



## **Advancing District Scale Gold Projects**

Through The Drill  
Discovery Phase

Annual General and Special Meeting of Shareholders  
December 8, 2023

TSX-V: NEWO



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Please refer to NewOrigin press releases and SEDAR filings for details on technical information and disclosures.

# Significant Portfolio of Canadian Shield Gold Projects



## Located in Ontario's Prolific Greenstone Belts

- **Sky Lake:** SW extension of the Pickle Lake Gold District, in the same geological terrain as the Red Lake Gold District
- **North Abitibi:** On the Casa Berardi trend in Ontario, 40 km west of the Casa Berardi mine
- **South Abitibi:** Located along the southern margin of the Abitibi Greenstone Belt, prospective for gold, nickel/copper, cobalt/silver and diamonds

## Progress During 2023

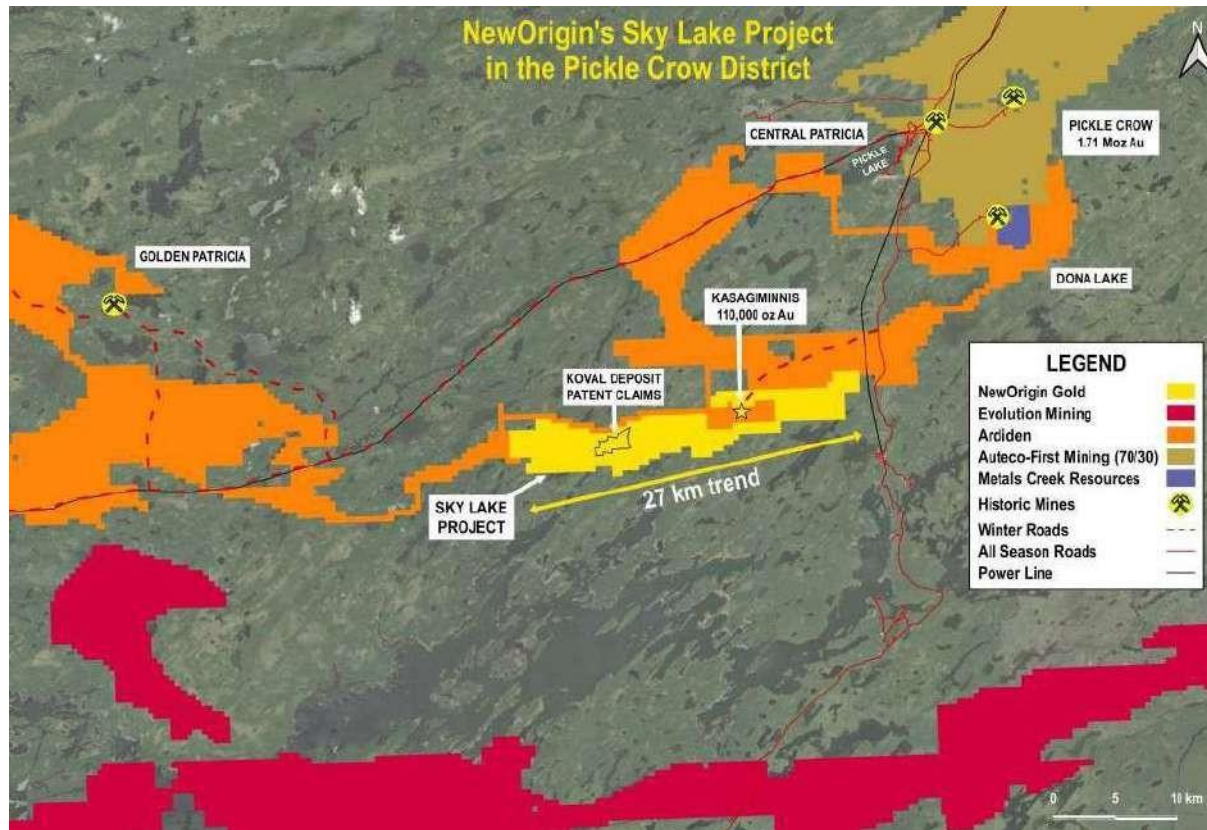
2023 was a difficult year for junior resource companies however NewOrigin made progress toward key objectives



