



DECEMBER 2025

Developing a tier one gold asset and securing U.S. domestic antimony supply

Investor Presentation

ASX: NVA | NASDAQ: NVA

www.novaminerals.com.au

Disclaimer



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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) – *Mr Jonathan Abbott*. 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. The exploration results referred to in this Presentation are taken from prior ASX releases which are set out in the annotations, all of which are available at www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The form and context in which the competent person's findings are presented have not been materially modified.

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There are a number of risks specific to the Company and of a general nature which may affect the future operating and financial performance of the Company and the value of an investment in the Company, including and not limited to the Company's capital requirements, the potential for shareholders to be diluted, risks associated with the reporting of resources estimates, budget risks, risks associated with the COVID-19 pandemic and operational risk. An investment in Shares is subject to known and unknown risks, some of which are beyond the control of the Company. The Company does not guarantee any particular rate of return or the performance of the Company.

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

Disclaimer



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Overview of Nova Minerals

Rapidly advancing world class U.S. gold and antimony assets towards production



Antimony

Fully-funded to establish a United States ("U.S.") domestic antimony supply chain by late 2026/2027

Recipient of US\$43.4M United States Dept. of War ("DoW") award funding

Targeting production in 2026 / 2027

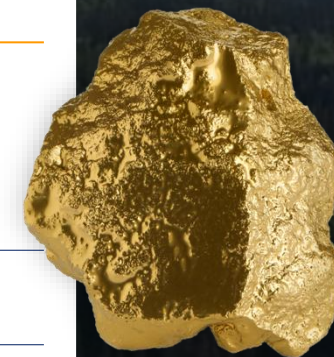


Gold

One of the world's largest undeveloped gold deposits in a tier-1 jurisdiction

9.9Moz JORC resource¹ | 5.2Moz S-K 1300 resource¹

Feasibility studies underway, due for completion in 2026



Right Commodities

Unique exposure to traditional precious metals and strategic supply chains

Experienced Team

Experienced leadership team in place to deliver Estelle into production

Right Location

Located in mining-friendly Alaska, all on state lands, with streamlined permitting

1. Refer to the appendix for the Mineral Resource Estimate ("MRE") tables. Economic pit constrained resource compliant to JORC and S-K 1300 standards.

Corporate Overview

As of 22 December 2025, in USD unless noted



Capital Structure

Shares on Issue ¹	451,028,203
NASDAQ Listed Warrants ² (various exercise/expiry)	110,722
Performance Rights (Various hurdles)	2,400,000
Share Price – ASX (22 December 2025)	A\$0.935
Share Price NASDAQ ADS's (18 December 2025 – 1 ADS = 12 shares)	US\$7.10
Market Capitalization	US\$283M
Cash after funds from US raise ³	~US\$30.1M
U.S. DoW Award Grant	US\$43.4M
Debt	Nil

Research Coverage



Member of NYSE - FINRA - SIPC

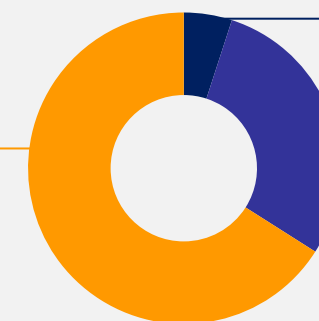
1. Includes ~18.5M ADS's where 1 ADS = 12 shares following the 1:5 ADS split.
2. Each warrant exercisable for 5 ADS's following the 1:5 ADS split.
3. Cash as at 30 September 2025 US\$11.4M + US\$18.7M in net proceeds from the US raise
4. AUD / USD = 0.67

Share Structure

Top 20 61%

Top 50 70%

66%
Balance of
Register



5%

Board and
Management

29%

Strategic and
Institutions

12 Month Share Price

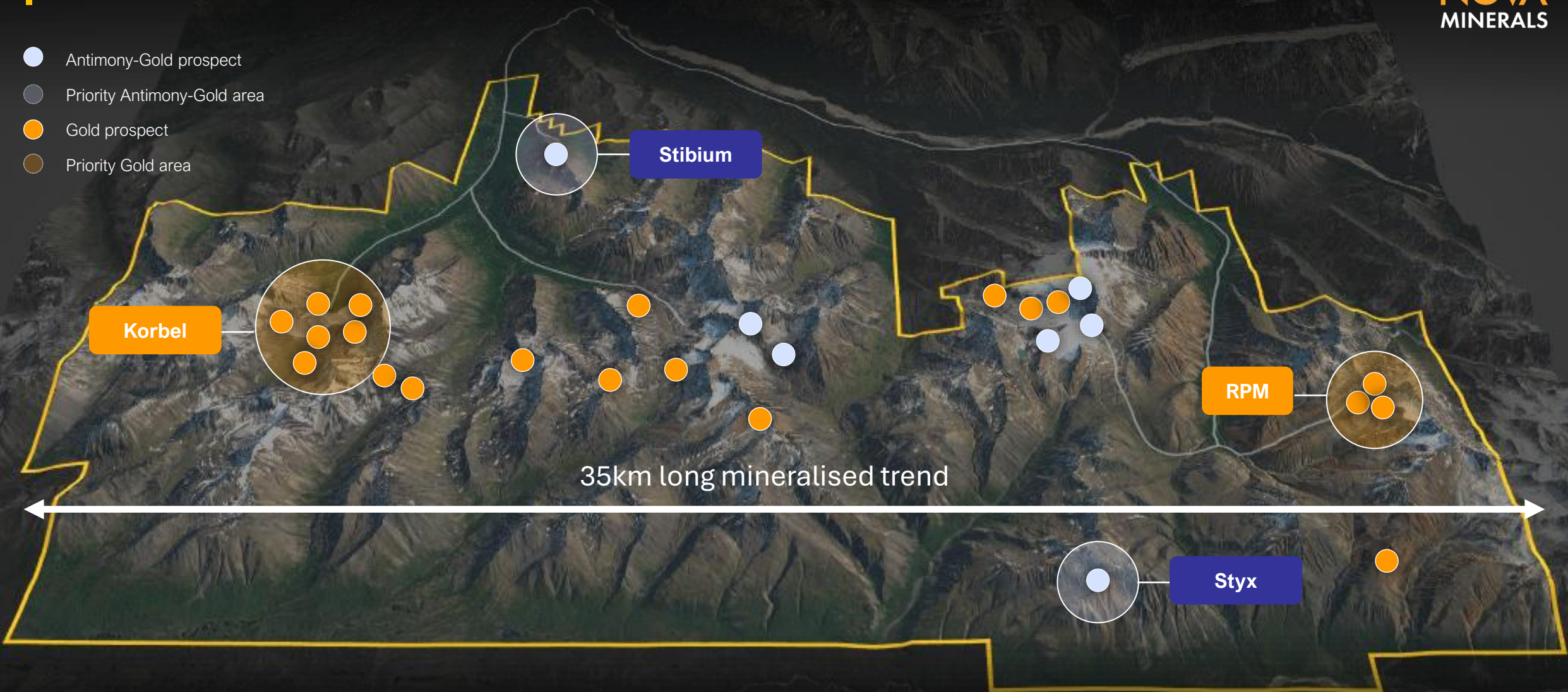


District-Scale, Long Life Gold and Antimony Project

514km² with gold and antimony assets within the one U.S. project



- Antimony-Gold prospect
- Priority Antimony-Gold area
- Gold prospect
- Priority Gold area



Located in Mining-Friendly Alaska

All on state lands with streamlined permitting



Regulatory advantage – 514km² of State of Alaska claims



No federal or native title claims on tenements



Alaska has a long history of mining with a streamlined permitting process



Estelle is fully permitted for exploration



Presidential order signed to “ensure Alaska can take advantage of every opportunity to explore and develop its tremendous resources”



Provides a Unique Exposure to Dual Commodities – Gold and Antimony



Gold – Precious mineral near all time highs



Central bank gold purchases have increased significantly



“Safe haven” in times of elevated geopolitical risk



Effective hedge against inflation



Classified as a Tier 1 asset under Basel III regulations



Antimony – Strategic mineral with no U.S. supply



Essential for industrial, defence and tech sectors



Designated critical mineral globally



Limited supply – Chinese dominated production



Strategic stockpiles in the U.S. depleted



Experienced Leadership Team in Place to Deliver Estelle into Production



Experienced management who have collectively personally invested over US\$5M and who are committed and aligned to ensure Nova fulfils its vision of getting Estelle into production as soon as possible.

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.

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.

Louie Simens

Executive Director & COO



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.

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.

