

# Estelle Project

Developing North America's next major gold and critical minerals district in Alaska



## ThinkEquity Conference

30 October 2024

ASX: NVA | NASDAQ: NVA | FRA: QM3

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

<sup>79</sup>  
**Au**  
Gold

<sup>51</sup>  
**Sb**  
Antimony

<sup>47</sup>  
**Ag**  
Silver

<sup>29</sup>  
**Cu**  
Copper

**CM**  
Critical Minerals

# Disclaimers



## Forward Looking Statements

All statements in this presentation, other than those relating to historical facts, are “forward-looking statements.” These forward-looking statements may include, but are not limited to, statements relating to our objectives, plans, and strategies; statements that contain projections of results of operations or of financial condition; statements relating to the industry and government policies and regulations relating to our industry; and all statements (other than statements of historical facts) that address activities, events, or developments that we intend, expect, protect, believe, or anticipate will or may occur in the future. Forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties. We have based these forward-looking statements on assumptions and assessments made by our management in light of their experience and their perception of historical trends, current conditions, expected future developments, and other factors they believe to be appropriate. Important factors that could cause actual results, developments, and business decisions to differ materially from those anticipated in these forward-looking statements include, among other things: the overall global economic environment; general market, political, and economic conditions in the countries in which we operate; projected capital expenditures and liquidity; changes in our strategy; government regulations and approvals; expectations regarding the potential mineralization, geological merit and economic feasibility of our property; expectations regarding exploration results at our property; mineral exploration and exploration program cost estimates; expectations regarding any environmental issues that may affect planned or future exploration programs and the potential impact of complying with existing and proposed environmental laws and regulations; receipt and timing of exploration permits and other third-party approvals; and government regulation of mineral exploration and development operations. The Company has filed a registration statement on Form F-1, as may be amended (Registration No.: 333-278695). Before you invest, you should carefully read the registration statement, including the factors described in the “Risk Factors” section of the Registration Statement and other documents that we have filed, and will subsequently file, with the Securities and Exchange Commission to better understand the risks and uncertainties inherent in our business and industry and for more complete information about us and the offering. You may get these documents for free by visiting EDGAR on the Commission’s website at [www.sec.gov](http://www.sec.gov). We caution you that forward-looking statements are not guarantees of future performance and that our actual results of operations, financial condition and liquidity, and the development of the industry in which we operate may differ materially from the forward-looking statements contained in this presentation as a result of, among other factors, the factors referenced in the “Risk Factors” section of the Registration Statement. In addition, even if our results of operations, financial condition and liquidity, and the development of the industry in which we operate are consistent with the forward-looking statements contained in this presentation, they may not be predictive of results or developments in future periods. This presentation shall not constitute an offer to sell or the solicitation of an offer to sell or the solicitation of an offer to buy any of our securities nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. Any offering of securities can only be made in compliance with applicable securities laws.

# Estelle – Gold & Critical Minerals Asset in Alaska

Differentiating Factor Grade and Scale – Development Optionality with Significant Upside (85% Owned)



## Jurisdiction

- Alaska, USA
- State of Alaska mining claims, streamlined permitting process



## District Scale

- 514km<sup>2</sup> of State of Alaska claims
- 35km long mineralized corridor



## Advanced Project

- Open pit
- Low strip ratio
- Feasibility studies commenced



## Infrastructure

- 80-person camp
- 4,000ft airstrip
- Sample lab
- Road & power underway



## Multiple Resources

- Large IRGS deposits
- 5.2 Moz Au US\$2,000 oz pit constrained S-K 1300 resource
- 9.9 Moz Au JORC global resource (ASX compliant)



## Target Minerals

- Gold, copper & silver
- Antimony & other critical minerals
- Gold ~ US\$2,500 oz
- Antimony ~ US\$25,000 mt



## Long Term Project

- Decades of potential production
- > 20 known prospects



## 90,000m Drilling

- Fully oriented HQ diamond drill core
- Thick, high-grade intercepts
- From surface

# The Estelle Gold Project

A District Scale Project in a Great Neighbourhood



- 35km long mineralized corridor on 514km<sup>2</sup> of State of Alaska Mining claims
- 2<sup>nd</sup> largest gold producing State in USA
- State has designated primary surface use for mineral development
- Alaska has a well-defined permitting pathway
- Alaska – Safe and rich mining jurisdiction



**LEGEND**

- Major gold mine or deposit
- **Nova priority projects**

\* Resource endowments sourced from the companies' websites and resource statements

\* Economic pit constrained resource. Refer Appendix 1

# Alaska - Tier 1 Mining Region

Close to Anchorage with Infrastructure Solutions in Place



## Location

- Located on State of Alaska public lands, 150km northwest of Anchorage
- 514km<sup>2</sup> of unpatented mining claims
- Alaska has a streamlined permitting process
- The Estelle Gold Project is fully permitted for exploration

## Access

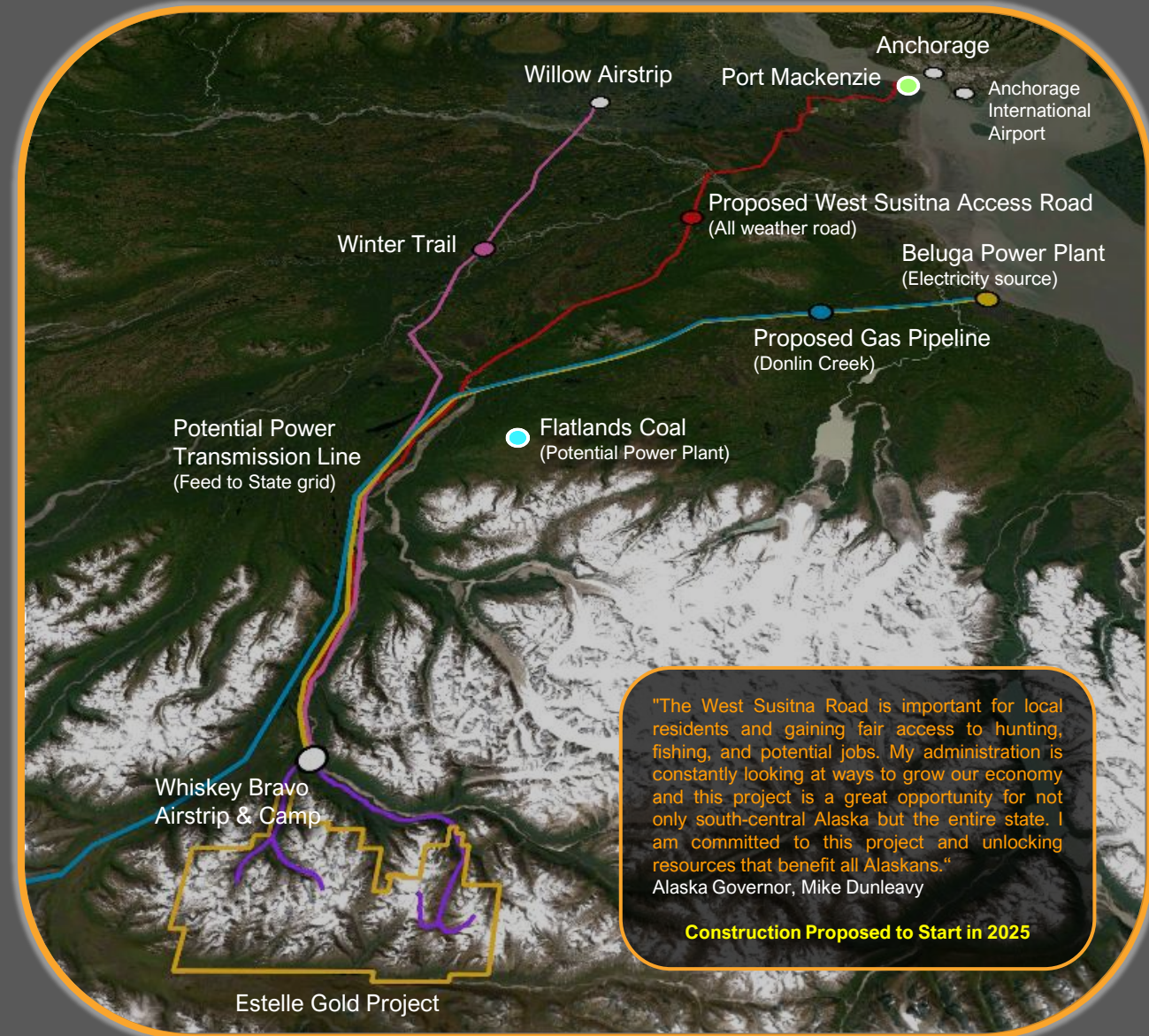
- Short flight from Anchorage or Willow to an all-season air strip
- Winter trail used to transport large and heavy equipment
- Proposed West Susitna Access Road has considerable government and community support
  - All weather road that will link the project to port, rail and road
  - 1<sup>st</sup> part of the road included in the DoT plan to break ground in 2025
  - AIDEA progressing the remaining portion of the road with studies for permitting to be completed in 2024

## Facilities

- 80 person fully winterized camp
- Onsite sample processing facility
- 4,000 foot all season airstrip which can facilitate large capacity DC3 aircraft

## Power – Numerous Options Being Investigated for the FS

- Link to the state grid or proposed Flatlands Coal power plant
- Offtake from the proposed Donlin gas pipeline
- Diesel generators
- Micro-nuclear reactor



# Estelle Gold Project

Targeting world class deposits with multiple resource centers across the single project. Over 20 potential prospects being progressively explored



Whiskey Bravō  
Airstrip & Camp



Potential Antimony-Gold  
Processing Plant

Key:

- Resource Deposit
  - Prospect – Resource Target
  - Prospect – Other
  - Potential Processing Plant
  - - - Proposed Access Road
  - - - Proposed West Susitna Access Road
- 1km

Korbel Main Deposit

Cathedral Deposit

Wombat

Stoney

Muddy Creek

Shoeshine

Trumpet

Train

RPM North  
Deposit

RPM South  
Deposit

RPM Valley

Korbel

Stoney

Train

Potential Gold  
Processing Plant

RPM

3D interactive presentation of the project is available at [www.novaminerals.com.au](http://www.novaminerals.com.au)

35km Long Mineralized Corridor

# Estelle Staged Development Options

Deferred Capital/Funding Early Production (Pending completion of studies)

Whiskey Bravo  
camp & airstrip

Potential Antimony-Gold  
Processing Plant

### 3. Stand Alone Antimony-Gold Starter Mine

- Quick start up, subject to DoD grant
- Low CAPEX
- Small footprint/quick permitting
- Early cashflow potential

Stibium

### 1. RPM Starter Mine

- High-grade from surface (Potentially 5g/t+ Au)
- 6-7 year initial LOM from RPM North
- Potential for expansion ie: RPM, Train, Regional
- Smaller footprint, Lower CAPEX, Nova funded
- Fast track to production and cashflow
- Scalable

### 2. Expanded Project – Korbelt + RPM + Regional

- Scalable
- Multi-decade mine life
- Multiple mining centers
- Multiple commodities (Au, Sb, Ag, Cu, CMs)
- Higher CAPEX, higher NPV & cashflow
- Significantly increased gold production
- Economies of scale – low AISC
- Nova growth and/or strategic partner funding

