

Estelle Project

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



2024 Annual General Meeting

14 November 2024

ASX: NVA | NASDAQ: NVA | FRA: QM3

www.novaminerals.com.au

⁷⁹
Au
Gold

⁵¹
Sb
Antimony

⁴⁷
Ag
Silver

²⁹
Cu
Copper

CM
Critical
Minerals

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Compliance Statements

This Presentation contains references to Mineral Resource Estimates extracted from the Company's ASX announcements dated 11 April 2023, titled "Estelle Global Gold MRE Increases to 9.9 Moz Au", and dated 16 April 2024, titled "Mineral Resource Estimate for US Listing" (refer Appendix 1). References in this presentation to exploration results have been extracted from the Company's ASX announcements as noted on the relevant pages of this presentation. Nova confirms that it is not aware of any new information or data that materially affects the information included in the original announcements and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcements.

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This announcement has been authorized for release by the executive directors.

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

- 514km² 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 resource²
- 9.9 Moz Au JORC global resource (ASX compliant)¹

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

¹ Global resource compliant to JORC standards only. Refer to Appendix 1

² Economic pit constrained resource compliant to JORC and S-K 1300 standards. Refer to Appendix 1

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The Estelle Gold Project

A District Scale Project in a Great Neighbourhood



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- 35km long mineralized corridor on 514km² of State of Alaska Mining claims
- 2nd 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

* Global JORC compliant resource Refer to 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
- 514km² of unpatented mining claims
- Alaska has a streamlined permitting process
- The Estelle Gold Project is fully permitted for exploration

Access

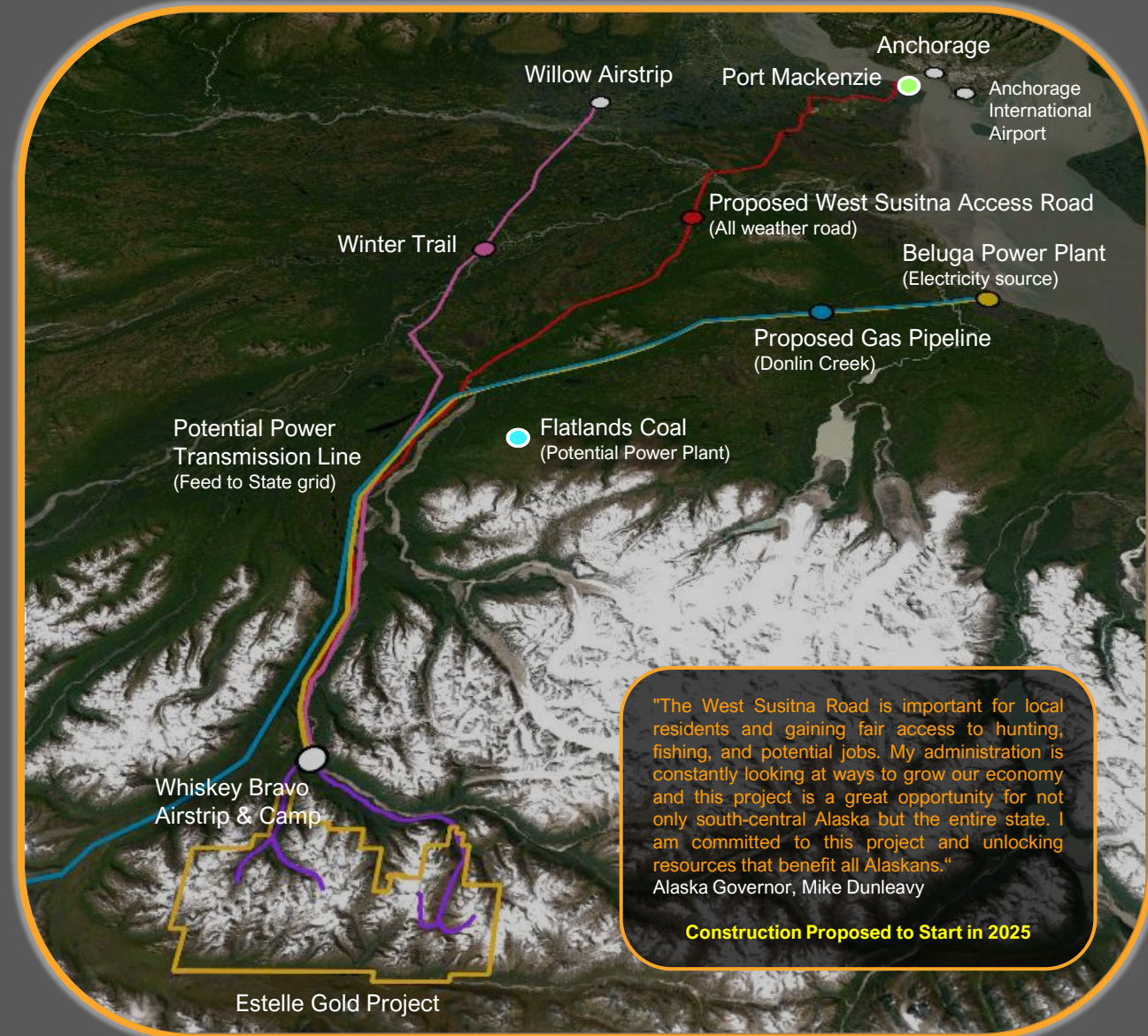
- Short flight from Anchorage or Willow to an all-season air strip
- Winter trail used to transport large and heavy equipment
- Proposed West Susitna Access Road has considerable government and community support
 - All weather road that will link the project to port, rail and road
 - 1st part of the 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 Brāvō 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

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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

35km Long Mineralized Corridor

Estelle Staged Development Options

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

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Whiskey Bravo
camp & airstrip

Potential Antimony-Gold
Processing Plant

Stibium

3. Stand Alone Antimony-Gold Starter Mine

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

Potential Gold
Processing Plant

Korbel

2. Expanded Project – Korbel + 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

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

Potential Gold
Processing Plant

RPM

1. RPM Starter Mine

High-Grade gold from surface

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1km

RPM

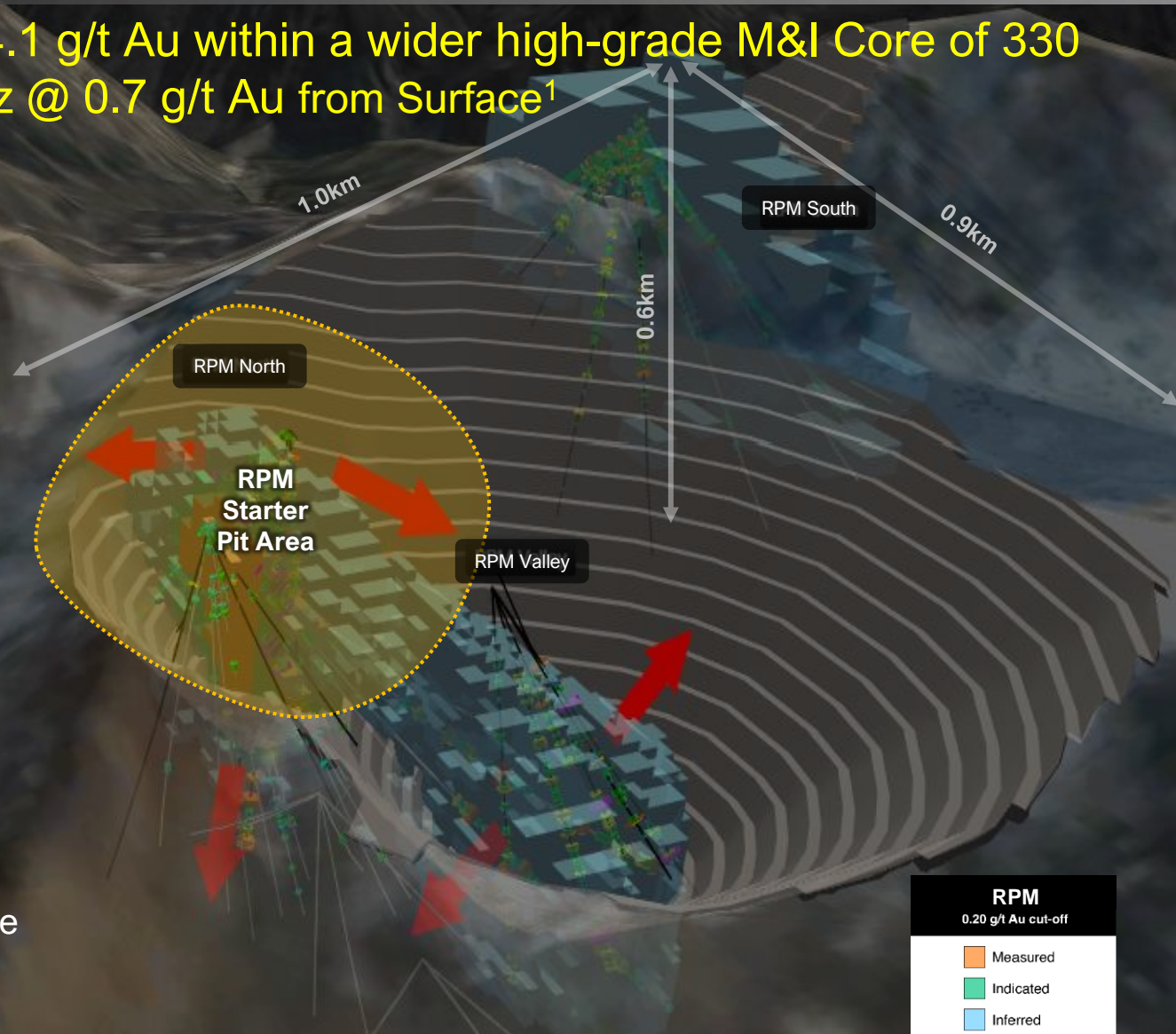
High-Grade Resource Starter Pit – From Surface and Remains Open