Dovi Berger

Non-Executive Director



10+ years' experience in capital markets and M&A, blending accounting and operational expertise to drive acquisitions and compliance.



Supported by an industry leading technical team comprising over 50 contractors, environmental and permitting consultants, precious and critical minerals processing experts, and mining engineers



| Estelle Project

Estelle's Antimony Assets

Fully-funded to establish a U.S. domestic antimony supply chain by late 2026/2027



Key Highlights

7

Antimony-gold prospects

Up to 60.5% Sb

Surface outcropping, with 20+ samples
> 20% Sb

US\$43.4M

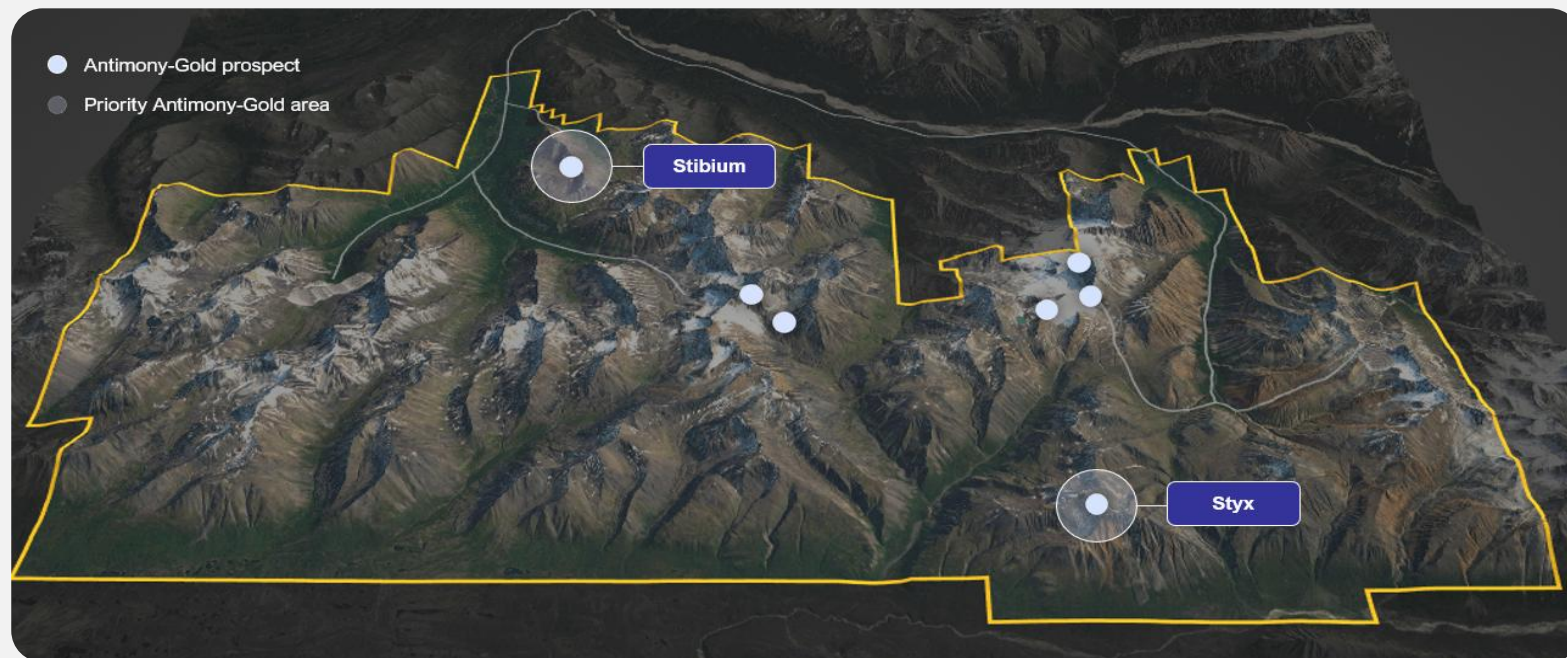
1 of 2 projects in the U.S. with DoW funding

2026/27

Target production

Phase 2

Scale up operations



Core Differentiators

Commanding first-mover advantage as the sole emerging fully integrated antimony producer

With permitted land in an industrial zone, robust government support, and critical infrastructure in place for its planned Stage 1 and 2 downstream refinery at the deep-water Port MacKenzie, Nova is positioned to become a pivotal supplier in the U.S. antimony market

Key Antimony Prospects

High-grade antimony and gold



Styx

High-grade antimony and gold with
5 samples > 1 g/t Au up to **9.8 g/t Au**
9 samples > 1% Sb up to **54.1% Sb**

The main Styx occurrence is a >1m thick quartz-stibnite vein (up to 50% stibnite) with excellent outcrop exposure over 20m

Ore sorting - **132% upgrade yielding 49.1% antimony trisulfide** (Sb_2S_3)

Massive stibnite stockpiled at camp for potential near term antimony production



Stibium

High-grade antimony and gold with
16 samples > 5 g/t Au up to **141 g/t Au**
12 samples > 30% Sb up to **60.5% Sb**

Surface sampling has identified an 800m long by 400m wide antimony rich zone at Stibium, which remains open

Drilling underway

Stibium access road in progress

Stibium Stand Alone Antimony-Gold Starter Mine

- Quick start up
- Low CAPEX
- Small footprint/quick permitting
- Early cashflow potential



Sample E406774 (54.5% Sb)



Refinery Land Secured

Sole emerging fully integrated antimony producer with land secured in an industrial zone



42.81 acres secured for downstream refinery with land permitted for a commercial operation of a U.S. Critical Minerals Production Hub

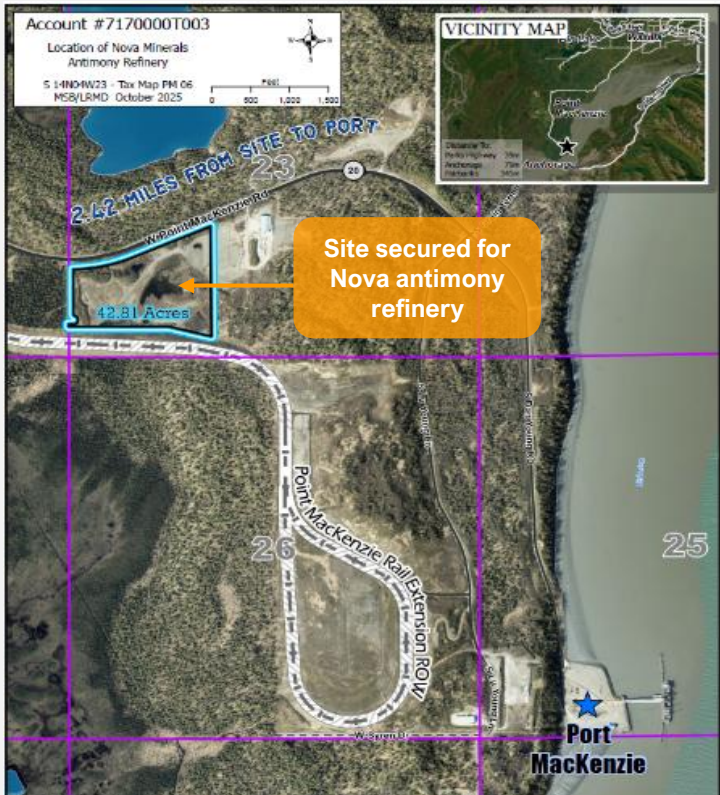
Feasibility and environmental studies to commence for downstream refinery at Port MacKenzie industrial zone site

Port MacKenzie Infrastructure

Bulk commodity export facility	Site aligned with West Susitna Access Road
1,200-foot long deep-draft dock for large vessels	Proposed 32-mile rail spur
Separate 500-foot long barge dock	Onsite power



Conceptual rendering of proposed antimony refinery



Aerial view of Port MacKenzie highlighting the site for Nova's proposed antimony refinery. Source: Port MacKenzie Operations

Antimony Project Phase 1 Key Milestones

US\$43.4M is one of the largest recent U.S. government awards to secure domestic critical minerals supply



