

Opportunity in 2025



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(L to R) Koby Kushner, Ben Kuzmich, David Goodman





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\*All currency is in Canadian dollars unless otherwise noted



### Why Libra Energy Materials?





**Genuine Explorer** 

- Libra's vast land holdings across Ontario and Quebec makes it amongst the largest lithium explorers
- Libra discovered Li mineralization on three projects in <1 year, with a cost-per-discovery cheaper than all Canadian peers



**KoBold Funded** 

- \$33M earn-in deal with KoBold Metals, Bill Gates-backed AI explorer
  - KoBold may earn up to a 75% interest in three of ten of Libra's projects
- KoBold has retained Libra as an exploration contractor



Proven Team with skin-in-the-game

- CEO Koby Kushner is a mining engineer and sell-side lithium analyst
- Chairman David Goodman, former CEO of DundeeWealth (sold to Scotiabank for \$2.3B)
- Technical team with dedicated lithium geologists
- Board, Management, Advisors, own half the company



Favourable Lithium Macro

- Lithium demand growing faster than lithium supply, deficit expected
- Supply cuts and M&A indicative of market lows
- Lithium exploration has been underfunded



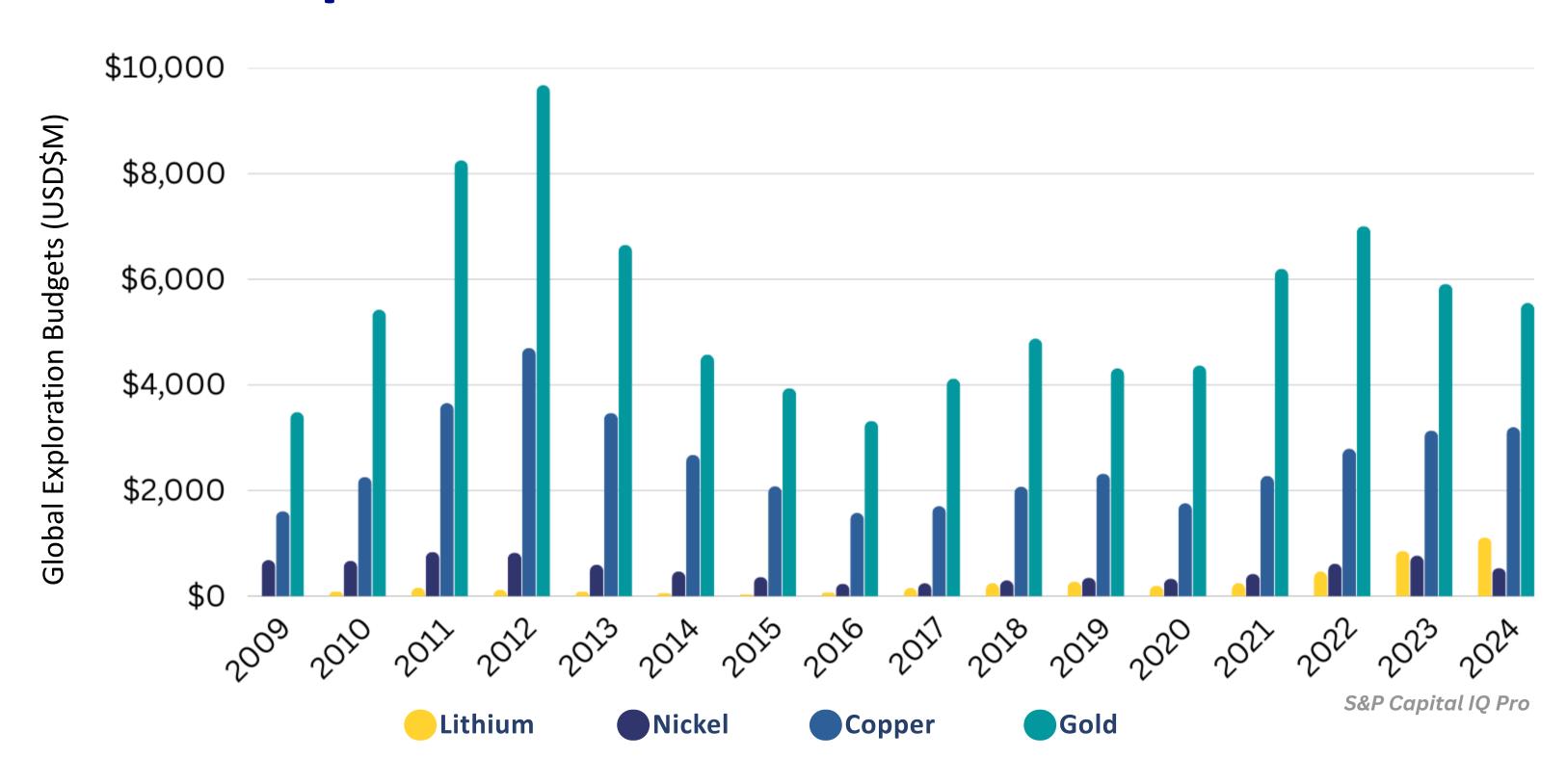
**Consolidator Opportunity** 

- Lithium projects trading at historical lows on the back of low lithium prices
- Oversupply of lithium companies created during the 2022 price run-up
- Libra well-equipped to consolidate the sector, with low cash needs, partner-funded exploration, and proven capabilities to systematically screen quality projects



