



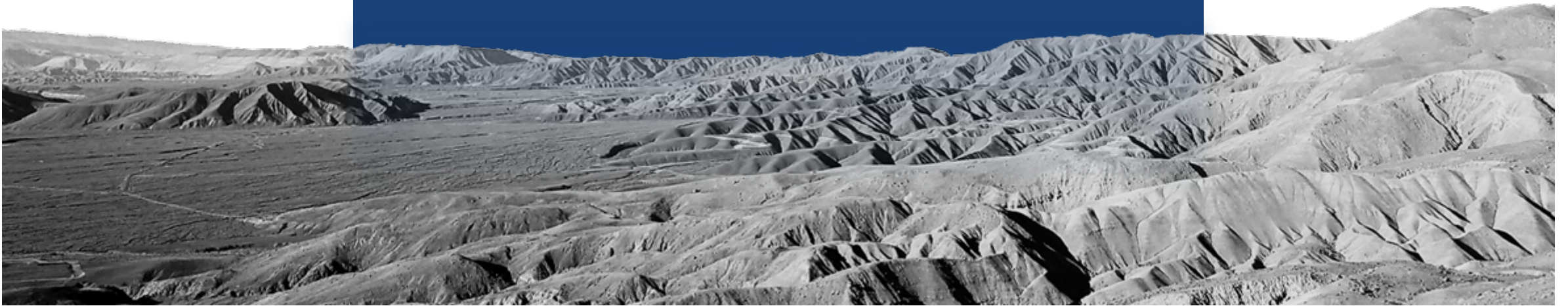
TSX-V: FMN
FSE: S5GM

Transitioning from a copper/gold exploration company in Peru to an
fertilizer company utilizing groundbreaking technology

PRESENTATION

March 2023

Florina Greensand Project in Australia on the doorstep of the Asian potash market



Fidelity Minerals Corp.

1201 – 1166 Alberni Street,
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Exchange Symbols

TSX-V: FMN
FSE: S5GM
SSE: MNYCL

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This presentation has been prepared by Fidelity Minerals Corp. (hereinafter, “Fidelity”, Fidelity Minerals”, “FMN” or the “Company”). This presentation contains certain forward-looking statements. Forward-looking statements are statements that relate to future events or future financial performance. In some cases, you can identify forward-looking statements by the use of terminology such as “may”, “should”, “intend”, “expect”, “plan”, “anticipate”, “believe”, “estimate”, “project”, “predict”, “potential”, or “continue” or the negative of these terms or other comparable terminology. These statements speak only as of the date of this presentation. This presentation may also contain future oriented financial information (“FOFI”) within the meaning of applicable securities laws. The FOFI has been prepared by our management to provide an outlook of our activities and results and may not be appropriate for other purposes. The FOFI has been prepared based on a number of assumptions. The actual results of operations of our company and the resulting financial results may vary from the amounts set forth herein, and such variation may be material. Our management believes that the FOFI has been prepared on a reasonable basis, reflecting management’s best estimates and judgments. Any FOFI in this presentation is made as of the date specified on the title page and is based upon the information available to us as of that date.

Forward-looking statements in this presentation include, (but are not limited to) advancing certain key project activities that could represent important milestones which the Company expects may represent material valuation catalysts, such as the expectation that through the assembling of a portfolio of high-quality mining assets in Peru, the Company aims to delineate major deposits on these properties that could attract the interest of mid-tier and major mining companies. Further, forward-looking statements in this release include that Fidelity Minerals Corp. is also looking to opportunistically expand its project portfolio with accretive acquisitions, and the expectation that we can advance and permit, with community support, further exploration at the listed exploration projects. Any references in this presentation to mineral prospectivity, whether inferred by way of descriptions, sampling photos or any historical results including assay results, should be treated as speculative in nature as such results have not been independently verified by Fidelity Minerals. The historical mineral prospectivity related information, including sampling information outlined herein is provided for general information purposes only. There has not been sufficient previous exploration at any of these projects from which to base a mineral resource or mineral reserve estimate compliant to the standards of National Instrument 43-101.

A qualified person has not done sufficient work to classify the historical estimates as current mineral resources or mineral reserves. Fidelity is not treating the historical estimates as current mineral resources. The Company has not conducted any work to establish the relevance & reliability of the historical resource estimate.

There has not been sufficient drilling and/or sufficient previous exploration at Las Huaquillas upon which to base a current mineral resource or mineral reserve estimate compliant to the standards of National Instrument 43-101. It should be noted that the historical resource related information outlined has been derived from: “NI 43-101 Technical Report on the Las Huaquillas Au, Ag, Cu Property, Cajamarca, Peru”, with an effective date of December 18, 2021, authored by Luc Pigeon, B.Sc., M. Sc., P. Geo, who is an independent and qualified person under National Instrument 43-101. The historical estimate is based upon Gariepy and Vachon (both registered in 1999) and the estimate was performed using the vertical longitudinal section method including seventeen mineralized intersections where a specific gravity of 2.8 g/cm³ and a cut-off grade of 1.0 g/t Au over a minimum width of 3 metres were applied. Gariepy & Vachon (1999) disclosed what they call a “geological resource” which is not a category accepted by prevailing disclosure standards, and at best corresponds to an Inferred Resource in today’s nomenclature. The work did not estimate the zinc, lead or copper contained within the Socavones zone. No more recent estimates or data is available to the issuer; at a minimum, several holes would need to be twinned, and certain historical intercepts re-assayed, to verify the historical estimate as a current mineral resource. For clarity, a qualified person has not done sufficient work to classify the historical estimate as a current mineral resources or mineral reserve, and the Company is not treating the historical estimate as a current mineral resource or mineral reserve.

This presentation is not, and under no circumstances is to be construed as, a solicitation or an offer of any kind. The matters set forth in this presentation do not constitute an agreement or offer that may be accepted. Accordingly, no person may bring a claim or action against another for a failure to negotiate, agree or enter into any agreement with respect to matters contained in the presentation.

The technical information related to the Las Huaquillas Project in this presentation has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 (“NI 43-101”) and has been reviewed and approved on behalf of the Company by Luc Pigeon B.Sc., M.Sc., P.Geo., a Qualified Person under NI 43-101.