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 Surface¹

- 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



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

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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 North

RPMRC-24016 39m @ 5.4 g/t Au
From surface Incl:
20m @ 10.2 g/t Au
12m @ 15.3 g/t Au
11m @ 16.4 g/t Au

RPMRC-24017 29m @ 7.1 g/t Au
From surface Incl:
22m @ 9.4 g/t Au
6m @ 19.9 g/t Au
3m @ 32.2 g/t Au
2m @ 52.7 g/t Au

RPMRC-24008 45m @ 3.4 g/t Au
From surface Incl:
31m @ 4.7 g/t Au
8m @ 10.5 g/t Au

2024 Drill Target Zone

RPM-RC-24020 28m @ 4.5 g/t Au
From surface Incl:
23m @ 5.3 g/t Au
6m @ 14.3 g/t Au
3m @ 25.0 g/t Au

RPMRC-24005 43m @ 4.4 g/t Au
From 2m Incl:
23m @ 7.3 g/t Au
13m @ 10.7 g/t Au
2m @ 39.2 g/t Au

RPM Drilling (g/t Au)	
0.3 - 0.5	Light Blue
0.5 - 1.0	Green
1.0 - 2.5	Yellow
2.5 - 5.0	Orange
5.0 - 10.0	Red
≥ 10.0	Purple

RPM Valley

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RPM Drilling – Pre 2024 Results

World Class Thick High-Grade Gold Drill Intercepts



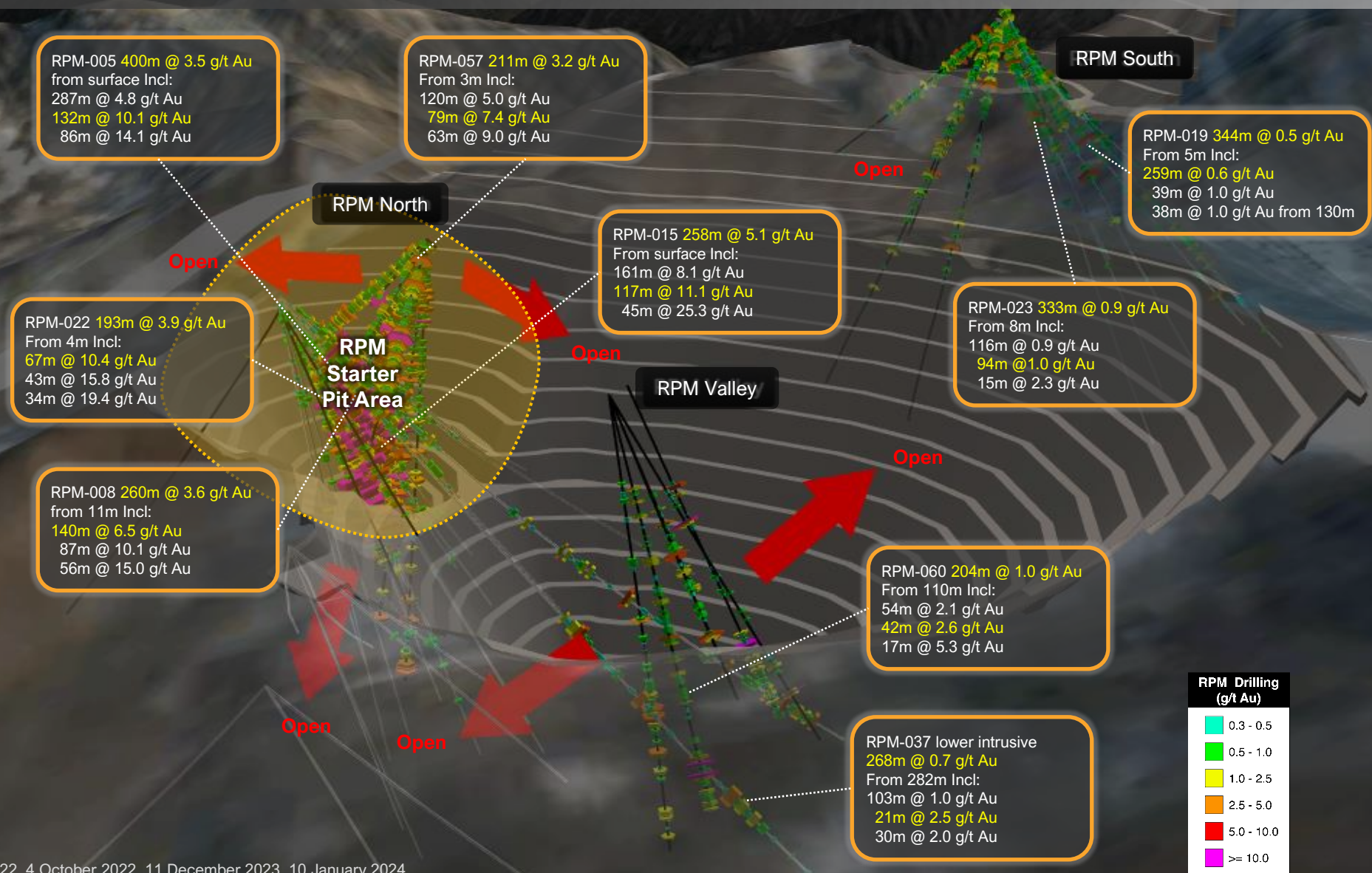
- 67 holes, ~20,000m drilled to date, most assayed for multi-elements

- 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.