Korbelt

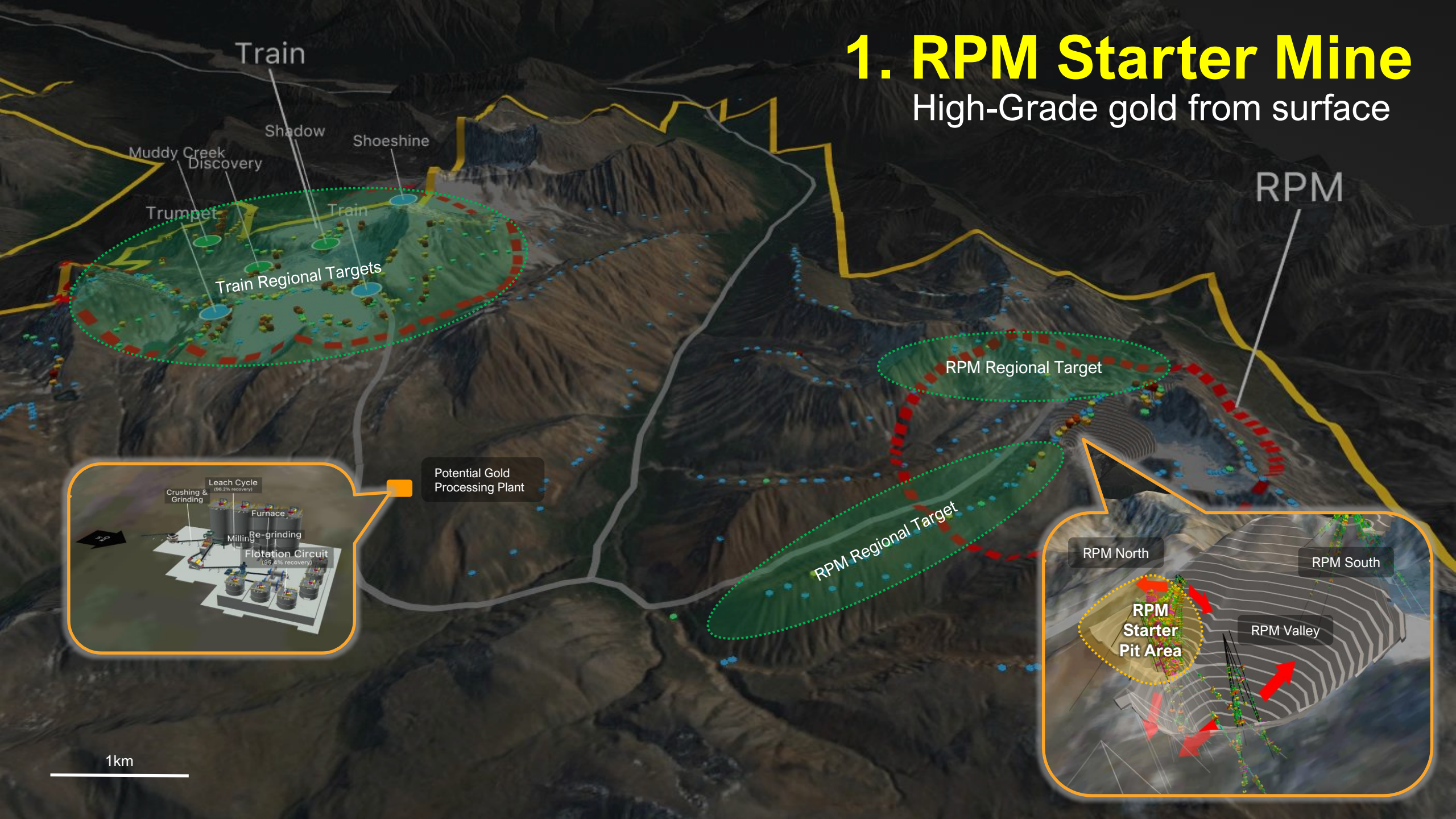
Potential Gold  
Processing Plant

Potential Gold  
Processing Plant

RPM

# 1. RPM Starter Mine

High-Grade gold from surface



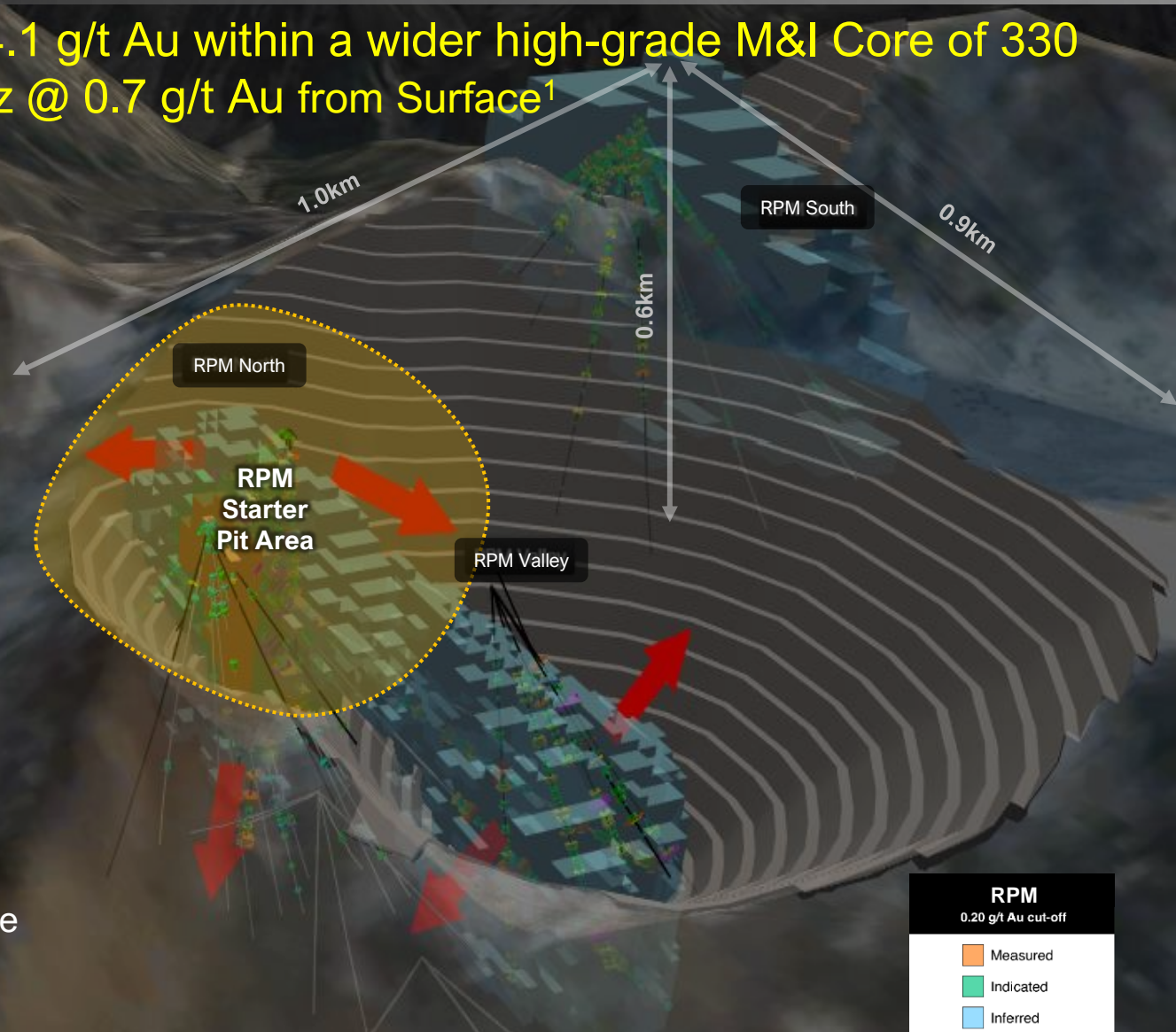


# RPM

## High-Grade Resource Starter Pit – From Surface and Remains Open

Super high-grade Measured core of 180 Koz @ 4.1 g/t Au within a wider high-grade M&I Core of 330 Koz @ 2.4 g/t Au and a total resource of 1.13 Moz @ 0.7 g/t Au from Surface<sup>1</sup>

- RPM North
  - RPM Valley
  - RPM South
- Geological indications show all 3 areas are potentially genetically linked
- ~7,600m (40 holes) from the 2023 and 2024 drilling not included in the current MRE (MRE Update late 2024)
    - Numerous holes drilled outside the current MRE model
    - Close spaced drilling expected to increase the M&I categories for the FS
  - Current FS test work indicates the pit slope angles can potentially be increased > 50 degrees
  - FS test work also investigating the potential to heap leach the lower grade ore from RPM with agglomeration
  - Investigating various ore transport options including, trucks, conveyors, cable ways, chutes
  - Drilling at RPM in 2024 focused on growing and proving up the measured and indicated resource to ore reserves for the FS

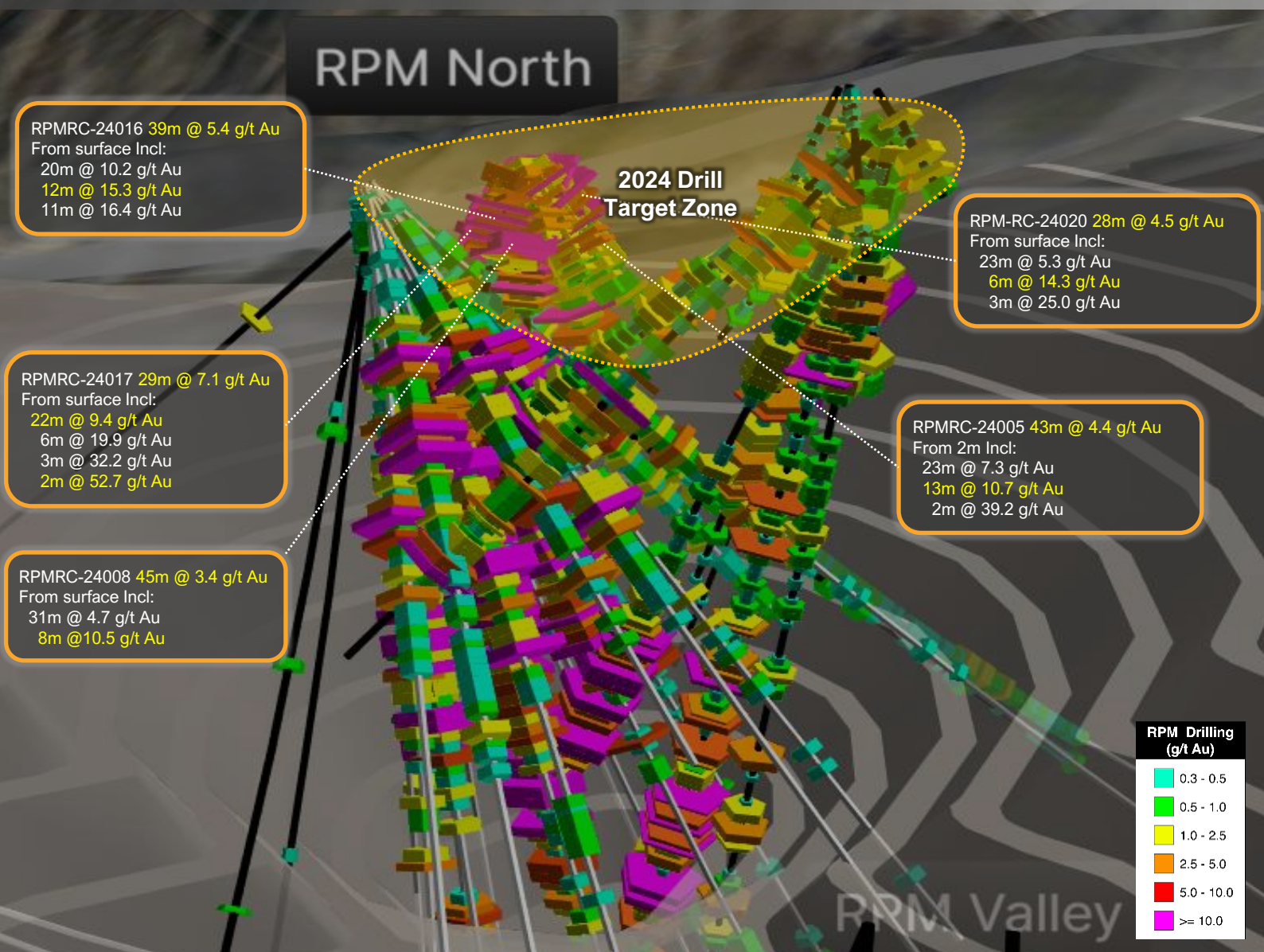


<sup>1</sup> Economic pit constrained resources compliant to JORC and S-K 1300 standards. Refer to Appendix 1

# RPM Exploration – 2024 Drill Results

## Thick High-Grade Gold Drill Intercepts Extending Mineralization to Surface

- 2024 drilling focused on near surface mineralization < 50m depth to support the RPM starter mine
- Over 20 significant broad intercepts from surface grading > 5 g/t Au with a high of 52.7 g/t Au
- Results prove high-grade gold mineralization greater than 2 g/t Au extends to surface above the current Measured (180,000 oz @ 4.1 g/t Au) and Measured and Indicated (330,000 oz @ 2.4 g/t) high-grade core within the existing RPM North resource area
- All holes ended in mineralization
- Extensive surface sampling program conducted in the RPM Regional Area, with assays pending

