

Land Use Secured for Antimony Refinery at Port MacKenzie

Nova secures land use permit for an antimony refinery at Port MacKenzie as part of a commercial operation of a U.S. critical minerals hub, paving the way to become a key supplier in the U.S. antimony market

Targeting the production of military-spec antimony in 2026/27

Highlights

- Following the award of US\$43.4 million from the U.S. Department of War (DoW), Nova has initiated its plan to onshore antimony production in Alaska, targeting first output within 24 months.
- Aligned with its goal to become a leading antimony supplier to the U.S. military and industrial markets, Nova has developed plans for a proposed downstream refinery at Port Mackenzie and is actively negotiating with the U.S. government on additional federal funding initiatives (Figures 1, 2 and 3).
- Nova holds a commanding first-mover advantage as the sole emerging antimony producer, with secured land in a key regional commercial industrial zone, robust government support, and critical infrastructure in place for its planned antimony processing and refining operations at the deep-water commodity centric Port MacKenzie (Port Mac), positioning it to become a pivotal supplier in the U.S. antimony market.
- Land use permit for the commercial operation of a U.S. critical minerals production hub secured to begin establishing downstream antimony processing and refining operations in Alaska's Mat-Su Borough, an area with ready infrastructure for rapid development.
- The proposed refinery site at Port Mac is strategically aligned with the fast-progressing West Susitna Access Road and other regional development projects currently underway.
- Nova has attracted strong interest and fielded many calls from other antimony projects for seeking off-take beyond Estelle's stockpiles and is working with partners in the U.S. and Australia to fast-track offtake agreements, including a strategic partnership to secure additional future antimony supply from Adelong Gold (ASX: ADG), located just 50 km south of the world-class Costerfield gold-antimony operation owned by Alkane Resources (ASX:ALK).
- In addition to its strategic antimony assets, the Company continues to progress its multi-million ounce gold deposits towards feasibility and production.



Figure 1. Aerial view of Port MacKenzie highlighting the site for Nova's proposed antimony refinery.
Source: Port MacKenzie Operations



David Griffin, MPE, Director, Port MacKenzie, Matanuska-Susitna Borough commented: “As Director of Port MacKenzie, I strongly support Nova Minerals' Antimony refinery project. It aligns with our goals of economic growth, job creation, and sustainable resource development. The refinery will enhance regional supply chains, boost our export portfolio with a critical mineral, and solidify Port MacKenzie's role in supporting innovative industries that benefit the Matanuska-Susitna Borough. This project promises significant community value through employment and responsible operations and national security.”

Mike Brown, Borough Manager, Matanuska-Susitna Borough commented “The signing of this land use agreement with Alaska Range Resources marks a significant step forward for Port MacKenzie. This initiative positions our region for critical mineral development and strengthens our role in supporting national security. We look forward to working collaboratively with Alaska Range Resources as they evaluate the potential for a long-term antimony processing facility that could bring lasting economic and strategic benefits to Alaska and our nation.”

Nova CEO, Mr Christopher Gerteisen commented: “On behalf of Nova Minerals, I extend our heartfelt gratitude to Governor Dunleavy and his administration for ongoing steadfast support, as well as to the Port MacKenzie Authority, the Mat-Su Borough Assembly, and Mayor Edna DeVries for their ongoing commitment to support the mineral development industry, including Nova Minerals. This is a defining moment for Nova Minerals and for U.S. critical mineral independence. With the land use permit secured and the Department of War award, we are rapidly advancing our vision to become the leading U.S. miner and producer of refined antimony products — strategic, secure, and proudly made in the USA. We are fast-tracking phase 1 production of military-spec antimony, targeting delivery of our first product to the Department of War within 24 months, underscoring our commitment to supporting critical national defense needs.

The planned refinery development in the Port MacKenzie industrial district is a cornerstone of a vertically integrated domestic antimony supply chain. The Port Mac site has immediate access to key infrastructure and utilities. Our active engagement with federal agencies such as the DoW, Exim Bank, DoE, DLA and state departments highlights Nova's growing role in strengthening U.S. defense and energy security. Backed by strong government support, strategic partnerships, a highly capable leadership team, and land secured to commence construction of a downstream refinery, Nova holds a commanding first-mover advantage as the sole emerging fully integrated antimony producer and supplier to the U.S. military and domestic markets.”

Nova Minerals Limited (Nova or the Company) (ASX: NVA, NASDAQ: NVA, FRA: QM3) is pleased to announce that it has secured land use rights to 42.81 acres of commercial industrial zoned land (Figures 1 and 3) near to the critical Port MacKenzie infrastructure for a proposed antimony refinery, paving the way to potentially become a key supplier to the U.S. military and consumer markets.

Following the successful completion of phase 1, it is the Company's intention to commence phase 2 which includes scaling up mining operations and establishment a full scale antimony refinery which will position Alaska as the premier fully-integrated, mining to refining, U.S. domestic antimony production hub. The Port Mac facility will ultimately produce a full range of antimony products, including, Antimony Trisulfide (Sb_2S_3), Antimony Trioxide (Sb_2O_3), and Antimony Metal, for both the U.S. military and industrial base applications.