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Korbel

Korbel Potential Processing Plant

Korbel Main Deposit

Beauty

Isabella

Korbel Main Pit



Cathedral Deposit

Portage Pass

Sweet Jenny

Korbel Valley Regional Targets

Stoney

Stoney

Wombat

Trundle

Tomahawk

Stoney Regional Targets

T5

West Wing

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

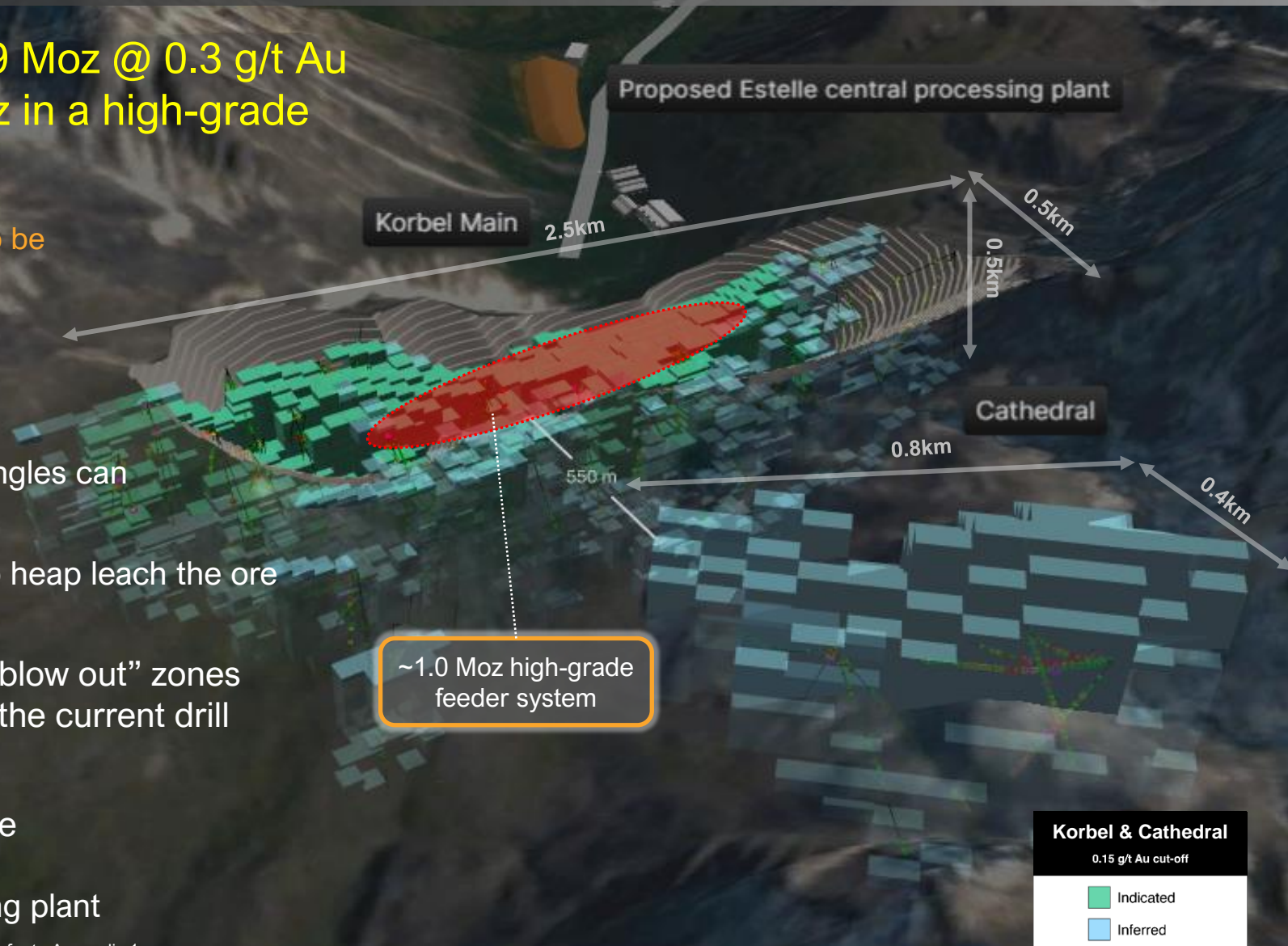
Korbel

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 system¹

- 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



¹ 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

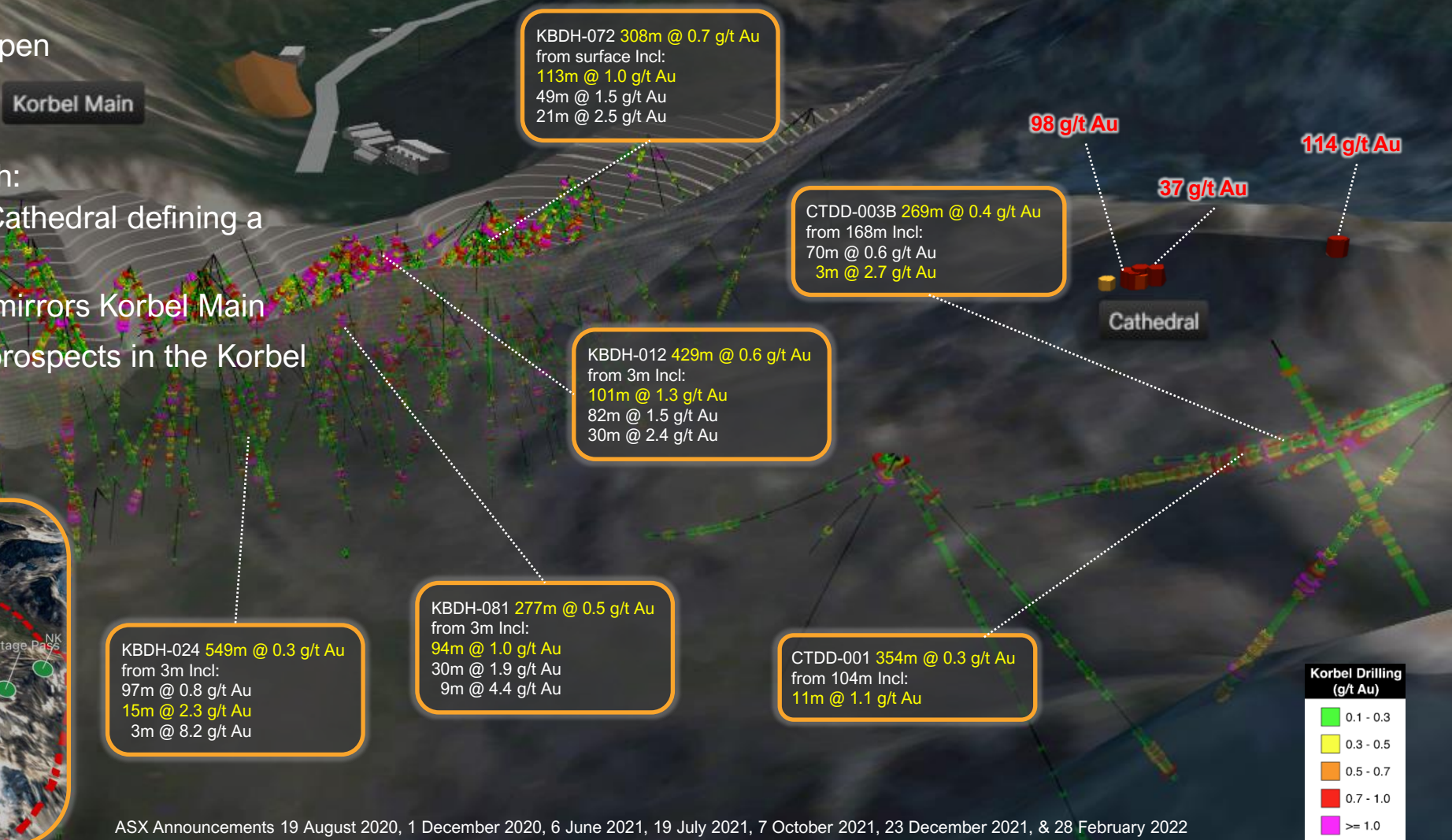


- 214 holes, ~70,000m drilled to date

- 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

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Stibium

Proposed access road to Stibium

High-Grade Antimony & Gold Samples

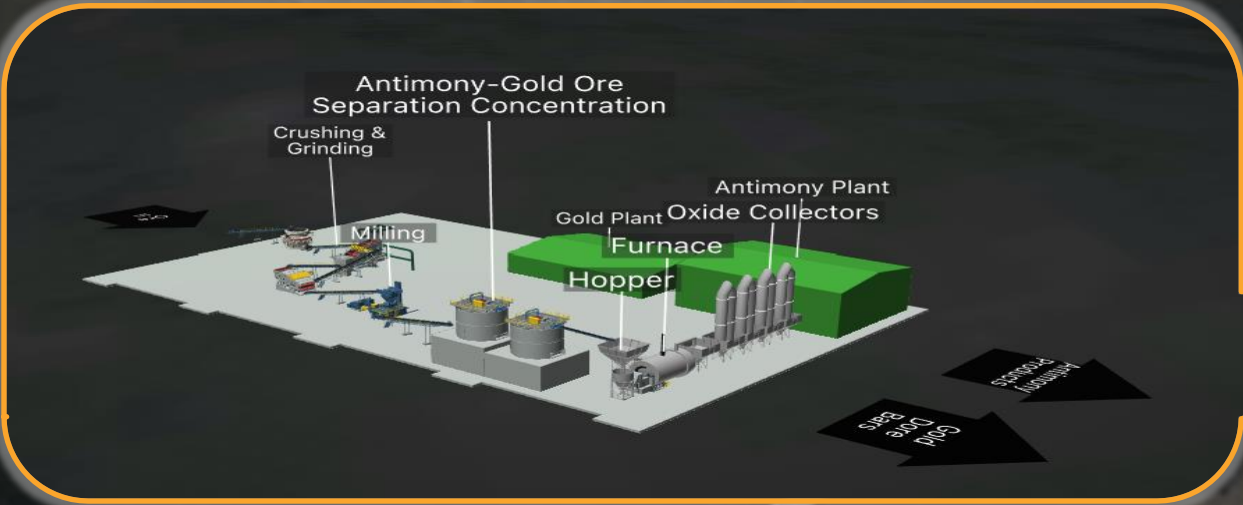
Proposed access road to Korbel

3. Stand Alone Antimony-Gold Starter Mine

High-Grade Antimony-Gold from surface samples

Whiskey Bravo Airstrip & Camp

Potential Antimony-Gold Processing Plant



Stibium

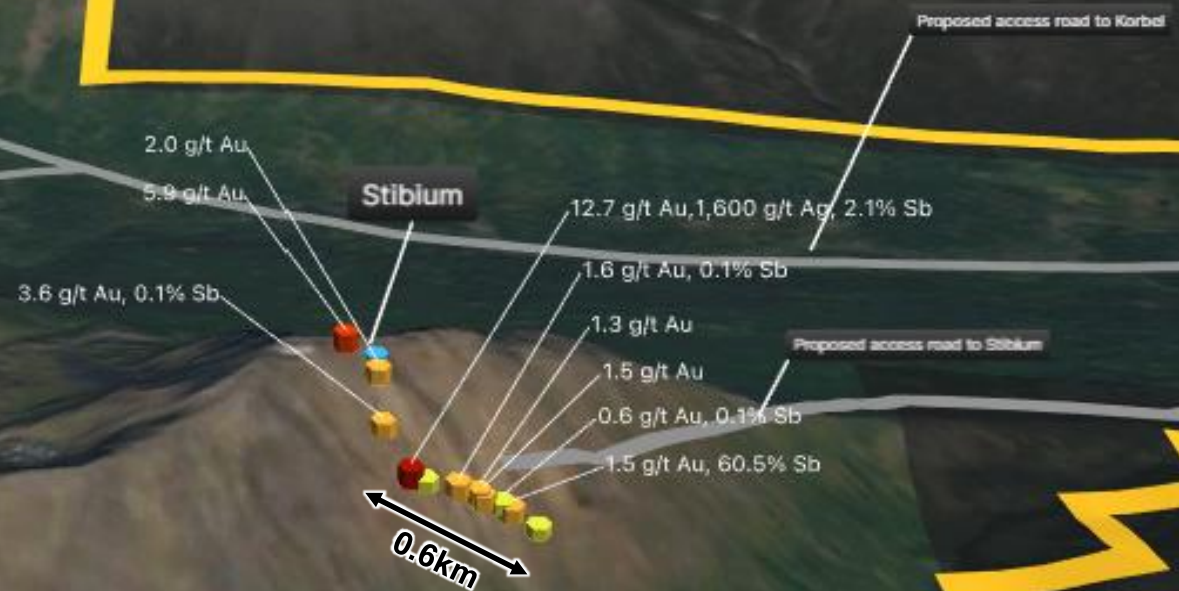
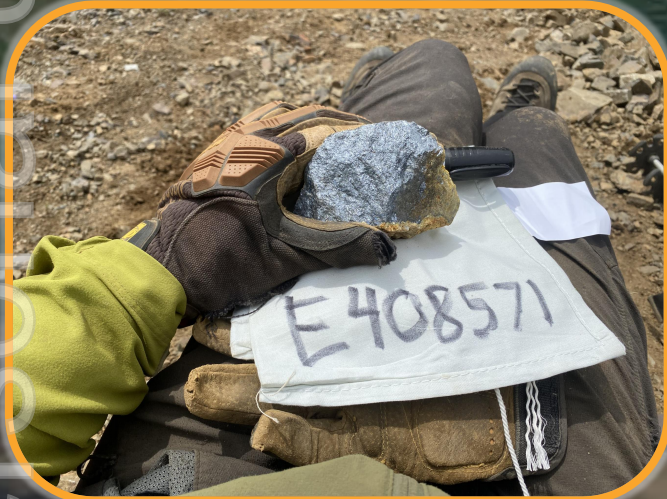
High-Grade Gold & Antimony in Close Proximity to Korbel & the Camp

