

# **A Publicly Listed Entity Targeting Near-Term Antimony Production in Fairbanks plus Commercial Gold Pathways**

**COMPANY PRESENTATION** 

**NOVEMBER 2024** 







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Various statements in this presentation constitute statements relating to intentions, future acts and events. Such statements are generally classified as "forward-looking statements" and involve known and unknown risks, uncertainties and other important factors that could cause those future acts, events and circumstances to differ materially from what is presented or implicitly portrayed herein. Words such as "anticipates", "expects", "intends", "plans", "believes", "seeks", "estimates" and similar expressions are intended to identify forward-looking statements. Felix Gold cautions shareholders and prospective shareholders not to place undue reliance on these forward-looking statements, which reflect the view of Felix Gold only as of the date of this presentation. The forward-looking statements made in this presentation relate only to events as of the date on which the statements are made. Various statements in this presentation are also based on the circumstances of other entities. Felix Gold gives no assurance that the anticipated results, performance or achievements expressed or implied in those statements will be achieved. This presentation details some important factors and risks that could cause Felix Gold's actual results to differ from the forwardlooking statements and circumstances of other entities in this document.

## References

The information in this presentation that relates to Exploration Results, Mineral Resources and Exploration Targets for Felix's Fairbanks Gold Projects was extracted from various ASX announcements.

A copy of such announcements is available to view on the Felix Gold Limited website https://felixgold.investorportal.com.au/share-price-and-announcements/ - or on the ASX announcement platform. These references have also been listed in Appendix 2 - Previous Disclosures.

The reports were issued in accordance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. 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 Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

Historical exploration and metallurgical testwork results in this presentation referencing Siak Tan and L. J. Manning 1973 (Tan 1973"), are reported for informational purposes only and do not comply with the current JORC Code 2012. These results have not been independently verified by Felix Gold and should not be relied upon as an accurate representation of the mineralization potential. The Company intends to conduct its own exploration and metallurgical testwork programs to verify and potentially extend these historical results.



# **Investment Summary**



# Felix Gold is aiming for a near-term restart of the historic Scrafford Antimony Mine,

while also exploring

## multiple commercialization

## pathways for its gold assets

located near Kinross Gold Corporation's Fort Knox mine, which is actively seeking additional ore supply.

# ANTIMONY ASSETS

#### **Strategic U.S.-based Assets**

- At the heart of current supply chain security initiatives
- First-mover opportunity for near-term antimony production

#### **Scrafford Antimony Mine**

- Historic high-grade mine with production grades up to 58% Sb
- Part of a large Gold-Antimony System with extensive upside potential

#### **Operational Readiness**

- Proven historical processing flow sheets
- Non-compliant historical resources available

#### **Timeline**

• Aiming for commencement of mining in late 2025



\*Reference: ASX Announcement 28/01/2021 Prospectus, which includes JORC 2012 Inferred Minerals Resource Estimate compliant - 5.8Mt @ 1.95 g/t Au, totaling 364 koz gold, including an underground resource of 136 koz gold @ 6.2 g/t Au.



#### **Overview**

- Two Gold Projects with combined Inferred JORC Resources of 831koz Au
- Located near Kinross Gold Corporation's Fort Knox mine
- Kinross actively seeking additional ore supply

#### **Grant Mine Gold Mine**

- High-grade brownfields resource expansion opportunity
- JORC 2012 Inferred Minerals Resource Estimate: 364koz gold (inc. 136koz gold @ 6.2 g/t Au)\*