- Geochemical surveying at Sky Lake delineated new drill targets near the Koval deposit
- Extensive Sky Lake NI43-101 technical report completed
- Relationships were strengthened with Mishkeegogamang FN at Sky Lake and a new chief was elected during the year
- Sampling & mapping confirmed potential of Ni/Cu sulphide occurrences at South Abitibi
- Private placement closed during December 2022
- Kinebik property, Que was sold to O3 Mining

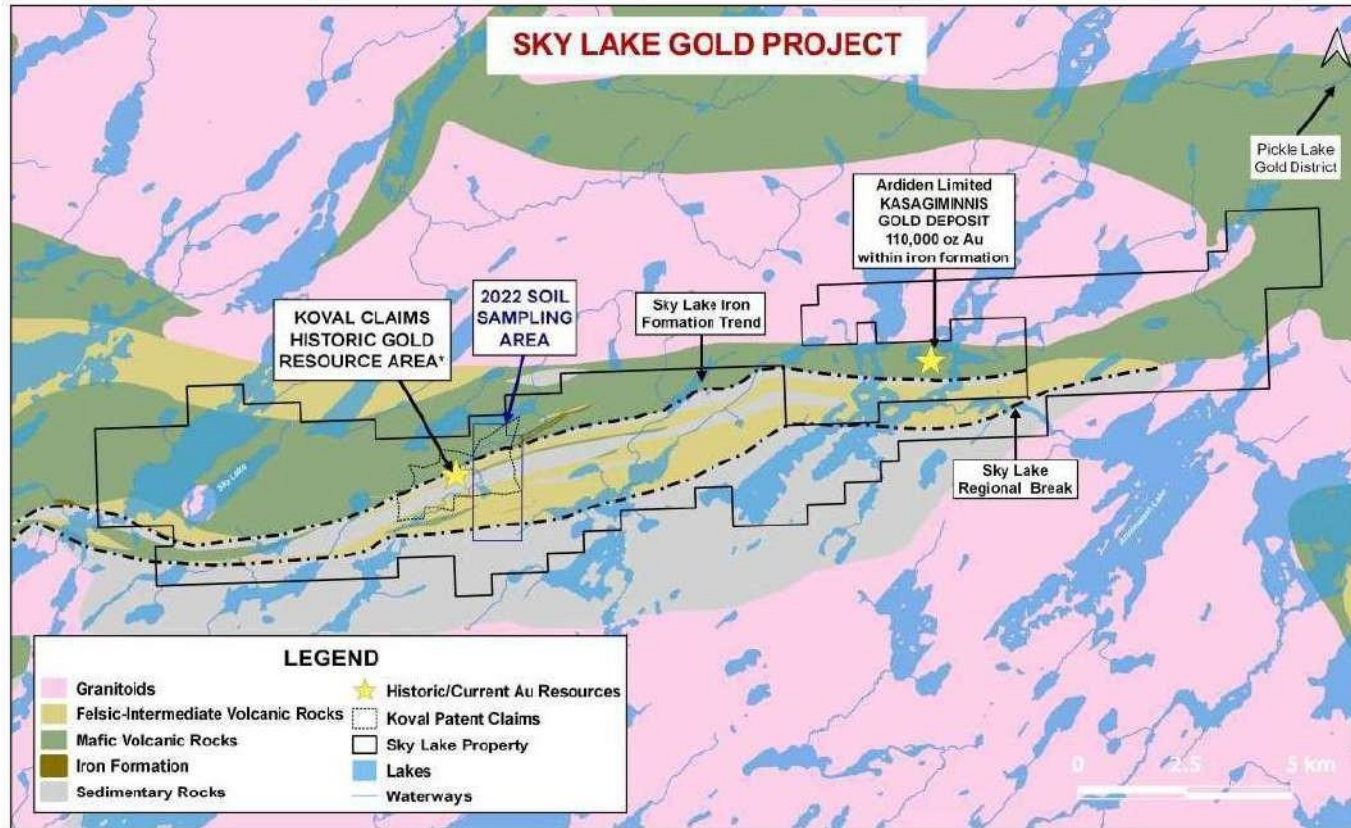


## Sky Lake – Southwest Extension of Pickle Lake District



- 100% interest in 9,100 hectares, a 27 km long gold trend
- 30 km southwest of the established mining community of Pickle Lake; commercial airport, heavy equipment, significant hydroelectric infrastructure along paved highway