Capital Structureⁱ

Share Price	\$0.10
12-month Range	\$0.005 - \$0.11
Issued Shares	85,795,209
Warrants ⁱⁱ	~22.6 million
Options ⁱⁱⁱ	~8.5 million
Market Cap	~C\$8.57 million

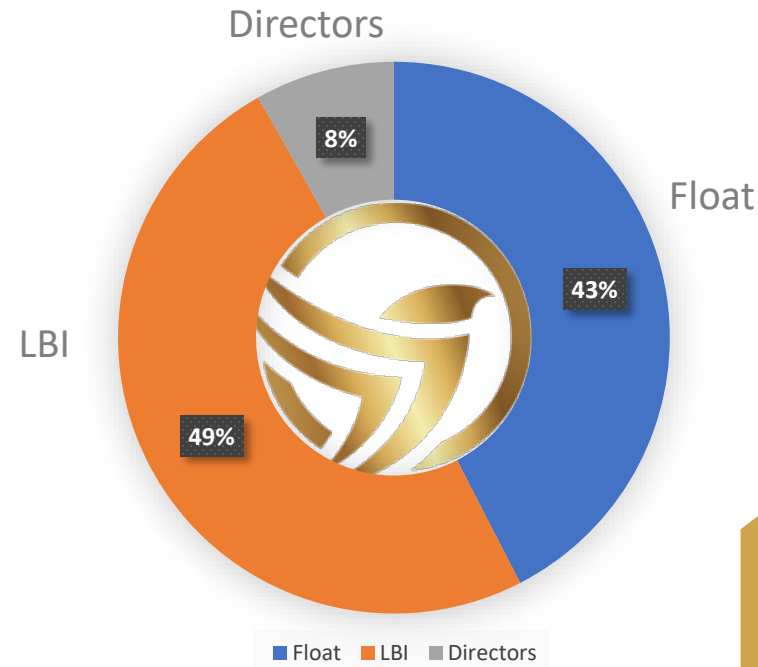
i) As at March 2, 2023

ii) Warrants

- 10.1M @ \$0.15 (April 2023)
- 2.6M @ \$0.40 (Feb 2024)
- 9.9M @ \$0.11 (April 2023)

iii) Options

- 1.3M @ \$0.075 (Jan 2025)
- 1.6M @ \$0.075 (Jul 2025)
- 0.9M @ \$0.105 (Aug 2025)
- 0.3M @ \$0.15 (Mar 2026)
- 4.4M @ \$0.11 (Mar 2027)



57%
Strong
Insider
Ownership

LBI: Lions Bay Capital, Directors: Ian Graham, Anthony Balic and Dean Pekeski

Board of Directors

John Byrne – Executive Chairman



John Byrne has 40 years of experience in the natural resource industry as a financial analyst, investor and mine developer. He formed Cambrian Mining Plc in 2002 with net assets of £1.4 million and before being acquired in 2008 had net assets of GBP£149 million. John has been Chairman and CEO of numerous successful resource companies, including Western Coal Corp which was capitalised at less than C\$1 million when he joined, and was sold for C\$3.3billion in 2010. He is a founder of Lions Bay Capital, Fidelity's largest shareholder.

Dean Pekeski – CEO, & Director



Dean is a motivated and results-driven senior executive with more than 25 years of progressive, international experience in mineral exploration and project development. He has demonstrated multifaceted leadership building teams across cultures and complex geographies. He has a proven track record of discovery and project development success. As Executive Vice President, Western Potash Corp., he successfully managed the Milestone Potash Project in Saskatchewan from discovery, through pre-feasibility and feasibility, environmental permitting approval, and project financing. Previous roles also include Rio Tinto (Senior Project Geologist), Equitorial Exploration Corp. (President and CEO), and Peak Minerals Inc. (current President and CEO). International Projects include Bunder Diamonds (India), Milestone Potash (SK, Canada), Sevier Playa Potash (Utah, USA).

Anthony Balic – CFO & Director



Anthony has worked with Canadian and US publicly listed resource companies in a range of senior roles during the past 10 years. He is the currently the CFO and acting CEO of Goldgroup Mining (TSX:T GGA) where he was part of the finance team which brought their Mexican mine into commercial production. Anthony was previously a senior manager – assurance and advisory at Deloitte Canada.

Ian Graham – Independent Director



Ian is an experienced corporate executive with over 20 years in development and exploration of mineral deposits with Rio Tinto (Chief Geologist), Anglo American (Geologist) & Discovery Harbour (President & CEO), international projects, including Diavik Diamonds (NWT, Canada), Resolution Copper (Arizona, USA), Eagle Nickel (Michigan, USA) and Bunder Diamonds (India).

Manuel Delfin – General Manager (Peru)



Manuel is the founder of the Smart-Group, a specialist in providing leading Geomatics, Territorial Management Solutions, Interoperability Management Integration Platforms. Manuel was previously the general manager for Cerro Dorado SAC from 2012 – 2019, and upon the sale of the project, has recently transitioned to a country manager role, where he oversees in country activities for Fidelity Minerals.

EXPERIENCED TEAM WITH SKILLS REQUIRED TO EFFICIENTLY IDENTIFY, ASSESS, ACQUIRE, FUND AND DEVELOP STRATEGIC MINING PROJECT OPPORTUNITIES. ALIGNED WITH SHAREHOLDERS.

Mission Statement

Create shareholder value by replicating in Australia/Asia what Verde AgriTech Ltd. (“Verde”) has done in Brazil. Verde’s Cerrado Verde Greensands Project has had production grow from 3,949 tonnes per annum in 2017 to 700,000 tonnes per annum in 2022 and has a target of 2,000,000 tonnes per annum in 2023. Verde’s market capitalization now stands at over \$300M.

Create Shareholder Value in 2023 by:

Maintain focus at Las Huaquillas in Peru – drilling and updated NI 43-101 TR*. Consider sale to provide capital to accelerate development of fertilizer projects.

Drill Florina Greensand Project in the Australian Northern Territory with the aim of producing resource statement in 2023.

Complete process test work at Florina Greensand Project by “activating” glauconite feedstock. Initiate fertilizer market studies with a focus on Asia.

Complete Scoping Study on Florina Greensand Project in 2023. Complete bulk sampling/mining and processing in 2024.

*Political and social unrest in Peru has made timing uncertain.

Fidelity to acquire a 50% interest in the Greensands Australia Pty Ltd (GAL) which has applied for an exploration licence covering the Florina Greensand Project. The other 50% has been acquired by Lions Bay Capital Inc (LBI).

Fidelity will;

- 1) Issue 2M shares to GAL at \$0.06/share-restricted from trading for 1 year, upon receipt of exploration license;
- 2) Fund 50% of Stage 1 costs ~AUD \$250K
- 3) Fund 50% of Stage 2 costs ~AUD \$1M including a scoping study

Fidelity will;

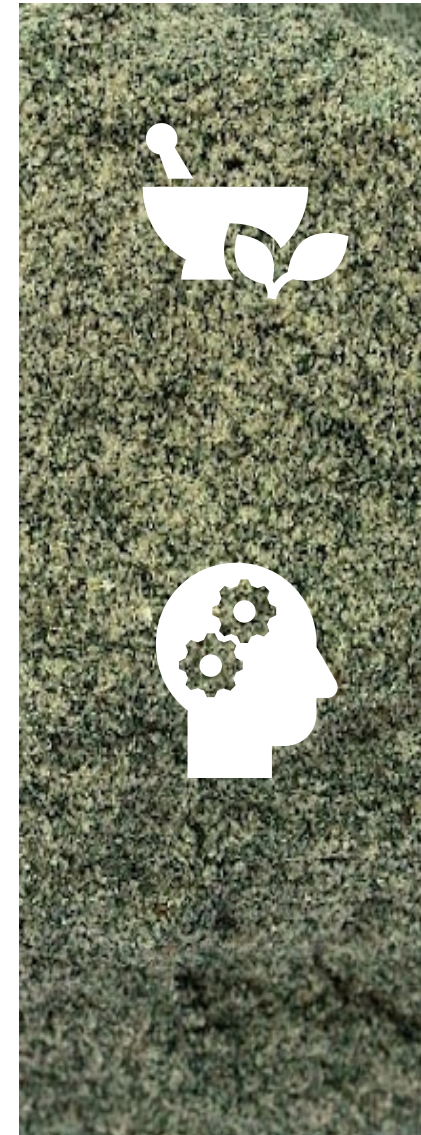
- 4) Upon completion of the scoping study, issue an additional 2M shares to GAL
- 5) Should the scoping study show a pre-tax IRR of >19% GAL will be entitled to a bonus payment of AUD \$1M satisfied by cash and shares (50% cash min.)