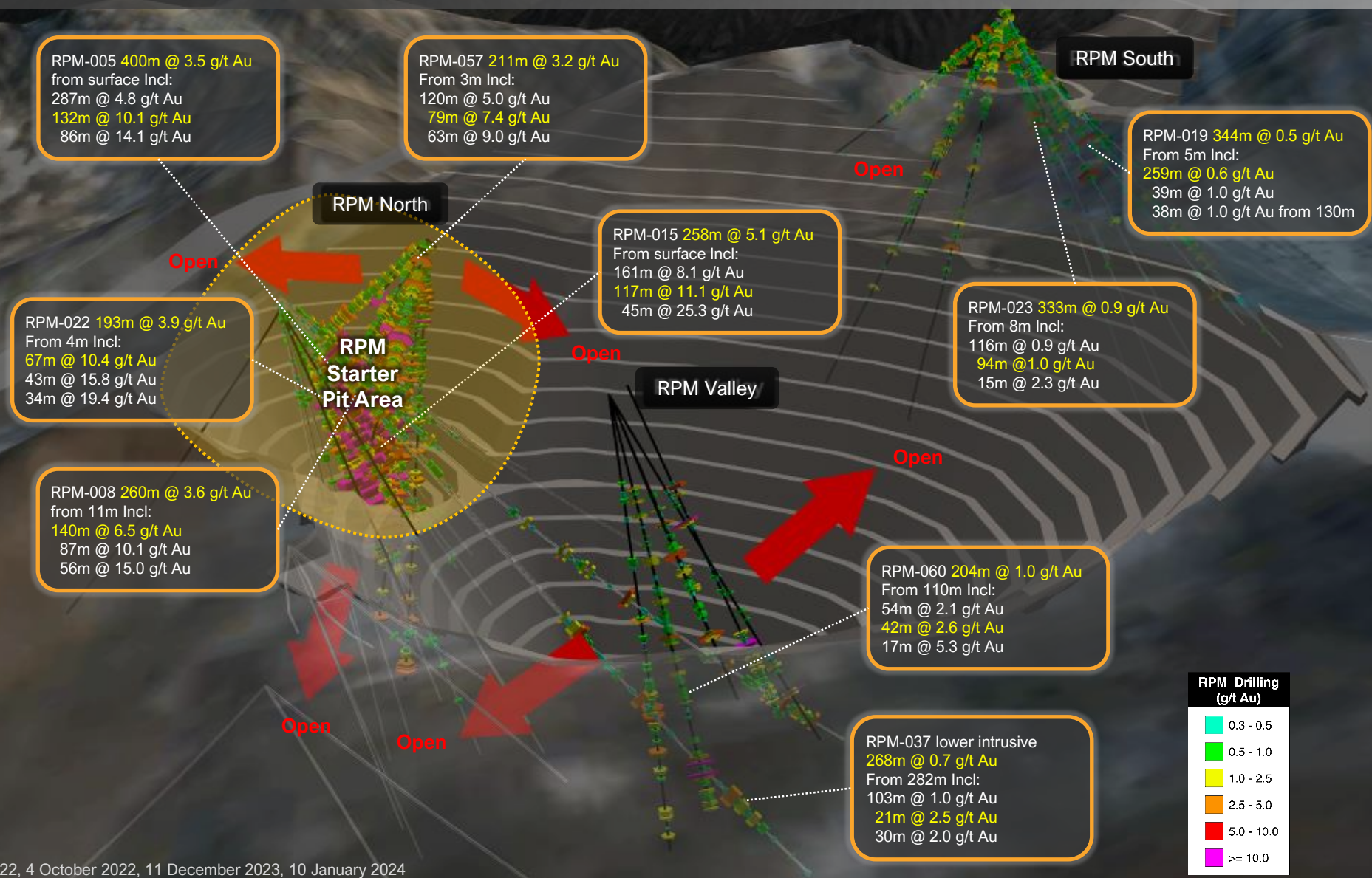


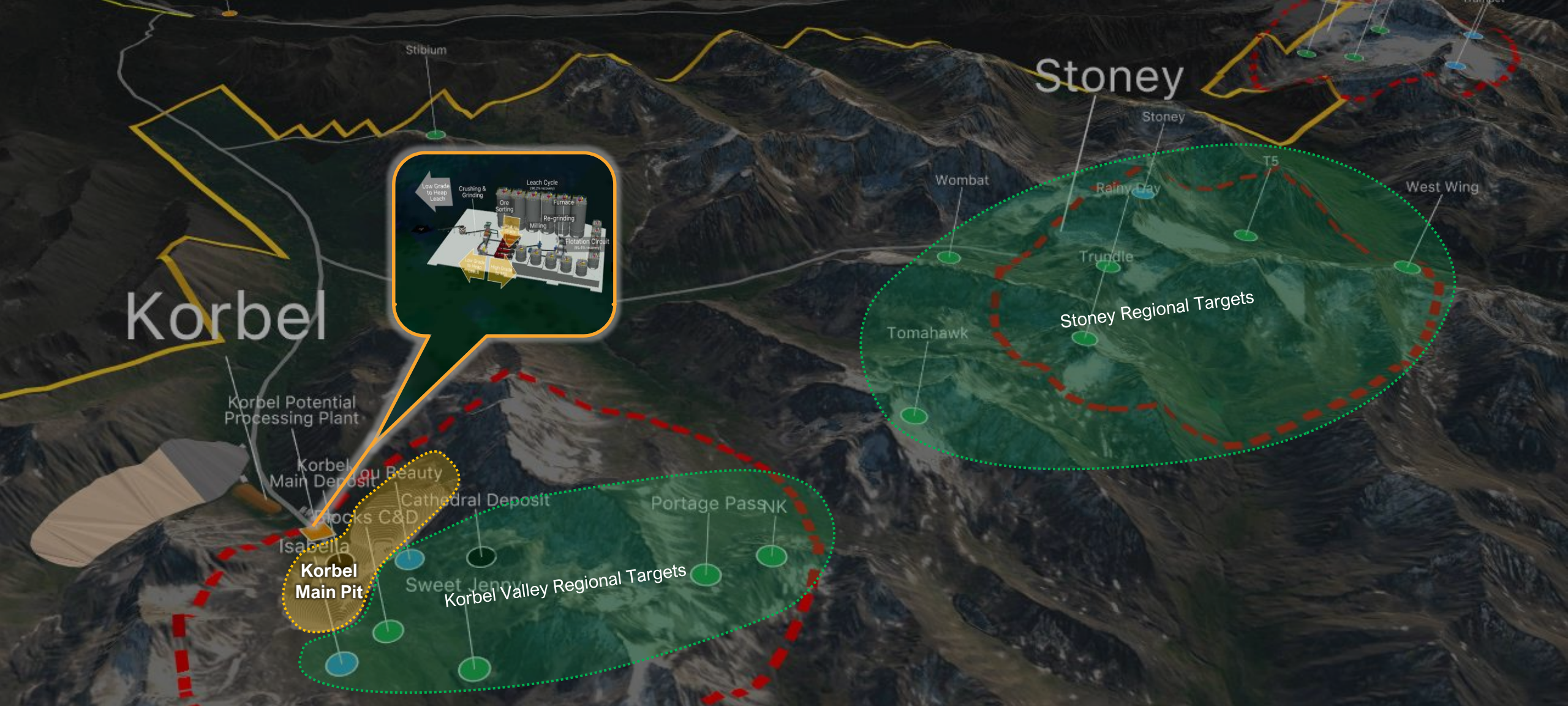
# RPM Drilling – Pre 2024 Results



## World Class Thick High-Grade Gold Drill Intercepts

- 67 holes, ~20,000m drilled to date, most assayed for multi-elements
- Broad zone of continuous high-grade gold, from surface
- Mineralization remains wide open
- Numerous gold zones already identified
- Resource upside exists to the North of the current drilling where further high-grade surface samples have been discovered on the ridgeline.





## 2. Expanded Project – Korbel + RPM + Regional

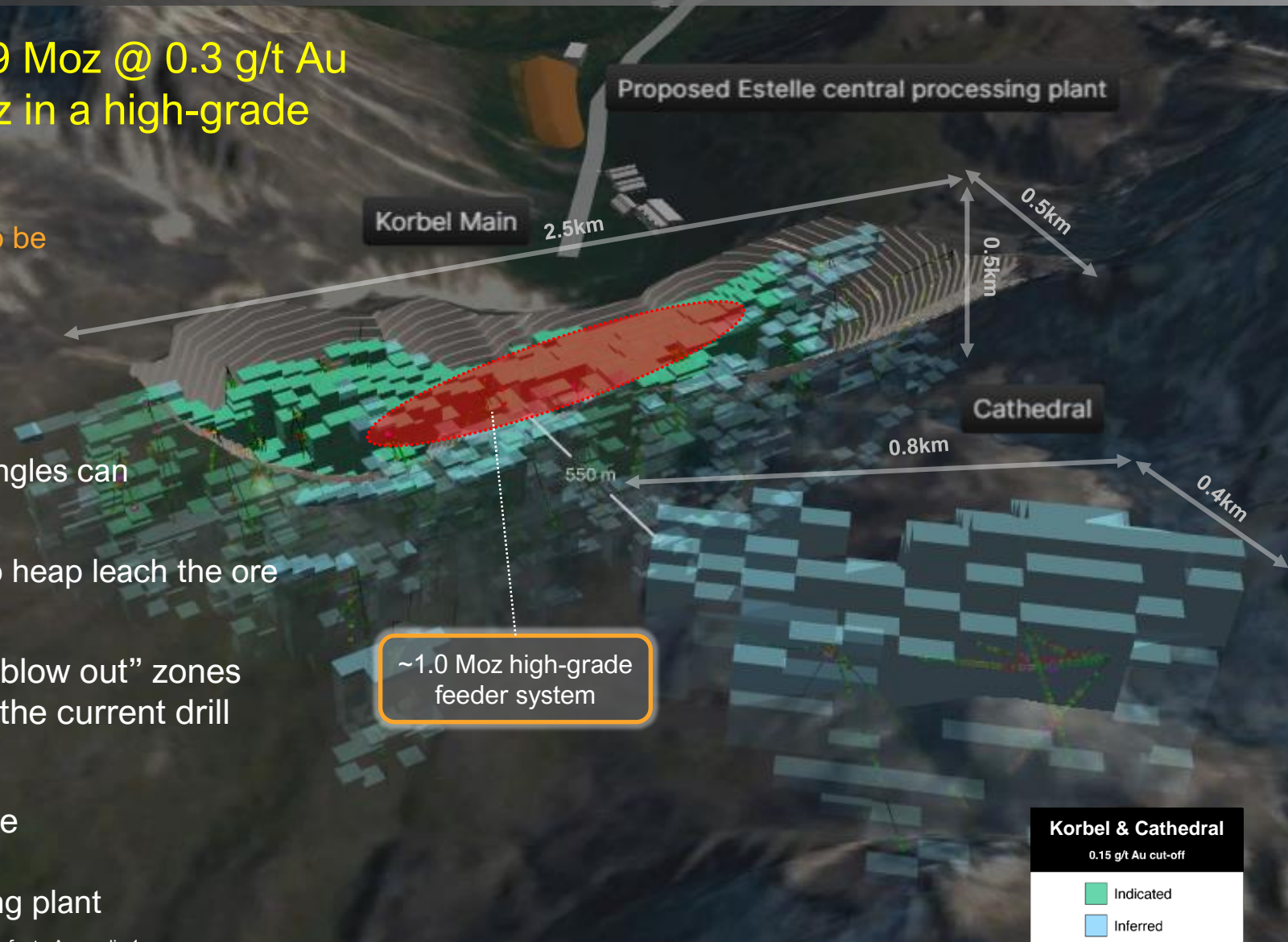
Scalability - Large project for both gold and critical minerals with a pipeline spanning decades of potential production from over 20 known prospects

# Korbel

Bulk Tonnage Gold – Big, Low Strip, Large Selective Mining Potential, Low Unit Cost, Open Pit

4.05 Moz @ 0.3 g/t Au, Including 2.39 Moz @ 0.3 g/t Au Indicated from surface, with ~1.0 Moz in a high-grade feeder system<sup>1</sup>

- Korbel Main } 550m apart with the potential to be genetically linked
- Cathedral }
- All deposits from surface and remain open
- Low strip ratio 0.76:1
- Current FS test work indicates the pit slope angles can potentially be increased > 50 degrees
- FS test work also investigating the potential to heap leach the ore using agglomeration
- Cathedral has indications for higher grade “blow out” zones within the core of the mineralization above the current drill results
- Environmental studies at an advanced stage
- Proposed site for the Estelle central processing plant