- In January 2022, NewOrigin acquired 100% interest in the Koval patented mining claims from Barrick Gold
- Auteco advancing Pickle Crow mine into production, Arciden drilling to expand Au resource at Kasagiminnis, Evolution advancing exploration of greenstone belt to the south

# Sky Lake – Historic High-Grade Gold Deposit



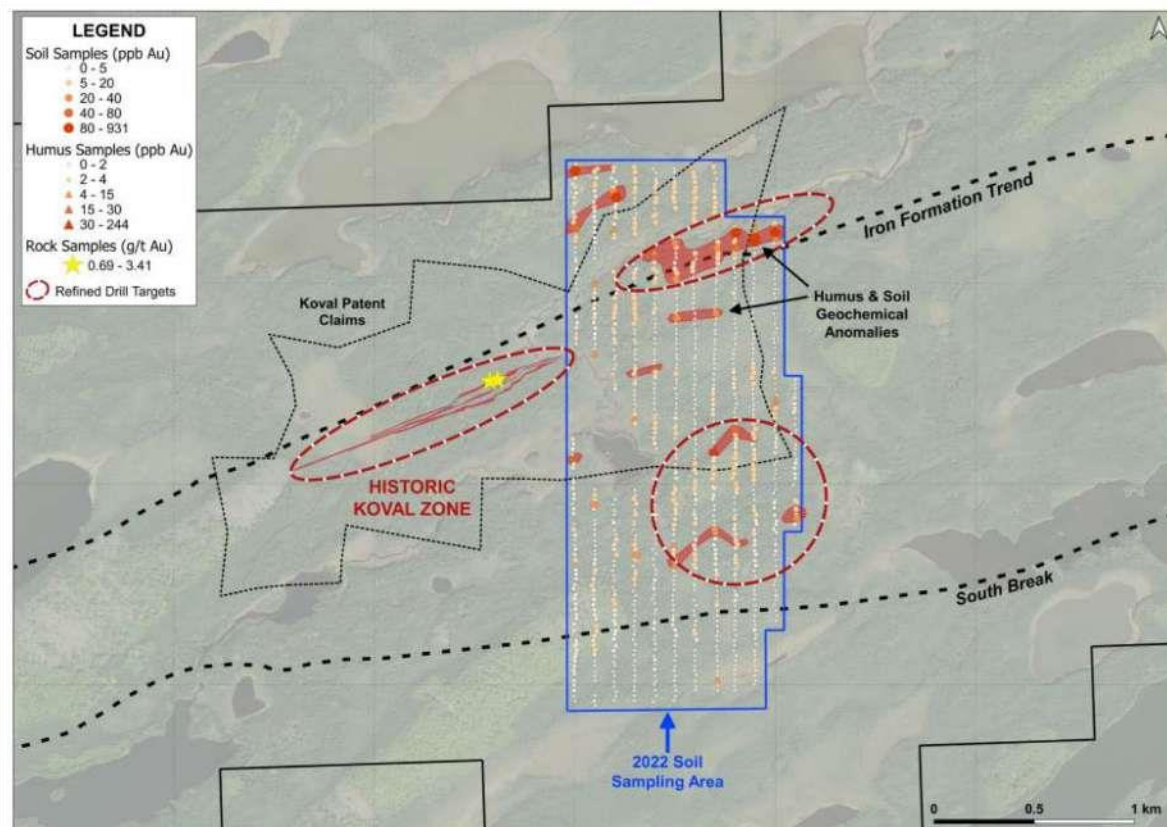
- Koval patented claims host a historic Au deposit discovered in 1950's
- Open at depth and in both directions along strike
- Koval Au deposit & adjacent iron formation targeted for drilling to establish initial Au resource
- Gold occurrences known along 15 km "camp-scale" trend
- Host geologic environment shares important similarities with multi-million ounce gold districts of Quebec & northern Ontario