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	
Green	0 - 0.2 Au
Yellow	0.2 - 0.5 Au
Orange	0.5 - 1.0 Au
Red	1.0 - 5.0 Au
Dark Red	> 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



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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 514km² 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

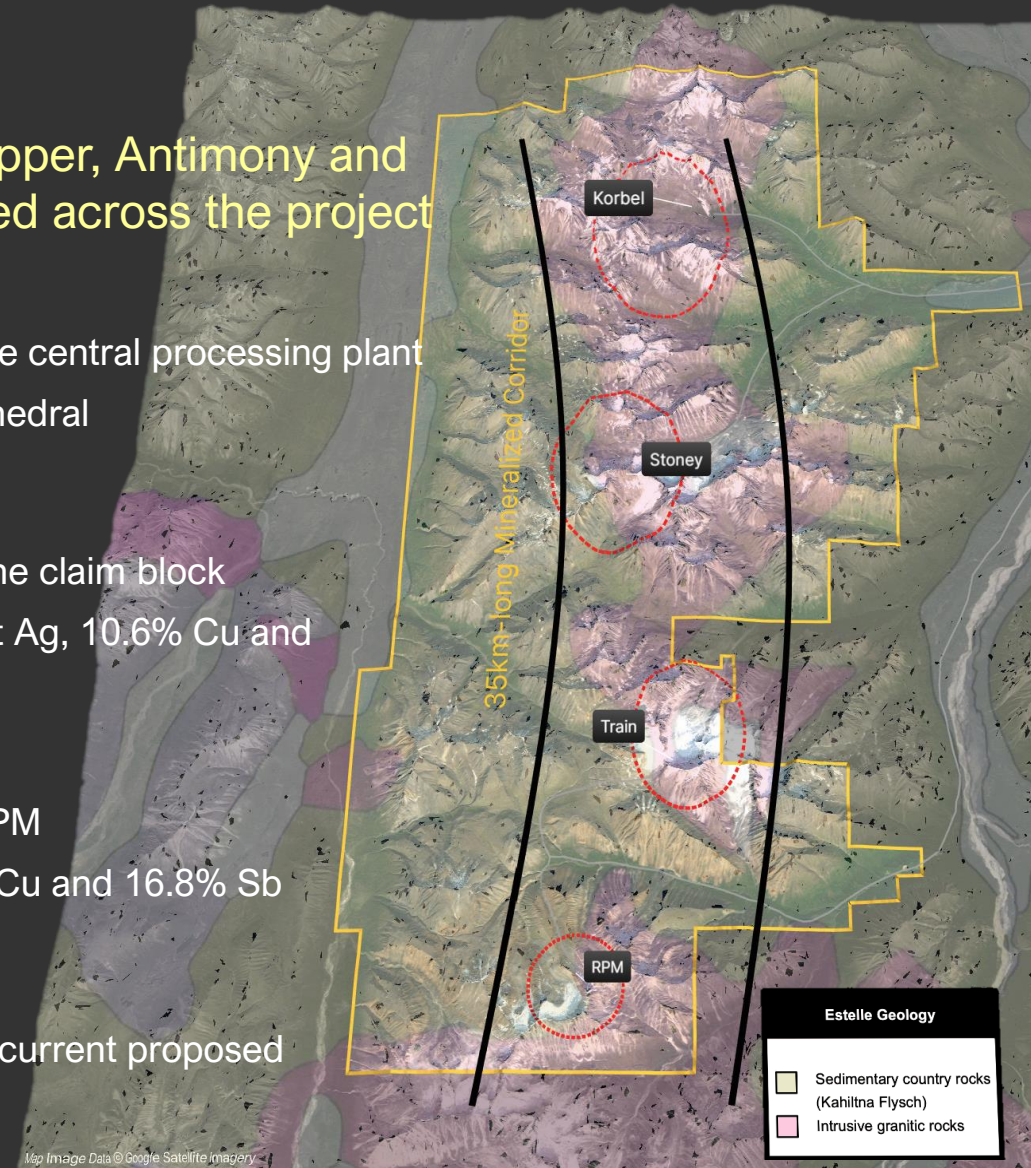
- 7 exciting gold and multi-element targets in the central portion of the claim block
- High-grade polymetallic rock samples include 78.5 g/t Au, 2,720 g/t Ag, 10.6% Cu and 1.3% Sb (Antimony)

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

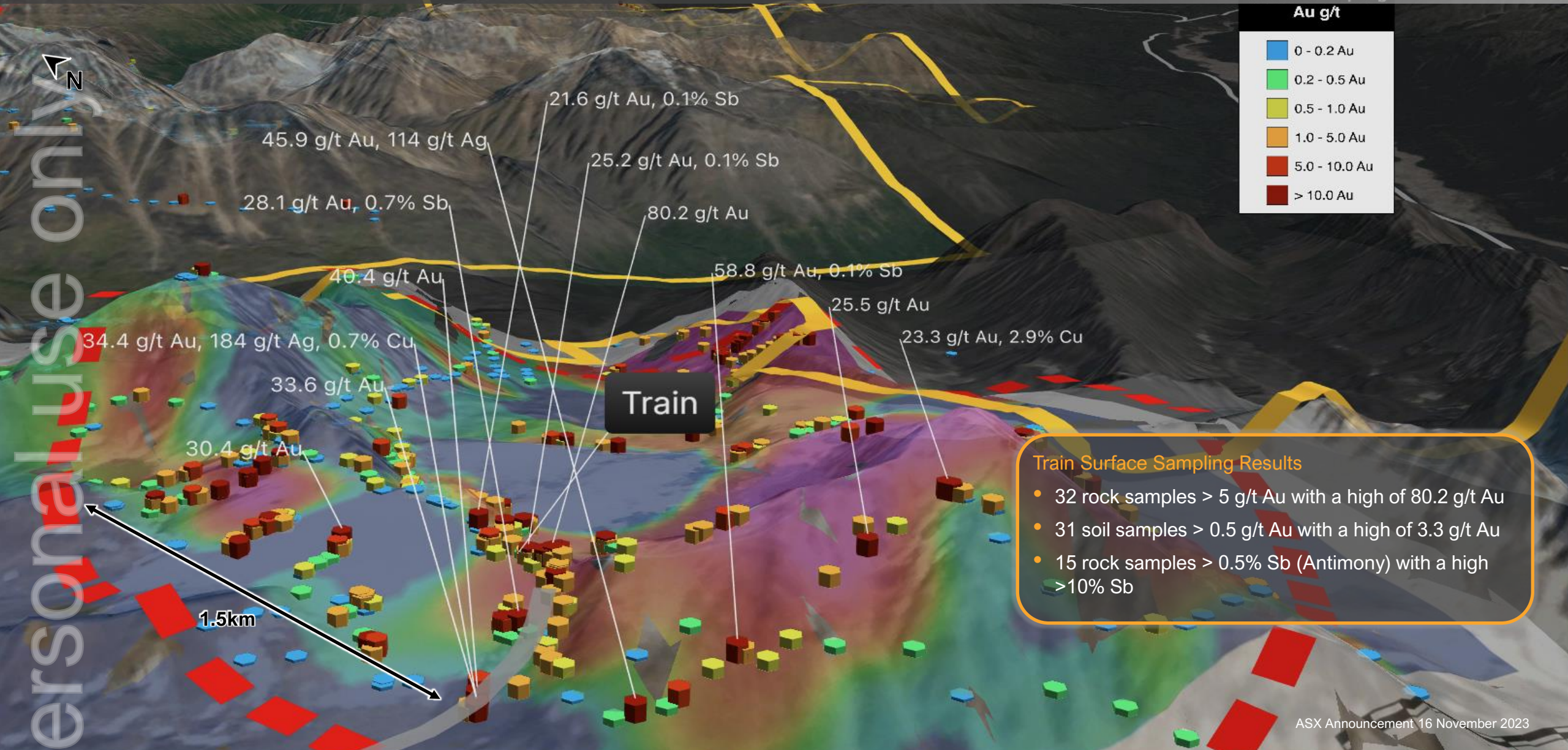
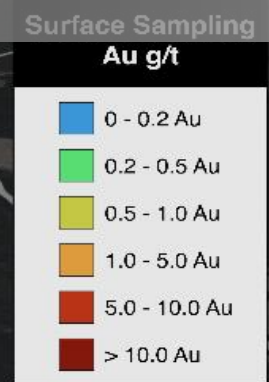
- High-grade rock samples up to 356 g/t Au discovered north of the current proposed RPM Pit



Train

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

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Train Surface Sampling Results

