ASX Announcement

21 September 2026

Corporate Presentation

Nova Minerals Corp ("Nova Minerals" or the "Company") (NYSE American: NVA | ASX: NVA) is pleased to provide the latest Corporate Presentation - *Developing a tier one gold asset and securing U.S. domestic antimony supply*.

To watch a video of Nova's planned secure, U.S. domestic, vertically integrated antimony supply chain, in Alaska, click here

Estelle Gold and Critical Minerals Project Discussion and Analysis

Further discussion and analysis of the Estelle Gold and Critical Minerals Project is available through the interactive Vrify 3D animations, presentations and videos, all available on the Company's website. www.novamineralscorp.com

This announcement has been authorized for release by the Executive Directors.

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About Nova Minerals Corp

Nova Minerals Corp is advancing one of the world's largest undeveloped gold deposits into production and securing a U.S. domestic supply of the critical mineral antimony. The Company is focused on the exploration and development of the Estelle Gold and Critical Minerals Project, located in Alaska, a tier-one mining jurisdiction.

Estelle hosts two defined multi-million-ounce gold resources, and more than 20 prospects distributed along a 35-kilometre mineralised trend, in the prolific Tintina Gold Belt, a province which hosts a >220 million ounce (Moz) documented gold endowment and some of the world's largest gold mines and discoveries including, Kinross Gold Corporation's Fort Knox Gold Mine. In parallel, Nova is advancing its critical minerals strategy, fully funded by a US$43.4 million U.S. Department of War award to develop a domestic antimony supply chain, targeted for production in 2027.

Website: www.novamineralscorp.com

LinkedIn: https://www.linkedin.com/company/nova-minerals-corp

X: @novaminerals

Cautionary Note Regarding Forward-Looking Statements

This news release contains "forward-looking information" within the meaning of applicable securities laws. Generally, any statements that are not historical facts may contain forward-looking information, and forward looking information can be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget" "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or indicates that certain actions, events or results "may", "could", "would", "might" or "will be" taken, "occur" or "be achieved." Forward-looking information is based on certain factors and assumptions management believes to be reasonable at the time such statements are made, including but not limited to, continued exploration activities, Gold and other metal prices, the estimation of initial and sustaining capital requirements, the estimation of labor costs, the estimation of mineral reserves and resources, assumptions with respect to currency fluctuations, the timing and amount of future exploration and development expenditures, receipt of required regulatory approvals, the availability of necessary financing for the Project, permitting and such other assumptions and factors as set out herein. apparent inconsistencies in the figures shown in the MRE are due to rounding Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: risks related to changes in Gold prices; sources and cost of power and water for the Project; the estimation of initial capital requirements; the lack of historical operations; the estimation of labor costs; general global markets and economic conditions; risks associated with exploration of mineral deposits; the estimation of initial targeted mineral resource tonnage and grade for the Project; risks associated with uninsurable risks arising during the course of exploration; risks associated with currency fluctuations; environmental risks; competition faced in securing experienced personnel; access to adequate infrastructure to support exploration activities; risks associated with changes in the mining regulatory regime governing the Company and the Project; completion of the environmental assessment process; risks related to regulatory and permitting delays; risks related to potential conflicts of interest; the reliance on key personnel; financing, capitalization and liquidity risks including the risk that the financing necessary to fund continued exploration and development activities at the Project may not be available on satisfactory terms, or at all; the risk of potential dilution through the issuance of additional common shares of the Company; the risk of litigation.

Although the Company has attempted to identify important factors that cause results not to be as anticipated, estimated or intended, there can be no assurance that such forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. Forward looking information is made as of the date of this announcement and the Company does not undertake to update or revise any forward-looking information which is included herein, except in accordance with applicable securities laws. All drilling and exploration activities is subject to no unforeseen circumstances.

NOVA MINERALS

SEPTEMBER 2026

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

Corporate Presentation

NYSE American: NVA | ASX: NVA

novamineralscorp.com

Disclaimer

NOVA MINERALS

General

This presentation has been prepared by Nova Minerals Corp (Company) based on information from its own- and third-party sources and is not a disclosure document. No party other than the Company has authorised or caused the issue, lodgement, submission, dispatch or provision of this presentation, or takes any responsibility for, or makes or purports to make any statements, representations or undertakings in this presentation. Except for any liability that cannot be excluded by law, the Company and its related bodies corporate, affiliates, directors, employees, servants, advisers and agents disclaim and accept no responsibility or liability for any expenses, losses, damages or costs incurred by you relating in any way to this presentation including, without limitation, the information contained in or provided in connection with it, any errors or omissions from it however caused, lack of accuracy, completeness, currency or reliability or you or any other person placing any reliance on this presentation, its accuracy, completeness, currency or reliability. This presentation is not a prospectus, disclosure document or other offering document under US securities law, Australian law or under any other law. It is provided for information purposes and is not an invitation nor offer of shares or recommendation for subscription, purchase or sale in any jurisdiction. This presentation does not purport to contain all the information that a prospective investor may require in connection with any potential investment in the Company. Each recipient must make its own independent assessment of the Company before acquiring any securities in the Company. The Company is under no obligation to, and does not intend to, update this document after the date of its issue to reflect any changes in the information contained in this presentation.

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Each recipient of the presentation should make its own enquiries and investigations regarding all information in this presentation including but not limited to the assumptions, uncertainties and contingencies which may affect future operations of the Company and the impact that different future outcomes might have on the Company. Information in this presentation is not intended to be relied upon as advice to investors or potential investors and has been prepared without taking account of any person's individual investment objectives, financial situation or particular needs. Before making an investment decision, prospective investors should consider the appropriateness of the information having regard to their own investment objectives, financial situation and needs and seek legal, accounting and taxation advice appropriate to their jurisdiction. The Company is not licensed to provide financial product advice in respect of its securities.

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 and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments. Although management believes that the assumptions made by the Company and the expectations represented by such information are reasonable, there can be no assurance that the forward-looking information will prove to be accurate. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. 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. 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.

Forward-looking information involves known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any anticipated future results, performance or achievements expressed or implied

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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.

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.

Investment Risk

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, risks associated with exploration of mineral deposits, risks associated with changes in the mining regulatory regime governing the Company and the Project, the potential for shareholders to be diluted, risks associated with the reporting of resources estimates, budget risks, geopolitical risks and operational risk. An investment in the securities of the Company 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.

Financial Data

Unless otherwise stated, all dollar values in this presentation are in United States dollars (US$ or USD). Where Australian dollar (A$ or AUD) figures appear, they are expressly identified as such. The information contained in this Presentation may not necessarily be in statutory format. Amounts, totals and change percentages are calculated on whole numbers and not the rounded amounts presented.

Estimates, Resources, and Reserves Reporting

It is a requirement of the ASX Listing Rules that the reporting of ore reserves and mineral resources in Australia comply with the Joint Ore Reserves Committee's Australasian Code for Reporting of Mineral Resources and Ore Reserves (JORC Code). Investors outside Australia should note that while ore reserve and mineral resource estimates of the Company in this document comply with the JORC Code (such JORC Code-compliant ore reserves and mineral resources being "Ore Reserves" and "Mineral Resources" respectively), unless stated otherwise, they may not comply with the relevant guidelines in other countries and, in particular, may not comply with (i) National Instrument 43-101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators (the "Canadian NI 43-101 Standards"); or (ii) Item 1300 of Regulation S-K, which governs disclosures of mineral reserves in registration statements filed with the SEC. Information contained in this document describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of Canadian or US securities laws.