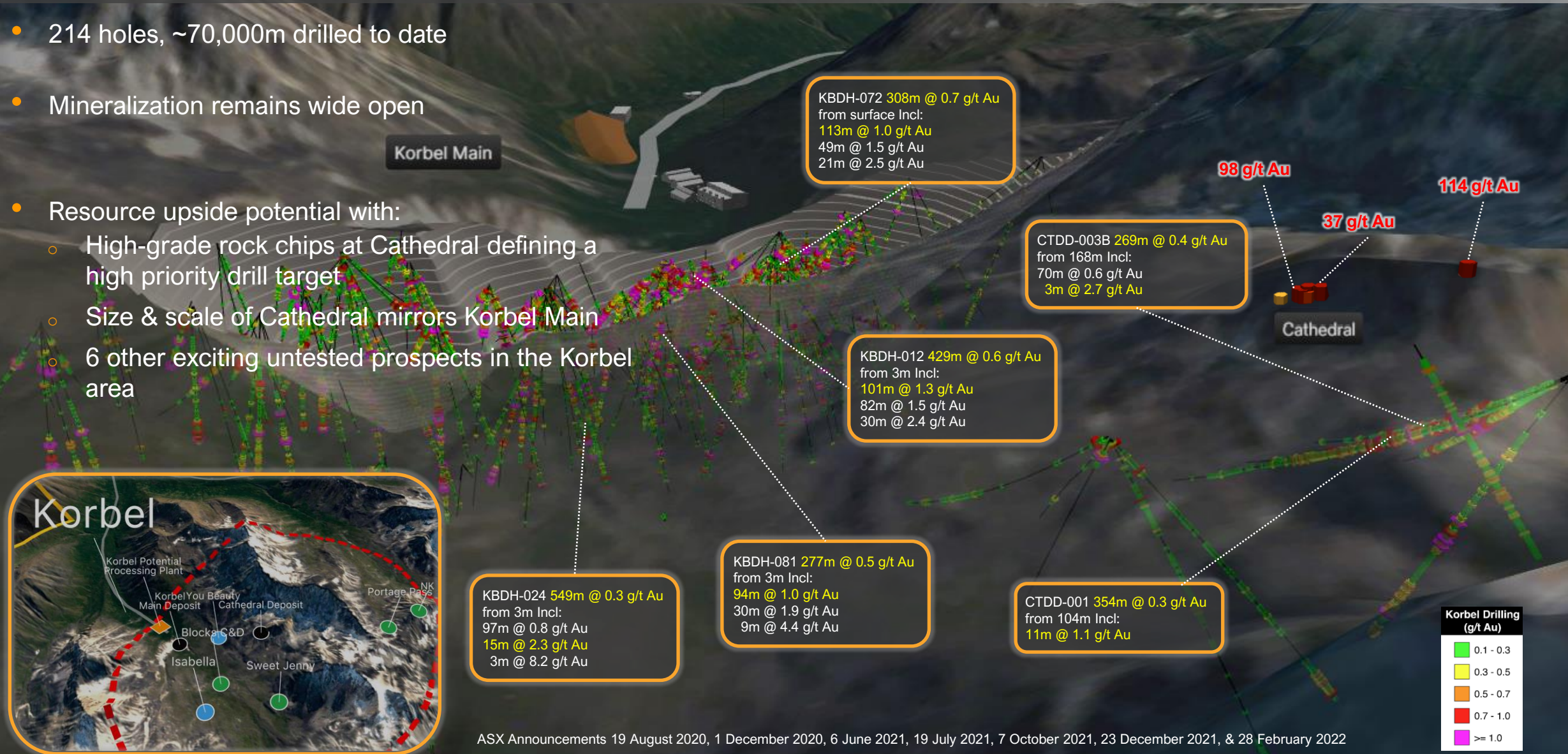


<sup>1</sup> Economic pit constrained resources compliant to JORC and S-K 1300 standards. Refer to Appendix 1

# Korbel

## Bulk Tonnage Gold with Thick Intercepts from Surface

- 214 holes, ~70,000m drilled to date
- Mineralization remains wide open
- Resource upside potential with:
  - High-grade rock chips at Cathedral defining a high priority drill target
  - Size & scale of Cathedral mirrors Korbel Main
  - 6 other exciting untested prospects in the Korbel area



Korbel Drilling (g/t Au)	
Green	0.1 - 0.3
Yellow	0.3 - 0.5
Orange	0.5 - 0.7
Red	0.7 - 1.0
Purple	>= 1.0

Stibium

High-Grade Antimony & Gold Samples

Proposed access road to Stibium

Proposed access road to Korbel

### 3. Stand Alone Antimony-Gold Starter Mine

High-Grade Antimony-Gold from surface samples



Whiskey Bravo Airstrip & Camp

Potential Antimony-Gold Processing Plant



# Stibium

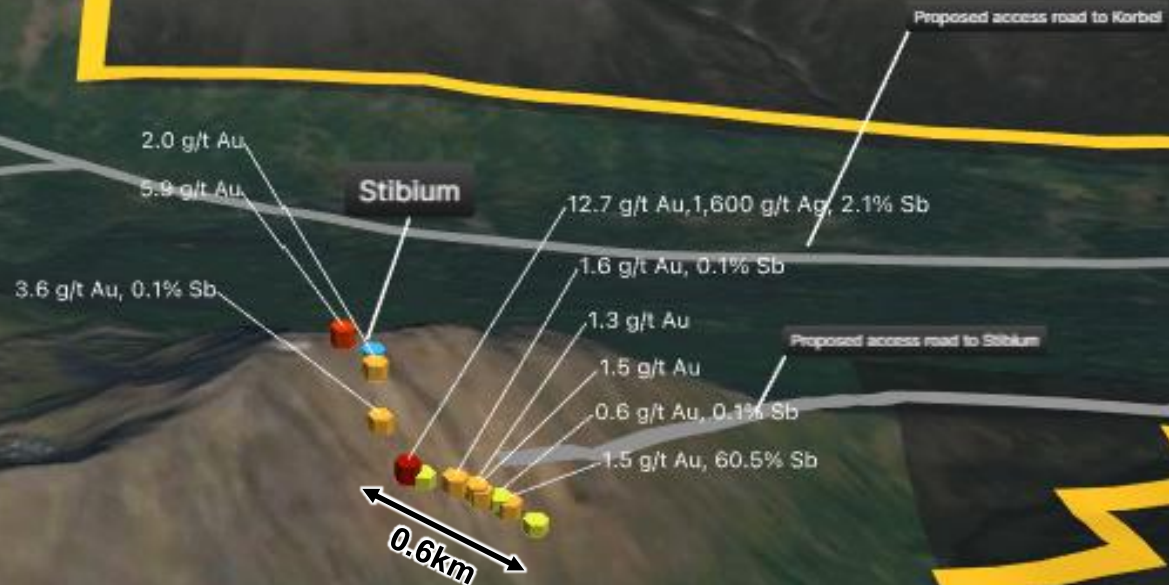
High-Grade Gold & Antimony in Close Proximity to Korbel & the Camp

Korbel



## Stibium Surface Sampling Results

- High-grade Antimony coincident with Gold with a high of 12.7 g/t Au and 60.5% Sb (Antimony)
- 2m wide surface outcropping containing stibnite with over 30m in strike length
- Nova is currently investigating a potential small-scale starter mine for antimony at the Stibium prospect to create a concentrate for US domestic supply and potential early cashflow – Subject to DoD funding
- With a minimal impact and footprint required, a streamlined rapid permit process is possible
- Extensive surface sampling program conducted at Stibium in 2024, focusing on antimony, gold and other critical minerals, with assays pending



## Rock Chip Sampling - Au g/t

0 - 0.2 Au
0.2 - 0.5 Au
0.5 - 1.0 Au
1.0 - 5.0 Au
> 5.0 Au



# Antimony and Other Critical Minerals



## Coincident with the Gold at Estelle

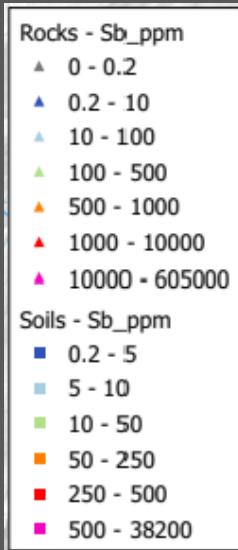
### Strong Interest Shown in Estelle's Antimony and CM Potential

- Antimony is a scarce element – Stibnite is the only commercially mined source for antimony and its coincident with gold at Estelle
- China recently announced it is limiting antimony export. US currently has no domestic supply but wants to shore up its antimony and other CM supply chains. = Opportunity for potential US government grants to explore further
- Potentially significant bi-product credits. Commenced scoping level metallurgical studies on antimony and critical minerals processing in the flow sheet
- Currently investigating a potential small-scale starter mine for antimony at the Stibium prospect to create a concentrate for US domestic supply and potential early cashflow
- Also evaluating different approaches to upgrade the downstream processing of antimony and CM to secure the supply chain for the US
- The University of Alaska Fairbanks (UAF), a grantee under the Department of Energy (DoE) CORE CM program is tasked with commercializing CM in Alaska with the Estelle Project now included as a partner in the program
- Through trips to both Washington DC and Juneau, the Company has already built strong relationships with various federal and state government departments and bodies to present Nova as a potential domestic partner to supply the US with antimony and CM , while also actively pursuing grant opportunities to progress development of its antimony and CM resources at Estelle
  - Nova's CEO has attended numerous munitions conferences to pursue DoD and industry collaboration
- Future Market Insights forecasts that the global antimony market is likely to be worth \$4.5 billion by 2032, growing at a 4% CAGR from 2022 to 2032



# Antimony at Estelle

Many Surface Samples Discovered > 0.1% Sb (>0.1% Sb considered high-grade)



# Significant Exploration Upside Potential

To Date < 5% of the 514km<sup>2</sup> Property has been Explored



## 35km long mineralized intrusive corridor

Gold, and highly elevated concentrations of Silver, Copper, Antimony and Other Critical Minerals (CM) have also been discovered across the project

### Korbel

- 6 exciting gold targets within close proximity to the proposed Estelle central processing plant
- High-grade rock chips samples up to 114 g/t Au discovered at Cathedral

### Stoney

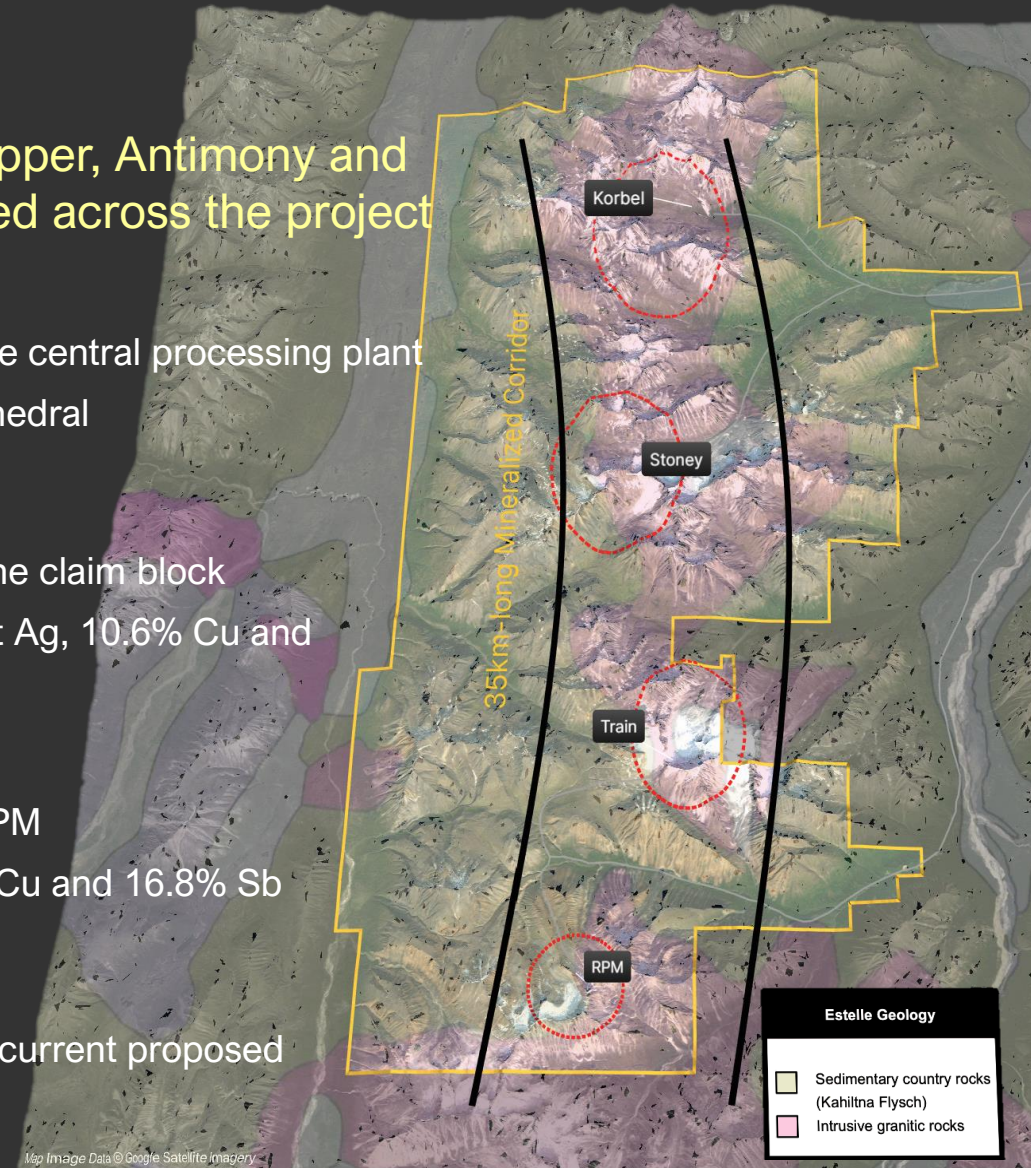
- 7 exciting gold and multi-element targets in the central portion of the claim block
- High-grade polymetallic rock samples include 78.5 g/t Au, 2,720 g/t Ag, 10.6% Cu and 1.3% Sb (Antimony)