Fidelity will enter into an option agreement with LBI which will give FMN the right to increase its interest to 75 per cent by spending the next \$500K.



ORGANIC POTASH & PHOSPHATE FERTILISER PROJECT

*Organic certification to be confirmed through test work.



WHAT IS GREENSAND?

A NATURAL SOURCE OF POTASH FERTILISER

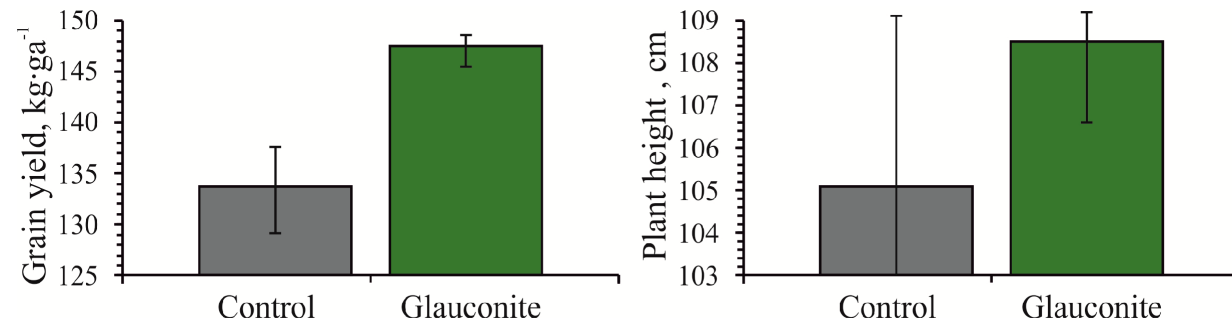
- The mineral glauconite – Potassium (K+) rich marine sediment
- A known source of organic potash fertiliser
- Slow release - Breaks down in soil over time
- Also used as a soil conditioner to adjust soil pH



2-YEAR PLANT TRIALS 2020

AGRONOMY 2020, 10, 872;

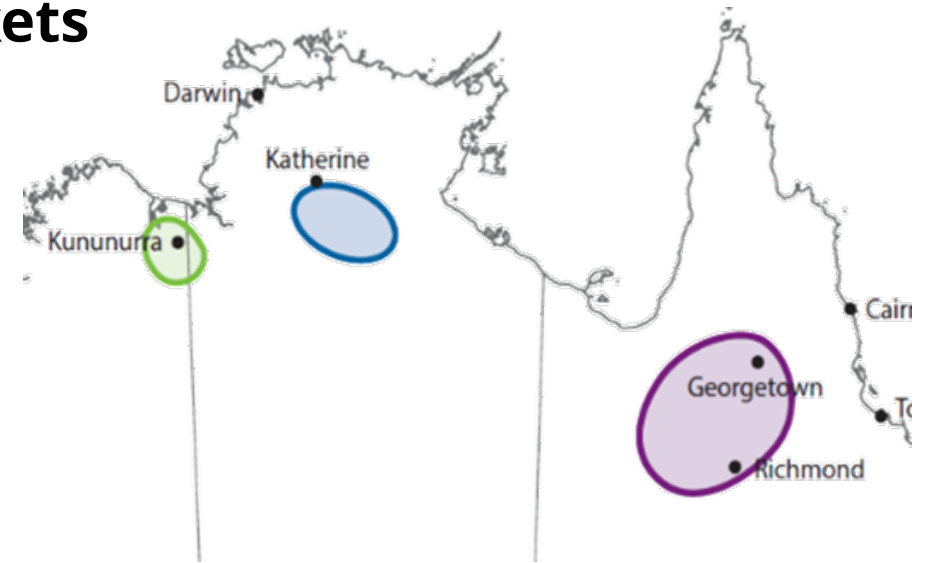
*Organic certification to be confirmed through test work.



FLORINA GREENSAND HIGHLIGHTS

A LARGE SURFACE GLAUCONITE, NT

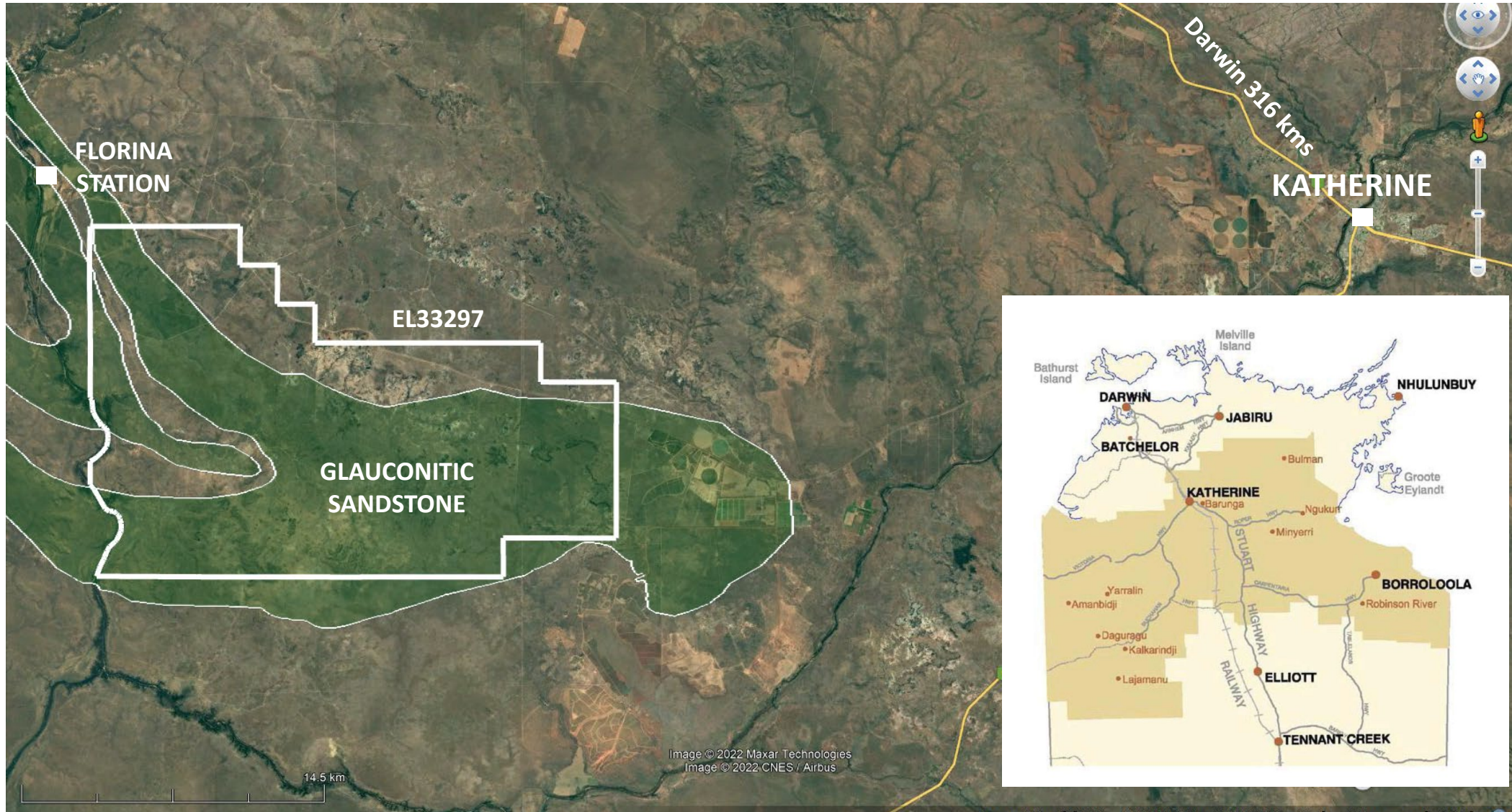
- 300km south of Darwin, near Katherine & the Northern Agricultural Zone
- Very large, soft rock, easily mined target resource >300Mt
- Near road, rail, renewables & NT agri-markets
- Potassium (K) with Phosphate (P) Credit