Overview of Nova Minerals

Rapidly advancing world-class US gold and antimony assets towards production

NOVA MINERALS

Antimony

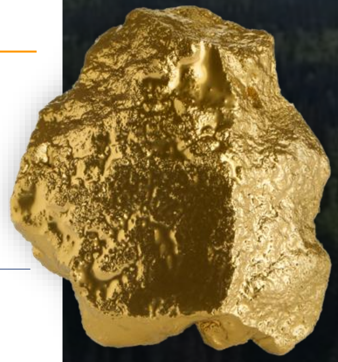
Rapidly developing an integrated US antimony supply chain, targeting production in 2027

US$43.4M United States Dept of War (“**DoW**”) award to fund phase one

Gold

Progressing one of the world’s largest undeveloped gold deposits in a tier-1 jurisdiction

9.9Moz JORC resource[1] | 5.2Moz S-K 1300 resource[1]



Right Commodities

Unique exposure to traditional precious metals and strategic supply chains

Experienced Team

Experienced leadership team in place, delivering Estelle into production

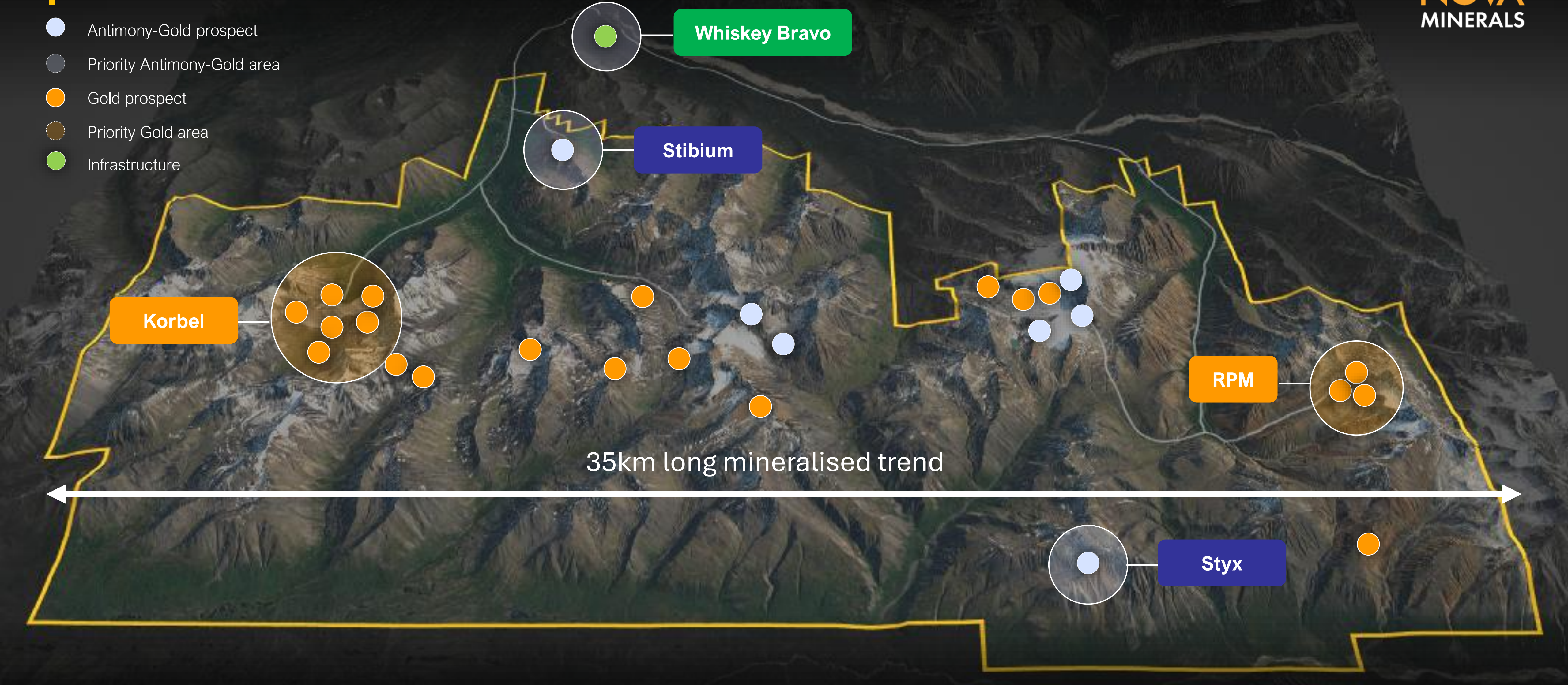
Right Location

Located in mining-friendly Alaska, all on state lands, with strong Government support

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

District-Scale, Long Life Gold and Antimony Project

514km^2 with gold and antimony assets within the one U.S. project



Located in Mining-Friendly Alaska

All on state lands with streamlined permitting

- Regulatory advantage – 514km^2 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”

Experienced Leadership Team in Place to Deliver Estelle into Production

Management and Executives

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.

Craig Bentley
Executive Director

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

Ashlie Thorburn
Chief Financial Officer

More than 20 years experience in senior leadership across the mining industry, in both public and private companies, with expertise in SEC, TSX, and ASX reporting, audit, and governance.

Hans Hoffman
General Manager

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.

Independent Directors

Richard Beazley
Independent Chairman

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

Avi Geller
Independent Director

Extensive investment experience with deep corporate finance expertise across capital markets, venture capital, private equity, and debt structures

Josh Girnun
Independent Director

Extensive experience across institutional finance and technical resource evaluation, spanning exploration, project development, advisory, and investments in metals and mining globally.

Dovi Berger
Independent Director

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

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

Corporate Overview and Activities

U.S domiciled company, listed on the NYSE American

NOVA MINERALS

Capital Structure (As of September 17, 2026, in USD unless noted)

Common Stock (NYSE American: NVA)[1]	**38,194,368**
Listed Warrants (NYSE American: NVAWW)[2] @ $1.4532, exp July 25, 2029	**332,361**
Performance Rights (Various hurdles)	**199,995**
ESOP Warrants @ $3.81, exp December 23, 2028	**1,239,578**
Common Stock Price – NYSE American (July 30, 2026)	**$6.20**
CDI Price – ASX (September 17, 2026 – 1 CDI = 1/12 of a common stock)	**A$0.72**
Market Capitalization	**$236M**
Cash (at 31 March 2026)	**~$33M**
U.S. DoW Award Grant (remainder at 31 March 2026)	**$29M**
Debt	**Nil**

Research Coverage

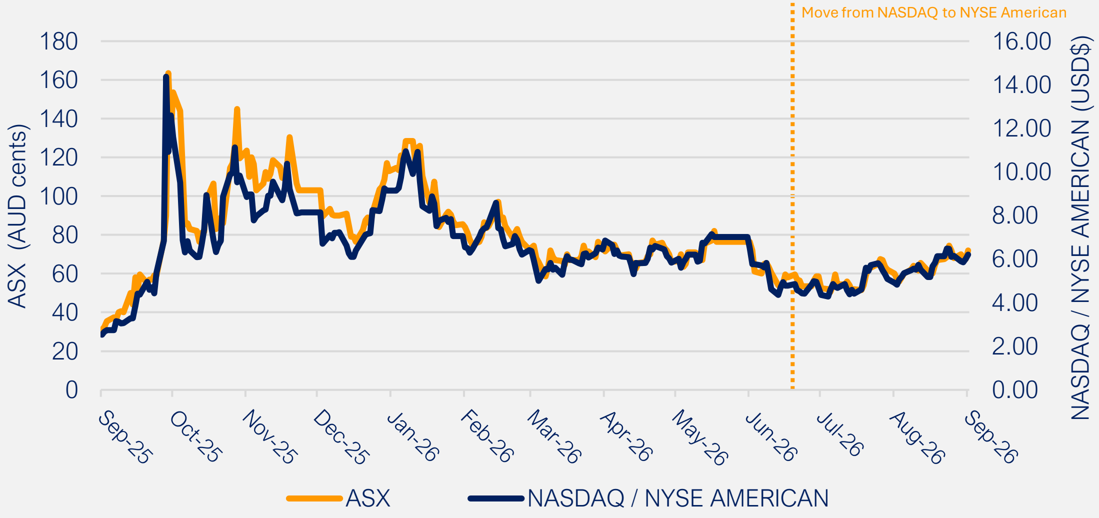
ThinkEquity

Member of NYSE - FINRA -SIPC

2026 Fully Funded Exploration and Development Programs

- ~9,000m drill program completed
- Procurement of ~500 tons of pilot plant equipment complete; shipped from Seattle to Port MacKenzie site
- Antimony pilot plant construction to commence shortly
- West Susitna Access Road: Additional US$25M in AIDEA funding approved

12 Month Share Price Performance



1. Includes ~220.8M CDI's where 1 CDI = 1/12 of a common stock (18.4M equivalent common stock)
2. Each warrant is exercisable for 1.67 common stock (553,935 common stock equivalent if all warrants exercised)