Primary focus to produce military-spec antimony

Completed

US\$43.4M

U.S. Dept of War award



Commence resource definition drilling



Commence surface antimony ore stock piling



Secure refinery land permits at Port MacKenzie



Commence technical studies



Stibium access road



Appoint leading antimony expert



On Track

Conceptual plant design and flowsheet



Establish antimony MRE



Mine and process equipment procurement



Commence mining



Construction



Commissioning

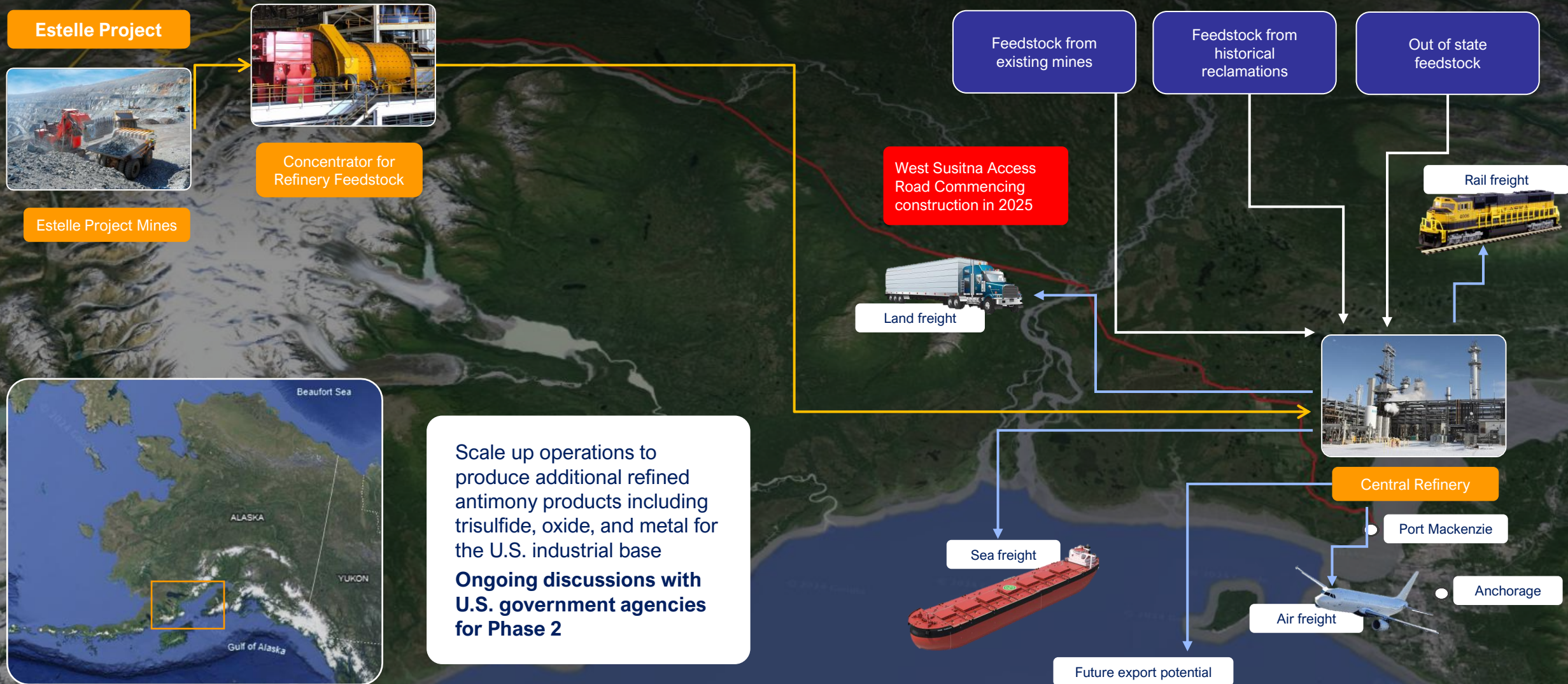


Full scale phase 1 production targeted late 2026/27



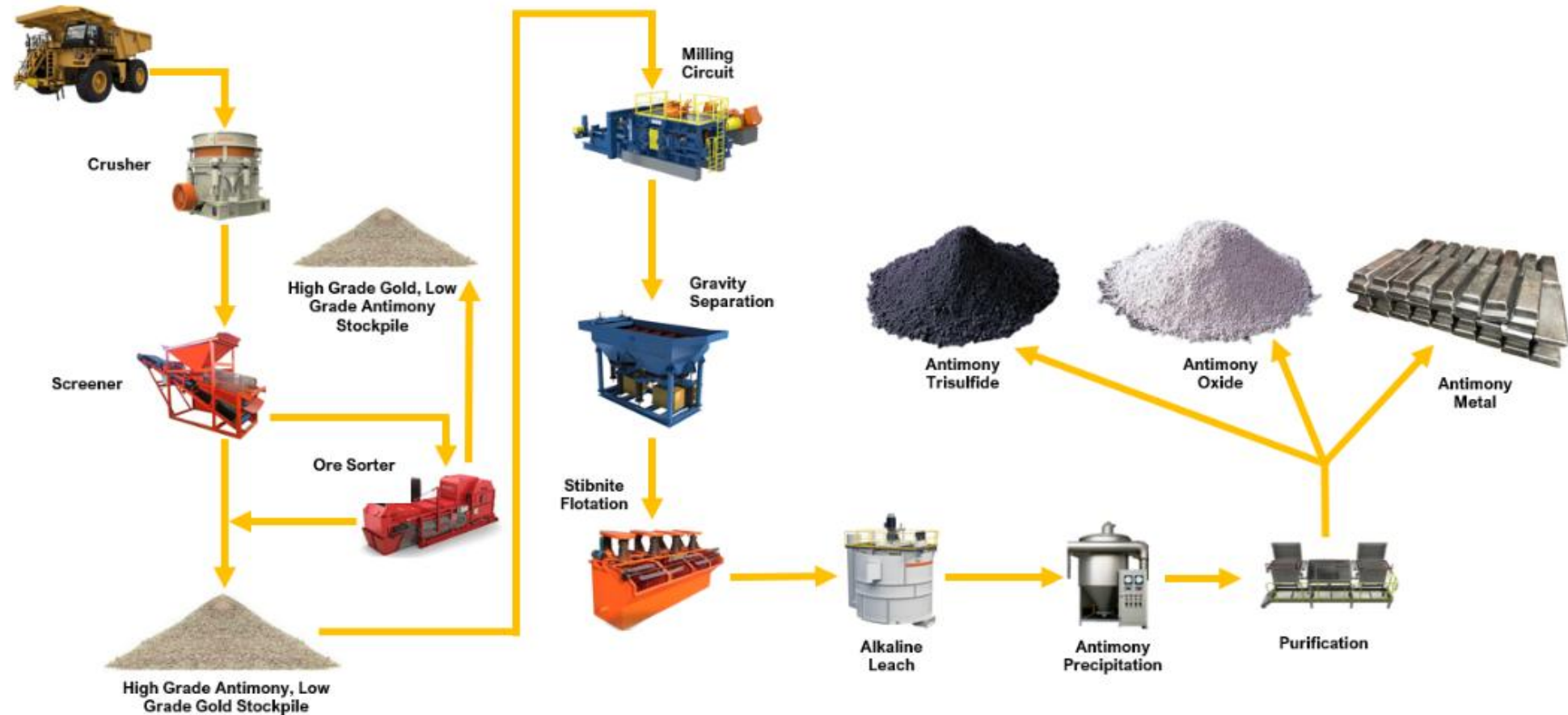
Antimony Project Phase 2 Scale Up

Proposed fully secured and integrated U.S. domestic antimony supply chain based in Alaska