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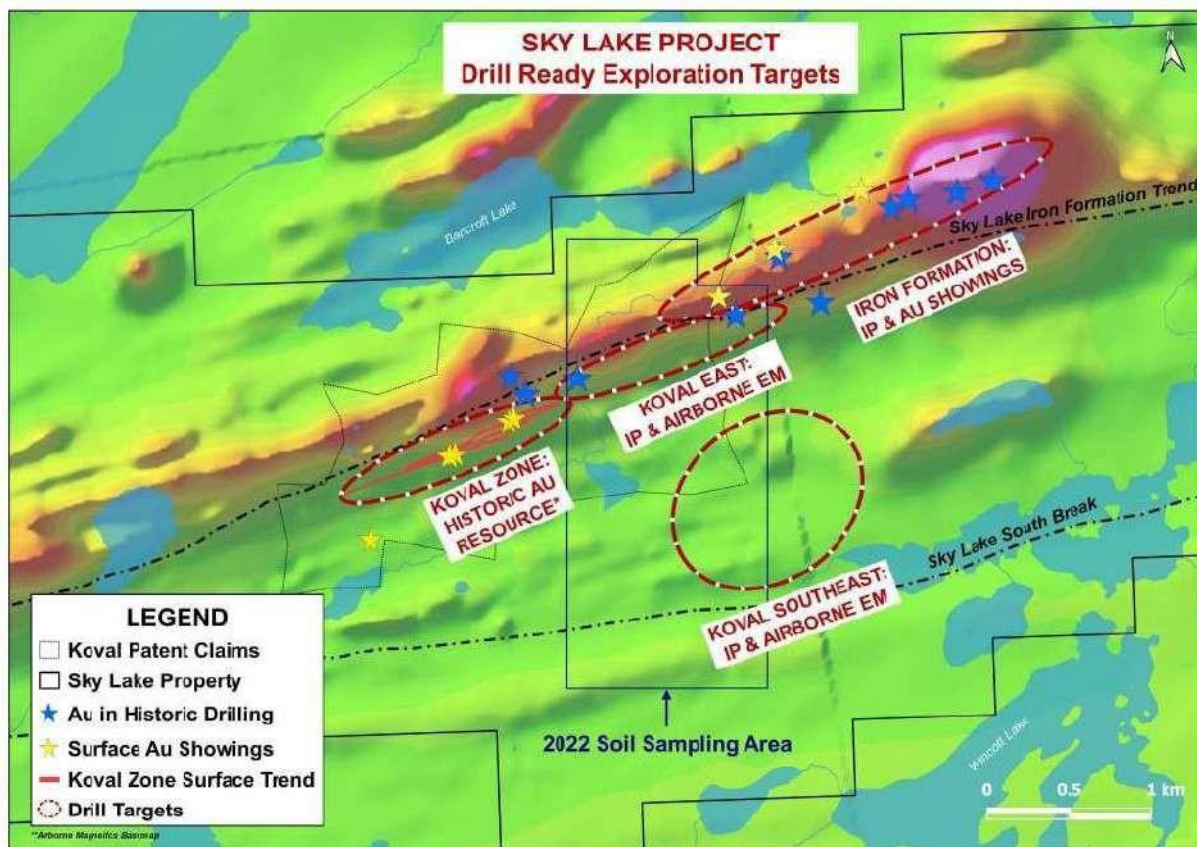
## Sky Lake – Soil Sampling Humus Results