Recent Progress

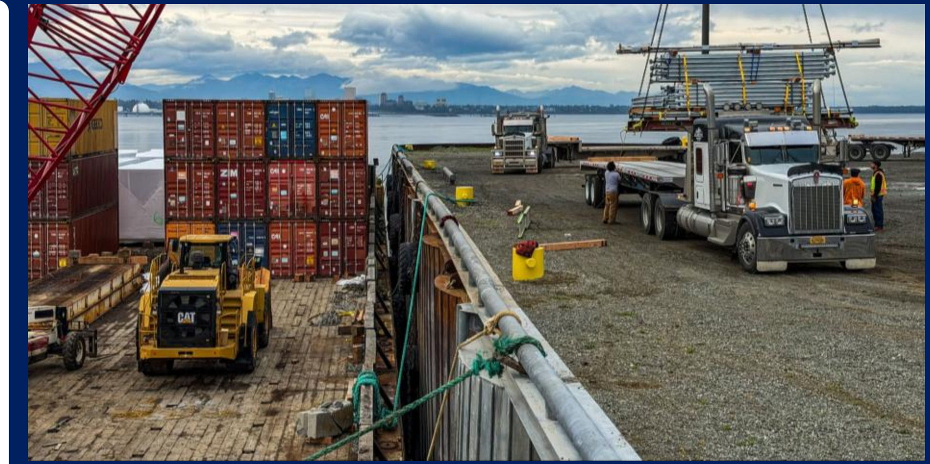
Momentum as the company executes across antimony, gold, and infrastructure through H2 2026

ANTIMONY

- **Antimony trisulfide and metal produced**; samples submitted for independent analysis
- **~500 tons of processing plant equipment** (40+ containers) delivered
- Pilot plant site prepared **ready for construction**
- Styx bulk sampling: ~100 tons of stibnite-rich ore collected for pilot plant feed
- New pads constructed and 2026 drilling at Stibium and Styx completed
- First production of military-grade antimony trisulfide remains on target for 2027

INFRASTRUCTURE

- AIDEA approves **additional US$25M in funding** for the West Susitna Access Road
- **Geotechnical drilling** on West Susitna Access Road linking Estelle to Port MacKenzie
- **Engineering and design complete** for Port MacKenzie refinery and Whiskey Bravo processing site
- Scalable, modular design enables **future expansion** into antimony trioxide and metal production
- **Stibium road** construction underway and **RPM and Korbel access road studies complete, permitting underway**
- **Airstrip expansion** underway to allow larger aircraft



Barge containing 40+ containers of equipment being unloaded at Port MacKenzie

Geotechnical drilling on the West Susitna Access Road route

Recent Progress

Momentum as the company executes across antimony, gold, and infrastructure through H2 2026

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GOLD

- Field season near completion
- **2026 drilling completed ~9,000m,** targeting RPM (Valley, Ridgeline, Upper East Side), Styx, Stibium, Stoney, and Train, with all assays pending
- **District-scale exploration** progressing through mapping, sampling and geophysical surveys
- Bench-scale flotation of Korbel ore achieved **gold recoveries consistently above 95%,** producing a high-grade concentrate of 14.7–26.7 g/t gold
- **Pre-Feasibility level studies advancing,** and metallurgical test work ongoing

Drill rig at the Stibium antimony-gold prospect

Drill rig on RPM ridgeline

Drill rig at RPM Valley

Estelle Project

Developing a Vertical Fully Integrated U.S. Domestic Antimony Supply Chain in Alaska – Pilot plant construction commencing

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Estelle Project

Estelle Project Mines

Concentrator for Refinery Feedstock

West Susitna Access Road Commencing construction in 2026

Land freight

Feedstock from existing mines

Feedstock from historical reclamations

Out of state feedstock

Rail freight

Central Refinery

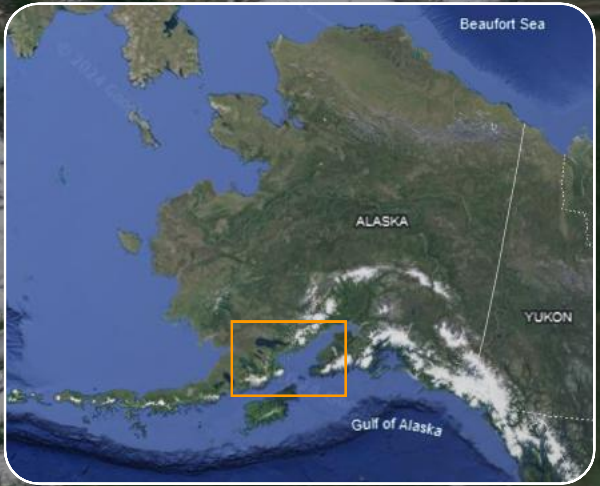
Port Mackenzie

Anchorage

Sea freight

Air freight

Future export potential



Scale up operations to produce additional refined antimony products including trisulfide, oxide, and metal for the U.S. industrial base

Ongoing discussions with U.S. government agencies for Phase 2

Estelle's Antimony Assets

Fully-funded to establish a secure U.S. domestic antimony supply chain in 2027

Key Highlights

7

Antimony-gold prospects

Up to 60.5% Sb

Surface outcropping, with 20+ samples > 20% Sb

US$43.4M

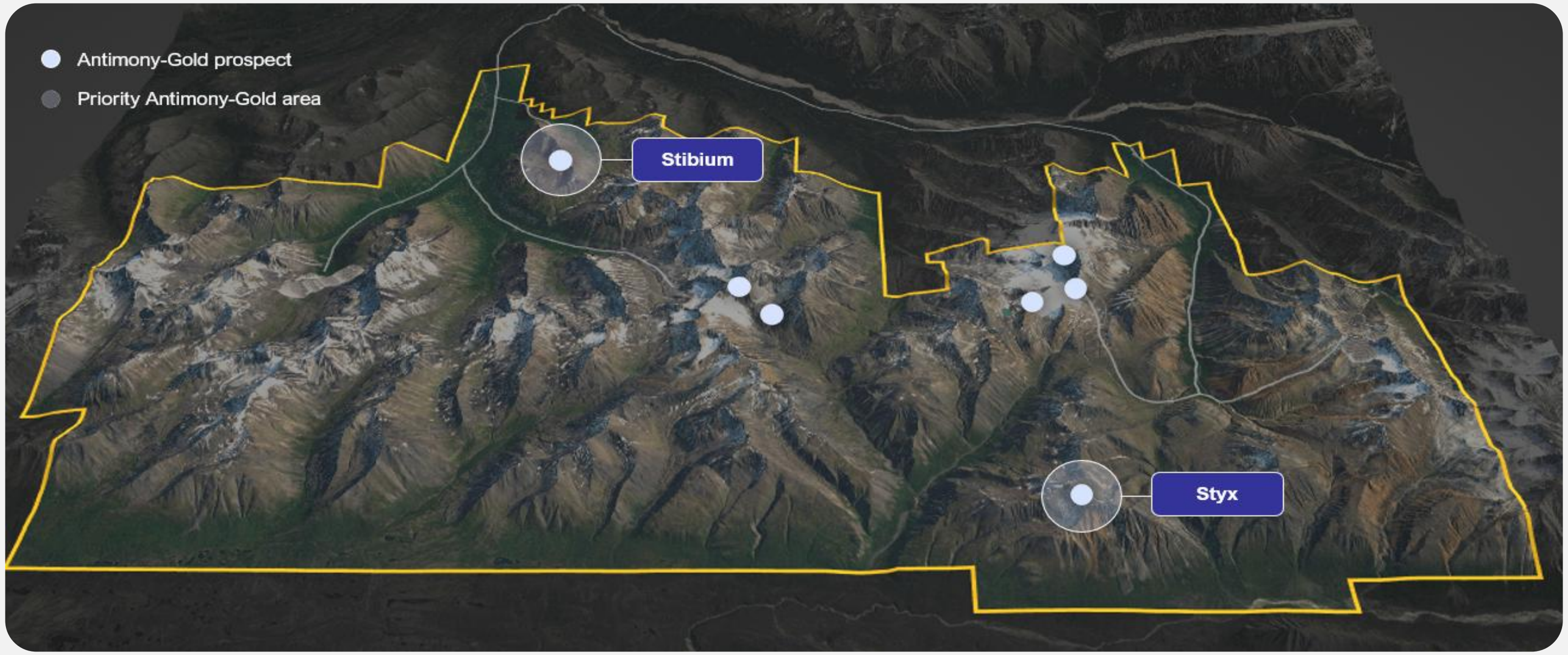
1 of 2 projects in the U.S. with DoW funding

2027

Phase 1 target production

Scale Up Operations

Phase 2



Core Differentiators

Commanding first-mover advantage developing a modern, secure, fully integrated, antimony supply chain

~500 tons of equipment delivered, permitted land secured in an industrial zone, robust government support, and infrastructure in place, positioning Nova as a pivotal U.S. antimony

Sources: ASX Announcements: 10 October 2023, 5 & 11 December 2024.