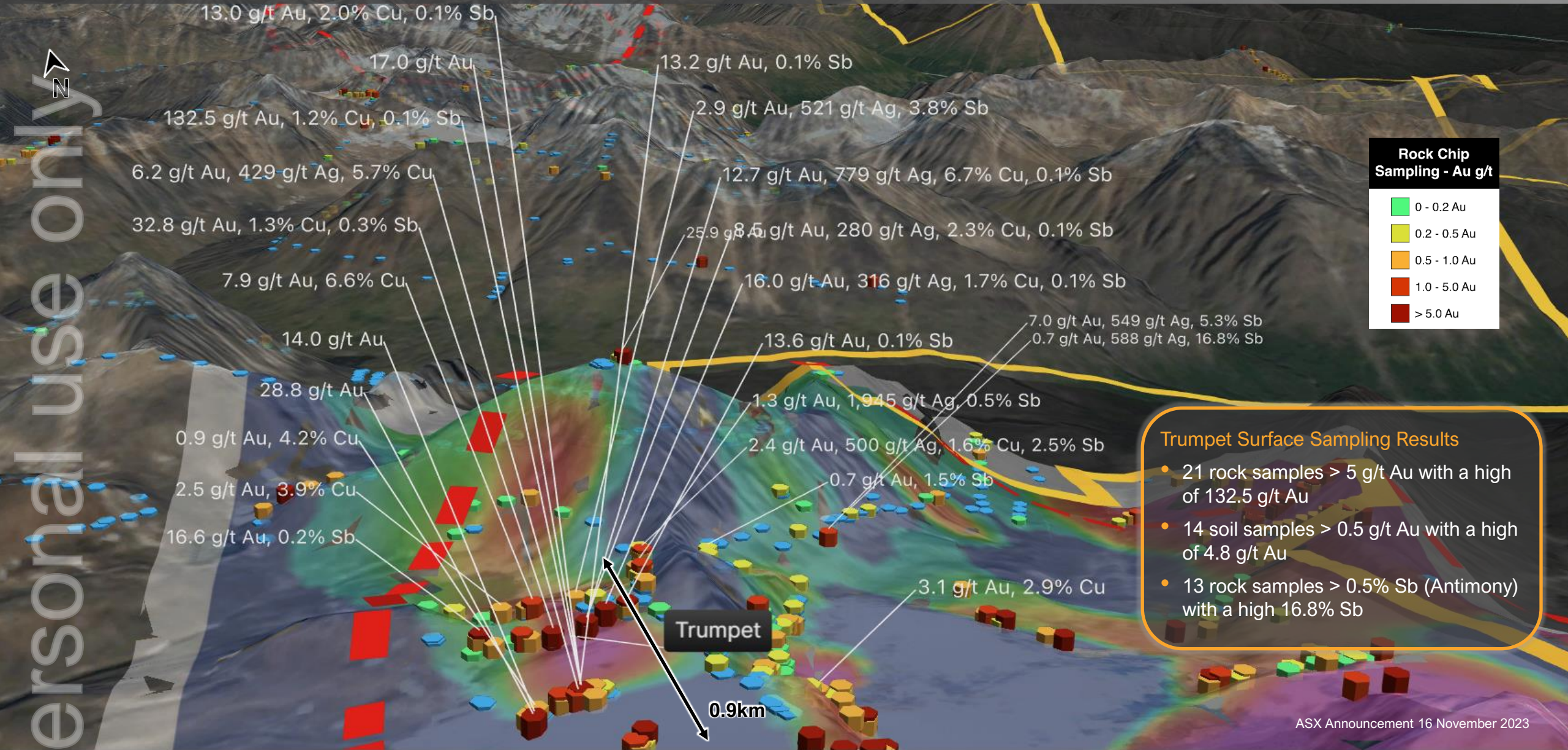
- 32 rock samples > 5 g/t Au with a high of 80.2 g/t Au
- 31 soil samples > 0.5 g/t Au with a high of 3.3 g/t Au
- 15 rock samples > 0.5% Sb (Antimony) with a high >10% Sb

Trumpet

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



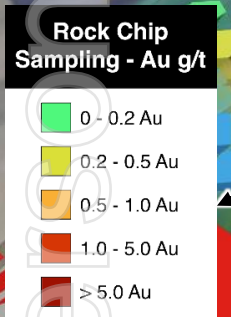
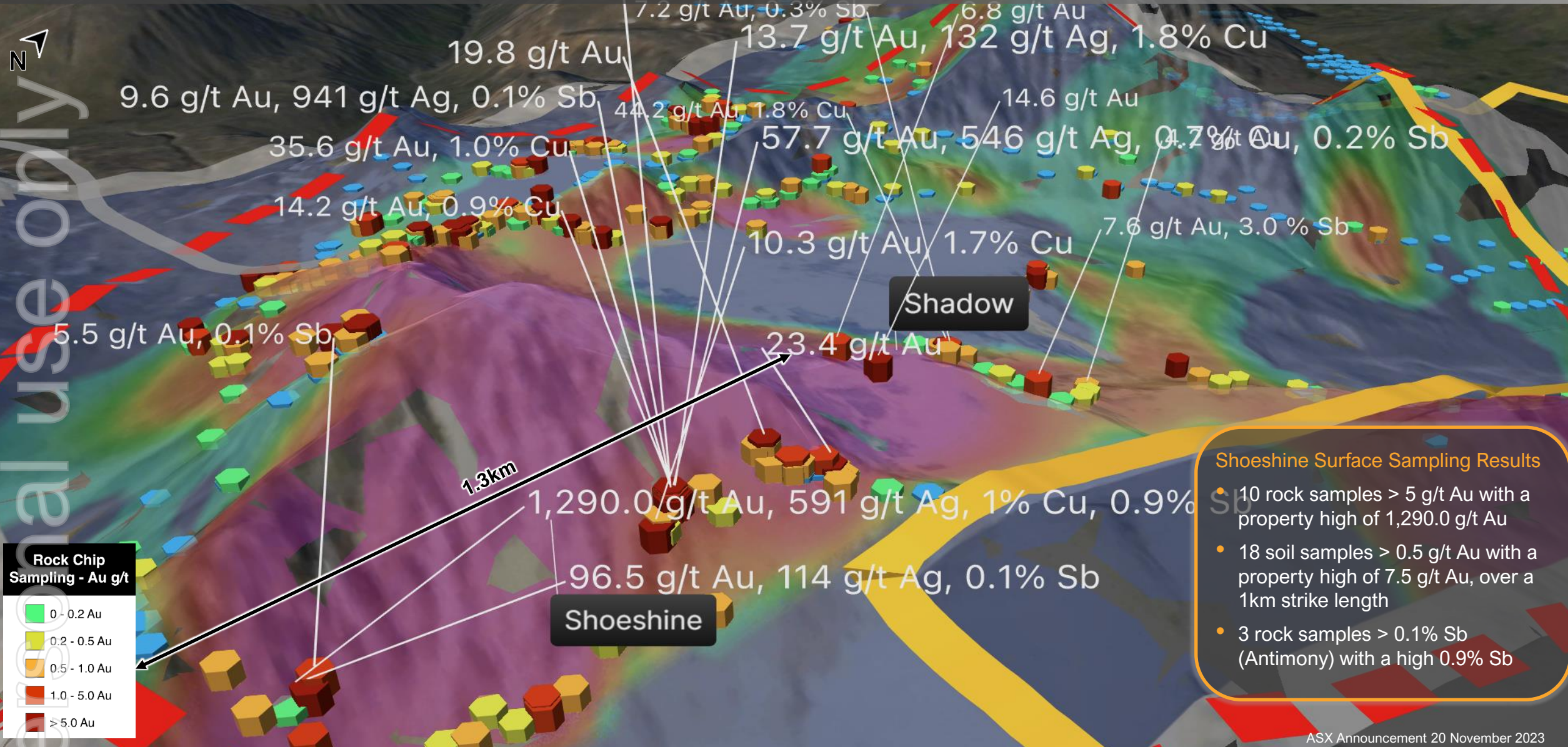
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Shoeshine

Abundant Antimony Enriched Style Gold Mineralization

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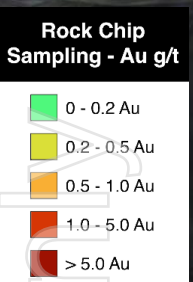