# The Case for Lithium Exploration

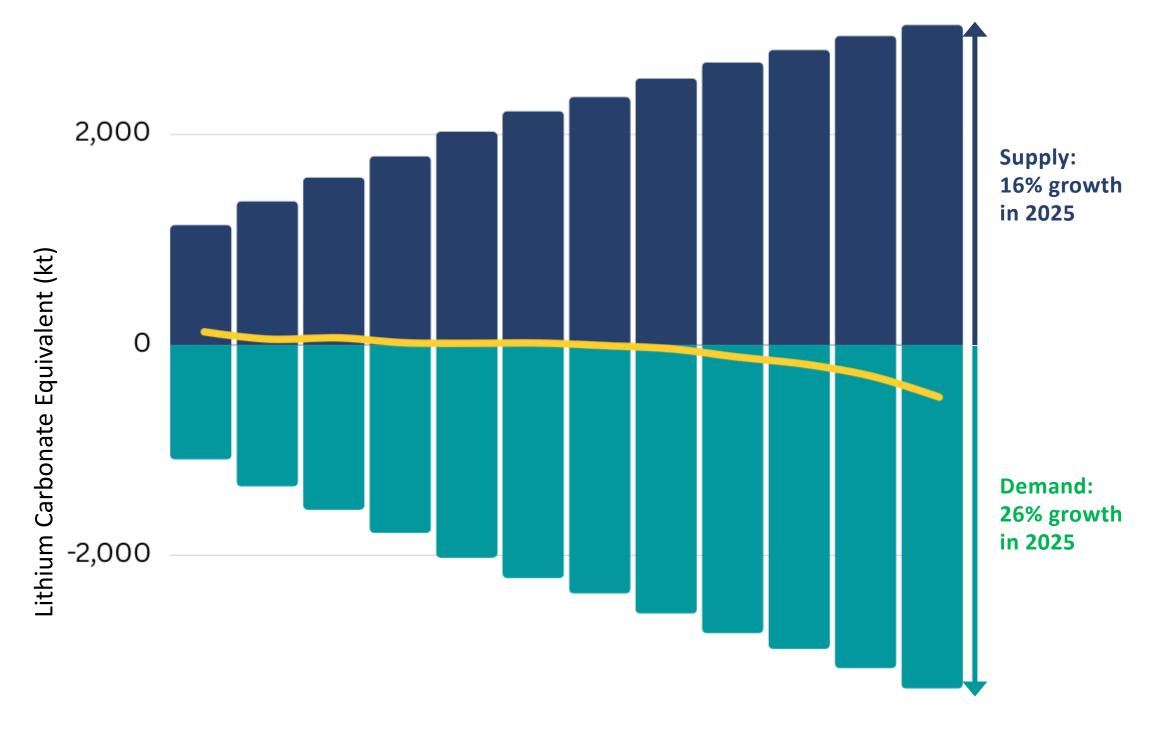
Lithium has barely seen grassroots exploration; plenty of low-hanging fruit remains





# Lithium Deficit Looming

Demand set to grow faster than supply; deficit anticipated in coming years.



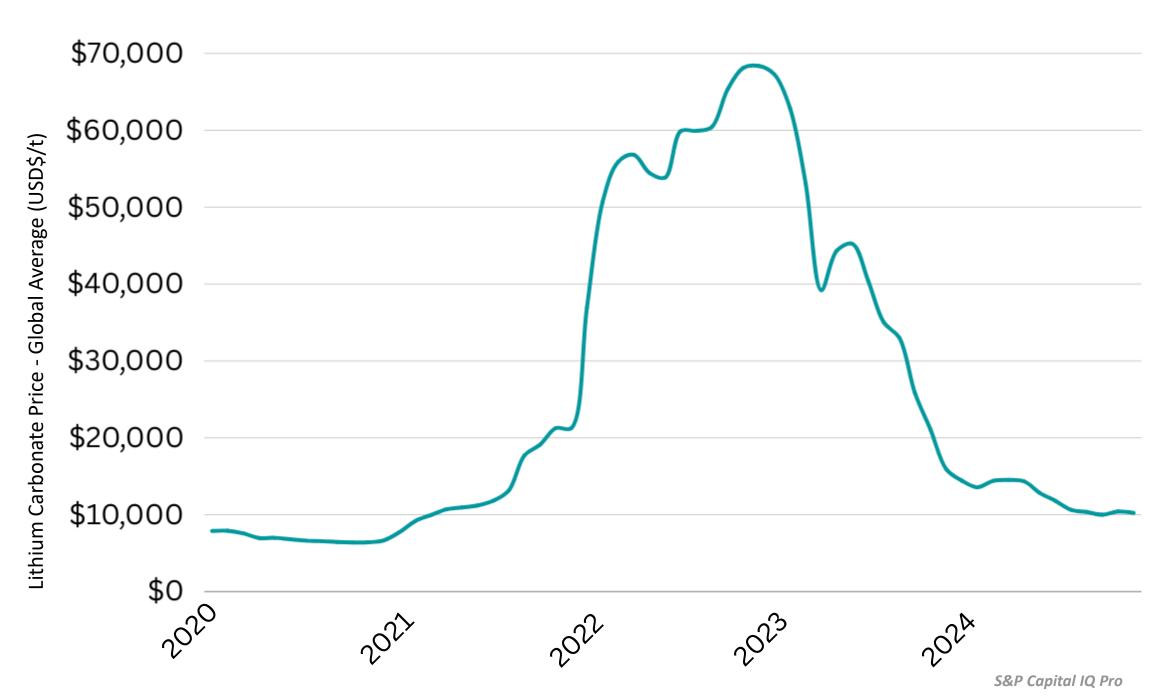






### The time to be counter-cyclical is now





### Lithium experiences boom-bust cycles

- Prices peaked in 2022, then crashed as new supply came online, causing oversupply
- Typical down-cycles last ~2 years
- Recent supply cuts and M&A signal a turning point