High Level Conceptual Antimony Flowsheet

Process flowsheet developed for high recovery, high purity antimony



Estelle's Gold Assets

One of the world's largest undeveloped gold deposits in a tier-1 jurisdiction



Key Highlights

4

Large gold deposits

9.9Moz JORC¹

Resource

5.2Moz S-K1300¹

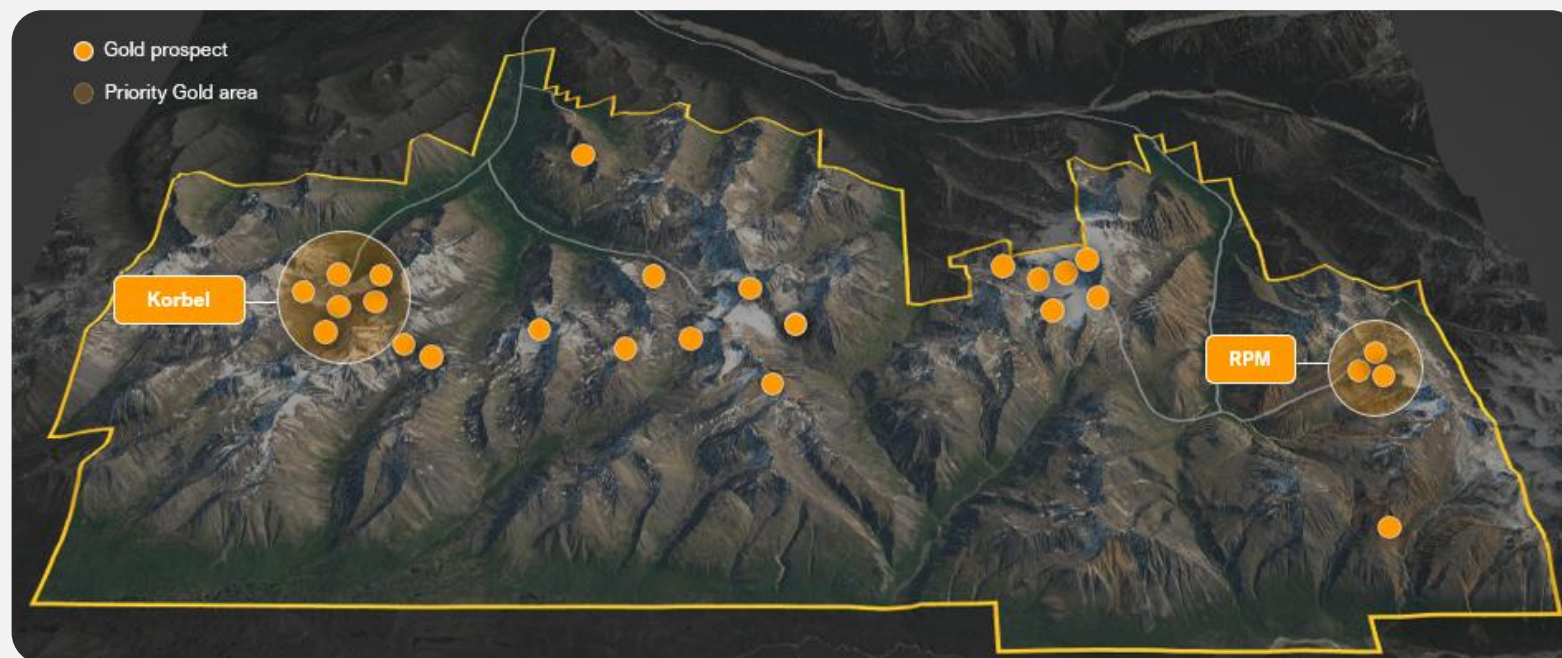
Pit constrained resource

20+

Prospects

1,290 g/t Au

High-grade surface samples



Core Differentiators

Thick high-grade drill results from surface

Open pit, bulk-mineable, low-strip ratio deposits

Proposed staged development, targeting high-grade RPM starter pit

Expansion potential at both RPM and Korbel

Feasibility studies underway for completion in 2026

35km mineralised trend

Estelle Gold Staged Development Options

1. RPM starter mine with regional expansion – High-grade resource starter pit

Train Regional Targets

Geological indications show all 3 areas are potentially genetically linked

RPM Starter Mine

High-grade from surface
(Potentially 5g/t+ Au)

Selective mining of high-grade at/near surface material 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 Starter Pit Area

RPM Regional Target

RPM Regional Target

RPM South

RPM Valley

RPM North

1km

Investigating various ore transport options incl. trucks, conveyors, cable ways, chutes