Shoeshine Surface Sampling Results

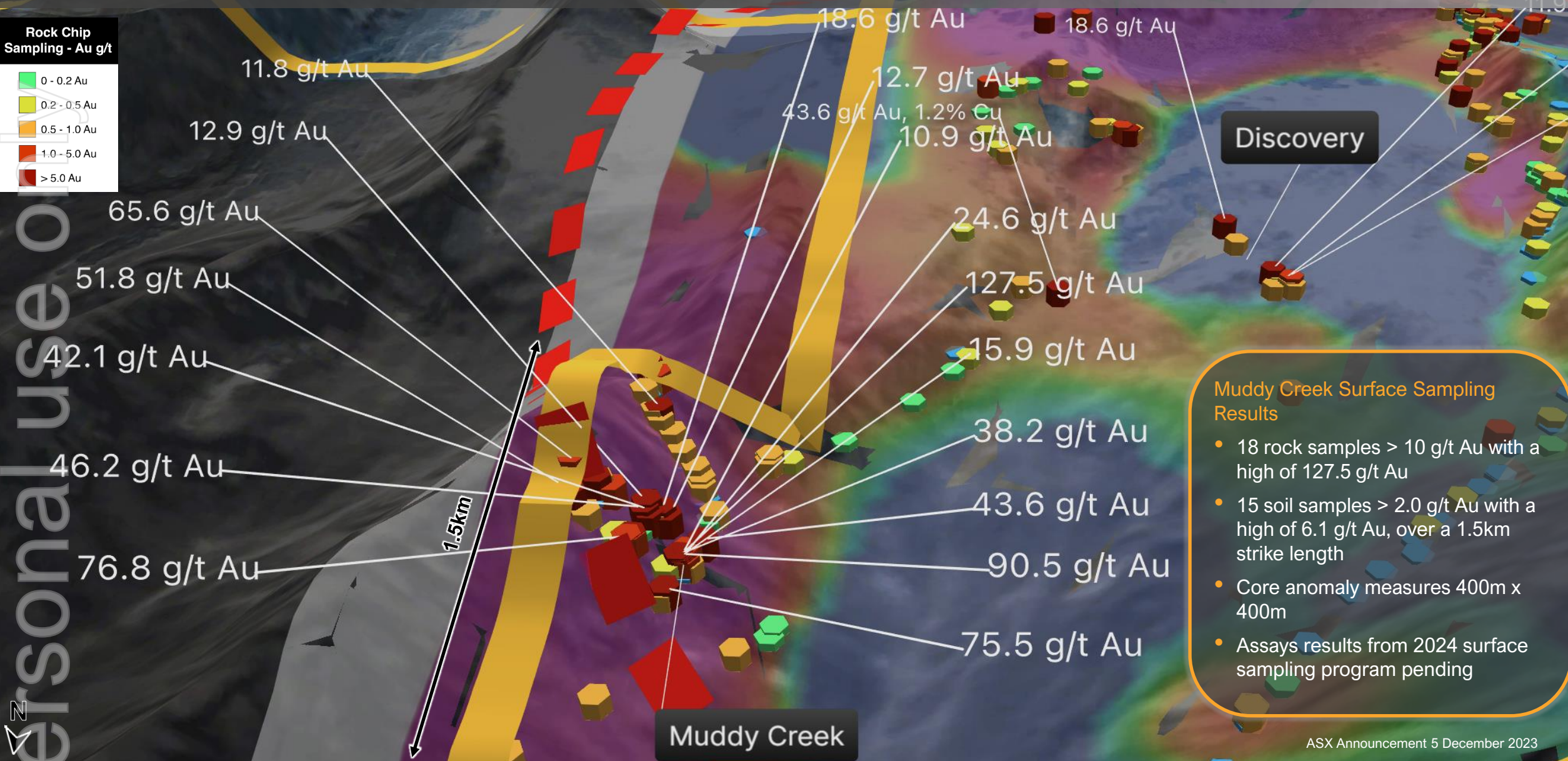
- 10 rock samples > 5 g/t Au with a property high of 1,290.0 g/t Au
- 18 soil samples > 0.5 g/t Au with a property high of 7.5 g/t Au, over a 1km strike length
- 3 rock samples > 0.1% Sb (Antimony) with a high 0.9% Sb

Muddy Creek

One of the Most Impressive Gold Anomalies on the Property



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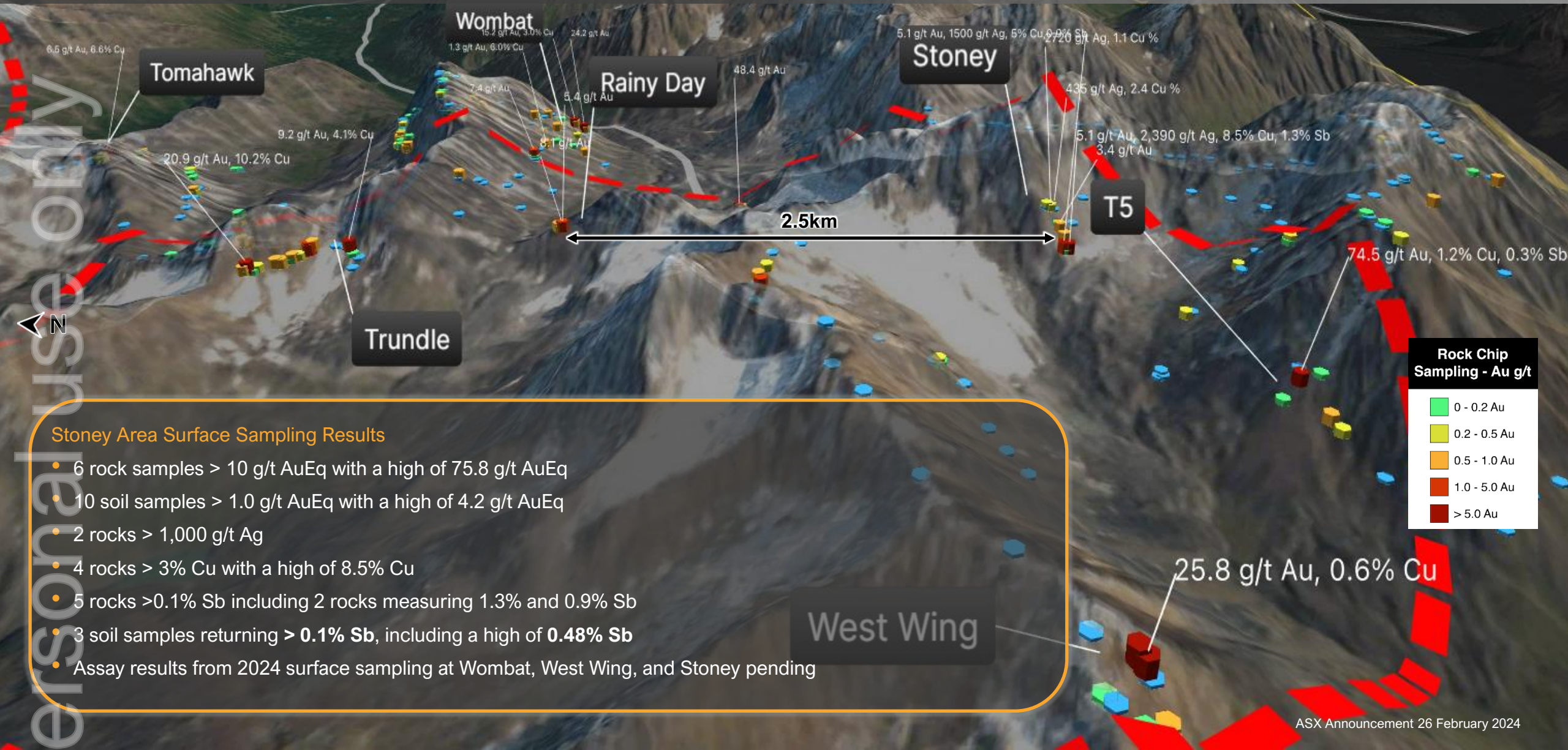


Muddy Creek Surface Sampling Results

- 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



Stoney Area Surface Sampling Results

- 6 rock samples > 10 g/t AuEq with a high of 75.8 g/t AuEq
- 10 soil samples > 1.0 g/t AuEq with a high of 4.2 g/t AuEq
- 2 rocks > 1,000 g/t Ag
- 4 rocks > 3% Cu with a high of 8.5% Cu
- 5 rocks > 0.1% Sb including 2 rocks measuring 1.3% and 0.9% Sb
- 3 soil samples returning > 0.1% Sb, including a high of 0.48% Sb
- Assay results from 2024 surface sampling at Wombat, West Wing, and Stoney pending

Rock Chip Sampling - Au g/t	
0 - 0.2 Au	Light Green
0.2 - 0.5 Au	Yellow-Green
0.5 - 1.0 Au	Yellow
1.0 - 5.0 Au	Orange
> 5.0 Au	Red

Estelle – Gold & Critical Minerals

Right Place, Right Time, With the Right Commodities



Gold Spot Price
US\$2,560 oz*



Antimony Spot Price
US\$24,450 mt*



*Source: <https://www.metalsdaily.com/live-prices/gold/> 14/11/2024

*Source: <https://www.metal.com/Antimony/202005060001> 14/11/2024

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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

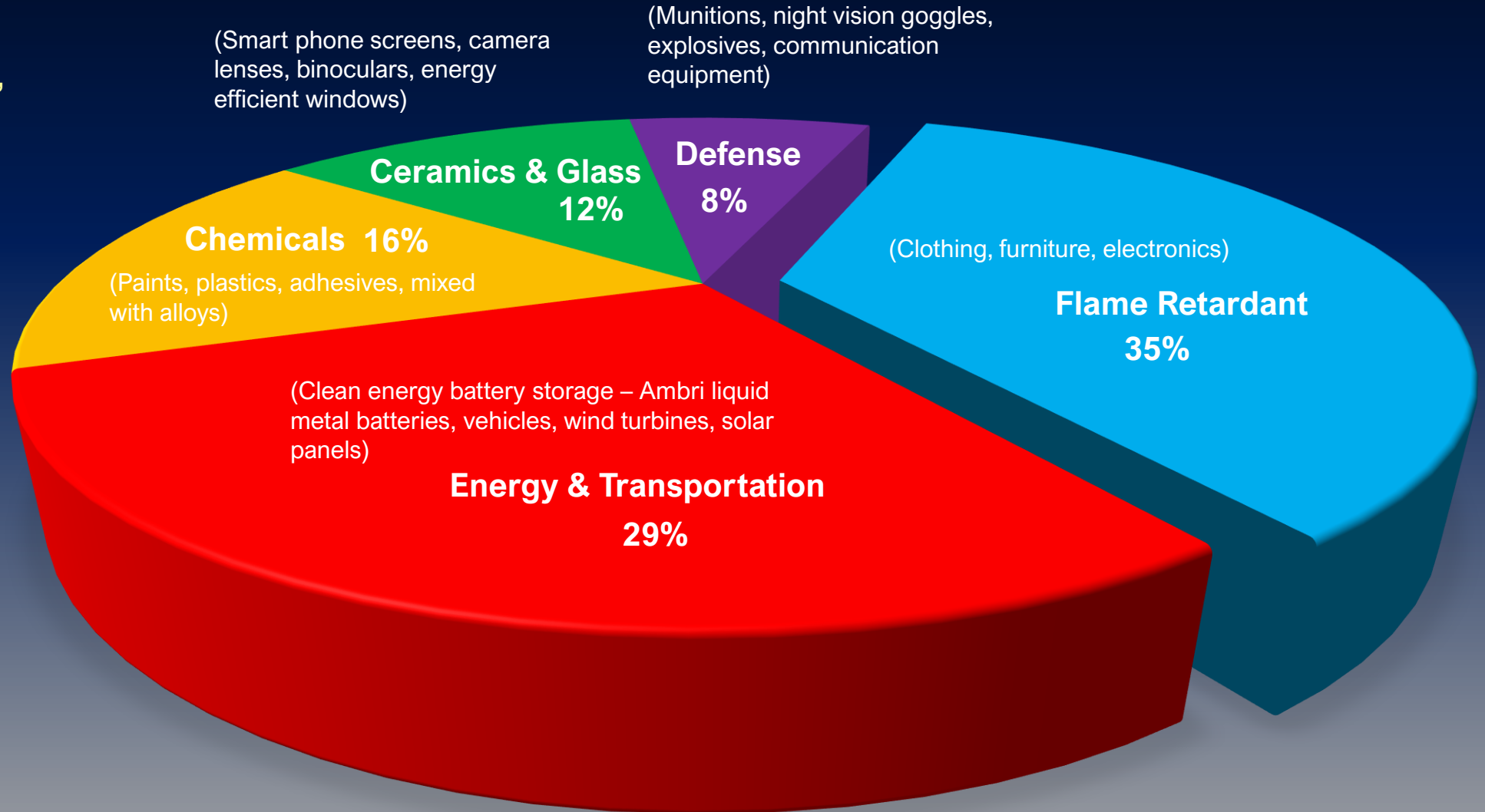
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Antimony Uses (USGS)