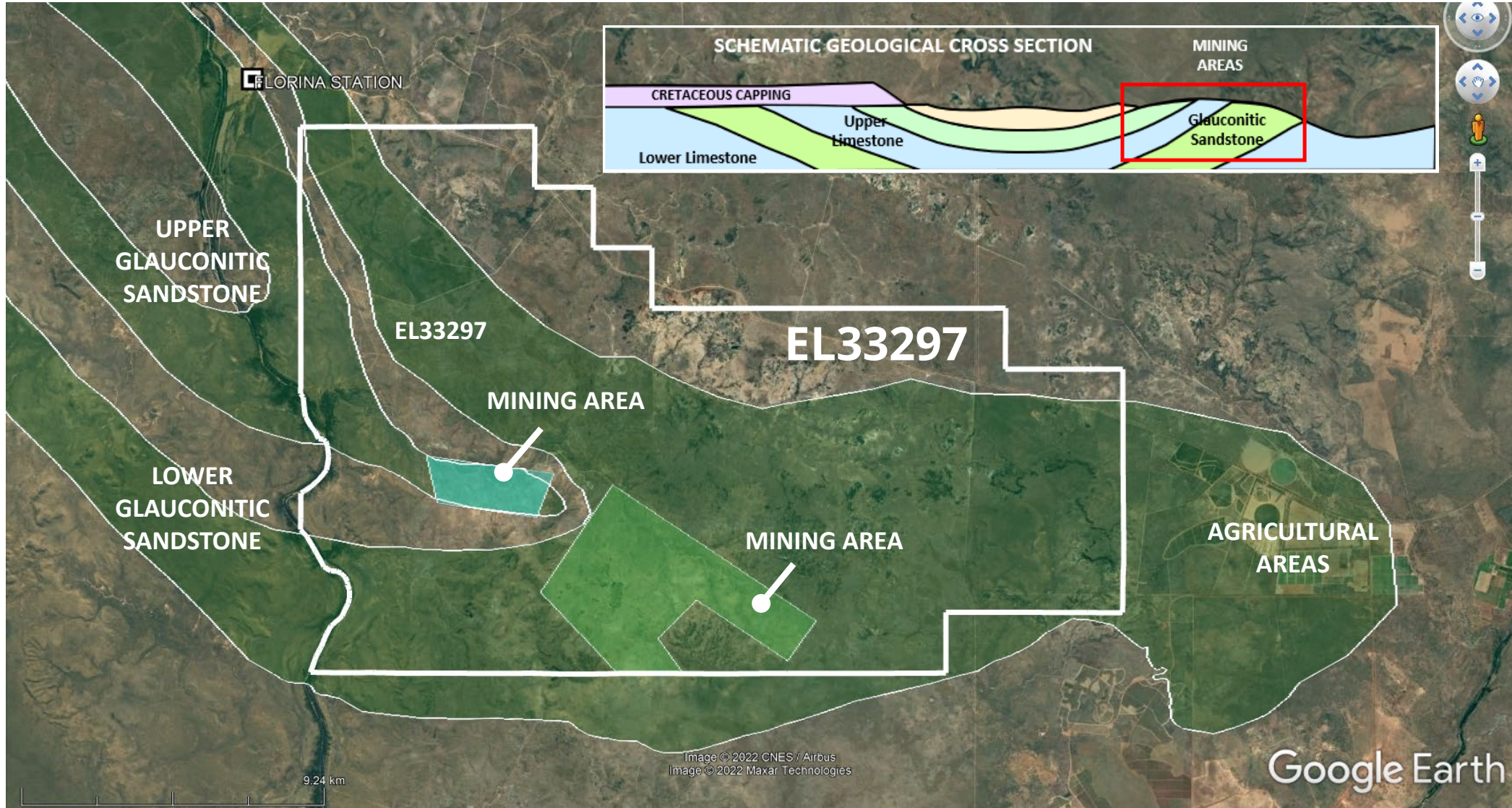


8% K₂O	3% P₂O₅	21% Fe ₂ O ₃
3% P₂O₅	50% SiO ₂	4% CaO

There has not been sufficient drilling or sufficient previous exploration at the Florina Greensand Project upon which to base a mineral resource or mineral reserve estimate compliant to the standards of National Instrument 43-101. No historic resource estimate has been completed.

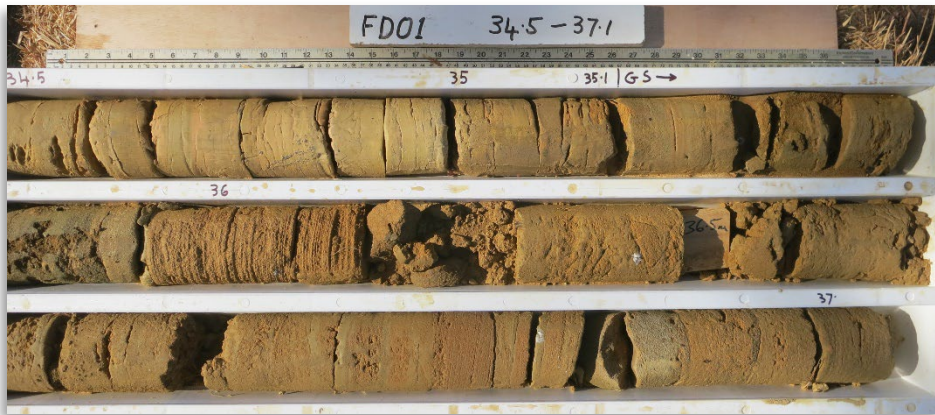
Florina Greensand Project





WORK COMPLETED 2016-2017 DRILLING & FIELDWORK

- **2 x Diamond holes to 70m - Large target resource +300Mt**
- **Near surface - Easily won using low-cost strip mining**
- **Soft and friable sandstone – Easily dug and crushed**