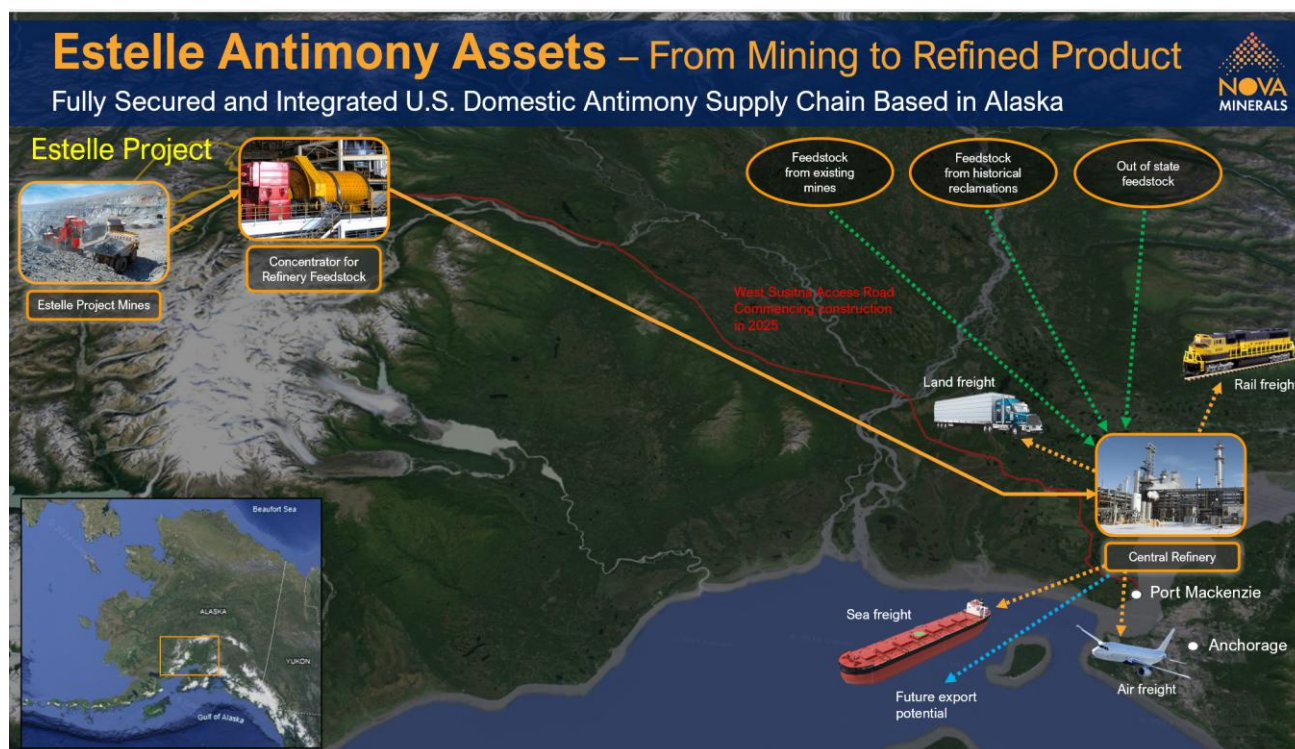


Figure 2. Nova's proposed fully secured and integrated U.S. domestic antimony supply chain plan



Figure 3. Photo of the proposed Port MacKenzie refinery site land area where Nova has obtained land use rights



Port MacKenzie Infrastructure

Port MacKenzie (Port Mac) is located in the Upper Cook Inlet with immediate access to major road corridors to the Mat-Su Valley, north to Fairbanks, and south to Anchorage. Designed with plenty of room to grow, it is the only port in Alaska with an extensive >9,000-acres (14 square miles) dedicated to commercial and industrial development and growth, including the area where Nova has now secured its refinery land use permit.

Facilities include a 15-acre gravel surface barge dock and the deepest draft dock capability in the Upper Cook Inlet, both of which are carefully designed to efficiently import and export many types of cargoes, including natural resources.

Port Mac is an industrial hub designed as a bulk commodity export facility, supporting industries like mining and timber. The Port includes a 1,200-foot long deep-draft dock designed to handle large vessels, including Panamax and Cape Class ships, in deep water, and a separate 500-foot long barge dock with a gravel surface, suitable for shallow-water and river barges.

A proposed 32-mile rail spur, and its proximity to the fast-progressing West Susitna Access Road project, will create a faster and less expensive export route for the Interior's resources.

For more details on the Port MacKenzie operations please click [here](#).



Figure 4. Photo showing the Port MacKenzie infrastructure



Further discussion and analysis of the Estelle Project is available through the interactive Vrifly 3D animations, presentations, and videos, all available on the Company's website. www.novaminerals.com.au

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

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About Nova Minerals Limited

Nova Minerals Limited is a Gold, Antimony and Critical Minerals exploration and development company focused on advancing the Estelle Project, comprised of 514 km² of State of Alaska mining claims, which contains multiple mining complexes across a 35 km long mineralized corridor of over 20 advanced Gold and Antimony prospects, including two already defined multi-million ounce resources, and several drill ready Antimony prospects with massive outcropping stibnite vein systems observed at surface. The 85% owned project is located 150 km northwest of Anchorage, Alaska, USA, 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, Nova Gold and Paulson Advisors Donlin Creek Gold Project and Kinross Gold Corporation's Fort Knox Gold Mine. The belt also hosts significant Antimony deposits and was a historical North American Antimony producer.

Forward-looking Statements and Disclaimers

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 labour 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 labour 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, capitalisation 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.