### High prices cure high prices, low prices cure low prices.

### Major production cuts announced in 2024

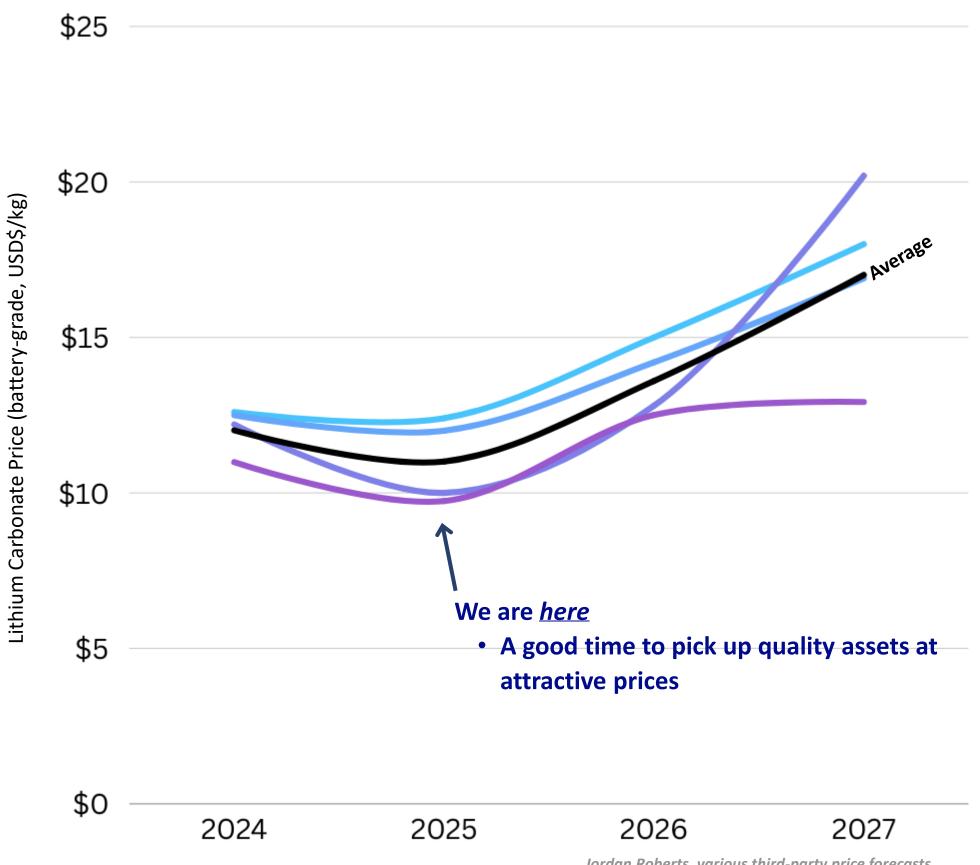
- All major lithium miners downgraded their production guidance
- Several operations now halted
  - e.g. Bald Hill, Mt Cattlin, Finniss, Jianxiawo,
     Ngungaju
- Expansion/start-up plans delayed
  - e.g. Wodgina, James Bay, Kings Mountain, Carolina





### Lithium price recovery imminent





### Analyst consensus has turned bullish

- +15-20% price improvement through to 2027
- Shrinking surpluses, with deficit returning in coming years

### Major M&A activity heating up

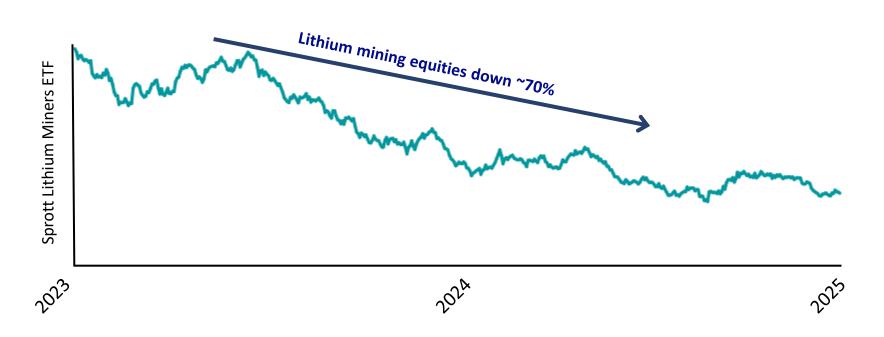
- Rio Tinto acquiring top-ten lithium producer, Arcadium, for USD\$6.7B
- Pilbara acquiring lithium developer, Latin Resources, for USD\$369M
- Canada lithium producer, Sayona, and Piedmont, merging into USD\$623M company
- Volkswagen buys 9.9% stake in Canada lithium developer, Patriot Battery Metals for USD\$48M
- Chinese miner, Zijin, in talks to buy USD\$1.87B controlling stake in Zangge Mining to expand lithium push





## There is a flash sale on lithium assets ...and we're ready to take advantage!



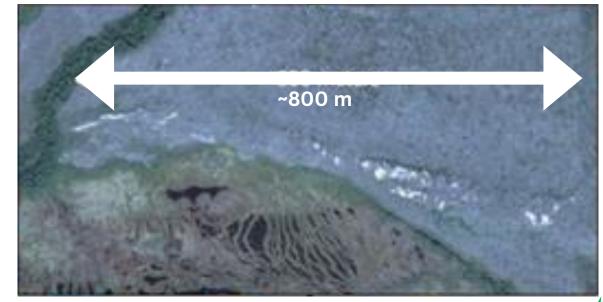


### Lithium took a beating, especially the juniors

- 2022 price boom caused a staking rush; many low-quality public companies - "promoters" - were born
- The space is now much less competitive; many companies now cashless and trading at historic lows, leading to attractive M&A opportunities for those better positioned
- Prospectors have been unable to sell projects; quality ground starting to open up for staking