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**

Styx hosts a >1m quartz-stibnite vein, up to 50% stibnite, exposed over 20m

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

Drilling completed, assays pending

~100 tons of 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 completed, assays pending

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)

Sources: ASX Announcements: 10 October 2023, 5 & 11 December 2024.

Port MacKenzie Antimony Refinery

From design to delivery: Antimony production advancing at pace

Rendering of proposed Port Mackenzie antimony pilot plant

Antimony processing plant site which has been prepared ready for construction

Port MacKenzie refinery receives Estelle ore after concentration at Whiskey Bravo

Purpose-built modern, scalable, hydrometallurgical antimony refinery

Strategy:

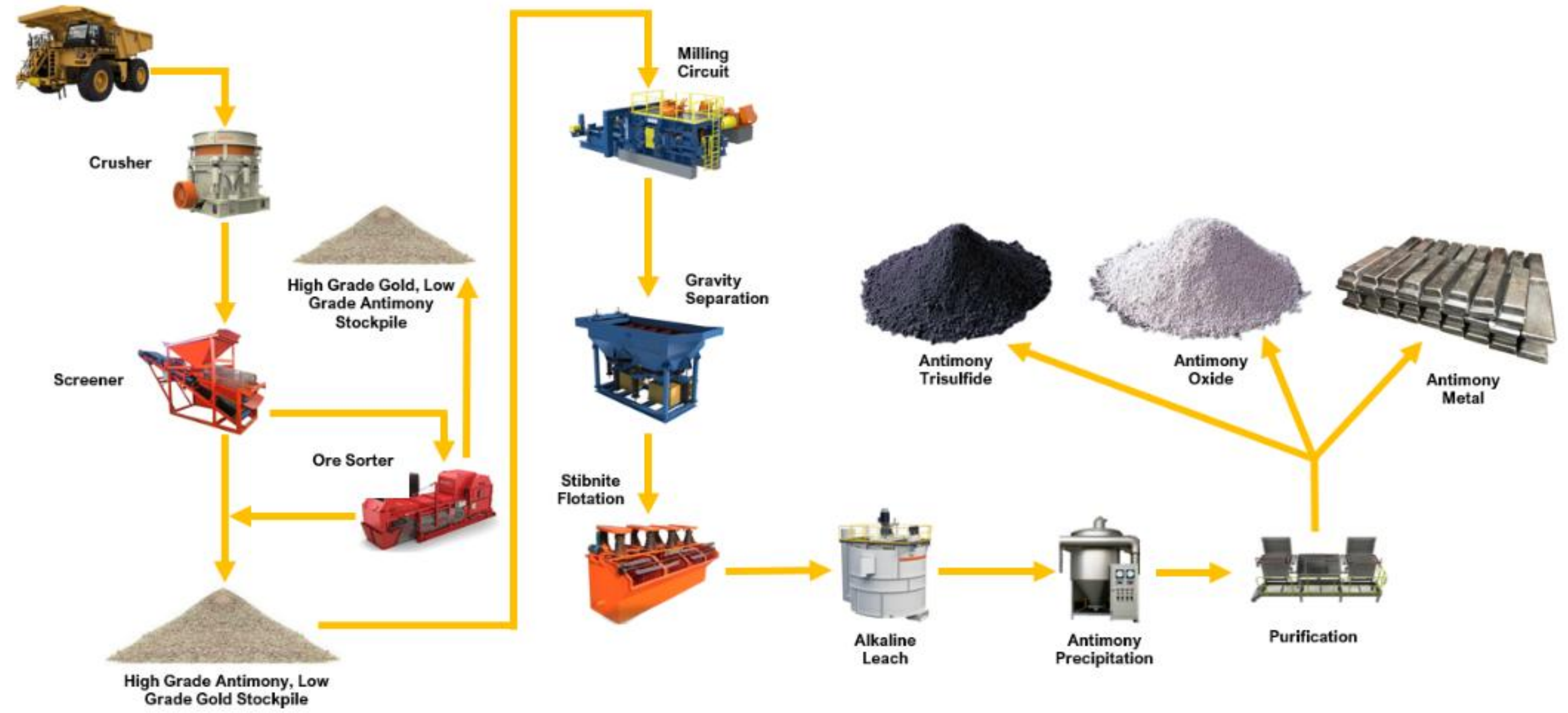
- **Phase One:** Establish near-term antimony production via a modular pilot plant, fast-tracking Nova into the U.S. critical minerals supply chain
- **Phase Two:** Scale processing capacity and expand into trioxide and metal production, unlocking a broader antimony value chain
- Position Port MacKenzie as a regional processing hub, with potential to service feedstock from other Alaskan and allied-nation projects

Progress and Execution:

- 42.81 acres of land secured
- Engineering and design complete
- Equipment procurement finalized: 40+ containers arrived at site
- Military-grade antimony trisulfide and metal produced; under verification
- Next milestones: Plant construction, targeting pilot-scale production in 2027

High Level Conceptual Antimony Flowsheet

Process flowsheet developed for high recovery, high purity antimony using a hydrometallurgical process



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

Completed

US$43.4M
U.S. Dept of War award

- Surface antimony ore stock piling
- Refinery land permits at Port MacKenzie
- Technical studies
- Stibium access road construction commenced; West Susitna Access Road advances with additional US$25M in AIDEA funding approved
- Appoint leading antimony expert
- Conceptual plant design and flowsheet; antimony trisulfide and metal produced at laboratory scale
- Mine and process equipment procured and delivered

On Track

- Resource definition drilling
- Ore mining and stock pilling
- Construction
- Commissioning
- Antimony MRE
- Phase 1 production targeted 2027
- Phase 2 scale up commercial production

Estelle's Gold Assets

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

Key Highlights

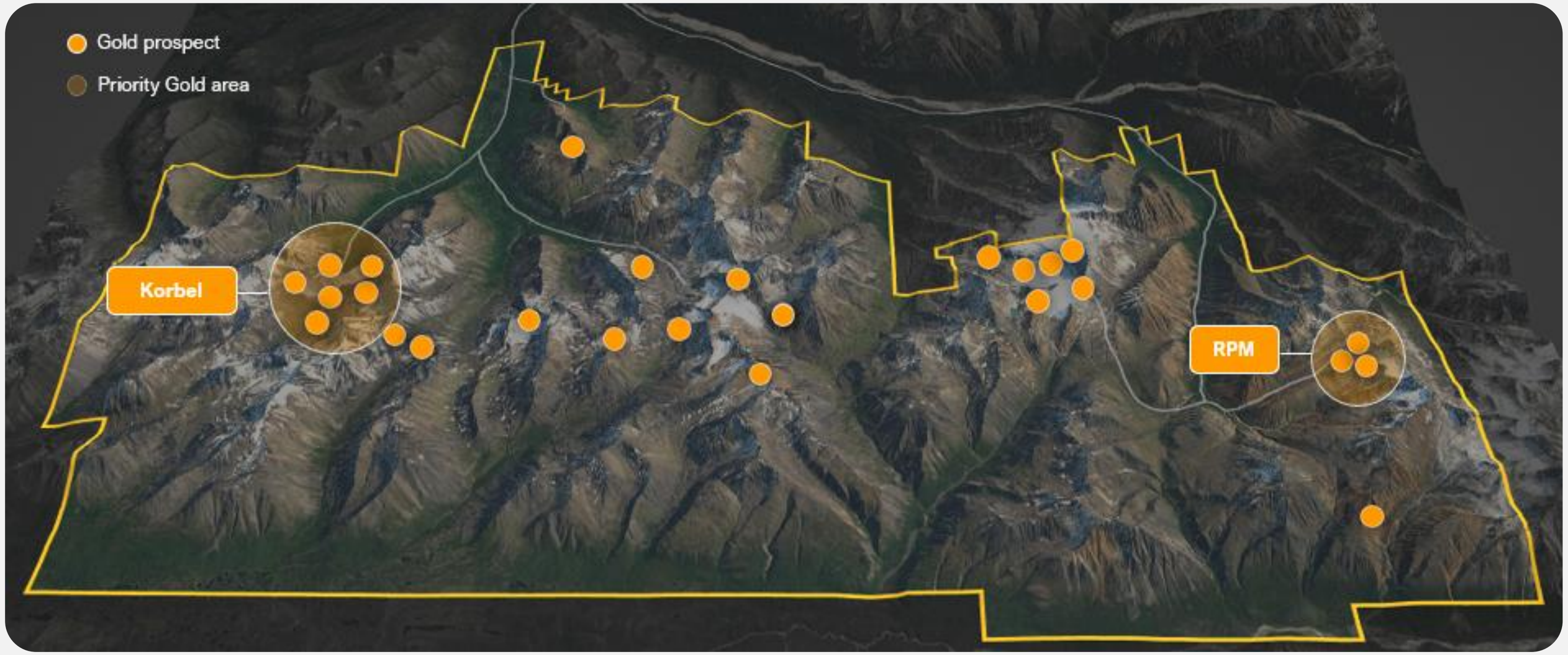
4
Large gold deposits

9.9Moz JORC[1]
Resource

5.2Moz S-K1300[1]
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
- 35km mineralised trend

Sources: ASX Announcements 26 August 2020, 16 & 20 November 2023, 5 December 2023, & 26 February 2024.
1. Refer to the appendix for the MRE tables. Economic pit constrained resource compliant to JORC and S-K 1300 standards.