### Train

- 6 exciting gold and multi-element targets located ~6km north of RPM
- High-grade rock samples include 1,290 g/t Au, 1,945 g/t Ag, 6.7% Cu and 16.8% Sb

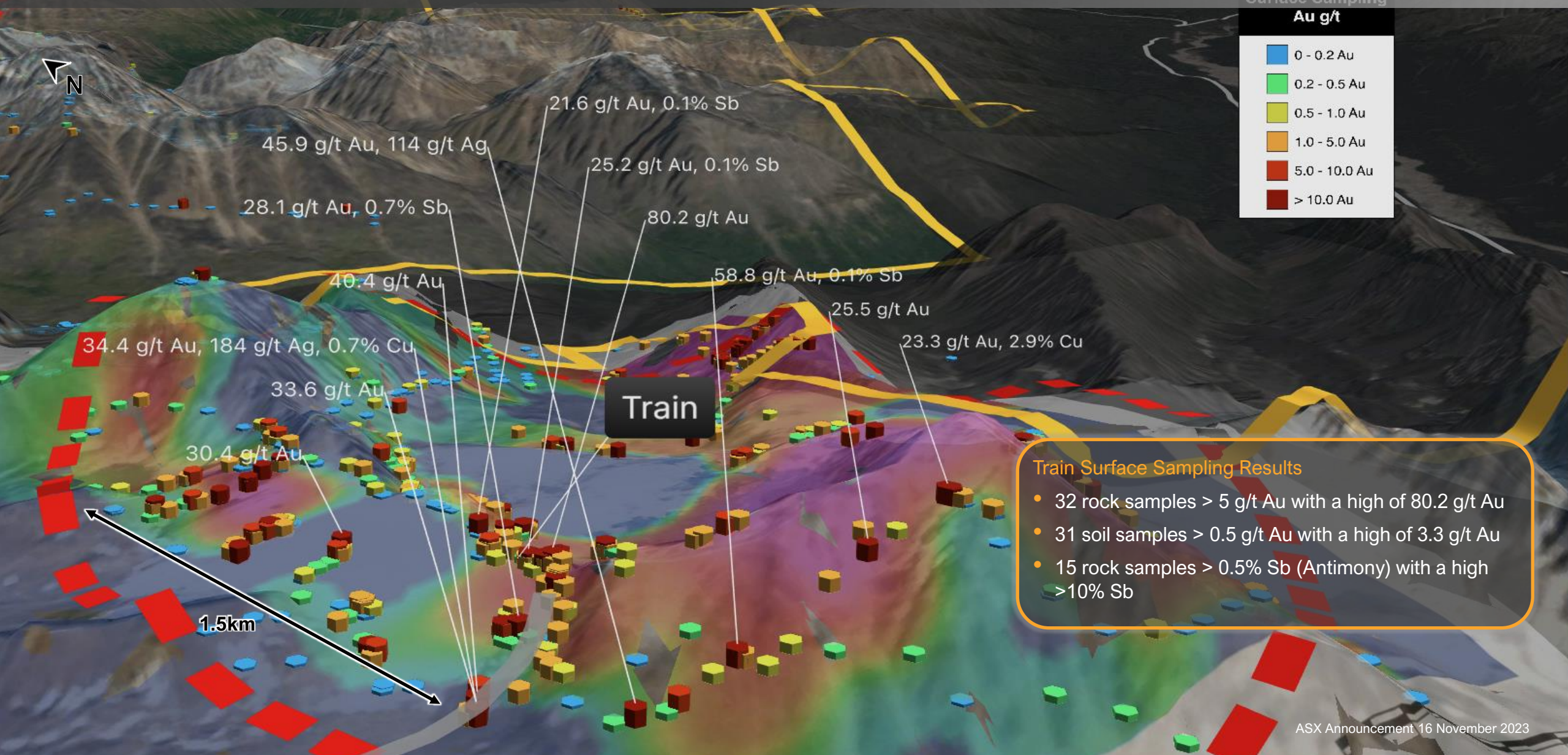
### RPM

- High-grade rock samples up to 356 g/t Au discovered north of the current proposed RPM Pit



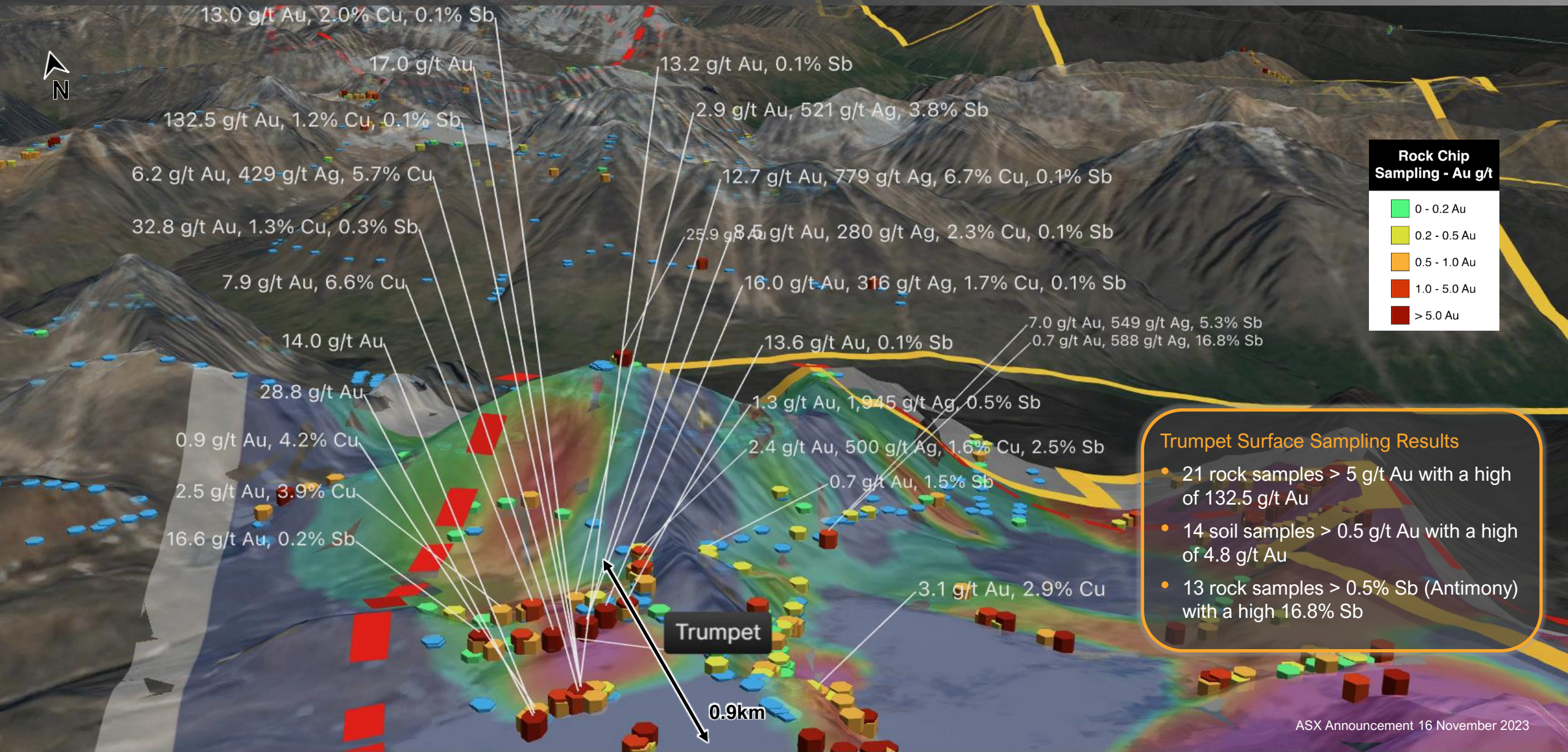
# Train

## Antimony and Other CM's Coincident with High-Grade Gold



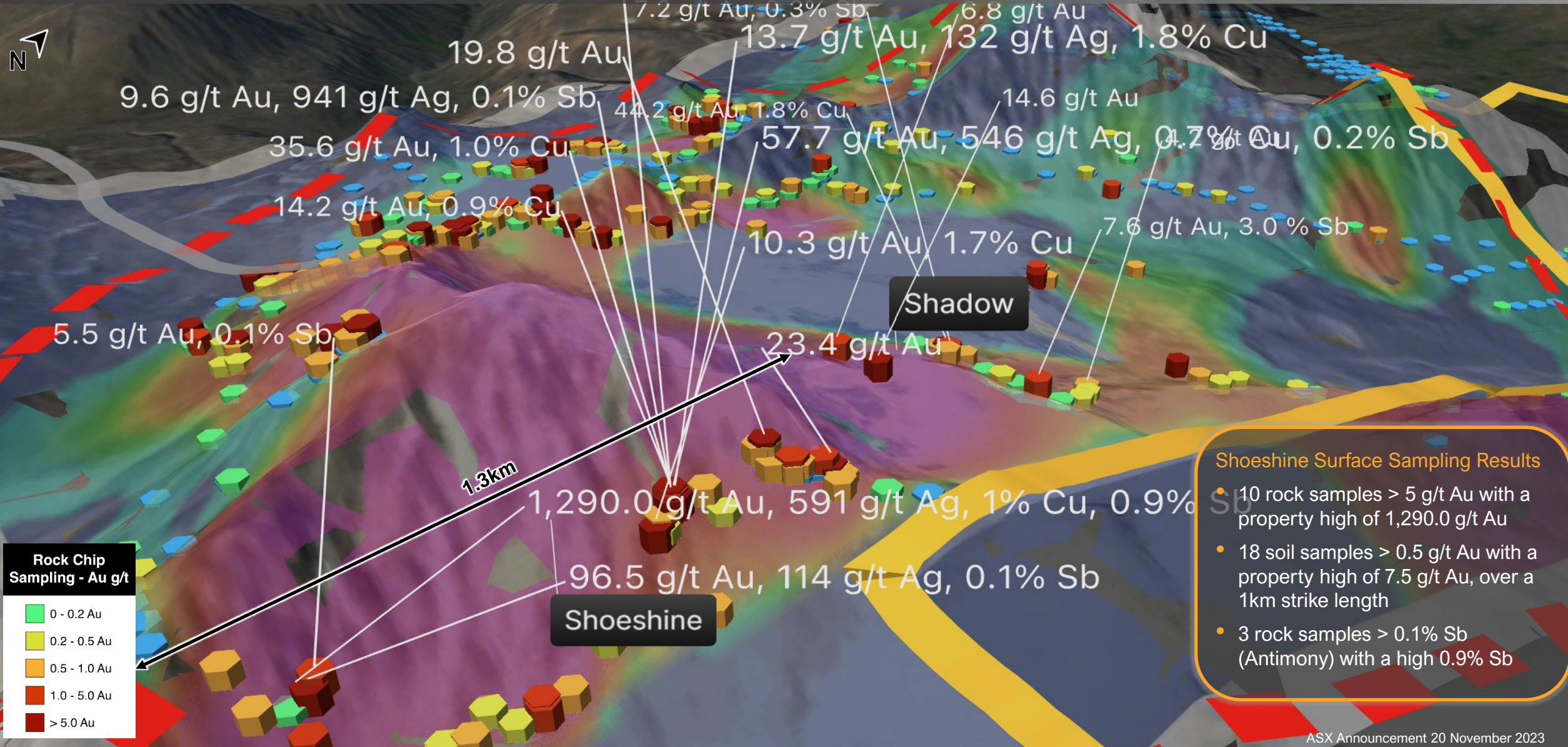
# Trumpet

Further High-Grade Antimony & Other CM, Copper, & Silver Coincident with High-Grade Gold