### Libra is uniquely positioned to capitalize on the current lithium market

- Right team for the job
  - Proven explorers who can systematically screen ground and make discoveries affordably
    - In < one year, Libra discovered lithium mineralization on three projects with < \$2M raised (average peer requires ~\$4M-\$5M raised before making a grassroots lithium discovery)</li>
- Lean, efficient, and capital-light
  - "Low-cost, high-impact" exploration model
  - KoBold's funding up to \$33M in exploration and retaining Libra as a contractor
- Targets identified
  - ~480 potential pegmatite targets identified, with up to ~800 m deposit strike potential
- Going public in 2025 (CSE: LIBR)
  - Public markets expected to help facilitate M&A



Potential pegmatite targets via satellite imagery



### **Not Stock Promoters**



Koby Kushner, P.Eng., CFA
Chief Executive Officer, Director

10 years' experience in mine engineering and capital markets; former sell-side lithium analyst



Ben Kuzmich, MSc., P.Geo. Vice President, Exploration

15 years' experience in mining and mineral exploration



Andrew Jedemann, MSc., P.Geo. Exploration Manager

~7 years' experience in mining and mineral exploration



Andrew Best Manager, Indigenous Relations

>30 years' experience building long-term business relationships with First Nations across Canada



Lot Koopmans, MSc.
Technical Advisor



Pegmatite geology expert, PhD candidate at University of Oxford



David Goodman, LLB, CFA
Chairman

Former CEO, DundeeWealth and Dyanamic Funds; Founder & CEO, Humour Me



Zachary Goldenberg, JD/HBA
Director

Securities lawyer by background, Principal of Liberty Venture Partners, Advisor to TSXV



Carlo Rigillo, CPA, CA Chief Financial Officer

>20 years in professional accounting, financial reporting and analysis



Raymond Harari
Capital Markets Advisor

Former banker, turned investor and entrepreneur; Founder of Canalis Capital, a family office.



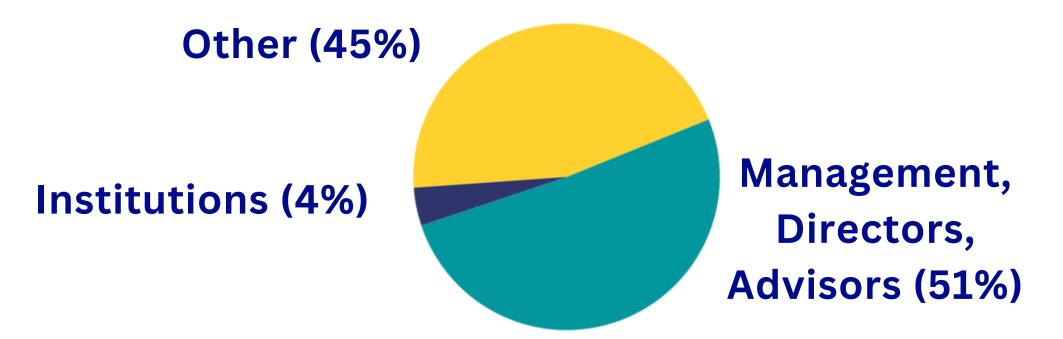


Shares Outstanding	57M
Incentive Options	4M
Warrants	0
Fully Diluted	61M

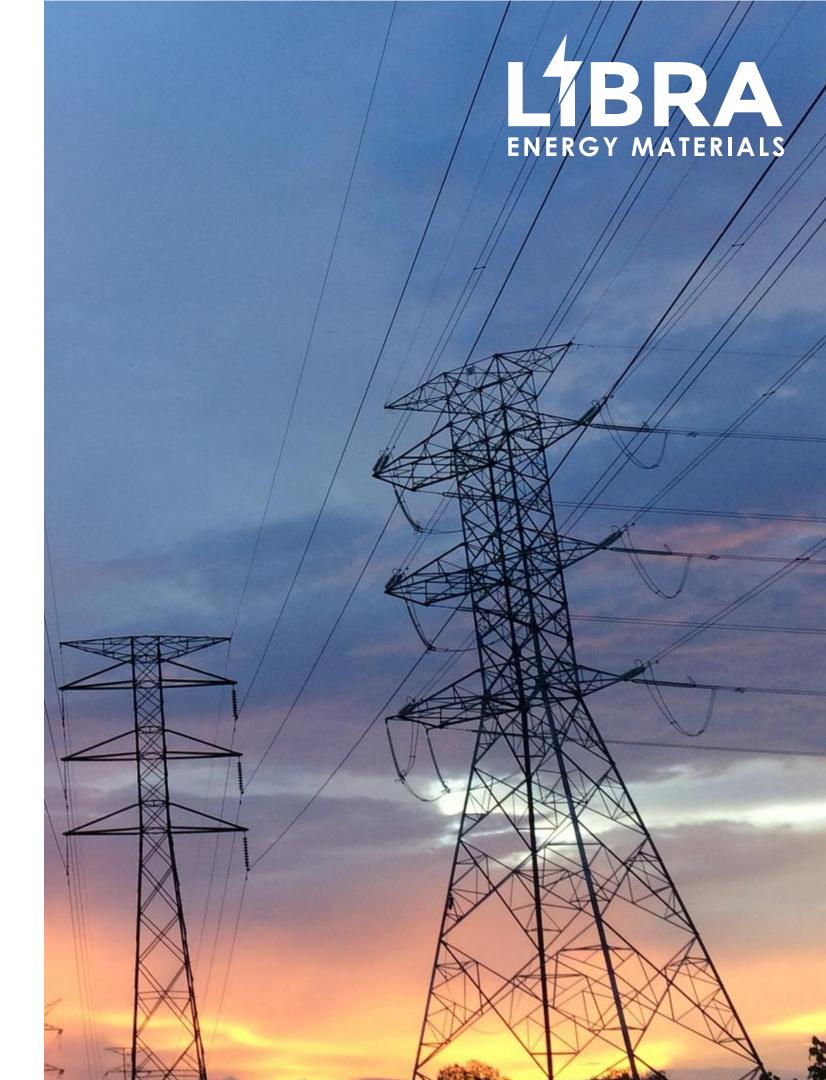




- Clean structure, zero warrants, significant insider ownership
- Management and directors have been the lead order in every raise to date
- Most other investors considered "close associates"