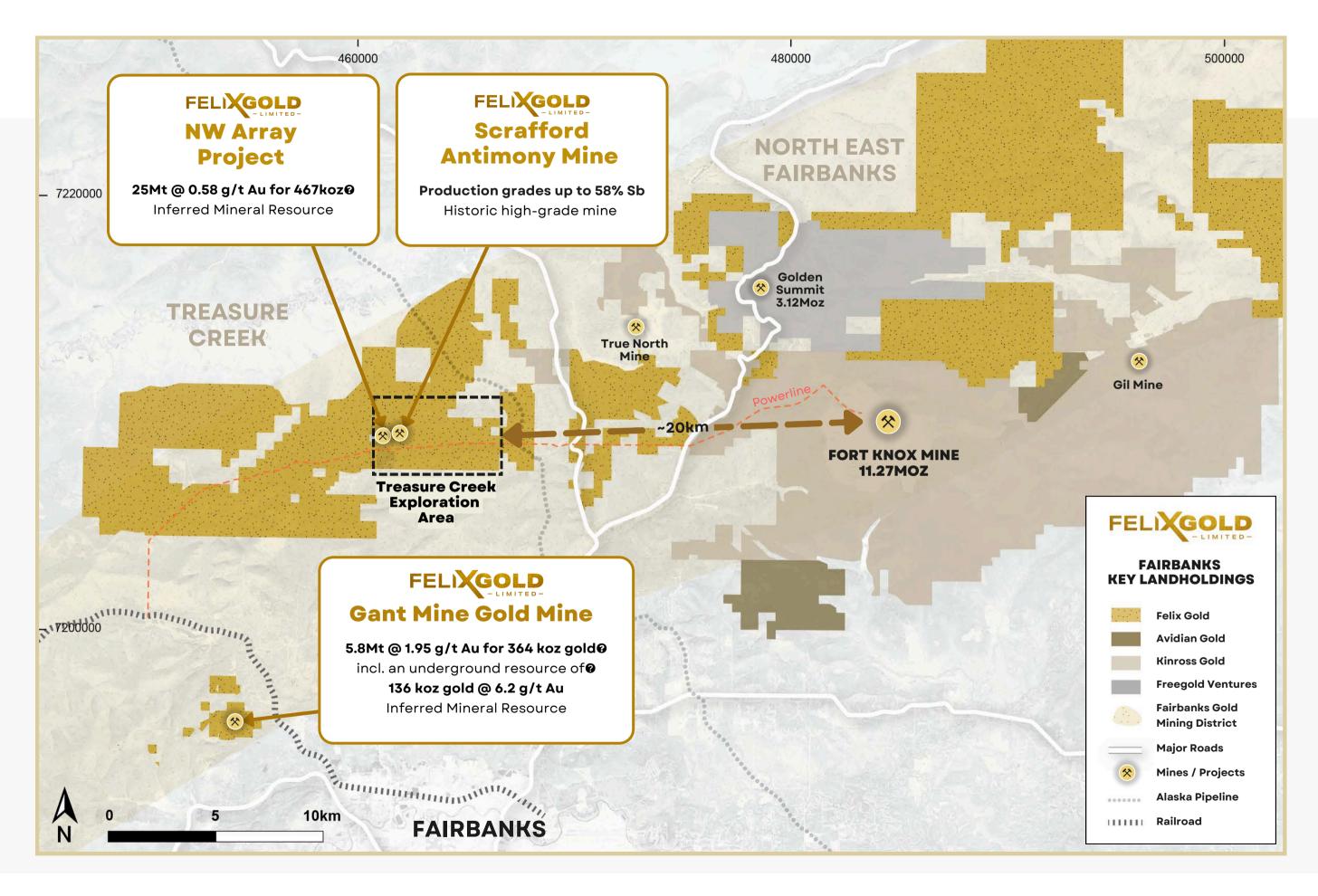
#### **NW Array Project**

- Large, open, at-surface, oxide and flatlying gold system
- JORC 2012 Inferred Mineral Resource: 25Mt @ 0.58g/t for 467koz\*



Within the **Fairbanks Gold Mining District** 

**FELIX GOLD** TENEMENT





Cautionary Statement: Felix Gold is an early stage exploration company and no direct comparisons can be made with advanced exploration or production companies which are included for information only.

# **Mining Hub:** Strategic **Operations in Fairbanks**

# Next to a Major Mining Centre, Fairbanks City

## > Alaskan Kalgoorlie Equivalent

Recognised as Alaska's mining and services hub, akin to Kalgoorlie.

## Robust Infrastructure and Utilities

Benefits from a substantial infrastructure base and extensive utilities network.

## **Resource Efficiency**

Access to low-cost power and a skilled workforce ensures operational efficiency.

### Strategic Location

Felix Gold's operational base in Fairbanks is just 20 minutes direct road access from our NW Array and Grant Mine Projects.





# **Antimony U.S. Supply Chain Vulnerabilities** The Desperate Need for U.S. Domestic Production of Antimony

# The U.S. is fully reliant on foreign Antimony

The U.S. supply chain is largely dominated by China, which has imposed restrictions on antimony exports.