- NewOrigin has modelled a database of over 12,000 geochemical samples at the centre of the Sky Lake property
- In 2022, a total of 574 humus and 450 soil samples were taken along trend east of the Koval deposit
- Humus and soil samples containing anomalous gold & pathfinder elements delineate new target areas to be integrated into upcoming drill programs



## Sky Lake – Drill Targeting Koval & Eastern IP Zones



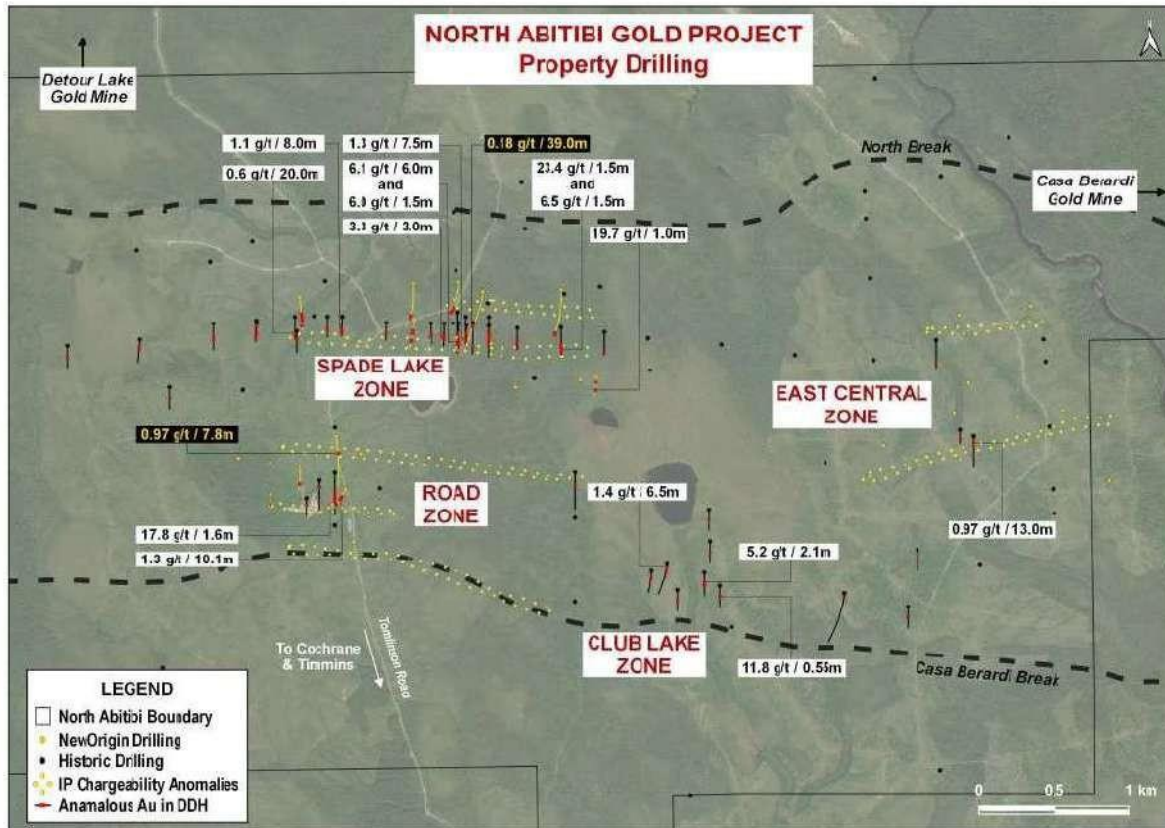
- Drill & exploration permits in place
- NewOrigin has completed 3 IP geophysical surveys including “deep looking” IP over the Koval deposit.
- Geophysical modelling has identified strong responses at depth and adjacent to the Koval deposit
- Additional IP planned along the 5 kilometre “iron formation” and “Koval extension” trends eastward to the Kasagiminnis resource
- Drilling planned to test the Koval gold deposit near surface and at depth & nearby coincident IP/soil geochemical anomalies