Principal shareholders of Libra, representing 24M shares, are subject to pooling agreement over an indefinite period, restricting any share sales until consummation of a change of control transaction and in certain other limited circumstances.

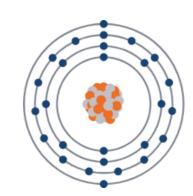














- KoBold Metals and Libra entered into a \$33M earn-in agreement in November 2024
  - KoBold may earn up to a 75% interest in three projects by spending up to \$33M over six years; Libra retains 25% of these projects and 100% of the rest of its vast portfolio
  - KoBold has retained Libra as an exploration contractor, with monthly cash fees of \$35k over two years

Stage	Anniversary	Cumulative Earn-In Threshhold for each project (CAD\$)			Cumulative Expenditures	KoBold Interest in
		Flanders South	Flanders North	SBC	(CAD\$)	Property-Specific JV
Stage 1	1st Year		\$0.75M		\$0.75M	0%
	3rd Year	\$4M	\$3M	\$4M	\$11M	51%
Stage 2	6th Year	\$12M	\$9M	\$12M	\$33M	75%

- KoBold is a battery metals exploration and mining company that combines geoscience with AI, machine learning, and data science to improve and accelerate the exploration process.
- Backed by renowned investors (incl. Bill Gates' Breakthrough Energy, Andreessen Horowitz), KoBold has raised nearly USD\$1B and is exploring more than 60 projects across four continents.



### Enough ground to explore > 14x Manhattan



Project	Location	Description	Size (ha)
Flanders South	Ontario	New grassroots spodumene discovery, up to 2.86% Li <sub>2</sub> O in a ~35 m wide pegmatite. < 3 km from all-season Flanders Road. Along-trend of Green Technology Metals' Wisa Lake project. Coarse-grained tantalite up to 4,469 ppm Ta <sub>2</sub> O <sub>5</sub> .	8,711
Flanders North	Ontario	Three-hour drive from Thunder Bay in the Flanders District. All-season road and powerline transect project. > 600 pegmatite targets never previously mapped or sampled, up to 200 m wide, showing LCT chemistry.	
SBC	Ontario	New grassroots lithium discovery: 18 new spodumene outcrops over a > 12 km trend found in ~1.5 weeks, pegmatites up to ~30 m wide, spodumene crystals up to 16" long, grading up to 6.64% Li₂O.	13,703
Toivo	Ontario	Adjacent to SBC, straddling the same Uchi-English River sub-province boundary. Still unexplored by Libra.	9,448
Burton	Ontario	Flanders District. Along-trend of Usha Resources' White Willow project, where sampling returned up to 14.64% TTa <sub>2</sub> O <sub>5</sub> and 0.5% Li <sub>2</sub> O. Project is located along sub-province boundary and borders Kenorland Minerals' Algoman project.	
Battery Hill	Ontario	Historic drilling ended hole in > 28.5 m wide pegmatite with highly elevated Li-Cs-Ta (LCT) values and low K/Rb ratio. The pegmatite has been interpreted to have a potential strike length of 8 km and open in all directions.	
Bitchu	Ontario	12 km strike length with > 99.8th Li and > 98% Cs percentile lake sediment anomalies along granite-mafic contact.	1,096
Kivinen	Ontario	Numerous pegmatites intersected in historic drilling, one with recorded "possible spodumene crystals" within central unowned claim block.	2,690
Nemiscau	Quebec	Mapped pegmatites up to 100 m wide, in Quebec's James Bay region, where significant lithium discoveries have been made, including Patriot Battery Metals' Corvette and Winsome Resources' Adina projects. Adjacent to Azimut Exploration.	2,454

**Subject to KoBold Metals Earn-In** 

100%-owned by Libra, with no underlying royalties attached (except for certain portions of Nemiscau)

# The Superior Craton

- Extends from Quebec, through Ontario, into Manitoba
- World-class geology, home to the largest hard-rock lithium deposits in the Americas
  - Patriot's Shaakichiuwaanaan
  - Arcadium's James Bay
  - Sayona's Moblan
  - Frontier's PAK + Spark
- Canada's only source of domestic lithium production
  - Sayona's NAL mine
  - Sinomine's Tanco mine