# Shoeshine

## Abundant Antimony Enriched Style Gold Mineralization



**Rock Chip Sampling - Au g/t**

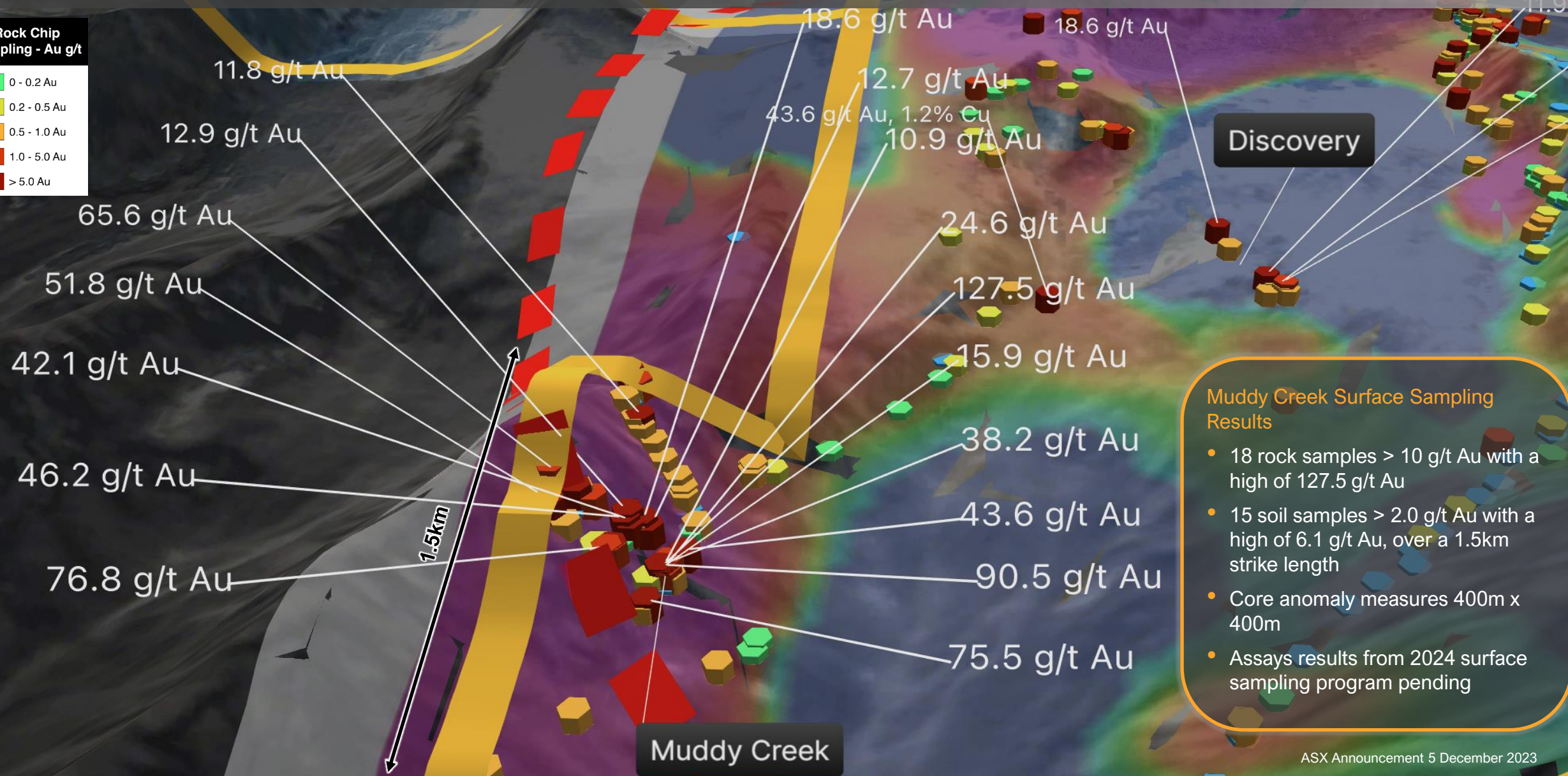
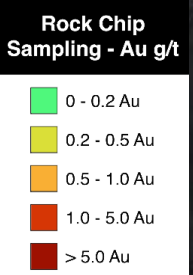
0 - 0.2 Au
0.2 - 0.5 Au
0.5 - 1.0 Au
1.0 - 5.0 Au
>5.0 Au

**Shoeshine Surface Sampling Results**

- 10 rock samples > 5 g/t Au with a property high of 1,290.0 g/t Au
- 18 soil samples > 0.5 g/t Au with a property high of 7.5 g/t Au, over a 1km strike length
- 3 rock samples > 0.1% Sb (Antimony) with a high 0.9% Sb

# Muddy Creek

One of the Most Impressive Gold Anomalies on the Property



**Muddy Creek Surface Sampling Results**

- 18 rock samples > 10 g/t Au with a high of 127.5 g/t Au
- 15 soil samples > 2.0 g/t Au with a high of 6.1 g/t Au, over a 1.5km strike length
- Core anomaly measures 400m x 400m
- Assays results from 2024 surface sampling program pending



# Stoney

## High-Grade Gold, Silver, Copper, & Antimony Anomalies Discovered





# Estelle – Gold & Critical Minerals

Right Place, Right Time, With the Right Commodities



**Gold Spot Price**  
**US\$2,650 oz\***



**Antimony Spot Price**  
**US\$25,000 mt\***



\*Source: <https://www.metalsdaily.com/live-prices/gold/> 25/9/24

\*Source: <https://www.metal.com/Antimony/202005060001> 25/9/24

# Multi-Element Potential at Estelle

Gold, Antimony, and Other High-Grade Minerals Also Discovered



Estelle could potentially help the US secure its CM supply chain

Mineral Element	Symbol	Earth Average (ppm)	Estelle Maximum (ppm)*	Top Prospects at Estelle where Highly Elevated Concentrations have been Discovered to Date	World Production (%)**		World Reserves (Kt)**		Uses
					USA	China / Russia	USA	China / Russia	
Gold	Au	0.004	1290	All	5	20	3	9	Investment, jewelry, electronics
Antimony	Sb	0.2	605000	Stibium, Styx, Shoeshine, Train, Trumpet	0	85	60	700	Defense tech, munitions, flame retardants batteries, clean tech, communications, chemicals, ceramics/glass
Silver	Ag	0.075	2720	Stoney, Shoeshine, Train, Trumpet	4	20	23	116	Investment, electricals, photovoltaics, solar, jewelry/silverware, brazing/solder, photography
Copper	Cu	60	100500	Stoney, Shoeshine, Train, Trumpet, Trundle	4	50	44	89	Construction, electricals, transportation, industrial machinery
Bismuth	Bi	0.009	>10000	RPM, Shoeshine, Train, Trumpet	0	80	NA	NA	Chemicals, pharmaceuticals, glass/ceramics, pigments
Cobalt	Co	25	9110	Wombat, Stoney, Train, Trumpet	<1	6	69	390	Super alloys, chemicals, metallics, tools
Gallium	Ga	19	61	Wombat	0	99	0	760	Semi conductors, optoelectronics, integrated circuits
Indium	In	0.25	60	Wombat, Train, Trumpet	0	60	NA	NA	LCDs, alloys/solders, compounds, electrical components, semiconductors, research
Lanthanum	La	39	1480	Wombat	15	70	2300	65000	Catalysts, magnets, ceramics, glass, metallurgical, alloys, polishing
Manganese	Mn	950	21900	Shoeshine, T5	0	5	0	280	Steel, animal feed, bricks, batteries, fertilizers
Scandium	Sc	22	156	Trumpet	W	55	0	NA	Specialty alloys, fuel cells, ceramics, electronics, lasers, lighting
Strontium	Sr	370	1550	Revelation, Train, Trumpet	0	25	NA	16000	Drilling fluids, magnets, pyrotechnics, signals, alloys, pigments/fillers, glass
Tellurium	Te	0.001	444	RPM, Shoeshine, Train, Trumpet, Muddy Creek	W	65	4	8	Solar cells, energy, thermoelectrics, specialty alloys, chemicals, pigments
Tungsten	W	1.3	>10000	Shoeshine, Trumpet, Stoney, RPM, Revelation	0	90	NA	2100	Tools, specialty alloys, electrical, chemicals
Yttrium	Y	33	>500	Trumpet, Stoney	0	90	NA	NA	Catalysts, ceramics, electronics, lasers, metallurgy, phosphors

\* Source ALS laboratory analysis ICP\_MS61 , Dataset includes 1844 rock and soil exploration samples across Estelle project area.

\*\* Source USGS Mineral Commodity Summaries 2023,

NA - Data not available

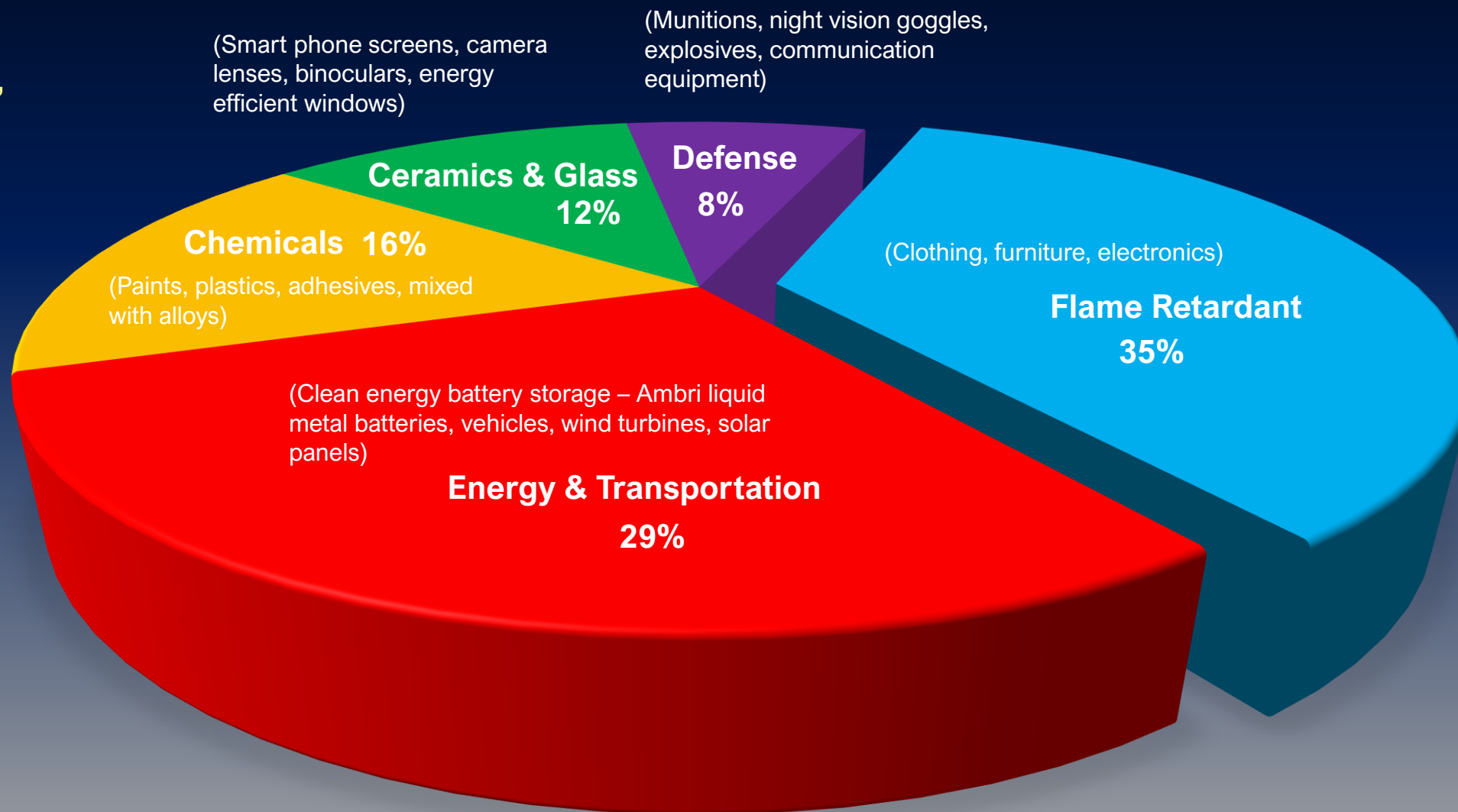
W - Information withheld to avoid disclosing company proprietary data

