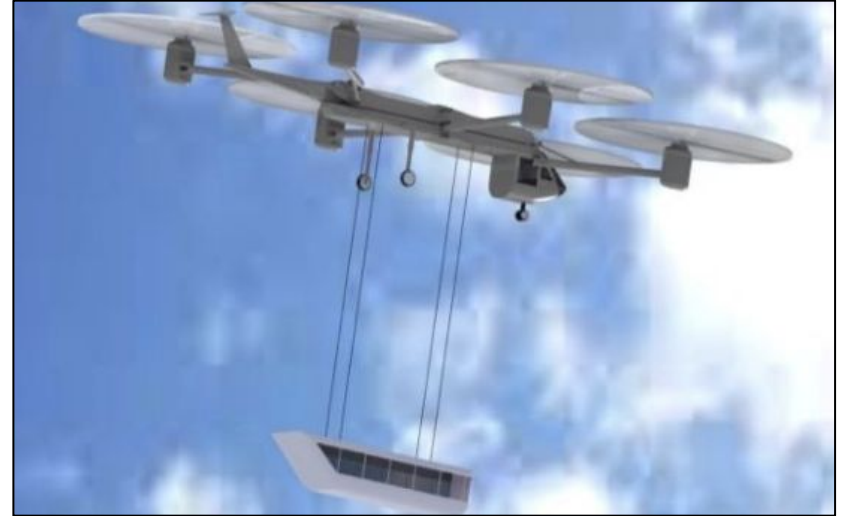


## Current Need for System:

- 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





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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:**

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