## North Abitibi - Highest Level of Gold Endowment Within Ontario's Casa Berardi Trend





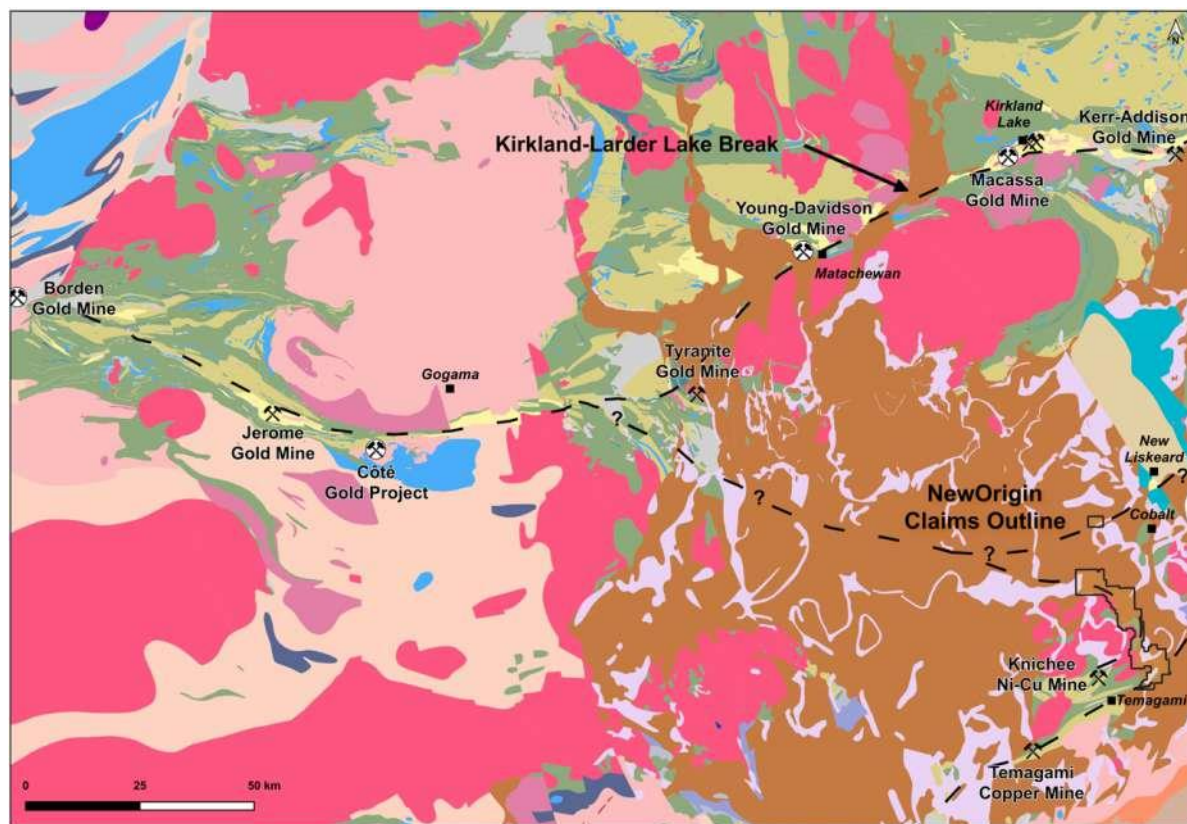
## North Abitibi – Significant Mineralized Gold Structures