Estelle Gold Staged Development Options

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

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

RPM

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

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

Broad zone of continuous high-grade gold, from surface

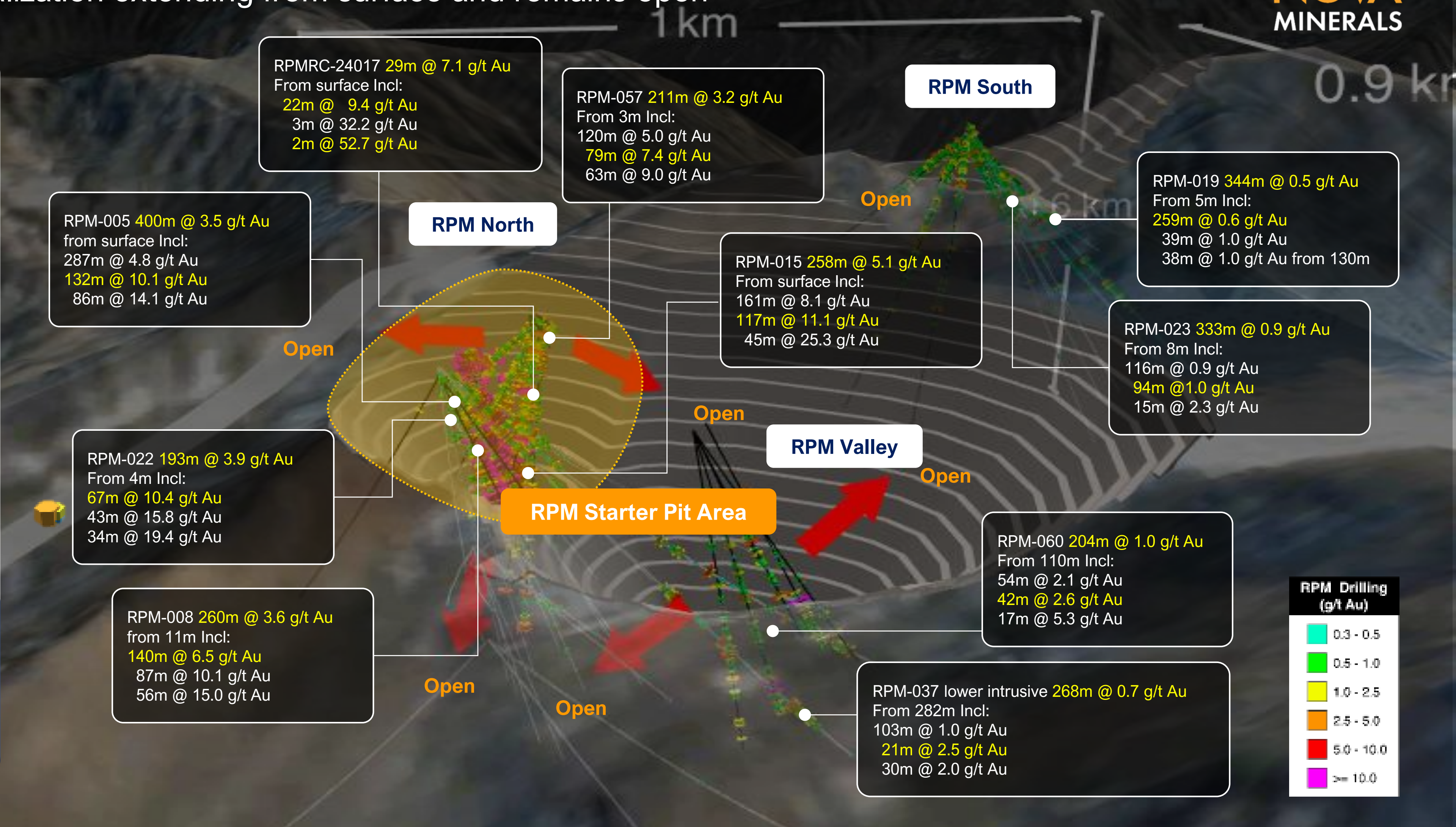
Mineralization remains wide open

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

2026 drilling focused on resource expansion along the ridgeline and to the East, and infill in the valley

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 Surface[1]

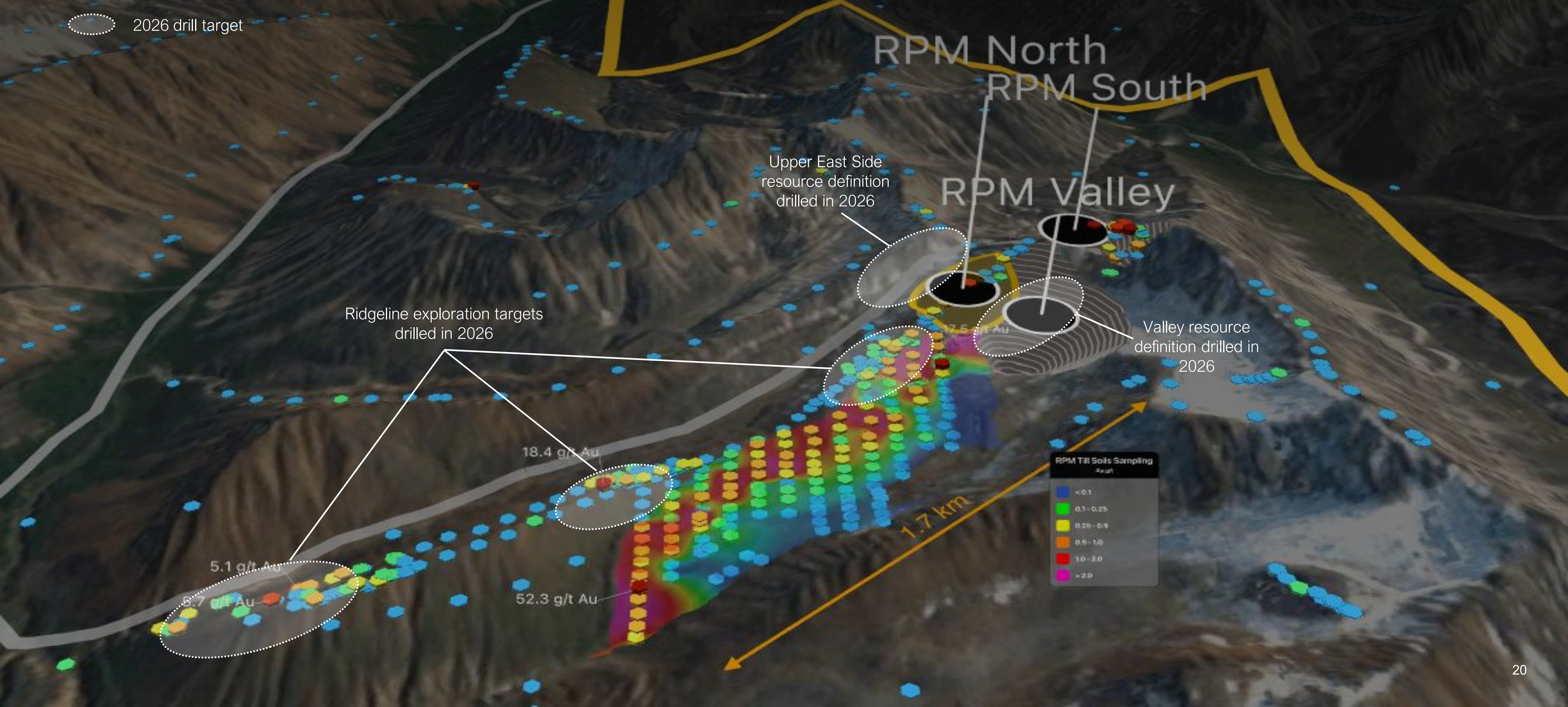


Sources: ASX Announcements 11 & 27 October 2021, 8 & 22 August 2022, 4 October 2022, 11 December 2023, 10 January & 23 October 2024, 5 August 2025, & 28 May 2026.