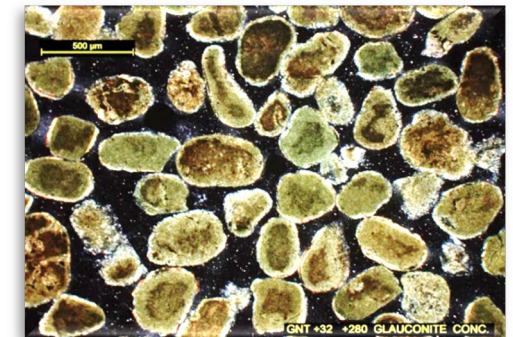
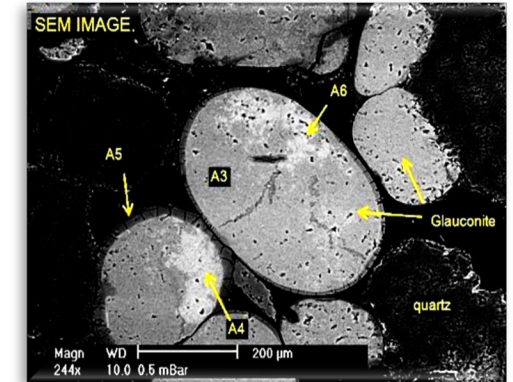


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WORK COMPLETED 2015-2017

LAB AND PROCESS TESTING

- Soft grinding & magnetic WHIMS separation tested
- Potassium & phosphorous leached by cold dilute acids
- Successfully “activated” – solubility greatly increased
- Profound reduction of potassium release time in soil
- Clear case for low-cost organic slow-release potash



ACTIVATED GREENSAND CONCEPT STUDY 2018

8%
K₂O

3%
P₂O₅

50%
SiO₂

4%
MgO

4%
CaO

21%
Fe₂O₃

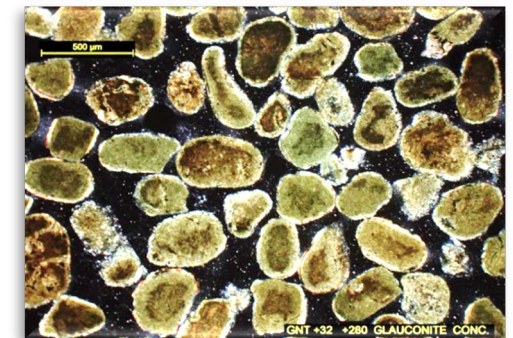
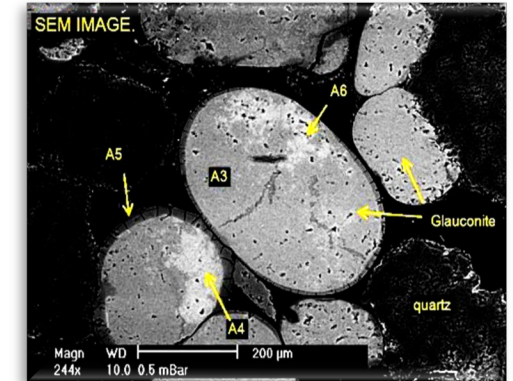
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WORK COMPLETED 2015-2017

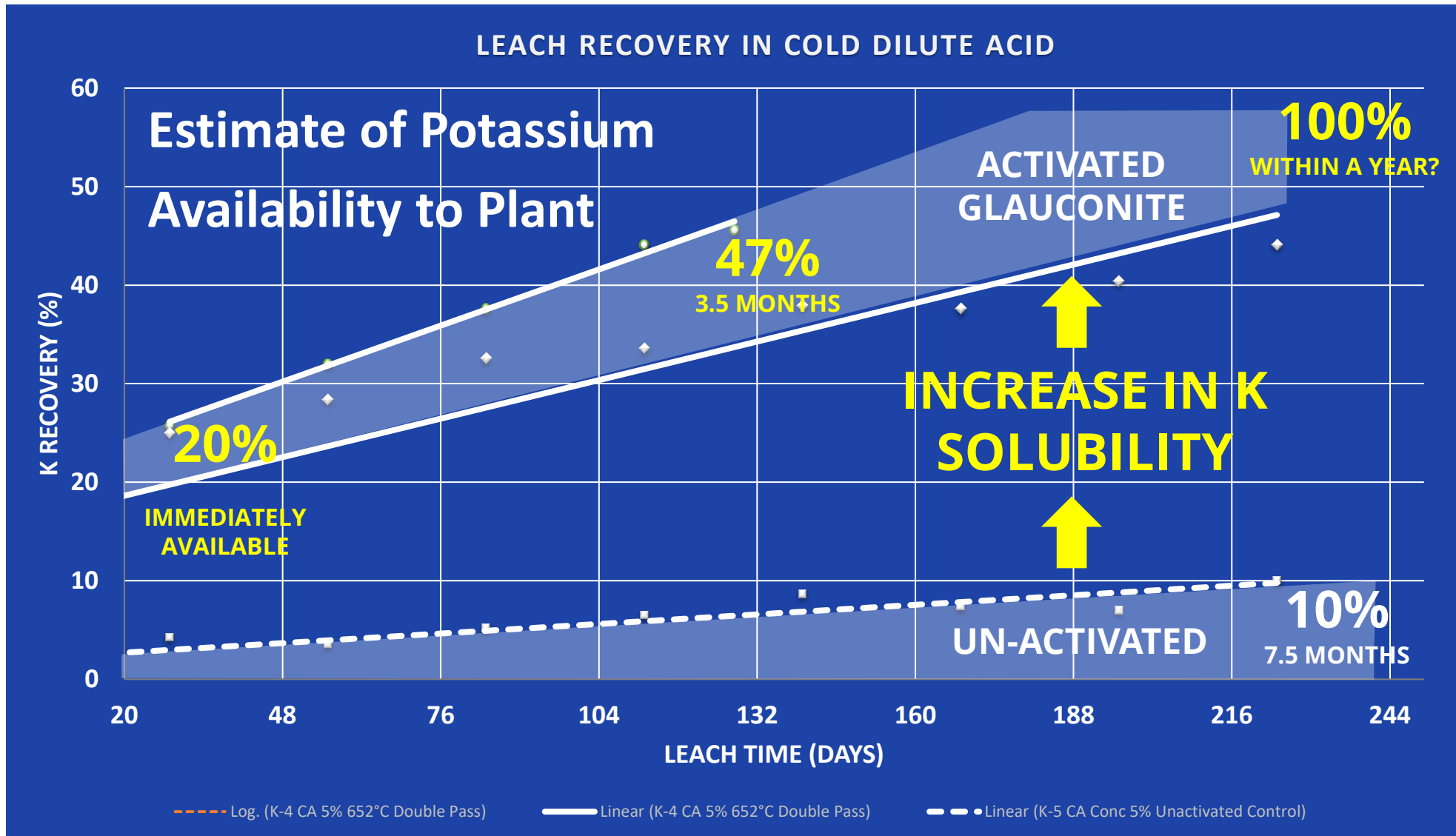
AGRICULTURAL TESTING

- Leaching of activated glauconite in cold, dilute organic acid
- Standard test to estimate availability of K to plant
- Shows un-activated greensand takes years to release K in soil
- Indicates activated greensand K release within a year
- Shows at least 20% of K is immediately available to plant
- Indicates effectiveness as a slow-release organic fertiliser

*Organic certification to be confirmed through test work.