## National **Security Role**

Antimony is critical to the defense industry, used in everything from armor-piercing ammunition to flame retardants

# **Supply Chain Vulnerabilities**

The U.S. has no domestic antimony production and relies heavily on China, which controls the majority of global supply



## Export **Restrictions**

China has recently tightened restrictions on antimony exports, heightening the urgency for the U.S. to develop its own sources

# Felix Gold's Strategic Antimony Assets

**Past-Producing High-Grade Antimony Mines** 

Treasure Creek hosts multiple past-producing antimony mines including the Scrafford Antimony Mine, one of **Alaska's largest historic antimony producers**, with past **production grades up to <u>58% Sb</u>** 

Our previous drilling confirms **high-grade Antimony** in multiple locations across Treasure Creek

# ANTIMONY POTENTIAL

# Scrafford Antimony Mine Historical Production Data

#### Average production grades\* include:

- 58% Sb (1915-1918, 1926-1927)
- 56% Sb (1933-1934)
- 58% Sb (1970)
- 14% Sb (1971)
- 45% Sb (1977)

\*Reference Felix Gold Prospectus 2021. The grades are not reflective of potential future mining grades



# Antimony Mineralisation

#### **1. Scrafford Antimony Mine Composition:**

- Massive stibnite lenses near the hanging wall
- Stockwork style quartz veinlets
- Disseminated arsenopyrite and stibnite in the footwall

#### 2. Mineralisation Structure:

- Stibnite veins localized along segments of strong fault zones
- Veins confined to intersections of fault zones with competent beds
- Favorable angle forms dilatant zones suitable for stibnite depositions

#### **3. Stibnite Characteristics:**

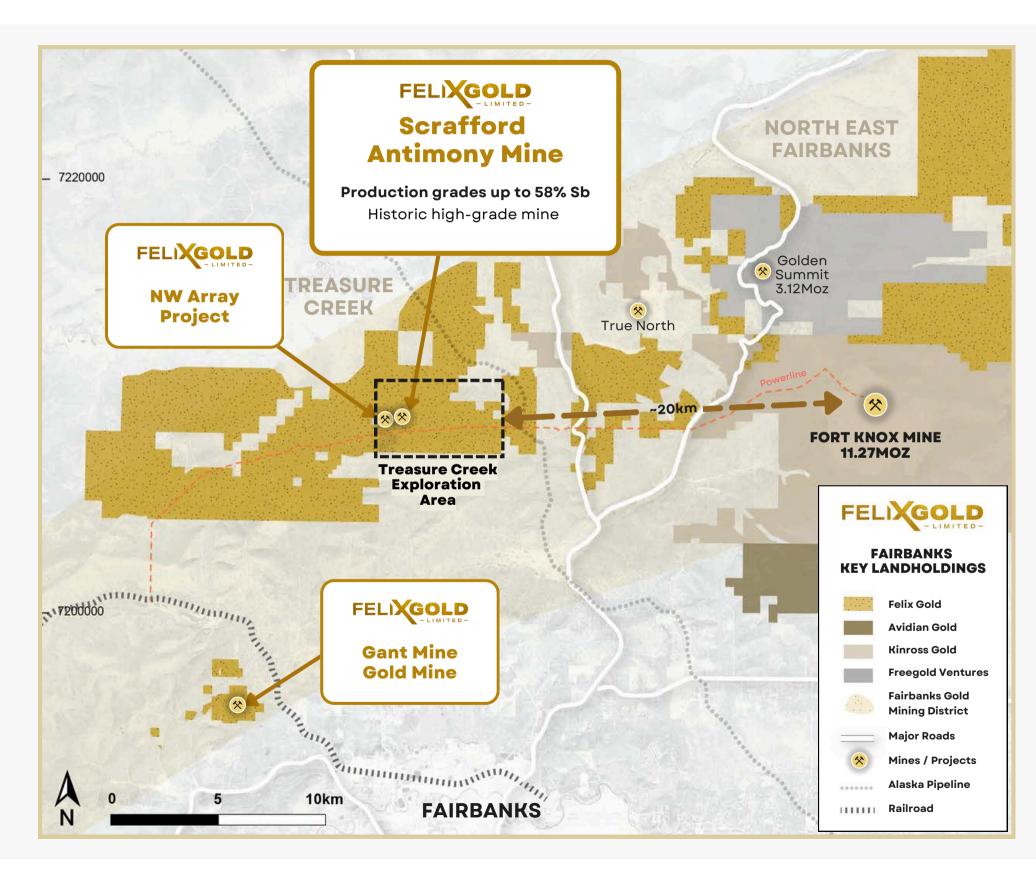
- Occurs as podiform masses, lenses, and disseminations
- Includes fine-grained vitrous quartz intergrowth