### LIBRA ENERGY MATERIALS

### We rank our projects by:

### 1. Geologic Potential

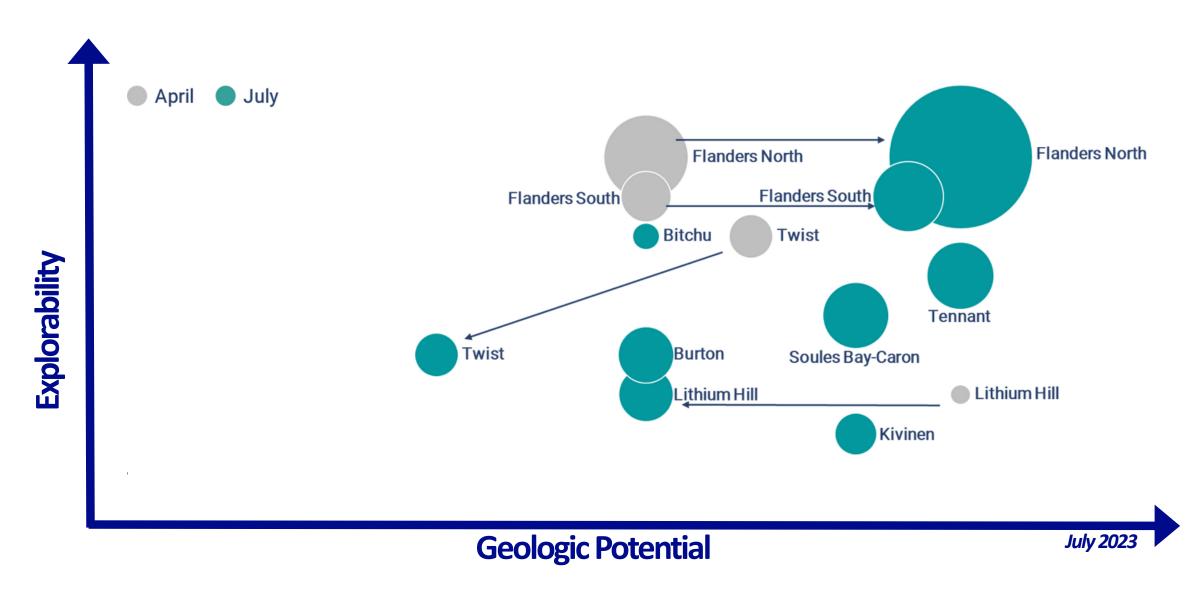
- "Size of the prize"
  - We typically target pegmatites with
     30 m true-width potential, or
     projects with > 50 Mt potential

### 2. Explorability

- If there's a deposit hiding, how likely are we to find it and advance it?
  - We typically prefer outcropping pegmatites, shallow overburden, and near infrastructure

#### 3. Iterative Process

- Rankings change as more data is collected
- As projects approach bottom-left, we look to drop them
- As projects approach top-right, we look to expand them (bubble size = project size)



<sup>\*</sup>figure above is purposefully out-of-date, and is shown purely for illustrative purposes



### SBC Project (under KoBold earn-in)



New spodumene field discovered in 2024

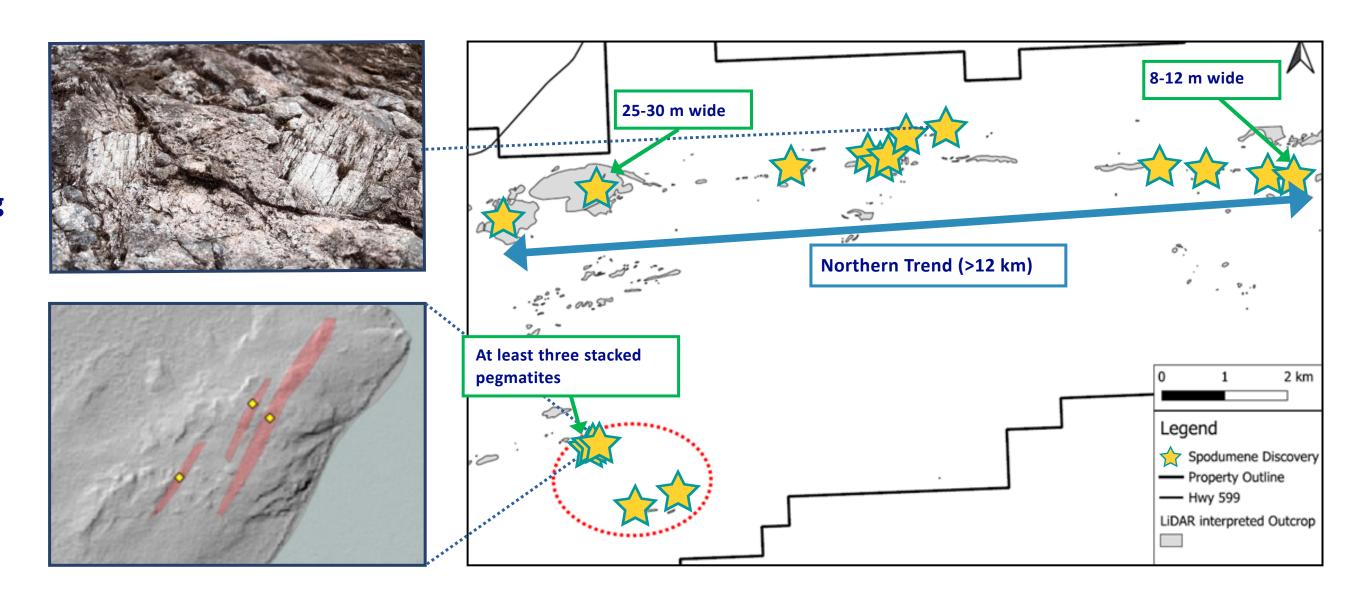
### In 2024, Libra discovered:

- 18 spodumene-bearing pegmatite outcrops over a 12 km trend
- Spodumene pegmatites up to
   30 m wide
- Spodumene crystals up to 0.4 m long
- Grades up to 6.64% Li<sub>2</sub>O (grab samples)

All found within 12 days at SBC, only ~2% of which has been explored

### **Infrastructure advantage:**

- Paved highway transects project area, providing easy access to:
  - Pickle Lake, a historic mining town with board accommodation and airport
  - Rail service at Savant Lake