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

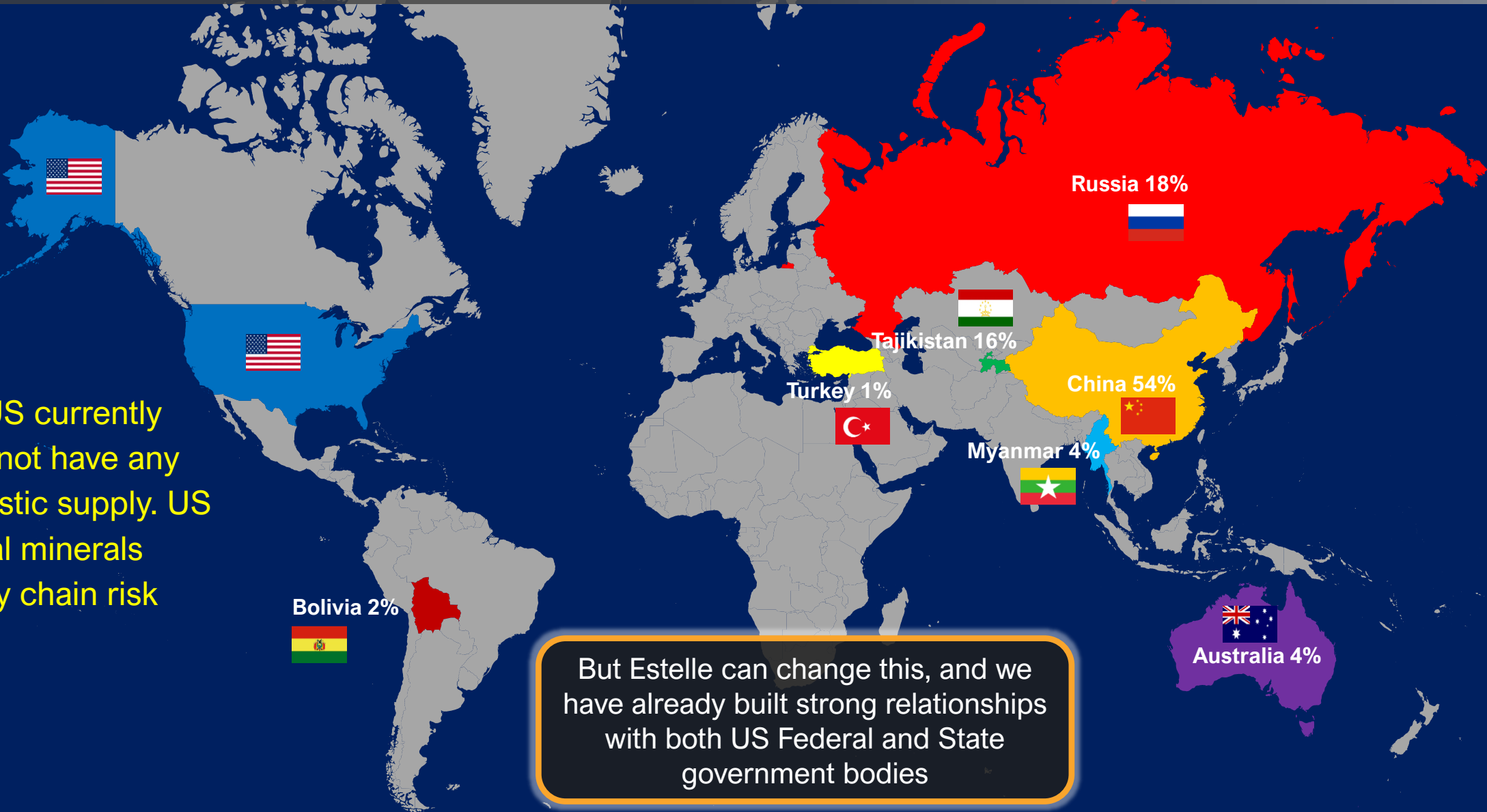


World Antimony Production 2022 (USGS)

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



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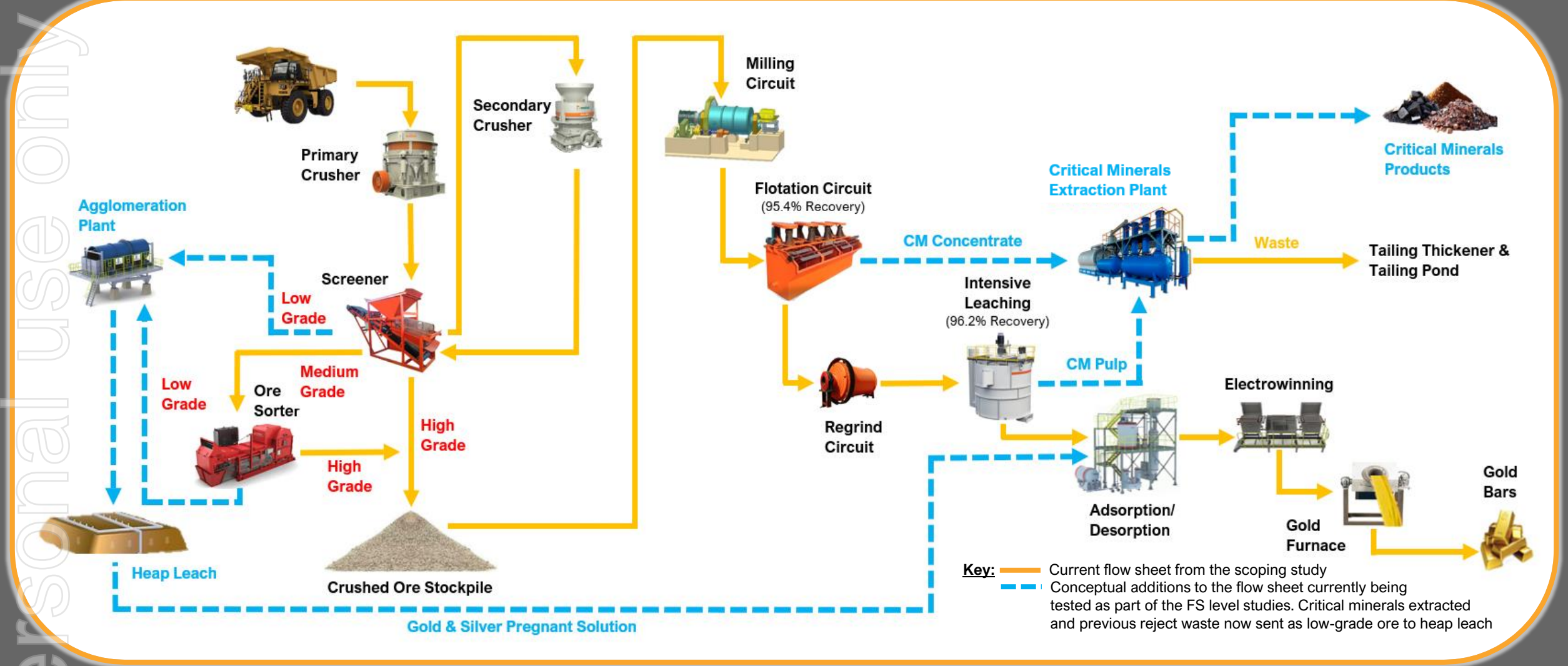
The US currently does not have any domestic supply. US critical minerals supply chain risk