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

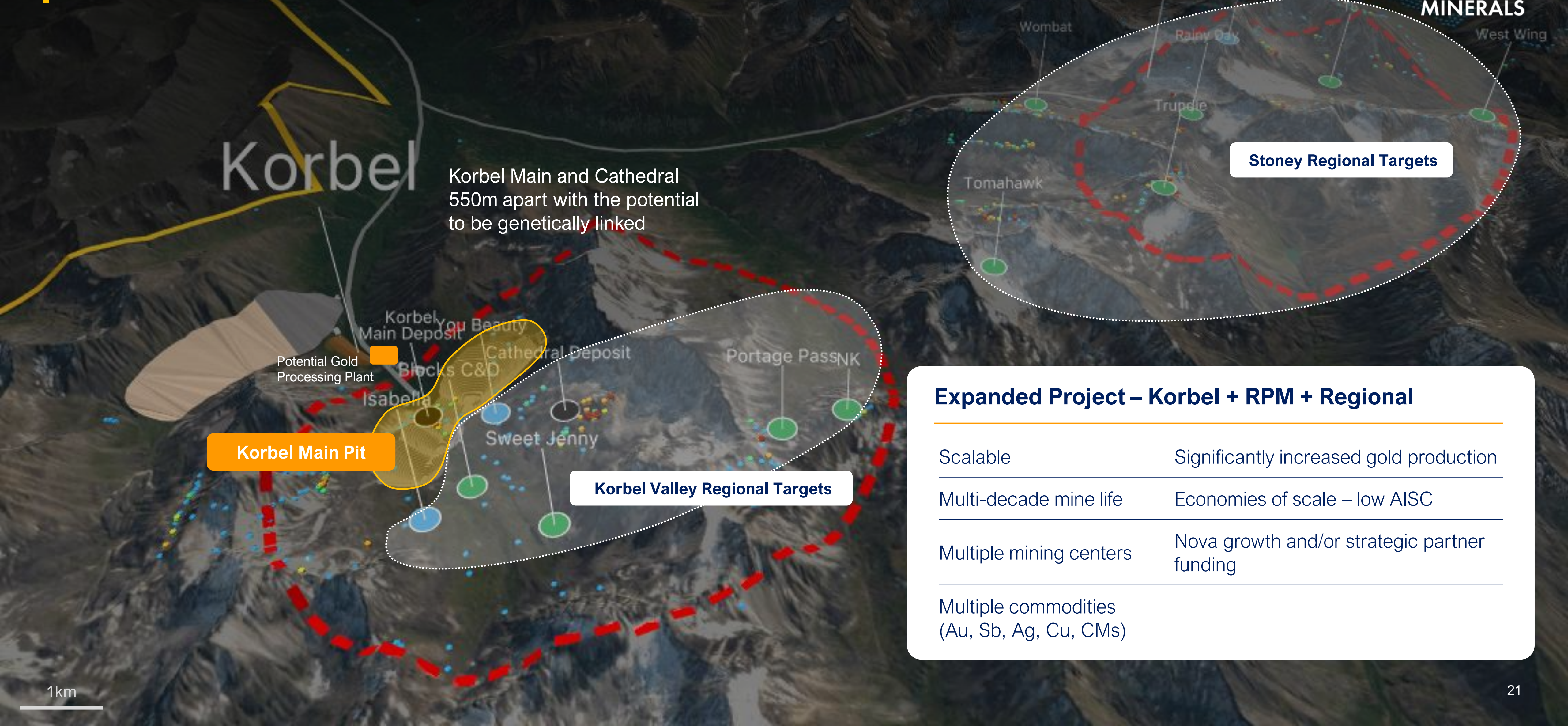
RPM Regional Upside & 2026 Drilling

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



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.

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)

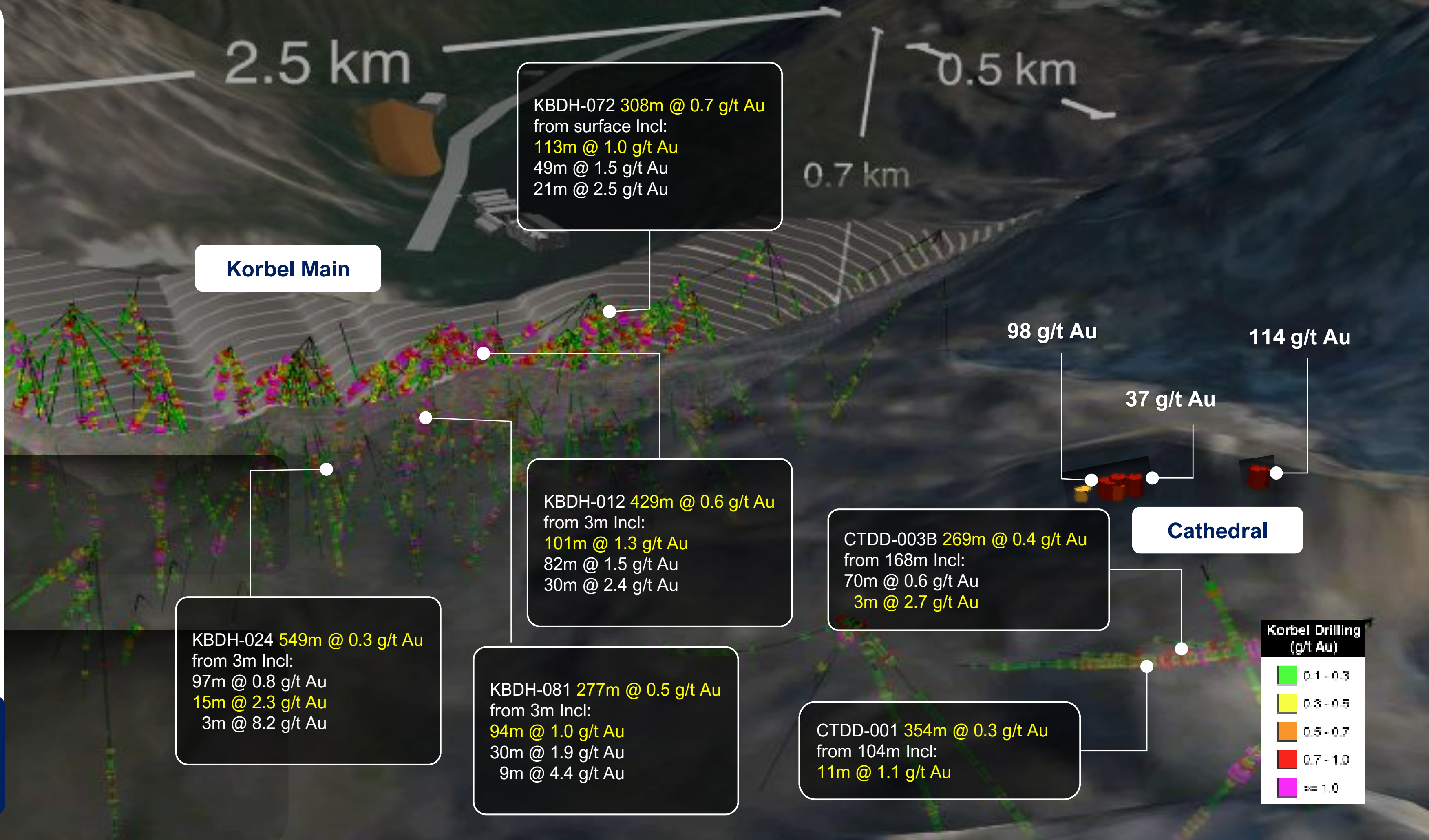
Korbel flotation results: >95% Au recovery, high-grade concentrate at coarse grind; potential to simplify PFS flowsheet

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 system[1]