There has not been sufficient drilling or sufficient previous exploration at the Florina Greensand Project upon which to base a mineral resource or mineral reserve estimate compliant to the standards of National Instrument 43-101. No historic resource estimate has been completed.



ACTIVATED GREENSAND

A LOW COST SLOW RELEASE ORGANICS OPPORTUNITY

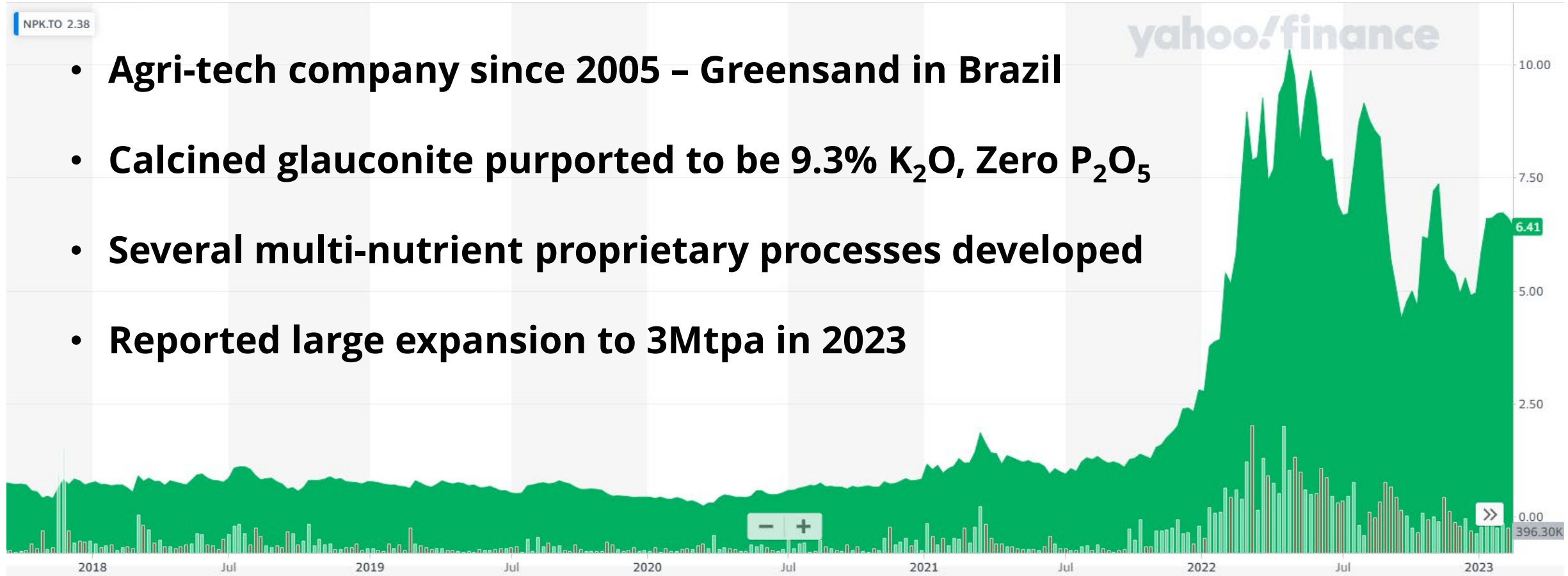
- **Profound increase in solubility – world first!**
- **Suitable as organic, slow-release potash & phosphate**
- **Horticulture, potting mix, hydroponics & other?**
- **Interest from fruit growers, sugar, grapes & organics**
- **Low development risk – process “off the shelf”**
- **Comparable to Verde AgriTech (NPK.TO) Brazil PLUS phosphate**

*Organic certification to be confirmed through test work.



PEER COMPARISON - BRAZIL

VERDE AGRITECH PLC +\$330M Market Cap



COMMERCIAL POTASH

PROPRIETARY AG-TECH OPPORTUNITY

- **Activated glauconite as a feedstock for potash production**
- **Several commercial routes possible – MOP, SOP, NOP**
- **Nitrate of potassium (NOP) fertiliser – highest value**
- **Processing by selective leaching & precipitation**
- **Opportunity global licensing roll-out - scale-able IP**
- **Opportunity for export supply from Darwin, NT**



HIGHLIGHTS

(A) ACTIVATED GREENSAND

- **Organic slow-release potassium “potash” fertiliser**
- **Process route “off the shelf” – Low technical risk**
- **Patentable process – scalable & exportable IP**
- **Verde AgriTech (NPK.TO) Brazil massive upside & market readiness**

(B) COMMERCIAL POTASH

- **Development of commercial SOP/NOP production process**
- **Globally deploy-able proprietary technology**
- **Amenable to Fed & State “matched” grant funding**

*Organic certification to be confirmed through test work.

NI 43-101 – RESOURCE & SCOPING STUDY BUDGET

<u>Project Establishment Costs</u>	<u>AUD \$</u>
Tenement Applications & Investigations	\$ 15,000
Patent Applications & Project IP	\$ 50,000
Shallow RC Resource Program	\$ 150,000
Bulk Sampling & Transport, Concentrate Production	\$ 15,000
Management and Travel Costs	\$ 20,000
Legal and Accounting	\$ 10,000
	\$ 260,000

<u>Scoping Study Report</u>	<u>AUD \$</u>
Preparation and Permitting, Maps & Data	\$ 10,000
Access, Earthworks & Pad Preparation	\$ 25,000
RC Drilling, Equipment, Bags, Trays	\$ 125,000
Drilling Support, Travel, Vehicles, Accommodation	\$ 30,000
NI 43-101 Resource Report	\$ 50,000
Tenement Management & Reporting	\$ 10,000