- 4,200 hectares, 10 km long property 40 km west of Hecla Mining's Casa Berardi Mine
- Previous shallow drilling identified 4 broad zones containing high-grade gold intercepts along significant strike lengths
- Gold is within a 2 km thick sequence of rocks traced for over 7 km
- 4 hole, 1,875 metre diamond drill program to test IP anomalies at depth completed in December 2021
- Drilling confirmed the prospectivity for high-grade discoveries within the known broad zones of gold mineralization

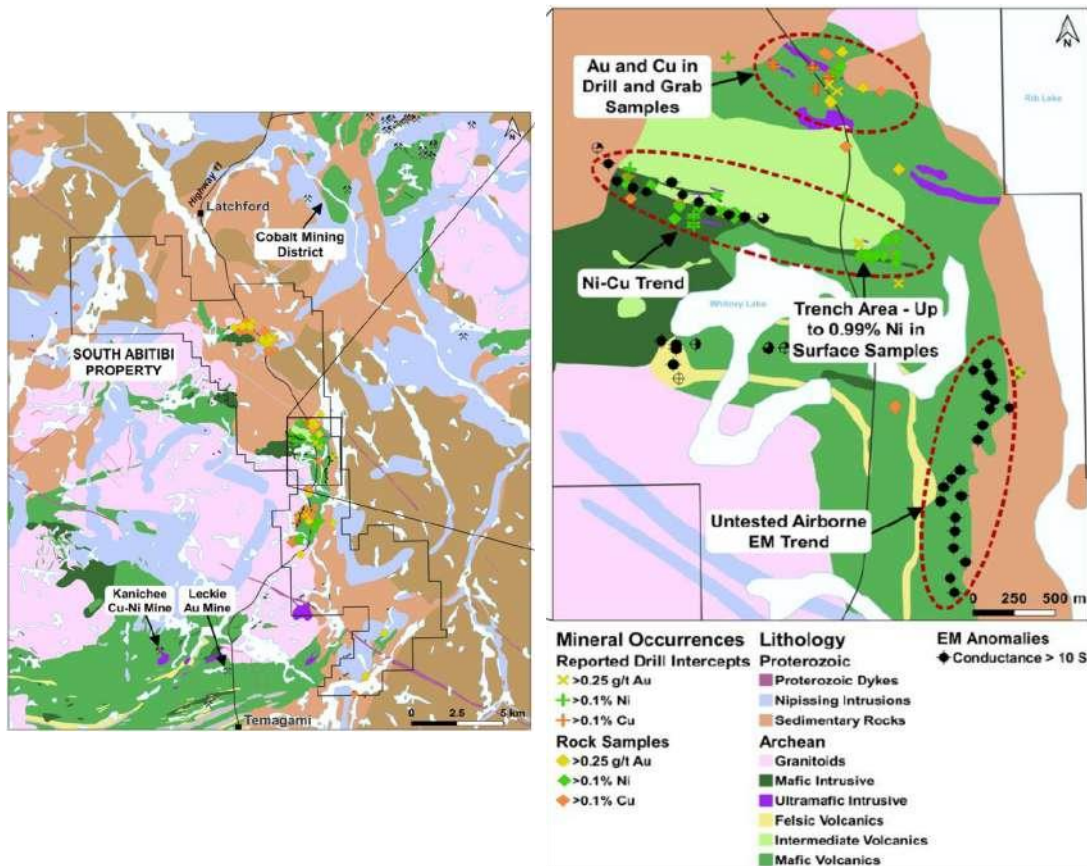


## South Abitibi – Critical Minerals and Gold Occurrences



- South Abitibi overlies a complex and metal-rich geological environment
- Cobalt Plate rocks partially cover the underlying, property-wide prospective Abitibi Greenstone Belt
- “World-class” gold & base metal districts occur to the north in similar Abitibi rocks
- The Cobalt Ag-Co District is within the Cobalt plate immediately east-northeast of the property and Sudbury (Ni/Cu) to the southwest
- The properties also extend over a large segment of “Temiskaming Rift”, a deep crustal structure known to contain diamondiferous kimberlite