# Antimony Uses (USGS)

The Most Important Critical Mineral You have Never Heard Of

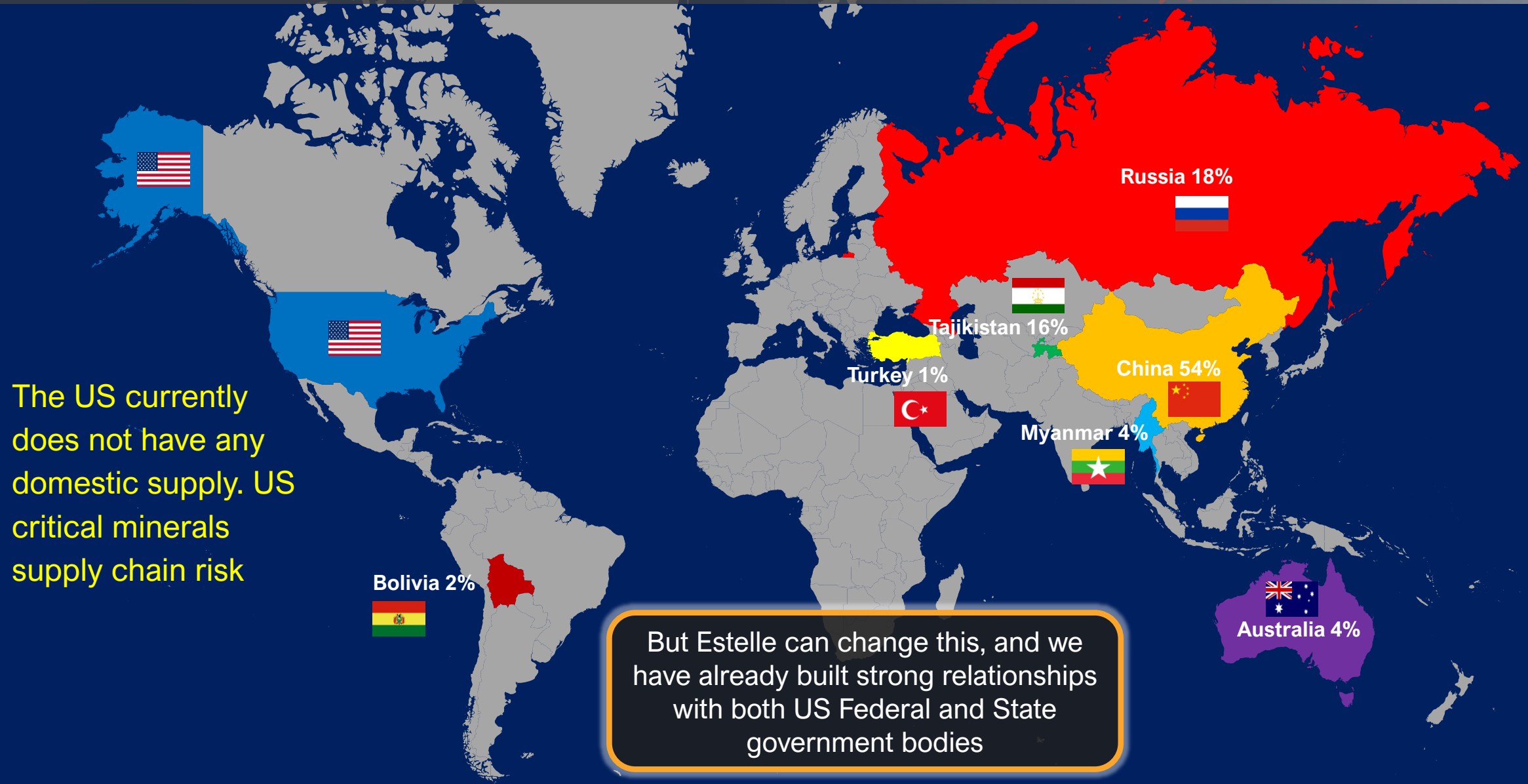
Key properties - heat and flame resistance, anti-corrosion, and its ability to harden and strengthen certain materials and metals

Strategic critical mineral that is used in all manner of civil and defense applications



# World Antimony Production 2022 (USGS)

99% of the World's Antimony Supply Comes from 7 Countries



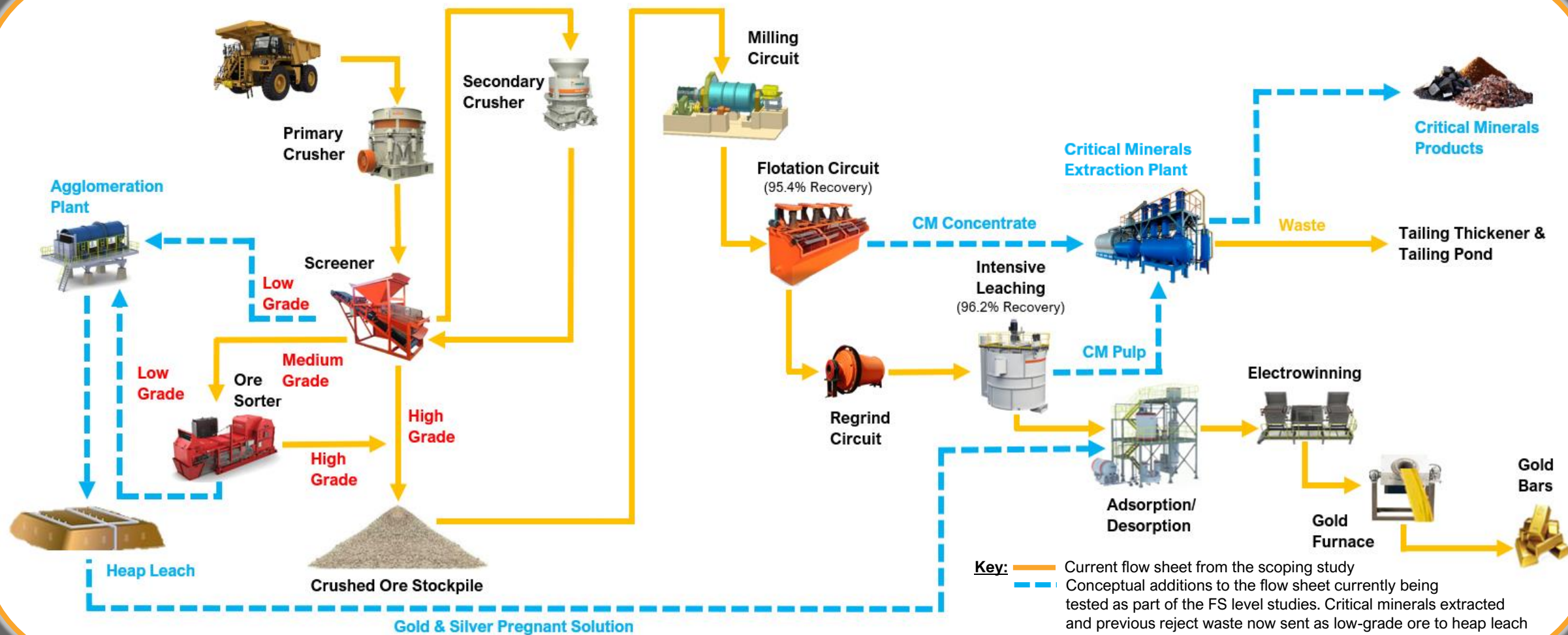
The US currently does not have any domestic supply. US critical minerals supply chain risk

But Estelle can change this, and we have already built strong relationships with both US Federal and State government bodies

# Proven & Robust Flowsheet

Simple Metallurgy for Easy Gold Liberation - A Big Cost Differentiator

Further Improvements being Tested as Part of the Current FS Level Studies



# A Path of Value Accretion Opportunities

## Significant Value Upside as the Project Continues to De-Risk

Feasibility Studies currently underway is considering a strategy to achieve production with a scalable operation, by:

- Establishing an initial low CAPEX smaller scale operation at the high-grade RPM deposit requiring less infrastructure for expected early cashflow, and high margins, to potentially self-fund expansion plans; and/or
- Develop the higher CAPEX larger mining operation for increased gold production, cash flow, and mine life, that potential future large gold company strategic partners have expressed an interest
- Also separately looking at an option to develop a low CAPEX starter Antimony-Gold operation at Stibium for expected early cashflow, subject to DoD funding



# Team with the Experience to get Estelle into Production



**Christopher Gerteisen**  
Executive Director & CEO

Over 30 years' experience managing and advancing resource projects from green fields, through development and into production across North America, Australia and Asia



**Richard Beazley**  
Non-Executive Chairman

Internationally experienced mining professional and director with over 35 years of experience in senior corporate, operational and project development roles



**Louie Simens**  
Executive Director

Over 20 years' experience managing and operating multiple business with large projects in the building, mining and civil industries. Maintains extensive networks in the mining and financial industry



**Craig Bentley**  
Director Finance & Compliance

Over 30 years commercial and finance experience working in senior roles within multinational private enterprises as well as auditing for Ernst and Young



**Rodrigo Pasqua**  
Non-Executive Director

Vast experience in unlocking the value of mining projects across the world, including specific expertise in large-tonnage bulk mining operations working for large mining companies



**Avi Geller**  
Non-Executive Director

Extensive investment experience and a deep knowledge of corporate finance, including capital markets, venture capital, hybrid, debt and private equity



**Hans Hoffman**  
Head of Exploration

20 years' experience developing, conducting, and managing geotechnical engineering and mineral exploration for resource development projects in Alaska

Experienced management who have collectively personally invested over USD\$5m and who are committed to growing Nova Minerals into a global tier 1 gold producer by developing the Estelle Gold Project

# North American Peers











Alaska State Governor Mike Dunleavy on the RPM drill pad in August 2023

All data from publicly available information on the respective company websites

1. Market Caps as of 24 October 2024

2. Canadian market caps converted using CAD\$0.72 to USD and AUD market caps converted using AUD\$0.66 to USD

3. All Mineral Resource Estimates include, Measured, Indicated and Inferred resources, and where appropriate are also inclusive of Reserves, and compliant to JORC, S-K 1300, or Ni 43-104 standards as noted

	 (ASX: NVA   NASDAQ: NVA   FRA: QM3)	 (NASDAQ: USGO)	 (TSX-V: NFG   NYSE: NFGC)	 (TSX-V: SGD   OTCQB: SNWGF)
<b>Studies/Reports Completed</b>	✓ JORC Economic Pit Constrained MRE & S-K 1300 Initial Assessment Technical Report Summary	✓ S-K 1300 Initial Assessment Technical Report Summary	✓ Ni 43-101 Technical Report Exploration Update	✓ Ni 43-101 Technical Report Mineral Resource Estimate
<b>Mineral Resource Estimate</b>	✓ 5.2 Moz Au, Incl 2.7 Moz M&I Nova 85% interest 4.4 Moz Au, 2.3Moz M&I (476mt @ 0.3 Au)	✓ 7.2 Moz Au, Incl 3.9 Moz Indicated (493mt @ 0.5g/t Au)	✗	✓ 7.3 Moz Au, Incl 4.0 Moz Indicated (Indicated 76mt @ 1.66g/t Au & Inferred 81mt @ 1.25g/t Au)
<b>District Scale</b>	✓ 200mi <sup>2</sup> State of Alaska claims along a 20mi long mineralized trend with 20+ prospects	✓ 135mi <sup>2</sup> State of Alaska claims with 14 prospects	✓ 1,033mi <sup>2</sup> Newfoundland claims	✓ 1,740mi <sup>2</sup> Yukon claim tenements over 7 projects with 35+ prospects
<b>Tier 1 Location</b>	✓ Alaska, USA	✓ Alaska, USA	✓ Newfoundland, Canada	✓ Yukon, Canada
<b>Similar Terrain</b>				
<b>Mineralization</b>	✓ Intrusion Related Gold System (IRGS), Polymetallic Au-Ag-Cu & Porphyry Cu-Au	✓ Porphyry Cu-Au	✓ Gold mineralization in mafic intrusive rocks hosted in middle Ordovician sediments, of sub-greenschist to greenschist metamorphic grade.	✓ Intrusion Related Gold System (IRGS)
<b>Access</b>	✓ Winter road and air, with West Susitna all weather road progressing	✓ Winter road and air, with West Susitna all weather road progressing	✓ 9mi west of Gander and highway	✓ Winter road and air
<b>World Class Drill Results</b>	✓ 1,400 g/m RPM-005 400m @ 3.5 g/t Au 132m @ 10.1 g/t Au & 86m @ 14.1 g/t Au	✗ 334 g/m WHO4-05 304m @ 1.1 g/t Au, 3.74 g/t Ag, 0.32% Cu	✓ 2,840 g/m 27.05m @ 105 g/t Au	✓ 1,373 g/m V-23-039 553m @ 2.5 g/t Au 183m @ 4.3 g/t Au & 132m @ 5.0 g/t Au
<b>Drilling</b>	✓ 90,000m drilled to date	✓ 80,000m drilled to date	✓ 500,000m drilled to date	✓ 40,000m drilled to date
<b>Critical Elements</b>	✓ Antimony, Bismuth, Tungsten targets	✗	✗	✗
<b>Market Cap (Incl Investments)</b>	~US\$46M	~US\$125M	~US\$500M	~US\$709M
<b>Market Cap Gold Project</b>	~US\$44M	~US\$125M	~US\$500M	~US\$709M