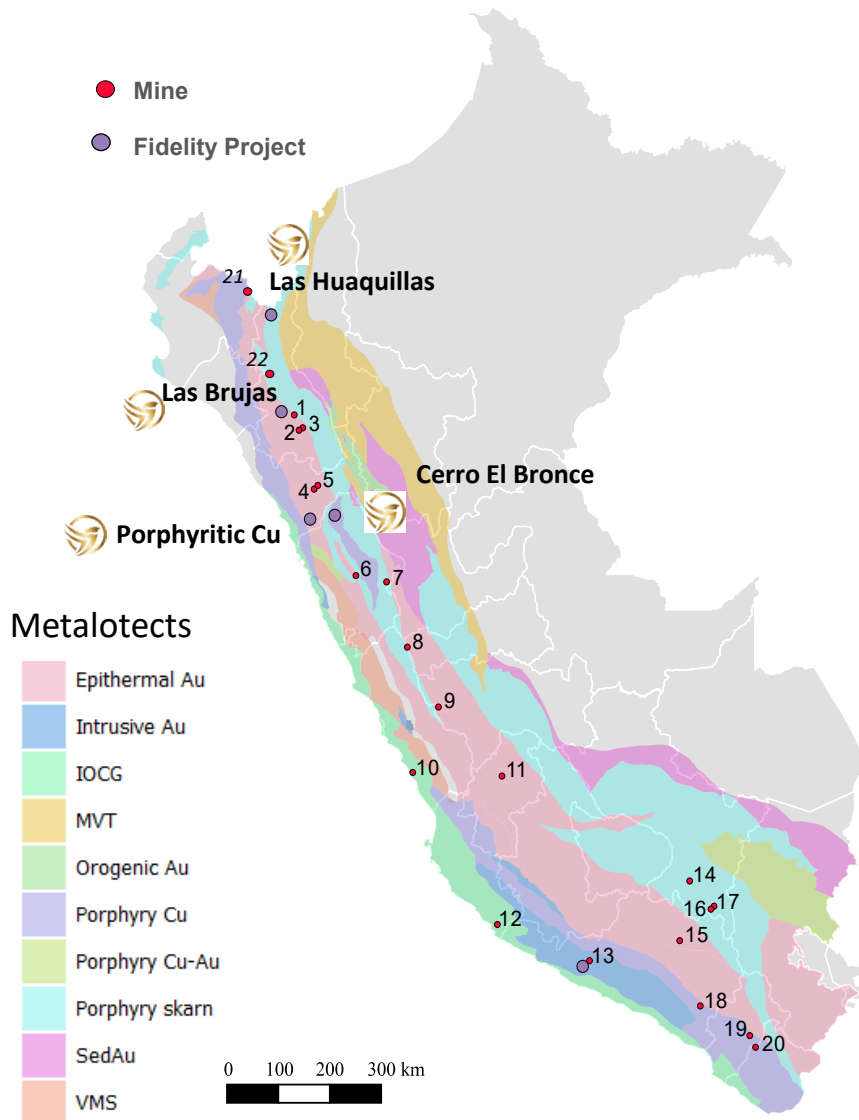
Calix Testwork & Sample Analysis	\$ 320,000
Calix IP Agreement & MOU Legals	\$ 70,000

Fertilizer Market Study	\$ 40,000
Scoping Study Report	\$ 60,000

Management, Office and Overhead	\$ 250,000
	\$ 990,000

Total \$ 1,250,000

- MINE**
- 1 Cerro Corona
 - 2 Yanacocha
 - 3 Lagunas Norte
 - 4 Quiruvilca
 - 5 Pierina
 - 6 Antamina
 - 7 Uchucchacua
 - 8 Toromocho
 - 9 Raul-Condestable
 - 10 Pukaqaqa
 - 11 Marcona
 - 12 Calpa
 - 13 Constancia
 - 14 Tambomayo
 - 15 Antapaccay
 - 16 Tintaya
 - 17 Cerro Verde
 - 18 Cuajone
 - 19 Toquepala
 - 20 Fruta del Norte
- PROJECT**
- 21 Rio Blanco
 - 22 La Granja



Overview

- Core Las Huaquillas project: extensive historical exploration since the late 1980's
- Five significant mineralized zones identified: (i) Los Socavones, (ii) El Huabo, (iii) Las Huaquillas, (iv) Cementerio and (v) San Antonio
- Historical gold resource* reported in 1998- 6.57 Mt grading 2.12 g/t Au & 25.2 g/t Ag for:
 - 446,000 ounces of gold, 5,300,000 ounces of silver
 - Epithermal (PM and polymetallic BM) resource open along strike and at depth
 - Higher grade gold zones of up to **14m at 8.41g/t Au** (+ 106g/t Ag) reported (PD-2)
- A qualified person has not done sufficient work to classify the historical estimates as current mineral resources or mineral reserves. Fidelity is not treating the historical estimates as current mineral resources. The Company has not conducted any work to establish the relevance & reliability of the historical resource estimate.

The Greater Las Huaquillas (GLH) project consists of:

- 9 concessions approx. 3,600 Ha host the historical mineralization (Core Las Huaquillas, CLH), Fidelity has acquired a 50% interest
- 9 concessions approx. 3,800 Ha of contiguous mineral title acquired by Fidelity (100%)

Conclusion From Sulliden Internal Report

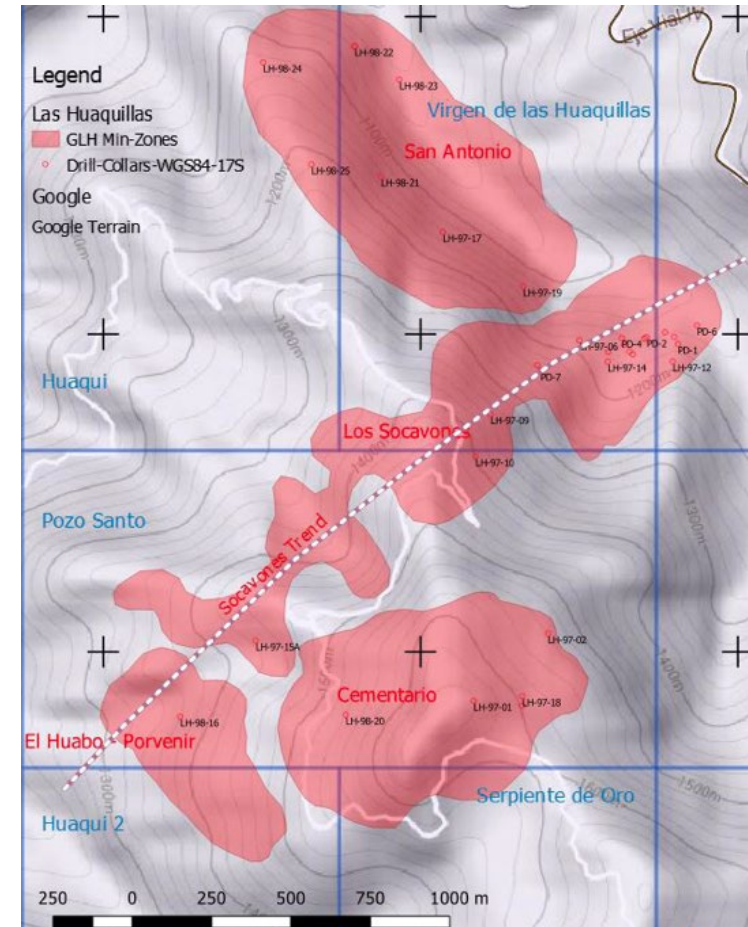
- *“The overall geological setting suggests that the Las Huaquillas property...compares well with other caldera-related, porphyry copper-gold systems of the Circum Pacific Rim. Based on the data presented here, the Los Socovanes zone is interpreted as an epithermal gold-silver-tellurium system with ... superimposed on a porphyry system. This superposition is an important criterion used in identifying world-class deposits (Sillitoe, 1994, 1995b)”*

Las Huaquillas Project – Expanded Ownership to 50%

- On February 11, 2019, FMN acquired a 44.5% interest in Rial Minera, the Company which owns the Core Las Huaquillas Project (9 concessions approx. 3,600 Ha)
- On July 21, 2021, FMN announces the acquisition of an additional 5.5% ownership of the Project by completing the following;
 - Pay \$500,000 US in cash (Paid)
 - FMN will fund up to \$3,000,000 US in exploration and publish a new NI 43-101 technical report aimed at declaring inferred resources and to be completed within 18 months following receipt of drilling permit approvals. To date FMN has spent \$0.6 US million
- Once the NI 43-101 is completed, FMN will have earned it's 50% ownership in the CLH Project and the partners will offer the project for sale by international tender with each partner holding a right of first refusal
- Our partner is currently asking \$10 US million for his interest in the property

Porphry Cu ± Mo ± Au within the Cementerio and San Antonio intrusions.