RPM

High-grade core with mineralization extending from surface and remains open



115 holes, ~27,000m drilled to date –
13,200m not in current MRE

Broad zone of continuous high-grade
gold, from surface

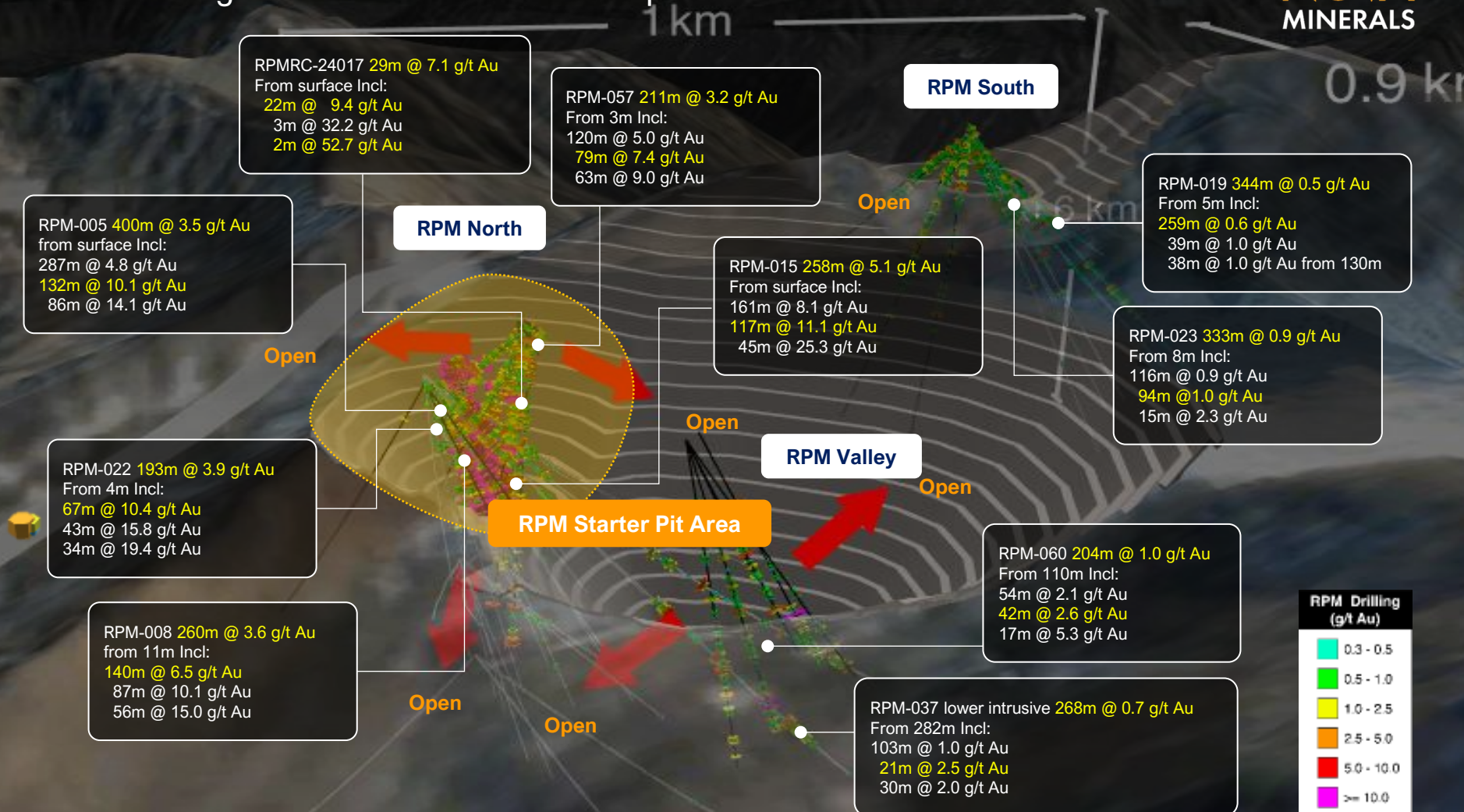
Mineralization remains wide open

Heap leach recoveries of 68.7%
achieved in lower grade ore test work

Ore sorting ore below 2 g/t Au
achieves up to 4.33 X uplift in grade

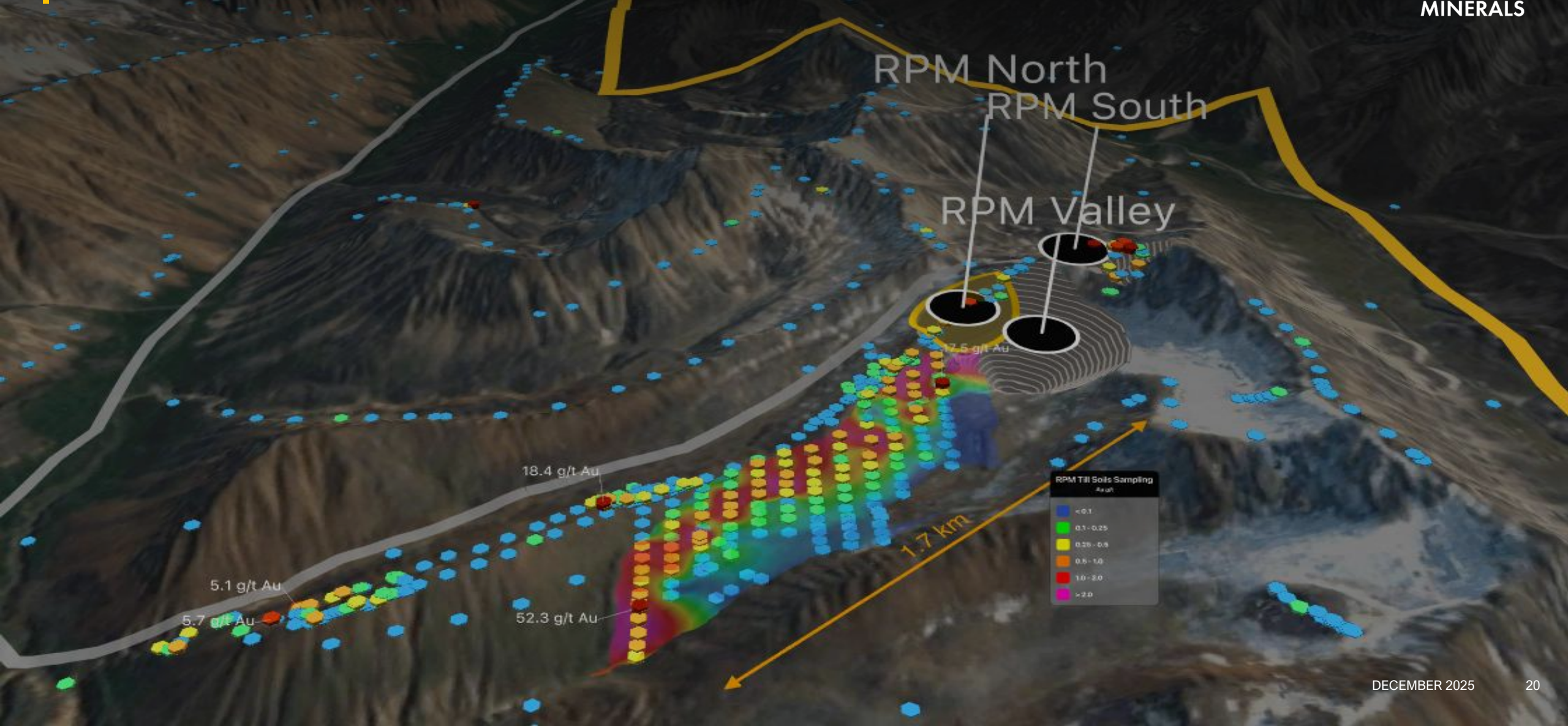
Awaiting assays for 27 holes from
2025 drilling

*Super high-grade Measured core of
180 koz @ 4.1 g/t Au within a wider
high-grade M&I Core of 330koz @ 2.4
g/t Au and a total resource of 1.13
Moz @ 0.7 g/t Au from Surface¹*



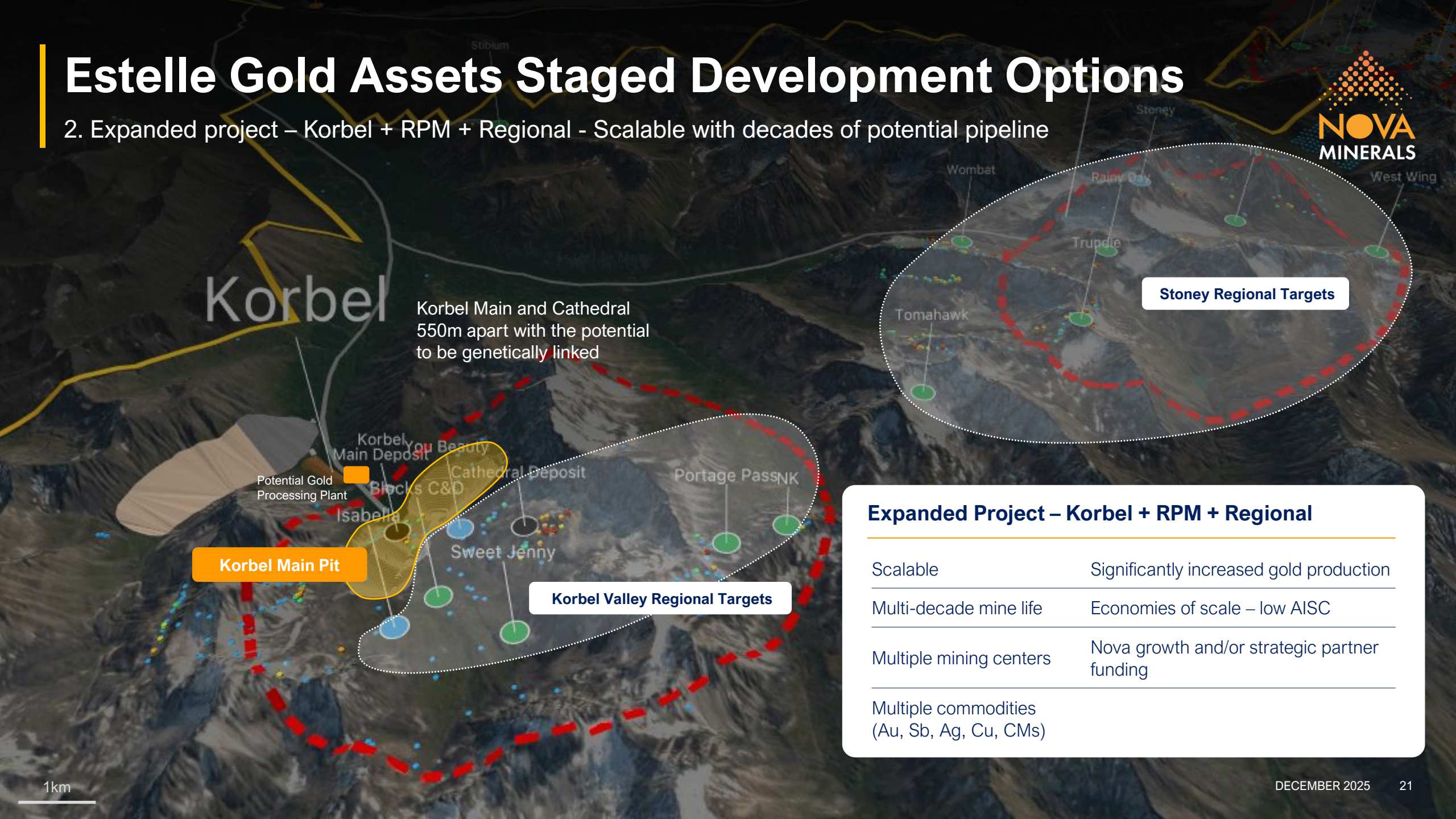
RPM Regional Upside

Glacial debris lobe averaging 1.1 g/t Au over 1.7km in till samples



Estelle Gold Assets Staged Development Options

2. Expanded project – Korbel + RPM + Regional - Scalable with decades of potential pipeline



Korbel

Korbel Main and Cathedral
550m apart with the potential
to be genetically linked

Potential Gold
Processing Plant

Korbel Main Pit

Korbel Valley Regional Targets

Stoney Regional Targets

Expanded Project – Korbel + RPM + Regional

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

Korbel

Bulk tonnage gold with low strip amenable to large scale selective mining



228 holes, ~70,000m drilled to date.

Awaiting assays from 14 shallow holes from 2025 drilling

Low strip ratio 0.76:1

Mineralization from surface and remains wide open

Ore sorting – Potentially up to 10 X uplift in grade (>5 g/t Au)

FS test work investigating the potential to heap leach Korbel ore

Environmental studies at an advanced stage

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

4.05 Moz @ 0.3 g/t Au, Including 2.39 Moz @ 0.3 g/t Au Indicated from surface, with a higher-grade feeder system¹



Sources: ASX Announcements 19 August 2020, 1 December 2020, 6 June 2021, 19 July 2021, 7 October 2021, 23 December 2021, & 28 February 2022.