# **Scrafford Antimony Mine at Treasure Creek**

# One of Alaska's largest antimony historic producers with production grades up to 58% sb

## Highlights

- Intermittent operation: 1915 1977
- **High-grade (past production up to 58% Sb):** Reduced processing complexity
- Easily accessible: Near-surface high-grade ore
- Straightforward processing: Gravity separation method used
- **Premium quality ore:** Due to the absence of harmful smelter impurities
- Valuable byproducts: Gold and silver present
- Well-defined fault zone: Allowed for targeted exploration
- Proximity to Fairbanks: provided infrastructure advantages





# **Our Fast-Tracked Antimony Strategy**

# Felix Gold Antimony Production Justification for a fast-tracked approach

#### **Brownfields Production Plan**



#### **Accelerated Program**

Felix Gold aims to commence **antimony mining in 2025** 

#### **Target Production**

Our objective is to **produce up to 5,000 tonnes** per annum

#### Utilizing Proven Mining & Processing

We will leverage **historic mining and processing flow sheets** to conduct an engineering study, focused on determining capital and operating costs

#### Accelerated Resource Development



#### **Fast-Track Potential**

The small scale, coupled with **its strategic importance** and brownfields nature, supports an expedited development process

#### **Small-Scale Production**

The limited resource requirements to support production, in combination with the historical resources and the **widespread nature of high-grade antimony** at surface, provide confidence in advancing the project

#### **Historical Resources & Discoveries**

While no JORC-compliant resources currently exist, **multiple historical studies** have defined antimony resources, with additional **high-grade surface discoveries** made by Felix Gold



## Economic Potential



#### **Alignment with U.S. Government**

Supports U.S. Government's goal of **increasing domestic production** of critical minerals like antimony, essential for national security

#### **Potential for Government Funding**

Opportunity is well-suited for **government funding** due to its strategic importance and brownfields pathway to production

# **Extensive Antimony Exploration Upside**

Treasure Creek is a gold-antimony system with two past-producing mines and several multiple km of structural corridors hosting antimony

#### **Scrafford Shear Zone**

+8km strike hosting the historic Scrafford Antimony Mine and Goodwin Antimony Mine.