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

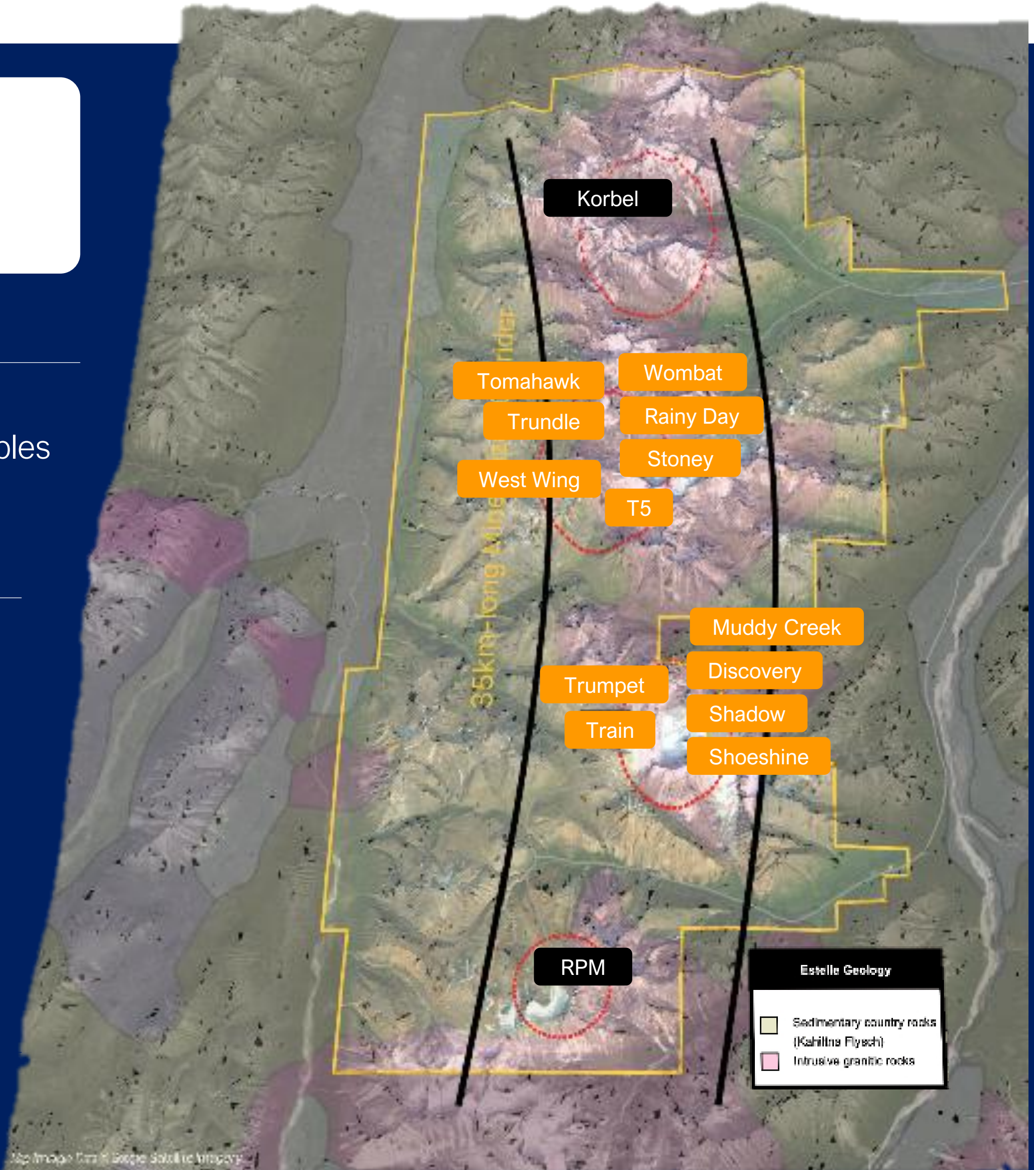
Gold, and highly elevated concentrations of Silver, Copper, Antimony and Other Critical Minerals have also been discovered across the project

Stoney Area

- → West Wing
- → Stoney 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

- → 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



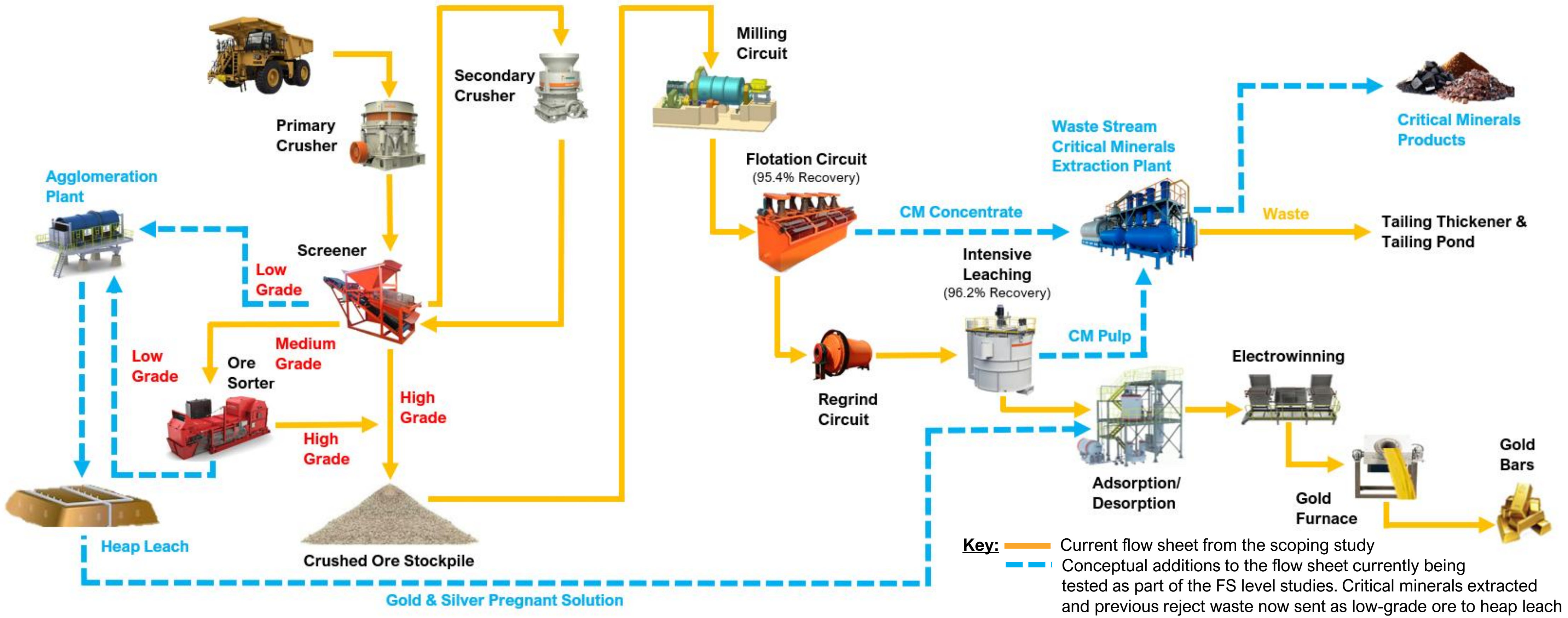
Nova's Low-Cost Pathfinder Approach to Exploration

- Geology Observed in Outcrop
- Surface Mapping & Sampling
- Surface Anomaly
- Drilling

Source: ASX Announcements 26 August 2020, 16 & 20 November 2023, 5 December 2023, & 26 February 2024

Proven and Robust Gold Flowsheet

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



Key: Current flow sheet from the scoping study

Conceptual additions to the flow sheet currently being tested as part of the FS level studies. Critical minerals extracted and previous reject waste now sent as low-grade ore to heap leach

Sources: ASX Announcements 28 February, 10 August 2022, & 26 March 2024

Near-Term Milestones and Targets

Pathway to antimony and gold production

Late 2026	2027	2028

Resource Development & Early Works

- 2026 field season results across gold (RPM, Train) and antimony (Stibium, Styx) targets
- Surface results
- Antimony ore mining and stock piling ongoing
- Antimony process plant construction commenced
- Gold PFS technical studies ongoing
- West Susitna Access Road geotechnical drilling
- Apply for additional US government critical minerals grant funding

Processing & Infrastructure

- Antimony process plant commissioning
- Antimony phase 1 production: Military grade antimony trisulfide and metal production
- Gold PFS resources drilling and technical studies ongoing
- Systematic exploration across the Estelle Gold and Critical Minerals district
- West Susitna Access Road Alaska DoT section commenced construction
- Apply for additional US government critical minerals grant funding