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

Estelle Regional Expansion Potential > 20 Prospects

To Date < 5% of the 514km² property has been explored

35km long mineralized intrusive corridor

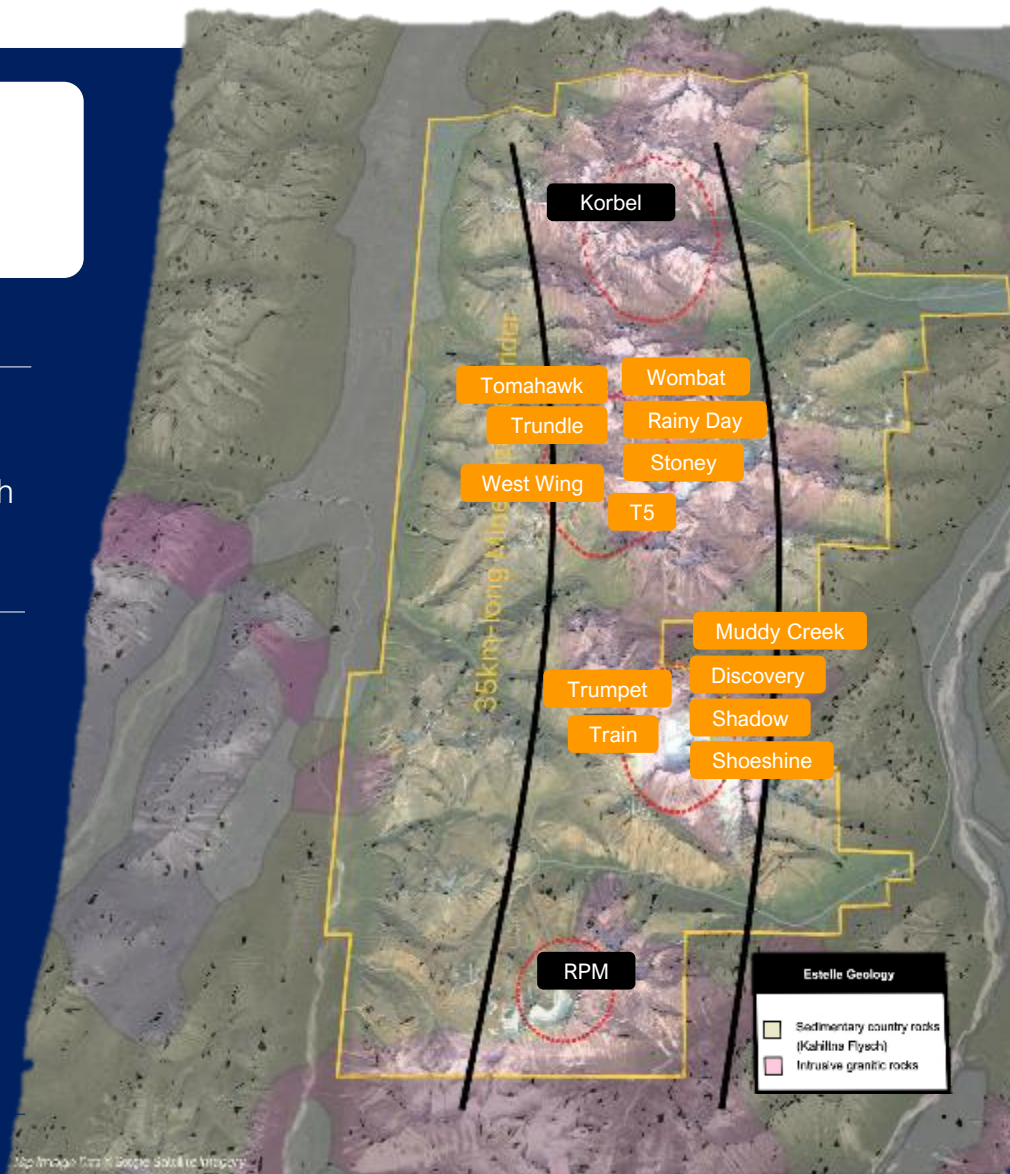
Gold, and highly elevated concentrations of Silver, Copper, Antimony and Other Critical Minerals have also been discovered across the project

Stoney Area

- 7 exciting gold, antimony, and multi-element targets in the central portion of the claim block
- Numerous high-grade gold, silver, copper and antimony rock samples with grades up to **360 g/t Au, 2,720 g/t Ag, 8.5% Cu and 1.3% Sb**

Train Area

- Six gold, antimony, and multi-element targets located ~6km north of RPM
- **Muddy Creek** - One of the most impressive gold anomalies with 24 rock samples
> 10 g/t Au up to **128.5 g/t Au**
- **Shoeshine** - Abundant antimony-enriched style gold mineralization with rock sample grades up to **1,290 g/t Au** and **0.9% Sb**
- **Trumpet** - 21 rock samples > 5 g/t Au up to **132.5 g/t Au** and 13 rock samples
> 0.5% Sb up to **16.8% Sb**
- **Train** - 32 rock samples > 5 g/t Au up to 80.2 g/t Au and 15 rock samples
> 0.5% Sb up to 10% Sb