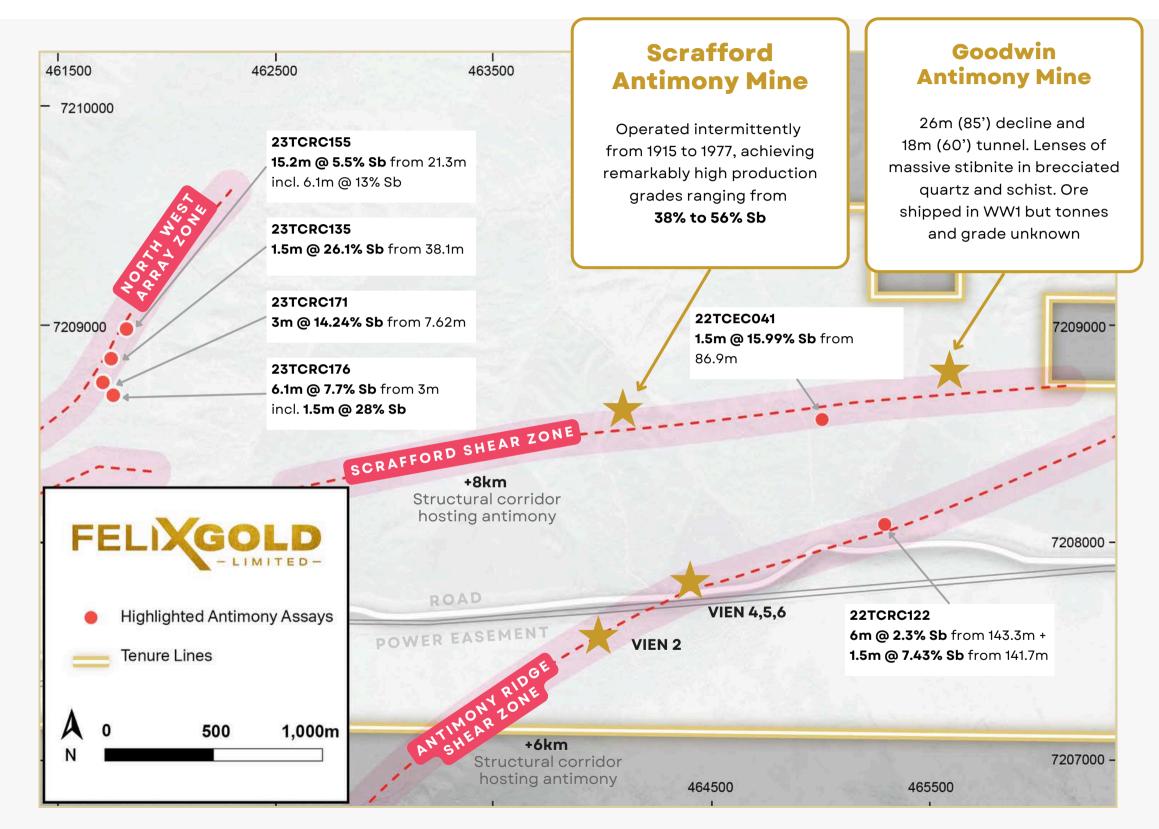
## **Antimony Ridge Shear Zone**

+6km trend with high-grade antimony discoveries, indicating strong exploration potential.

#### **North West Array Zone**

**A Felix Gold discovery** of high-grade and at-surface antimony which is open.

These zones offer significant potential for resource growth and support for antimony production





# Indicative 12-Month Production Schedule Our roadmap

## 2024

TIMETABLE*	SEPT	ост	ΝΟΥ	DEC	JAN	FEB	MAR
Community Consultation							
Engineering Design							
Confirmation Metallurgical Test work							
Capital and operating Cost Estimates							
Government Funding Applications							
Baseline environmental surveys							
Permitting							
Procurement							
COMMENCEMENT OF MINING							

\*This timetable is indicative only and may change. Please refer to key risks that may cause changes to the timetable.





# **Our Gold Assets** Strategically Located 831 koz gold resources

# STRATEGIC ADVANTAGES

#### **Prime Location**

- ✓ Alaska Fraser Institute Top-15 mining rating
- ✓ In the established Fairbanks gold mining hub
- ✓ Proximity to Kinross's Fort Knox Mine, actively seeking additional ore supply

# GOLD FOTENTIAL

# **Grant Mine**

#### High-grade brownfields resource expansion Large, open, at-surface, oxide and flat-lying gold system

JORC 2012 Inferred Minerals Resource EstimateJORC 2012 Inferred Mineral Resource364koz gold (inc. 136koz gold @ 6.2 g/t Au)\*25Mt @ 0.58g/t for 467koz\*

#### Significant intercepts include \*\*

- 18m @ 11 g/t Au (84R54)
- 6m @ 17 g/t Au (84D6)
- 6m @ 13 g/t Au (84R51)

#### 2024 Key Milestones

- Q2: Commence expansion drilling
- Q4: Update on resource modeling

FELIXGOLD

\*Reference: ASX Announcement 28/01/2021 Prospectus, which includes JORC 2012 Inferred Minerals Resource Estimate compliant - 5.8Mt @ 1.95 g/t Au, totaling 364 koz gold, including an underground resource of 136 koz gold @ 6.2 g/t Au.

## Opportunity

- ✓ Current market valuation of \$27 EV/oz, positioned for market reassessment
- ✓ Tapping into a record-high gold market
- ✓ Stand-alone or ore supply to existing operations optionality

# **NW Array Project**

#### Significant intercepts include \*\*

- 70.1m @ 1.6g/t Au (23TCRC138)
- 100.5m @ 1.14g/t Au (23TCRC135)
- 54.9m @ 1.80g/t Au (23TCRC155)

#### 2024 Key Milestones

- Q1:90% recoveries from bottle roll test work received
- Q2: Maiden Inferred Mineral Resource released
- Q3: Resource expansion and metallurgical drilling

\*\*Drill intercepts previously reported in ASX Announcements listed in Appendix 1.