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

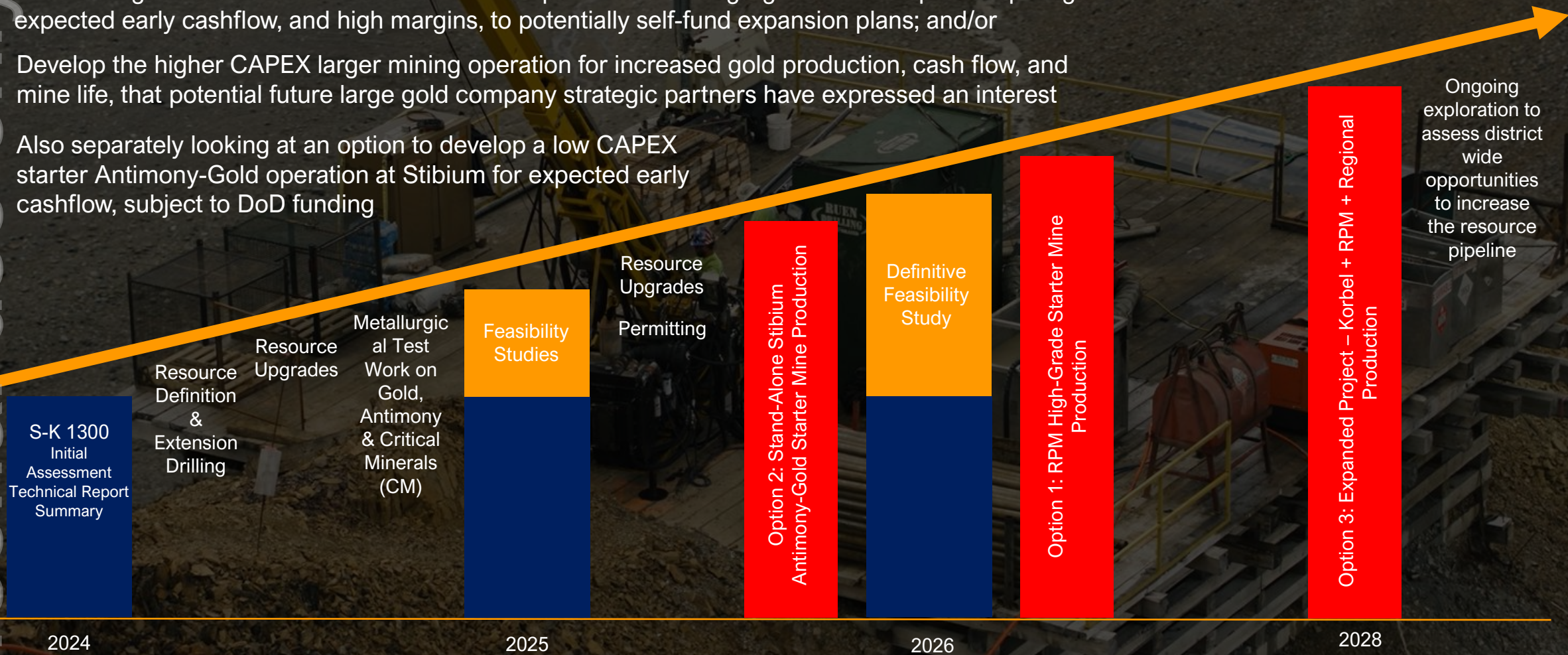
Feasibility Studies currently underway is considering a strategy to achieve production with a scalable operation, by:

- 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

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Ongoing exploration to assess district wide opportunities to increase the resource pipeline

All timelines are projected only and subject to assay lab turn arounds, market and operating conditions, all necessary approvals, regulatory requirements, funding, weather events, and no unforeseen delays

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 14 November 2024

2. Canadian market caps converted using CAD\$0.71 to USD and AUD market caps converted using AUD\$0.65 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)	 NEWFOUND (TSX:V:NFG NYSE: NFGC)	 SNOWLINE GOLD CORP (TSX-V: SGO OTCQB: SNWGF)
Studies/Reports Completed	✓ 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
Mineral Resource Estimate	✓ 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)
District Scale	✓ 200mi ² State of Alaska claims along a 20mi long mineralized trend with 20+ prospects	✓ 135mi ² State of Alaska claims with 14 prospects	✓ 1,033mi ² Newfoundland claims	✓ 1,740mi ² Yukon claim tenements over 7 projects with 35+ prospects
Tier 1 Location	✓ Alaska, USA	✓ Alaska, USA	✓ Newfoundland, Canada	✓ Yukon, Canada
Similar Terrain				
Mineralization	✓ 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)
Access	✓ 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
World Class Drill Results	✓ 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 WHD4-05 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
Drilling	✓ 90,000m drilled to date	✓ 80,000m drilled to date	✓ 500,000m drilled to date	✓ 40,000m drilled to date
Critical Elements	✓ Antimony, Bismuth, Tungsten targets	✗	✗	✗
Market Cap (Incl Investments)	~US\$36M	~US\$108M	~US\$369M	~US\$596M
Market Cap Gold Project	~US\$34M	~US\$108M	~US\$369M	~US\$596M

Nova Minerals Snapshot (As of 14 November 2024 in USD unless noted)



Share Price

NASDAQ ADS* \$7.55
 NASDAQ Warrants \$2.15
 ASX Shares \$0.205 (AUD)

Market Capitalization

\$36M (\$55M AUD)
 Market Capitalization/Resource oz **\$7**



Shares on Issue

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

Cash & Equivalents

~\$5.9M (\$9M AUD)
 ~\$4.0M Cash (As at 30/9/24) + liquid investments in Snow Lake Lithium & Asra Minerals



Options & Warrants

23.6M Options various prices & expiry dates
 455k Warrants to purchase 1 ADS at \$7.266 expiring on 24 July 2029

Debt

\$5.4M (\$8.3M AUD)
 Nebari 1st tranche convertible facility draw down



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%

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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

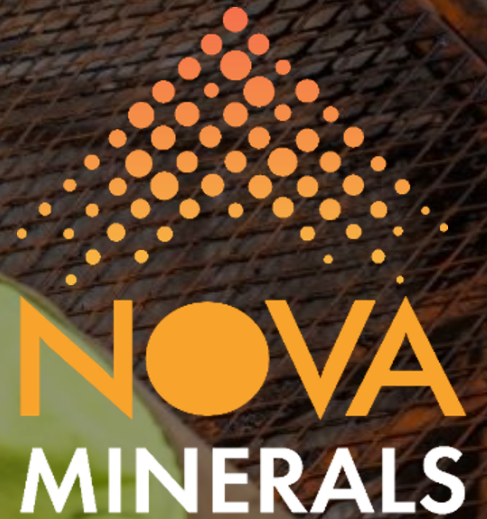


Significant resource upside potential



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

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Appendix 1: Mineral Resource Estimates (MRE)

JORC Compliant Global MRE

- High confidence, conservative Global MRE 9.9 Moz – April 2023
- Currently excludes ~7,600 of drilling undertaken in the 2nd half of 2023 and in 2024
- Includes a super high-grade zone of 180 Koz @ 4.1 g/t Au Measured
- Based on ~ 83,000m of RC and high-quality oriented diamond core drilling
- Comprises of 4 large IRGS deposits
- Resources from surface and all deposits remain open with significant potential upside
- Suitable for large scale open pit mining

Deposit	Cutoff	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
RPM North	0.20	1.4	4.1	0.18	3.3	1.5	0.16	26	0.6	0.48	31	0.8	0.82
RPM South (Maiden)	0.20							31	0.4	0.42	31	0.4	0.42
Total RPM Mining Complex		1.4	4.1	0.18	3.3	1.5	0.16	57	0.5	0.90	62	0.6	1.24
Korbel Main	0.15				320	0.3	3.09	480	0.2	3.55	800	0.3	6.64
Cathedral (Maiden)	0.15							240	0.3	2.01	240	0.3	2.01
Total Korbel Mining Complex					320	0.3	3.09	720	0.2	5.56	1,040	0.3	8.65
Total Estelle Gold Project		1.4	4.1	0.18	323	0.3	3.25	777	0.3	6.46	1,102	0.3	9.89

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
Total RPM		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
Total Korbel					240	0.3	2.39	240	0.3	2.39	185	0.3	1.65	425	0.3	4.05
Total Estelle Gold Project		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

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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

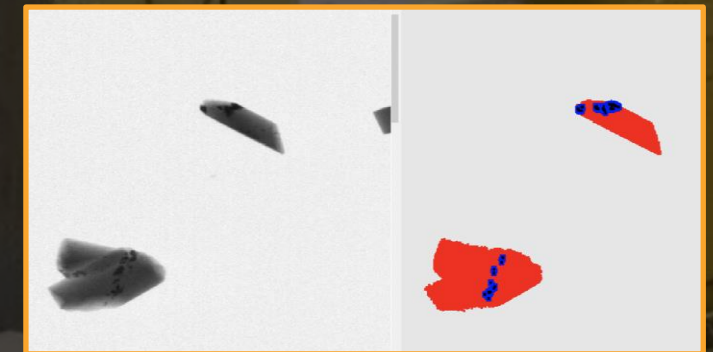
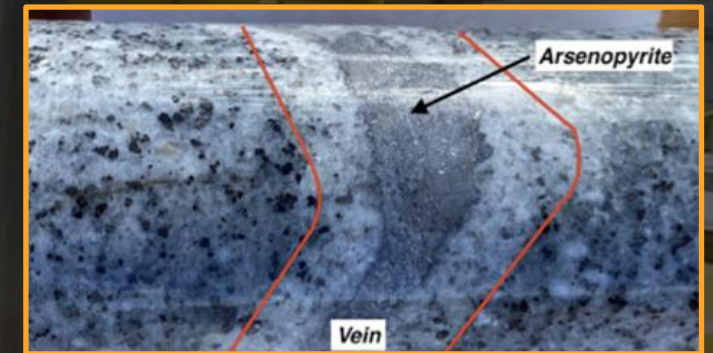
- Each individual rock is classified as being ore or reject using real-time online sensors
- The sensor data is quickly analyzed allowing individual particles to be sorted with high-grade ore sent for milling and the reject ore sent to heap leach

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.