Nova's Low-Cost Pathfinder Approach to Exploration

Geology Observed in Outcrop

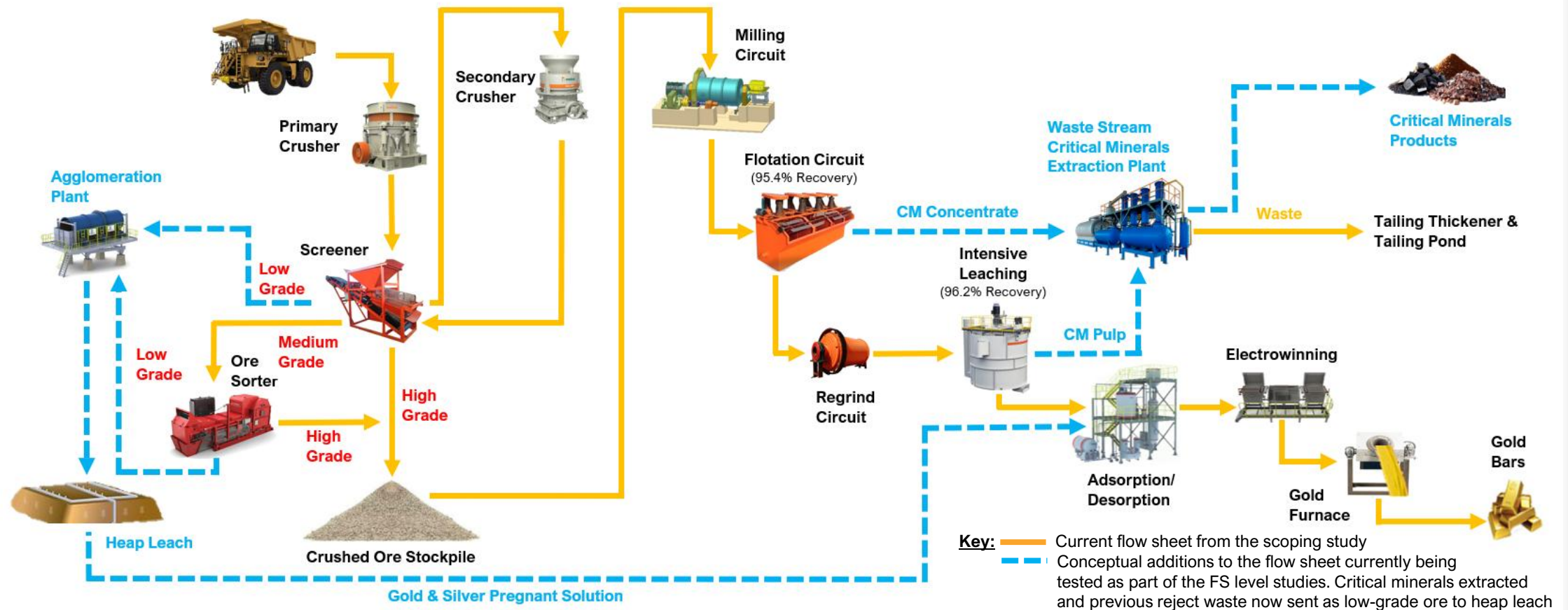
Surface Mapping & Sampling

Surface Anomaly

Drilling

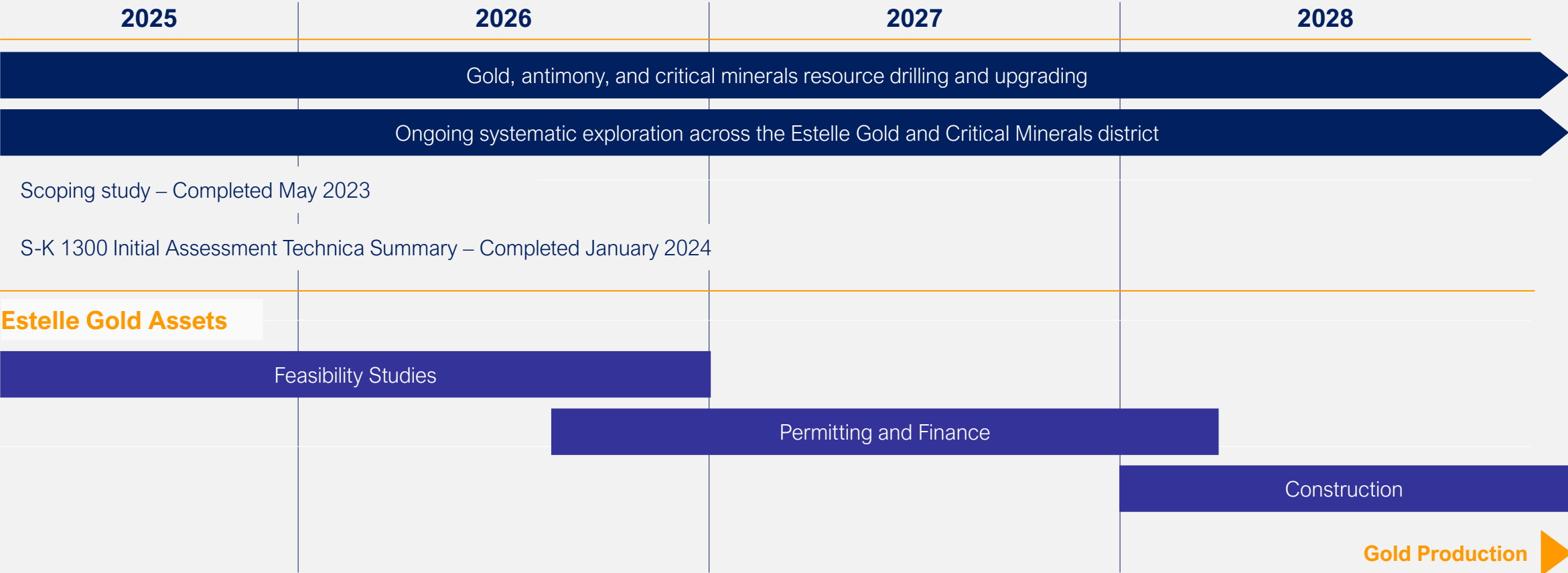
Proven and Robust Gold Flowsheet

Simple metallurgy for easy gold liberation - a big cost differentiator; further improvements are being tested



Conceptual Timeline to Gold Production

Significant value upside as the project continues to de-risk



All timelines subject to assay lan turn arounds, market and operating conditions, all necessary approvals, regulatory requirements, weather events, and no unforeseen delays

Leading North American Gold and Antimony Developer



Corporate

Strong dual commodity exposure



Gold

Building a world-class gold project in a tier-one jurisdiction



Antimony

First mover toward fully integrated U.S. antimony production



Favourable jurisdiction and tenure – all on state land



Large-scale, long-life resource with strong development fundamentals



Strategic alignment and growing U.S. government support





Thank You

Nova Minerals Limited

T +61 3 9537 1238

E info@novaminerals.com.au

W www.novaminerals.com.au

Main Operations

Whiskey Bravo Airstrip
Matanuska-Susitna Borough,
Alaska, USA

1150 S Colony Way Suite 3-440, Palmer,
AK 99645

Office

Suite 5
242 Hawthorn Road
Caulfield
Victoria 3161
Australia



Appendix A:

Antimony Overview

Antimony macros

Estelle's antimony will help address specific vulnerabilities in the U.S. supply chain



The Estelle project represents the first fully domestic antimony supply chain in decades, reducing U.S. vulnerability to supply disruptions



Factor	Current Status	Projected Impact of Estelle
Global production	China 54% with ban on exports, Russia 18%, Tajikistan 16%	Increase share of U.S. production
U.S. import reliance	Negligible domestic supply. 100% import reliant	Reduce dependencies on imports and mitigates geopolitical risks
Defense applications	100% reliant on foreign supply chains	Secure a fully integrated U.S. domestic supply chain
Price stability	Highly volatile due to Chinese exports controls	Diversified supply creates stability

Antimony Uses (USGS)

The most important critical mineral you have never heard of



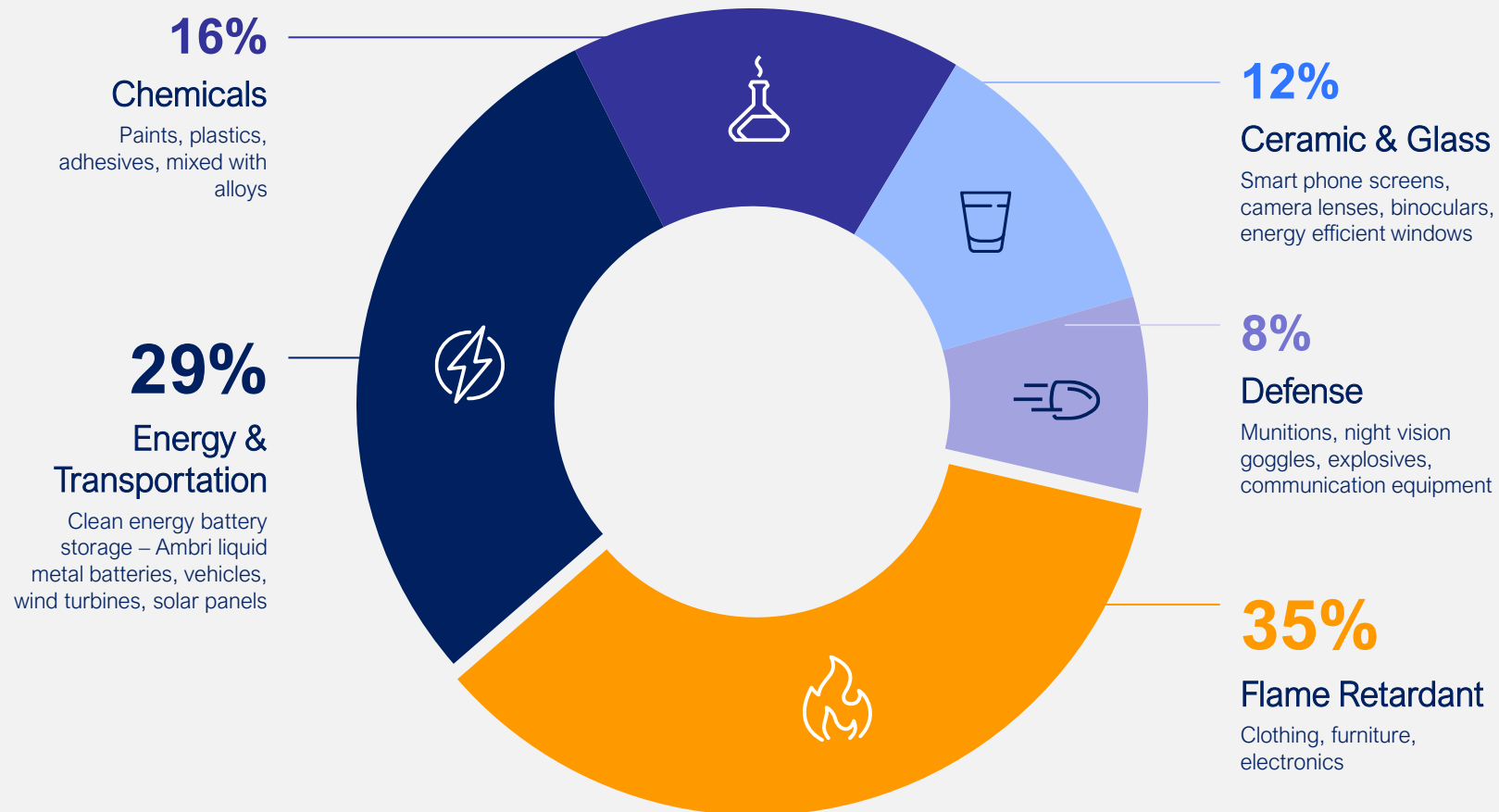
Key Properties

Heat and flame resistance

Anti-corrosion

Ability to harden and strengthen certain materials and metals

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





Appendix B:

Corporate Overview

Estelle Infrastructure Solutions

Located on State of Alaska public lands close to Anchorage



Location

- State of Alaska public lands, 150km northwest of Anchorage
- 35km long mineralized corridor on 514km² of State of Alaska Mining claims
- Alaska has a streamlined permitting process
- Fully permitted for exploration