# **Grant Mine: Value Propositions High-Grade Gold Brownfields Resource Expansion**

# ECONOMIC POTENTIAL

Grant Mine has an average underground grade of 6.2 g/t Au and is only 25km from Fort Knox\*

## **High-Grade Gold Intercepts**

Commitment to extensional drilling in high-grade zones

#### Significant intercepts include

- 18m @ 11 g/t Au (84R54)\*
- 6m @ 17 g/t Au (84D6)\*
- 6m @ 13 g/t Au (84R51)\*

## **Existing Resource**

JORC 2012 Inferred Minerals Resource Estimate compliant 5.8Mt @ 1.95 g/t Au, totalling 364koz gold, including an underground resource of 136koz gold @ 6.2 g/t Au\*

#### **Free Milling Gold**

Simple gravity and cyanide vat leach flowsheet used between 1985 to 1989 with gold recoveries of up to 98% achieved.



\*See ASX Announcement 28/01/2021 Prospectus, which includes JORC 2012 Inferred Minerals Resource Estimate compliant - 5.8Mt @ 1.95 g/t Au, totaling 364 koz gold, including an underground resource of 136 koz gold @ 6.2 g/t Au

\*\*The Exploration Target potential quantities and grades are conceptual in nature and there has been insufficient exploration to date to define a Mineral Resource. It is not certain that further exploration will result in the determination of a Mineral Resource. The Exploration Target is not being reported as part of any Mineral Resource or Ore Reserve.



# High-grade gold, brownfields resource expansion, historic 98% recoveries and positioned for growth

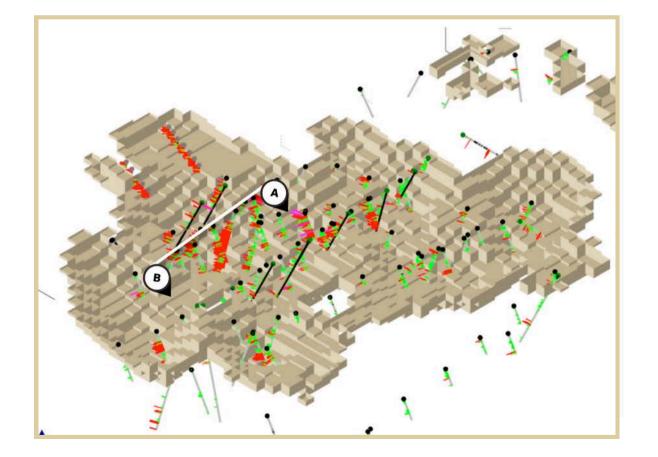


Initiation of resource expansion activities. JORC 2012 Exploration Target\*\* indicates 5.6 Mt to 6.6 Mt at 1.9 g/t Au to 2.1 g/t Au, estimating an additional 338koz - 545koz gold\*\*

# **NW Array: Value Propositions** Gold mineralisation at surface and amenable to bulk mining

# ECONOMIC POTENTIAL

**Maiden Inferred Mineral Resource of** 25Mt @ 0.58 g/t Au for 467,000 ounces of gold using a 0.25 g/t Au cut-off within a US\$2,000/ounce pit shell\*



## **Notable Gold Intercepts\***

- 70.1m @ 1.6g/t Au from 6.1m incl. 7.6m @ 6.4g/t Au from 21.3m. Hole 23TCRC138
- 100.5m @ 1.14g/t Au from 21.3m incl. 47m @ 1.7g/t Au from 38.1m. Hole 23TCRC135
- 54.9m @ 1.80g/t Au from 1.5m incl 30.5m @ 3.02g/t Au from 7.6m. Hole 23TCRC155





Similar size and grade to the Gil Sourdough deposit which has been supplying Fort Knox for two years

## **Open Pit Potential**

- Shallow ore body with ~78% of ounces within 50m from surface
- Metallurgical test work returns recoveries of oxide material up to 94.5% and averaging 89% overall
- Multiple drill targets identified for further resource growth
- 30km by road from Fort Knox, potential toll treatment being investigated

# **Environment, Community and Governance**

## **Stakeholder Engagement**

- We acknowledge and respect the presence of community and industry stakeholders.
- We are dedicated to surpassing regulatory standards and community expectations through proactive engagement.