Epithermal Au-Ag-Cu; high sulphidation at the Porvenir-Huabo Alto silicified ridge.

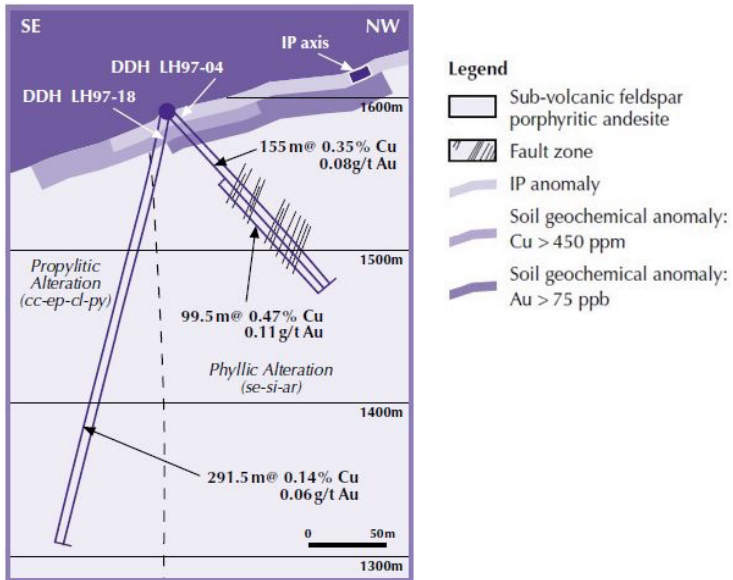


Au, Ag, Zn, Pb – quartz stockwork at the Los Socavones target.

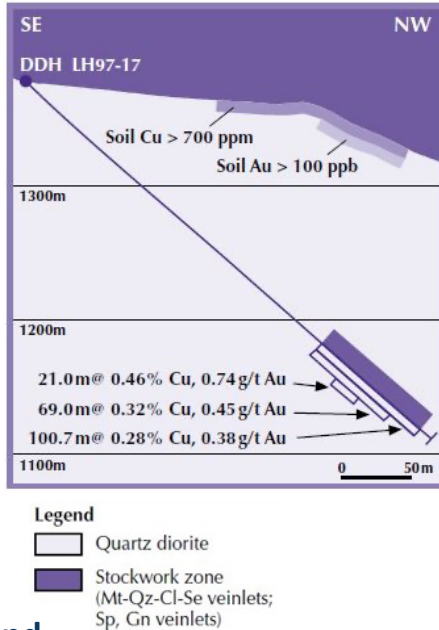
Epithermal Au-Ag; low sulphidation at Las Huaquillas showing.

Las Huaquillas Project – Confirmed Porphyry Systems

Cementerio Porphyry Zone

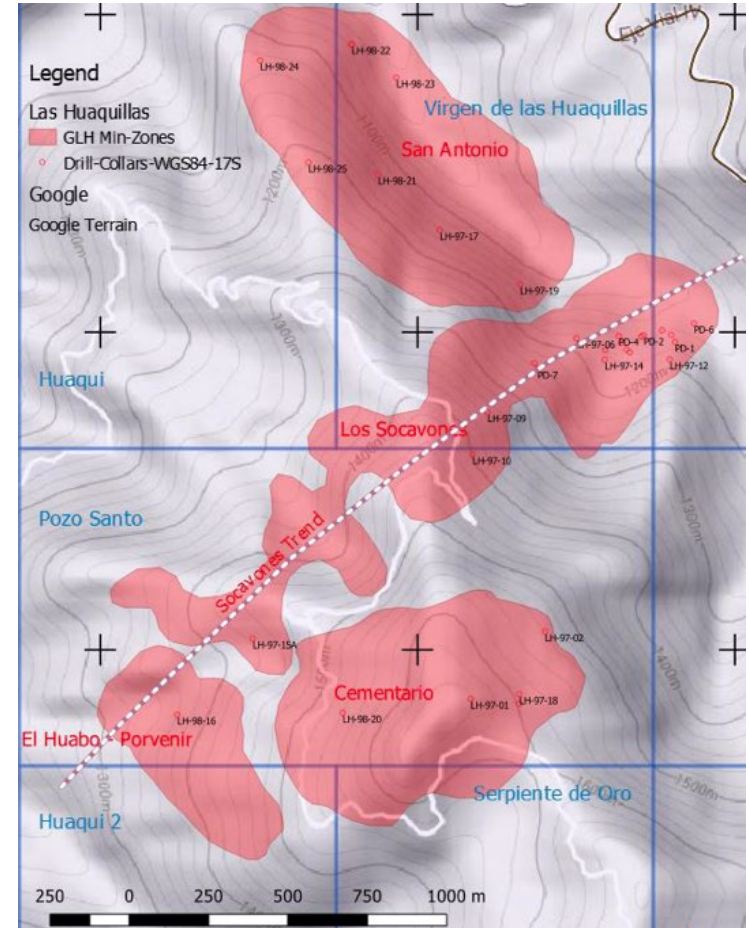


San Antonio Porphyry Zone



San Antonio Cu-Au porphyry system coincides with a prominent copper-gold soil geochemical anomaly and is hosted in a calc-alkaline quartz diorite intrusion measuring 500m x 900m. The host rock is massive, fairly homogeneous and is composed of 15% well formed 2-mm plagioclase phenocrysts lying in a finer groundmass composed of amphibole-feldspar-quartz-chlorite-biotite-magnetite-sericite.

Cementerio Cu-Au porphyry system comprises extensive argillic, phyllic and hematitic alteration. A 600m by 900m sub-circular multi-phase diorite intrusion characterized by equigranular and porphyritic textures is spatially-related with the mineralization.



Significant Porphyry Cu- Au Upside Potential at Cementario and San Antonio

Key Mineralized Intercepts of the San Antonio and Cementerio Porphyry Targets

DDH	From (m)	To (m)	Length (m)	Cu (%)	Au (g/t)	Ag (g/t)
LH97-04	55.5	155	99.5	0.47	0.11	4.5
Including	73.5	87	13.5	0.61	0.14	4.4
LH97-17	295.8	396.5	100.7	0.28	0.38	2.6
Including	324.3	345.33	21	0.46	0.74	4.9

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