Facilities

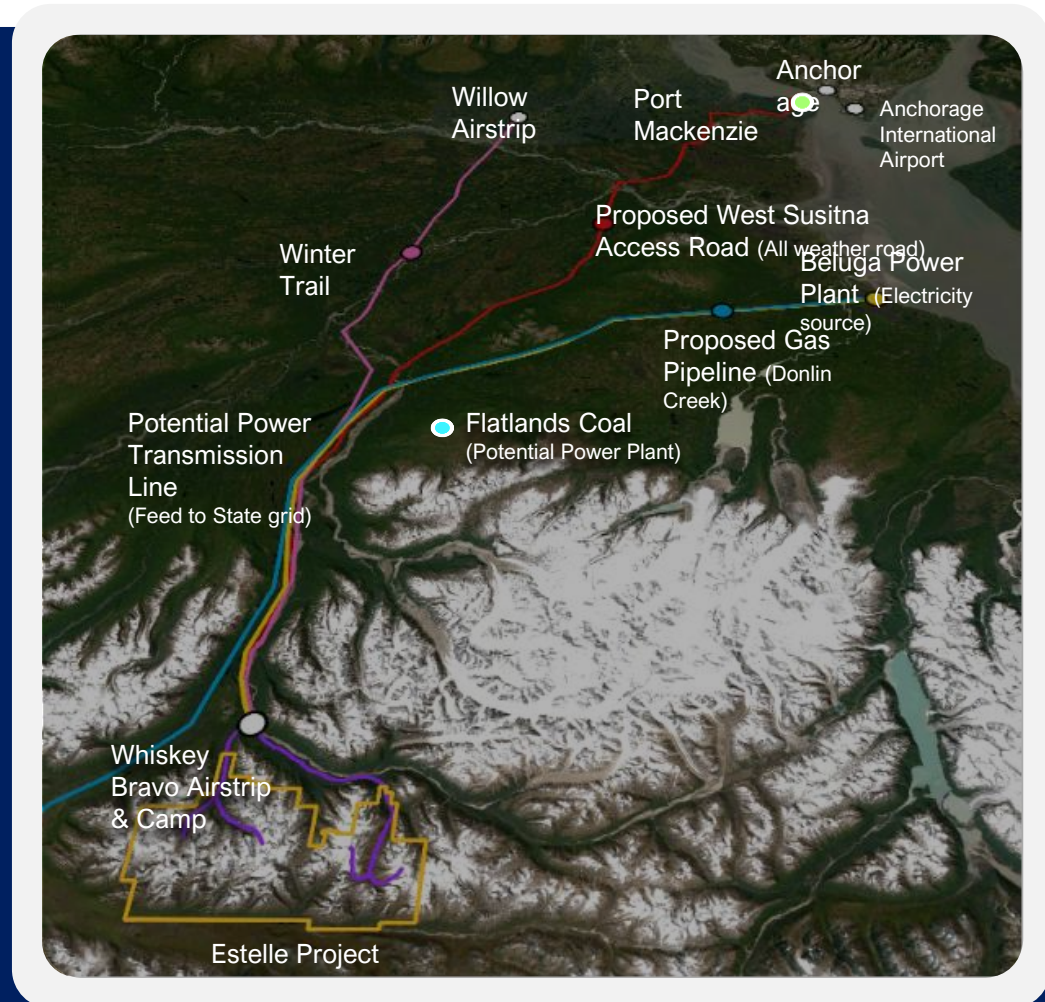
- 80 person fully winterized camp
- Onsite sample processing facility
- 4,000 foot all season airstrip which can facilitate large capacity DC3 aircraft

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

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 late 2025
- AIDEA submitted permits for the remaining portion of the road and the Governor has requested expediated permitting and priority project status in accordance with the Presidential Executive Orders



Technical Team

Industry-leading team of over 50 consultants powering Estelle's path to production



Hans Hoffman

General Manager



Professional Geologist with 20 years experience developing, conducting, and managing geotechnical engineering and mineral exploration projects primarily focused on resource development in Alaska.



Mine Engineering

Roughstock Mining are mine engineering specialists offering high-quality mine design, management, and technical services worldwide, with decades of experience ranging from grassroots exploration to large-scale operations.



Environmental & Permitting

Jade North are a team of seasoned professionals, including former state regulators, with over two decades of experience specializing in natural resource management, permitting, and regulatory strategy.



Allihies
Engineering

Antimony Metallurgy Processing

Allihies Engineering is a globally respected authority in antimony and precious metals processing, bringing over 45 years of international experience in chemical engineering, metallurgy, engineering design, mineral resource management, and industrial plant operations.

Whittle Consulting

Mine Optimization

Whittle Consulting are specialists in integrated strategic planning with over 35 years of experience enhancing mining economics through advanced optimisation beyond conventional methods

Technical Team

Industry-leading team of over 50 consultants powering Estelle's path to production



Metallurgy Processing

METS Engineering has over 30 years of experience providing specialist engineering services and innovative solutions to the mining and mineral processing industries worldwide.



Environmental Studies

Restoration Science & Engineering, LLC is an Anchorage-based firm with over 25 years of experience providing full-service environmental and civil engineering, biological services, remediation, water resources, and project permitting to Alaskan municipal, industrial, state, and federal clients



Environmental Studies

ABR, Inc. is an ecological and environmental consulting firm who provide biological, habitat, aquatic, wetland, and permitting science services with decades of experience working in challenging environments.



Hydrology

Arcadis is a global company that offers extensive hydrology services, including managing the entire water cycle through consultancy, design, and engineering solutions



Survey & Infrastructure

Recon, LLC is an Alaska-based civil, geological engineering, and surveying firm specialising in remote route reconnaissance, infrastructure development, project feasibility studies, and project management for natural resource clients



Geochemistry

SLR International Corporation is a global environmental and advisory consultancy that delivers specialist services in environmental science, engineering and sustainability.

Creating Long-Term Value for All Stakeholders

Established a Social Licence To Operate



Hire and Buy Alaskan

We strive to offer support through prioritising local employment and local procurement with our “Hire & Buy Alaskan” policy.

Support Local Communities

Nova has established strong, collaborative, and respectful working relationships with the communities adjacent to our operations and is committed to supporting them to ensure we have a meaningful impact on their culture, environment and economic prosperity.

Health and Safety

Nova is committed to adopting and adhering to best practice safety standards to maintain a culture of integrity and ownership, and to provide a safe working environment at all our locations

Responsible Development

Nova takes its environmental responsibilities seriously and is committed to achieving excellence in environmental management through understanding the sensitivities of our operations and reducing the impacts of our operations as low as reasonably practicable

Committed to creating a safe and environmentally responsible future mining operation that provides opportunities for all Alaskans.



50+

Supported local businesses



\$50M+

Spent on local procurement



100s+

Employment from local communities



Appendix C:

Mineral Resource Estimate

Mineral Resource Estimate



JORC Compliant Global MRE (April 2023)

Deposit	Cutoff	Measured			Indicated			Inferred			Total		
		Tonnes Mt	Grade g/t Au	Moz Au	Tonnes Mt	Grade g/t Au	Moz Au	Tonnes Mt	Grade g/t Au	Moz Au	Tonnes Mt	Grade g/t Au	Moz Au
RPM North	0.20	1	4.1	0.18	3	1.5	0.16	26	0.6	0.48	31	0.8	0.82
RPM South	0.20							31	0.4	0.42	31	0.4	0.42
Total RMP Mining Complex		1	4.1	0.18	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	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	4.1	0.18	323	0.3	3.25	777	0.3	6.46	1,102	0.3	9.89

JORC and S-K 1300 Compliant Economic Pit Constrained MRE (January 2024)

Deposit	Cutoff	Measured			Indicated			Inferred			Total		
		Tonnes Mt	Grade g/t Au	Moz Au	Tonnes Mt	Grade g/t Au	Moz Au	Tonnes Mt	Grade g/t Au	Moz Au	Tonnes Mt	Grade g/t Au	Moz Au
RPM North	0.20	1	4.1	0.18	3	1.6	0.15	23	0.6	0.45	28	0.9	0.78
RPM South	0.20							23	0.5	0.35	23	0.5	0.35
Total RMP Mining Complex		1	4.1	0.18	3	1.6	0.15	46	0.5	0.80	51	0.7	1.13
Korbel Main	0.15				240	0.3	2.39	35	0.3	0.30	275	0.3	2.70
Cathedral	0.15							150	0.3	1.35	150	0.3	1.35
Total Korbel Mining Complex					240	0.3	2.39	185	0.3	1.65	425	0.3	4.05
Total Estelle Gold Project		1	4.1	0.18	243	0.3	2.54	231	0.3	2.45	476	0.3	5.17