## South Abitibi – Nickel/Copper Gold Targets



- NewOrigin holds a large land position in the Cobalt-Temagami region
- An exploration moratorium from 1970 until ~2000 left the property unexplored compared to the “northern” Abitibi
- Infrastructure and access is excellent due to its location central to 3 major mining districts
- NewOrigin has identified and conducted preliminary exploration at Au, Ni/Cu and Co/Ag occurrences
- A next phase of surface surveying and drilling is warranted at priority Ni/Cu and Au zones

## Capital Structure

- Shares Outstanding: **56,891,681**
- Options: **2,730,000**
- Warrants: **5,200,000\***
- Fully Diluted: **64,821,681**
- Market Cap: ~**C\$2.3M**
- Cash & Equity+: ~**C\$100k**

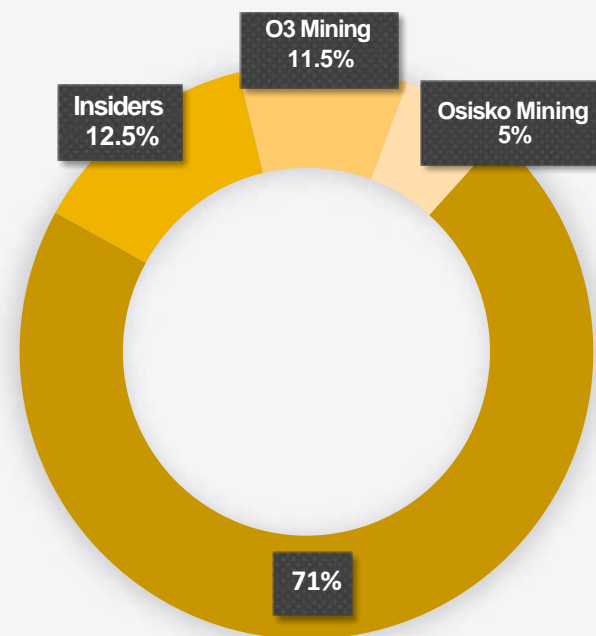
### Significant Shareholders



O3 Mining

\* \$0.10 - exp. December 20, 2024

+ Includes 58,935 common shares of O3 Mining Inc.





# Proven Mine Finders



Bousquet #1 Mine

## Board and Management

### Robert Valliant, PhD., Chairman, Director

- Co-founded and listed Tri Origin on TSX, founded and listed TriAusMin on ASX and TSX. Former VP Exploration for LAC Minerals. Has lead discovery teams delineating over 10 M oz gold and substantial base metal resources at deposits in the Canadian Shield, the US and Australia.

### Andrew Thomson, Director

- Currently President and CEO of Palamina Corp. Former President and CEO of Soltoro Ltd. acquired by Agnico Eagle Mines in June of 2015.

### J.P. Janson, Director

- Former Managing Director National Wealth Management with Richardson GMP and CIBC Wood Gundy

### Michael Farrant B.Comm., CPA, CA, CFO

- Over 26 years in the minerals industry formerly in senior positions with Kinross and Barrick as well as acting as CEO for junior resource companies.

## Drill Discovery Phase in Established Mining Camps



- Portfolio of significant projects assembled over decades in Ontario's Abitibi and other productive greenstone belts where over 200 Moz of gold have already been produced
- NewOrigin's gold projects have the potential to host Tier 1 gold deposits
- Large "district-scale" property positions offer potential for multiple discoveries
- Focused on drill testing the historic Koval deposit and IP targets at Sky Lake in Pickle Lake District
- Advancing other projects through in-house exploration and joint venture partnerships

## Exploration Plans for 2024



- Diamond drill at the Koval deposit, Sky Lake
- IP surveying eastward from Koval to target iron formation and resource extensions- Koval to Kasagiminnis
- North Abitibi- pursue corporate alliances followed by property-wide geophysical surveying
- South Abitibi advance both Au and Ni/Cu exploration through joint ventures
- Strengthen management and build sustainability through corporate relationships





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