Commercial & Expansion

- Antimony phase 2: Scale-up to commercial antimony production (trisulfide, oxide and metal)
- Gold PFS completion target
- West Susitna Access Road AIDEA section fully permitted
- Continue to advance additional gold and critical minerals prospects across the Estelle Gold and Critical Minerals project
- Collaboration and R&D programs for additional critical minerals refining at Port MacKenzie

Investment Summary

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

Corporate

Strong dual commodity exposure

Favourable jurisdiction and tenure – all on state land

Gold

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

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

Antimony

Establishing a fully integrated U.S. antimony supply chain – production in 2027

Strategic alignment and growing U.S. government support

Thank You

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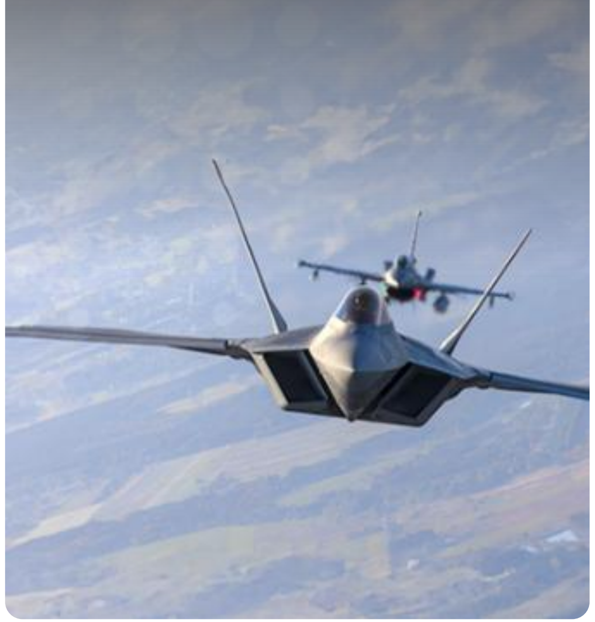
Appendix A:
Antimony Overview

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

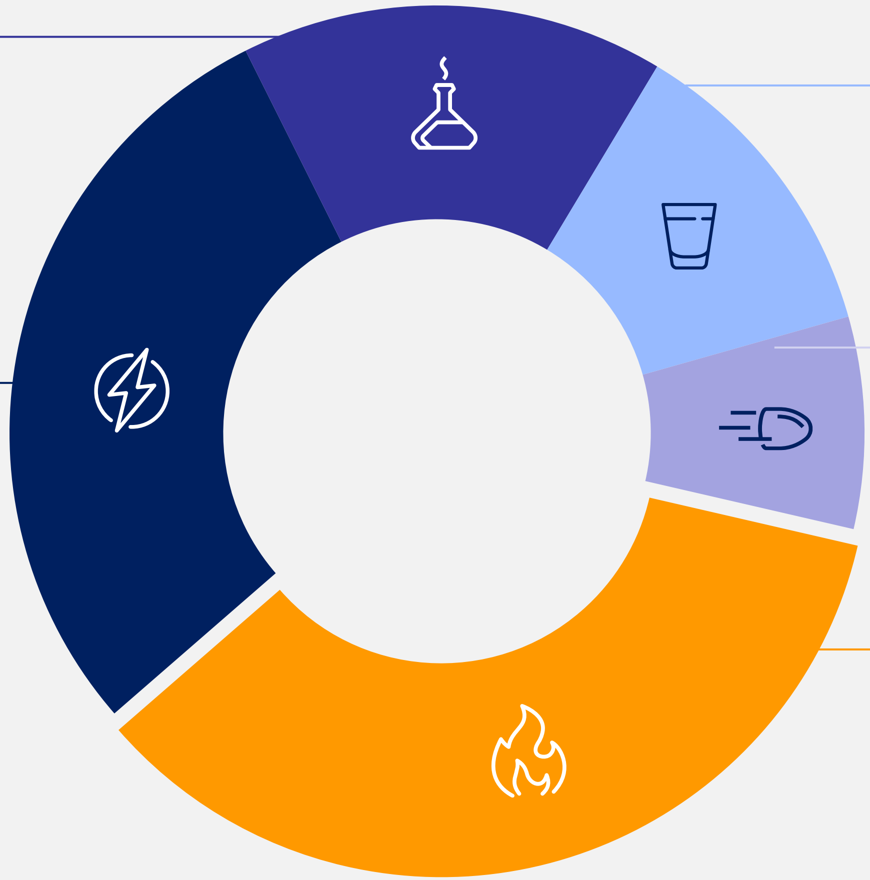
Antimony Uses (USGS)

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



SOURCE: USGS

NOVA MINERALS

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

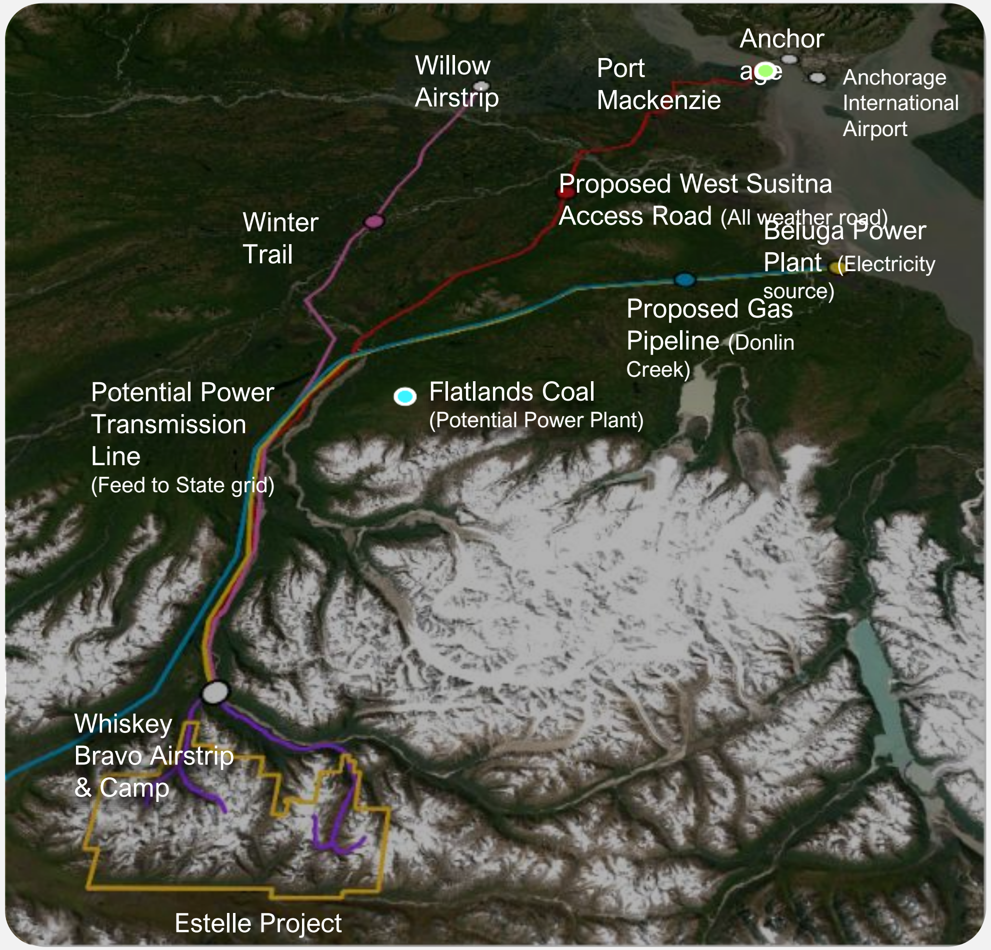
- 80 person fully winterized camp
- Onsite sample processing facility
- 4,000 foot all season airstrip which can facilitate large capacity DC3 aircraft

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 expedited permitting and priority project status in accordance with the Presential Executive Orders



Technical Team

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

NOVA MINERALS

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.

ROUGH STOCK MINING SERVICES

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.

JADE NORTH, LLC

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

NOVA MINERALS

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.

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

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.

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

50+
Supported local businesses

$60M+
Spent on local procurement

100s+
Employment from local communities

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

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 RPM		**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					**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 RPM		**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					**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**

Sources: ASX Announcements 11 April 2023 & 16 April 2024.