### First Mover Advantage in New Spodumene District LIBRA



### Libra's discovery sparked a staking rush:

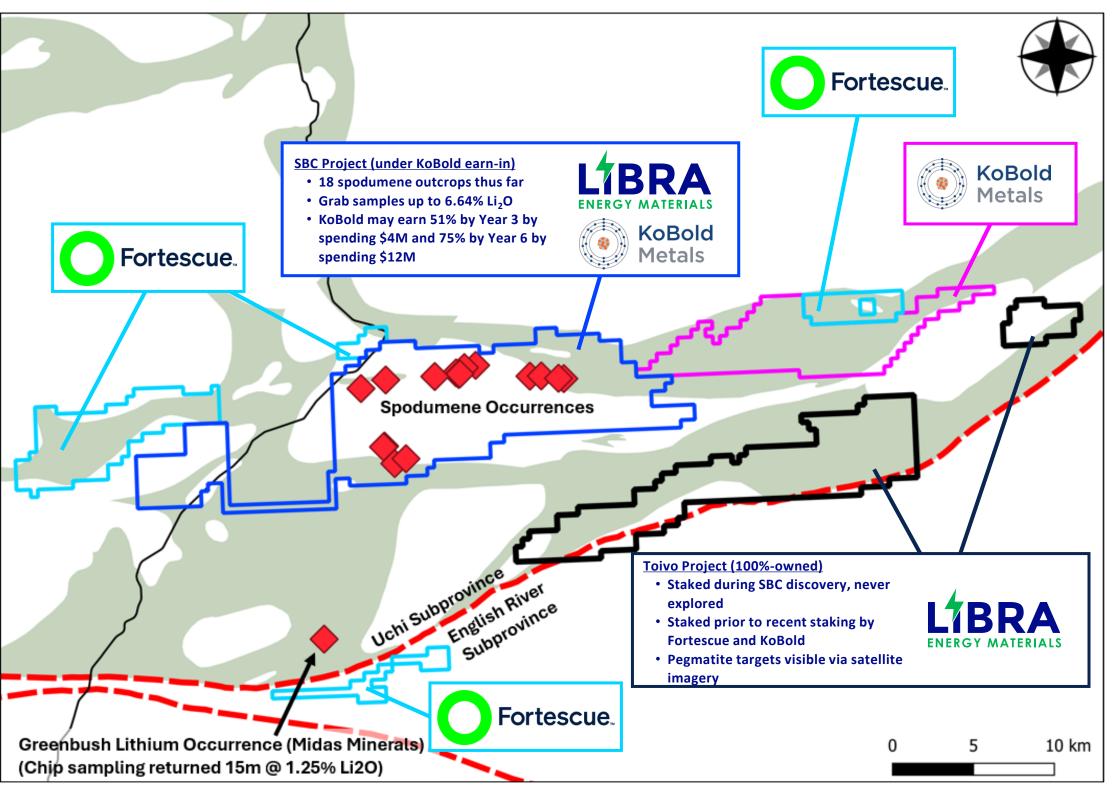
- Following the SBC discovery, Libra immediately expanded its position, with staking of Toivo
  - Toivo straddles a major sub-province boundary
  - Satellite imagery shows numerous, potentially large-sale, pegmatite outcrops
- KoBold and Fortescue<sub>TM</sub> have since begun staking in the area

### **Toivo project:**

- 100%-owned by Libra, no earn-in, no royalties
- Straddles a major sub-province boundary
- Satellite imagery shows numerous, potentially large-scale, pegmatite outcrops
- Never previously explored

### **Next steps at Toivo:**

- LIDAR/Ortho survey (~\$75k)
- Heli-supported prospecting (~\$400k)
- Goal: identify multiple spodumene outcrops