## **Regulatory & Community Commitment**

- In Alaska, we have dedicated program to manage stakeholder relations, community engagement, and government affairs. We are committed to earning the trust of stakeholders.
- Felix Gold's projects are going through the exploration and resource definition phase. If successful, this work will lead to economic assessment and project definition.

A thorough community consultation and statutory permitting process would then be carried out prior to any decision on mining.



We commit to embedding environmental, social, and governance (ESG) principles in our operations, aiming for a positive impact on society and the environment.



# **Sustainable Practices & Commitments**

#### **Best-in-Class Regulatory Approach**

We work closely with industry bodies, regulatory bodies and peers to uphold the highest standards.

#### **Strong Community Engagement**

We ensure open, transparent communication with all stakeholders, fostering strong relationships.

#### **Integrating ESG**

# The Team to Deliver

# The technical, operational & commercial expertise is geared towards *metals exploration success*



#### **Ronnie Beevor**

#### **Non-Executive Chairman**

- 40+ years' experience in mining investment banking; previously Head of IB at Rothschild Australia over 1997 - 2002
- Director of Champion Iron, which operates the 15mtpa Bloom Lake iron ore mine in Quebec
- Recently Chairman of Bannerman Energy, which owns the Etango Uranium Project in Namibia



#### **Joseph Webb**

#### **Executive Director**

- 20+ years' global executive management experience in the resources and manufacturing industries, with previous commercial roles with Rio Tinto and Mineralogy
- Extensive commercial experience and a clear focus on the strategy, people, and processes to maximise the potential of the Company's vision



#### **Mark Strizek**

#### **Non-Executive Director**

- 27+ years' experience in the resource industry with geological, technical and development expertise
- Experience as a geologist across various gold, base and technology metal projects
- Management and Board responsibilities in exploration, feasibility, finance and development-ready assets globally



## **Andy Browne**



#### **Non-Executive Director**

• Geologist with almost 50+ years' global experience in minerals exploration and evaluation

• Team leader in major discoveries of gold, mineral sands and uranium, including NexGen's Arrow uranium deposit, Canada

• Brings proven large-scale orebody discovery expertise



## Craig McPherson

#### **CFO & Company Secretary**

- 20+ years' commercial and financial management experience, both in Australia and internationally
- Held various key executive roles with ASX- and TSX-listed companies within the resources sector over the past 15 years
- Significant acquisitions and divestments experience, corporate financing initiatives, and stock exchange listings

# Value Creation Summary



AIMING FOR NEAR TERM ANTIMONY PRODUCTION

GOLD COMMERCIALISATION PATHWAYS



# **Key Risks**

The future performance of Felix Gold Limited may be influenced by a range of factors. Some of these factors can be mitigated, however some are outside the control of Felix Gold Limited.

#### Investors should consider the following risks:

- Legislation changes/Government Policy and approvals: Changes in government regulations and policies may adversely affect the financial performance and access to projects to undertake exploration activities. Felix Gold Limited ability to explore and exercise our options may be impacted by government policy which is beyond the control of Felix Gold Limited.
- General economic conditions: Changes in the general economic conditions under which Felix Gold Limited operates may adversely affect the exploration activities.
- **Permitting:** Delays in drill permitting may adversely affect the timing or ability for Felix Gold Limited to carry out the drill testing.
- **Commodity price:** The value created by any discovery may be impacted by the fluctuation of the commodity price.
- Foreign exchange risk: Fluctuations in relation to foreign currency may impact on the operating costs of the company.



- **Tenement compliance:** Failure of Project Owners to keep tenements in good standing could impact Felix Gold Limited ability to drill test and option targets.
- Unforeseen expenses: Whilst Felix Gold Limited is not aware of any expenses that may need to be incurred that have not been taken into account, if such expenses were subsequently incurred, the anticipated budgets may be adversely affected.
- **Exploration:** Minerals exploration is a high risk undertaking. Felix Gold Limited exploration program may not result in the discovery of an economic minerals deposit.
- **Operator risk:** Failure of the project operator to comply with tenement conditions which could increase costs, delay and/or loss of access to tenement to undertake drill testing.
- Access: Ability to access projects as planned could be disrupted because of pandemics, weather, community or other constraints.



# **GOLD – ANTIMONY PROJECTS**

**U.S. Based Gold and Antimony Development Opportunities** 

**For further** information, please contact: Joe Webb

joe.webb@felixgold.com.au +61 422 955 411