# Nova Minerals Snapshot (As of 24 October 2024 in USD unless noted)



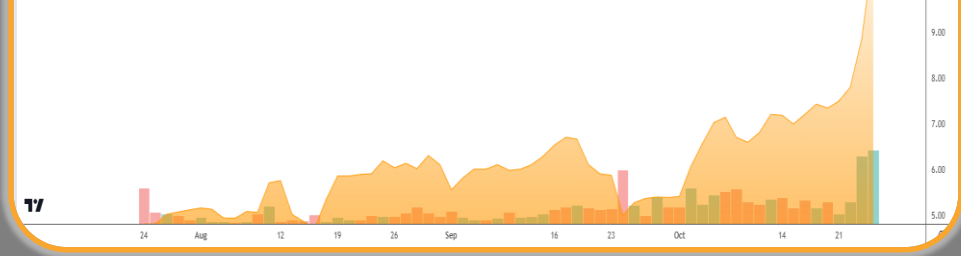
## Share Price

NASDAQ ADS\* \$10.78  
 NASDAQ Warrants \$ 3.00  
 ASX Shares \$ 0.26 (AUD)

## Market Capitalization

**\$46M**  
 Market Capitalization/Resource oz **\$9**

## NVA – NASDAQ (Daily)



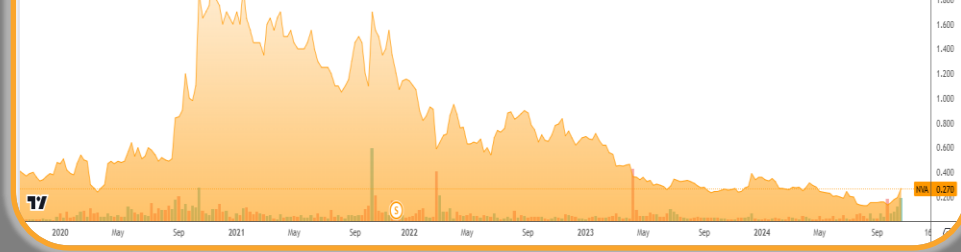
## Shares on Issue

**272M\*** \*Includes 660k ADS's where 1 ADS = 60 Shares

## Cash & Equivalents

**~\$6.6M**  
 ~\$4.6M Cash (Incl \$1.86m in Sept raise) + liquid investments in Snow Lake Lithium & Asra Minerals

## NVA – ASX (Weekly)



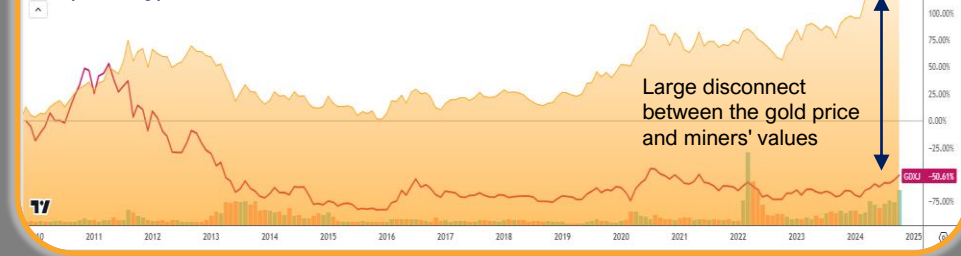
## Options & Warrants

23.6M Options various prices & expiry dates  
 475k Warrants to purchase 1 ADS at \$7.266 expiring on 24 July 2029

## Debt

**\$5.4M**  
 Nebari 1<sup>st</sup> tranche convertible facility draw down

## Spot Gold vs VanEck Junior Gold Miner ETF (Monthly)



## Performance Rights

**2.4M**  
 Various hurdles

## Shareholder Summary

- Directors & Officers 8%
- Institutions 20% (UBS 4.5%)
- Strategic 10%
- Nebari Gold Fund 2%
- Top 50 Holders 51%

# Nova's Value Drivers



Favourable jurisdiction and tenure - All on State of Alaska lands (No federal or native titles)



Aspiring Worldclass gold producer



Experienced CEO and management team



Very low discovery cost ~ US\$5/oz or 58oz added for every metre drilled



Open pit, low strip ratio, bulk minable deposits



Thick high-grade ore zones from surface

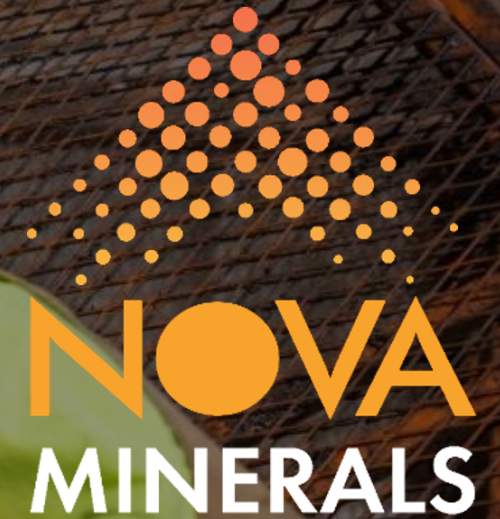


Significant resource upside potential



Multi-element potential – Gold, Silver, Copper, Antimony, other Critical Minerals

# Follow Us



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ASX: **NVA** | NASDAQ: **NVA** | FRA: **QM3**

# Appendix 1: Mineral Resource Estimates (MRE)

## JORC and S-K 1300 Compliant Economic Pit Constrained MRE for the Estelle Gold Project

Deposit	Cutoff	Measured			Indicated			Measured & Indicated			Inferred			Total		
		Tonnes Mt	Grade Au g/t	Au Moz	Tonnes Mt	Grade Au g/t	Au Moz	Tonnes Mt	Grade Au g/t	Au Moz	Tonnes Mt	Grade Au g/t	Au Moz	Tonnes Mt	Grade Au g/t	Au Moz
RPM North	0.20	1.4	4.1	0.18	3	1.6	0.15	4.4	2.4	0.33	23	0.6	0.45	28	0.9	0.78
RPM South (Maiden)	0.20										23	0.5	0.35	23	0.5	0.35
<b>Total RPM</b>		1.4	4.1	0.18	3	1.6	0.15	4.4	2.4	0.33	46	0.5	0.80	51	0.7	1.13
Korbel Main	0.15				240	0.3	2.39	240	0.3	2.39	35	0.3	0.30	275	0.3	2.70
Cathedral (Maiden)	0.15										150	0.3	1.35	150	0.3	1.35
<b>Total Korbel</b>					240	0.3	2.39	240	0.3	2.39	185	0.3	1.65	425	0.3	4.05
<b>Total Estelle Gold Project</b>		1.4	4.1	0.18	243	0.3	2.54	244	0.3	2.72	231	0.3	2.45	476	0.3	5.17

1. A mineral resource is defined as a concentration or occurrence of material of economic interest in or on the Earth's crust in such form, grade or quality, and quantity, that there are reasonable prospects for economic extraction.
2. The mineral resource applies a reasonable prospect of economic extraction with the following assumptions:
  - Gold price of US\$2,000/oz
  - 5% royalty on recovered ounces
  - Pit slope angle of 50o
  - Mining cost of US\$1.65/t
  - Processing cost for RPM US\$9.80/t and Korbel US\$5.23/t (inclusive of ore sorting for Korbel)
  - Combined processing recoveries of 88.20% for RPM and 75.94% for Korbel
  - General and Administrative Cost of US\$1.30/t
  - Tonnages and grades are rounded to two significant figures and ounces are rounded to 1,000 ounces, subject to rounding

# Appendix 2: Characteristics of Bulk Tonnage Mines



## Geology and Geometry Come First

- Thick drill intercepts > 100m, and often at lower average grades
- Mineralization at surface with low strip ratios
- Large tonnage moved, but a large proportion of the material is ore, meaning less waste
- Open pit operations using conventional truck and shovel mining methods
- A central processing plant proximal to the ore source requiring short haul distance
- Often include heap leach process circuit for lower cost gold recovery
- Typically produce > 100,000 g/t Au per year at lower AISC's
- Kinross Gold Corp Fort Knox mine is a good example of a highly profitable low grade bulk tonnage mining operations

## Proposed Estelle Bulk Tonnage Gold Operation

The mineralized bodies found across the Estelle gold district, are similar in grade, deposit type, style of mineralization, and tonnage potential, to the Fort Knox deposits. The Estelle Gold Project has a current global JORC compliant resource of 9.9 Moz @ 0.3 g/t Au, and the scoping study showed that Korbel and RPM can support large, bulk tonnage and high-grade open pit mining operations, with ideal ore body geometry over the 17+ year LOM, using a conventional truck and shovel mining method and mill operation. As part of the current FS level studies, heap leach agglomeration is also being tested for suitability to the ore bodies to potentially lower costs further

## Kinross Gold Corp - Fort Knox Gold Mine

The Fort Knox gold mine, owned by Kinross Gold Corp, is a highly profitable, large scale bulk tonnage open-pit gold mine, located near the city of Fairbanks, Alaska. It is mined by conventional open-pit methods, with ore processed at a mill and heap leach facility. Currently Fort Knox has a remaining resource of 1.9 Moz @ 0.3 g/t Au, having already mined over 9.1 Moz over 27 years, including 290,651 ounces of gold in 2023 at an AISC of US\$1,195 oz.

# Appendix 3: Ore Sorting

## Rejecting Low-Grade Material Before Milling with the Reject Ore Sent to Heap Leach

### How Ore Sorting Works

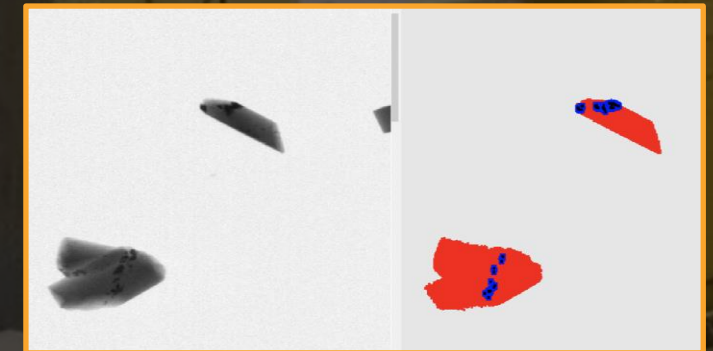
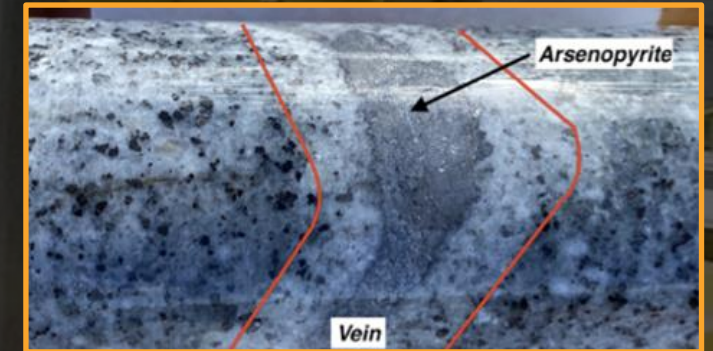
- Each individual rock is classified as being ore or reject using real-time online sensors
- The sensor data is quickly analyzed allowing individual particles to be sorted with high-grade ore sent for milling and the reject ore sent to heap leach

### Benefits of Including Ore Sorting in the Flowsheet

- Optimizes the processing of ore material allowing a reduction in the cut-off grade, and a higher mill feed grade
- Early rejection of low-grade material before milling reduces the size of the plant required = Lower CAPEX and OPEX costs
- OPEX also reduced due to a reduction in the energy, water and reagent consumption
- Material handling and tailings production reduced with reject ore sent to heap leach = Potentially higher gold production
- Ore sorters now form part of the flow sheet in numerous successful mining companies

### Nova's Ore Sorting Test Work

- To date Nova's extensive testing at Tomra has shown that ore sorting is proven to work exceptionally well, and can potentially provide an up to 10 X uplift in grade
- Testing so far has only looked at XRT density sorting, but Steinert's ore sorters can also sort based on a combination of XRT, colour, laser, and induction sensors
- Testing using Steinert's multi-sensor ore sorters is currently underway on ore from both Korbel and RPM
- A bulk, up to 200 kt, pilot scale ore sort test program is also currently being planned



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