### Flanders District Projects

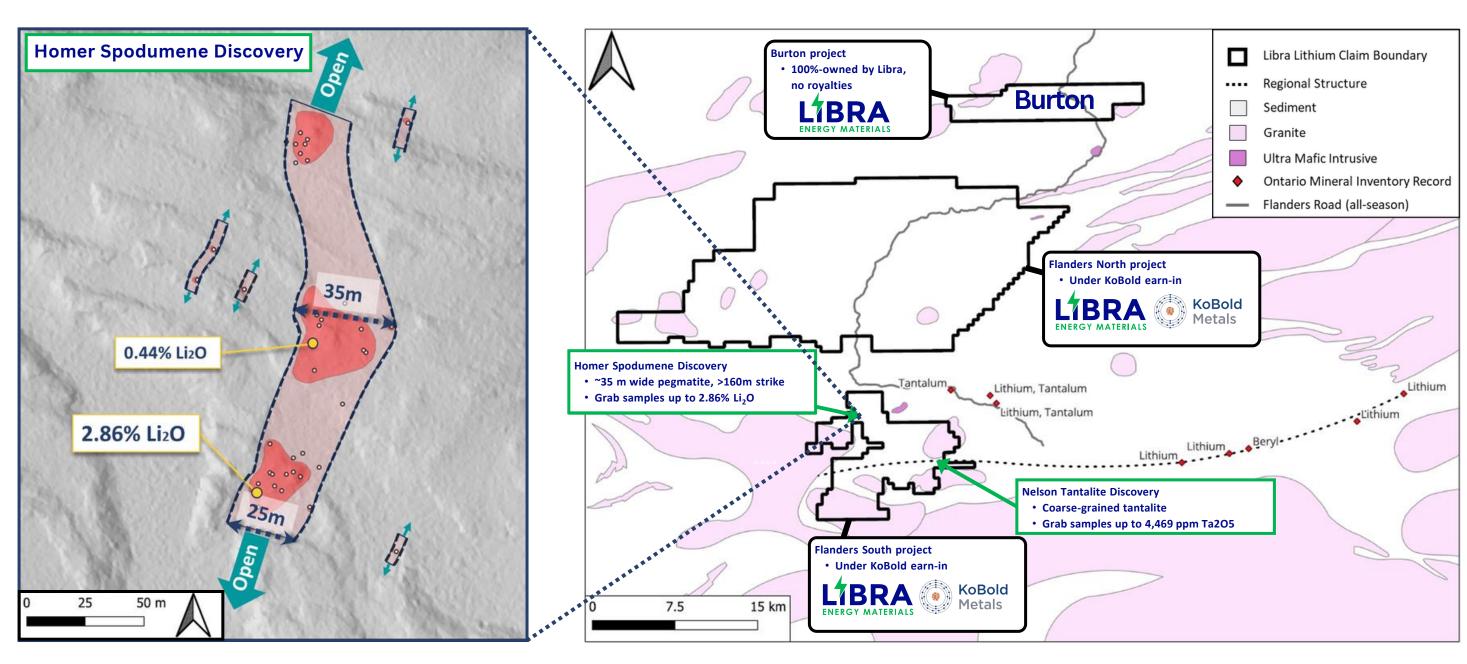
### LIBRA ENERGY MATERIALS

### District-scale position in the Quetico sub-province:

- Underexplored (zero historical exploration prior to Libra)
- ~3-hour drive from Thunder Bay, near Atikokan, a former mining town
- Easily accessible, with logging road network and an all-season road off Highway 11

### In 2023, Libra discovered:

- Hundreds of LCT pegmatites, with surface exposures up to 200 m wide
- The Homer spodumene pegmatite, up to 35 m wide, at least 160 m long, with grab samples up to 2.86% Li<sub>2</sub>O
- The Telson tantalite pegmatite, with grab samples up to 4,469 ppm Ta<sub>2</sub>O<sub>5</sub>
- A 6.5 km long structural corridor of highly anomalous pegmatites



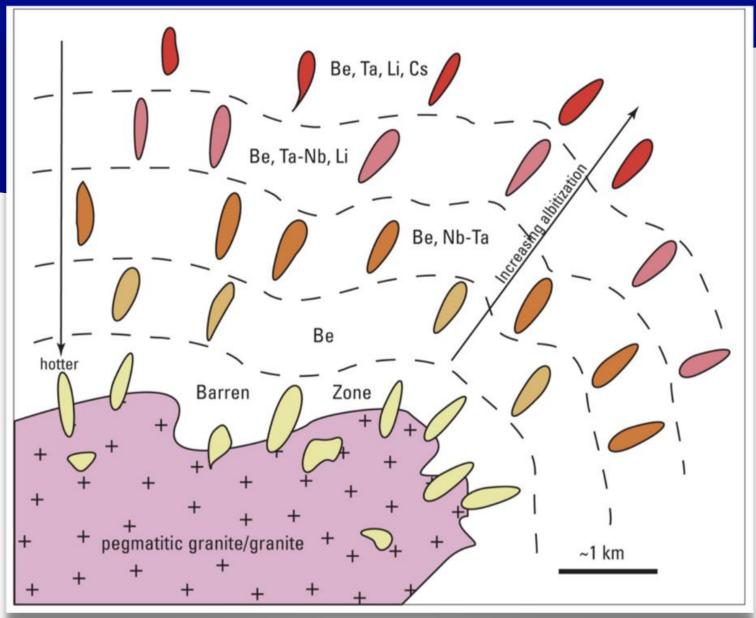


Occurs in pegmatites; with the primary Li-bearing mineral being spodumene

### **REGIONAL ZONATION**

Not all pegmatites contain lithium

- Pegmatites formed as offshoots of a granitic source
- Li-bearing pegmatites occur in spatially-related "Goldilocks zone" - generally ~3-4 km from the granite

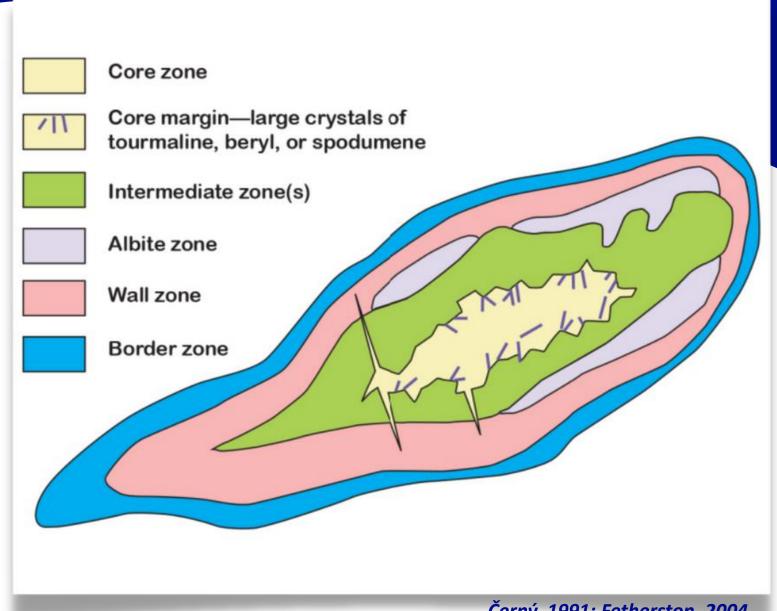


Trueman and Černý, 1982; Mark D. Cocker

### LOCAL ZONATION

Lithium mineralization often hidden within the pegmatite

- Pegmatites crystalize inwards from the host rock contact
- Li-bearing minerals tend to form in the intermediate to core zones







### Thank you!

### **Koby Kushner, CEO**



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