

OMNIA
METALS GROUP LTD

Lac des Montagnes Lithium Project

PRESENTATION – APRIL 2023



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The information in this presentation that relates to Exploration Results is based on information compiled by Dr. James Warren who is a Member of the Australian Institute of Geoscientists and who is a Director of the Company. Dr. Warren is a full-time employee of Omnia Metals Group Ltd and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2012 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Dr. Warren consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

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DR. JAMES WARREN

Managing Director



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Non-Executive Director



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Company Secretary



KANE FREEMAN

Exploration Manager



Corporate Overview

ASX code

OM1

Shares on Issue

42.6M

Listed options (exc. \$0.25)

18.8M

Unlisted options (exc. \$0.25)

11.6M

Share price (21 April '23)

\$0.32

Market Cap (undiluted)

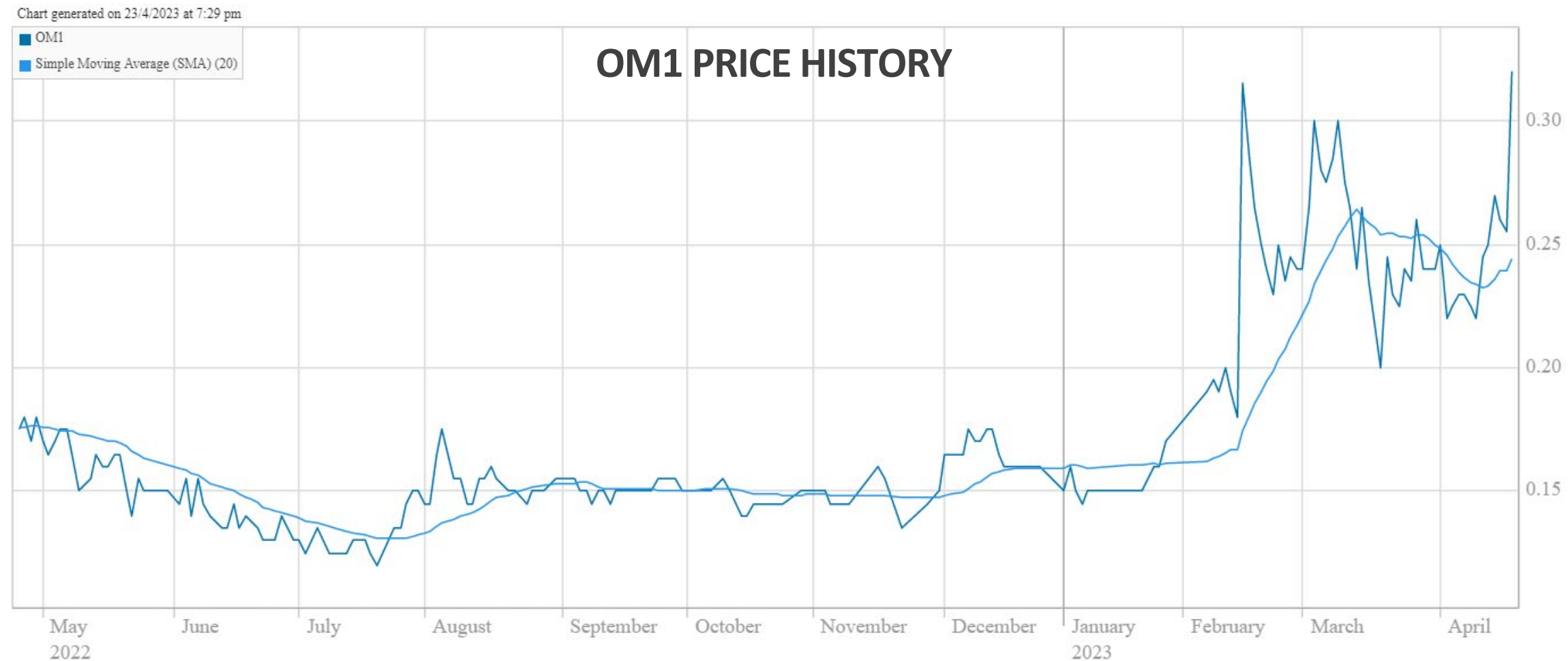
\$13.6M

Cash at Bank (31 March '23)

\$2.4M

Debt

\$0



Upcoming Milestones

- April**
 - Finalise due diligence and acquisition.
 - Finalise exploration targets, programs and budget.
- May**
 - Commencement of mapping and rock chip sampling.
 - Site visit by key Omnia personnel.
 - First Nations and stakeholder engagement.
- June**
 - Early observations and results from sampling.
 - First assays expected.
- July**
 - Continuation of mapping and sampling programs.
 - Regular flow of rock chip results.
 - Preparation for commencement of drilling.
- August**
 - Mobilise for maiden drill program.
- Q3-CY2023**
 - Continual flow of rock chip and drilling results.



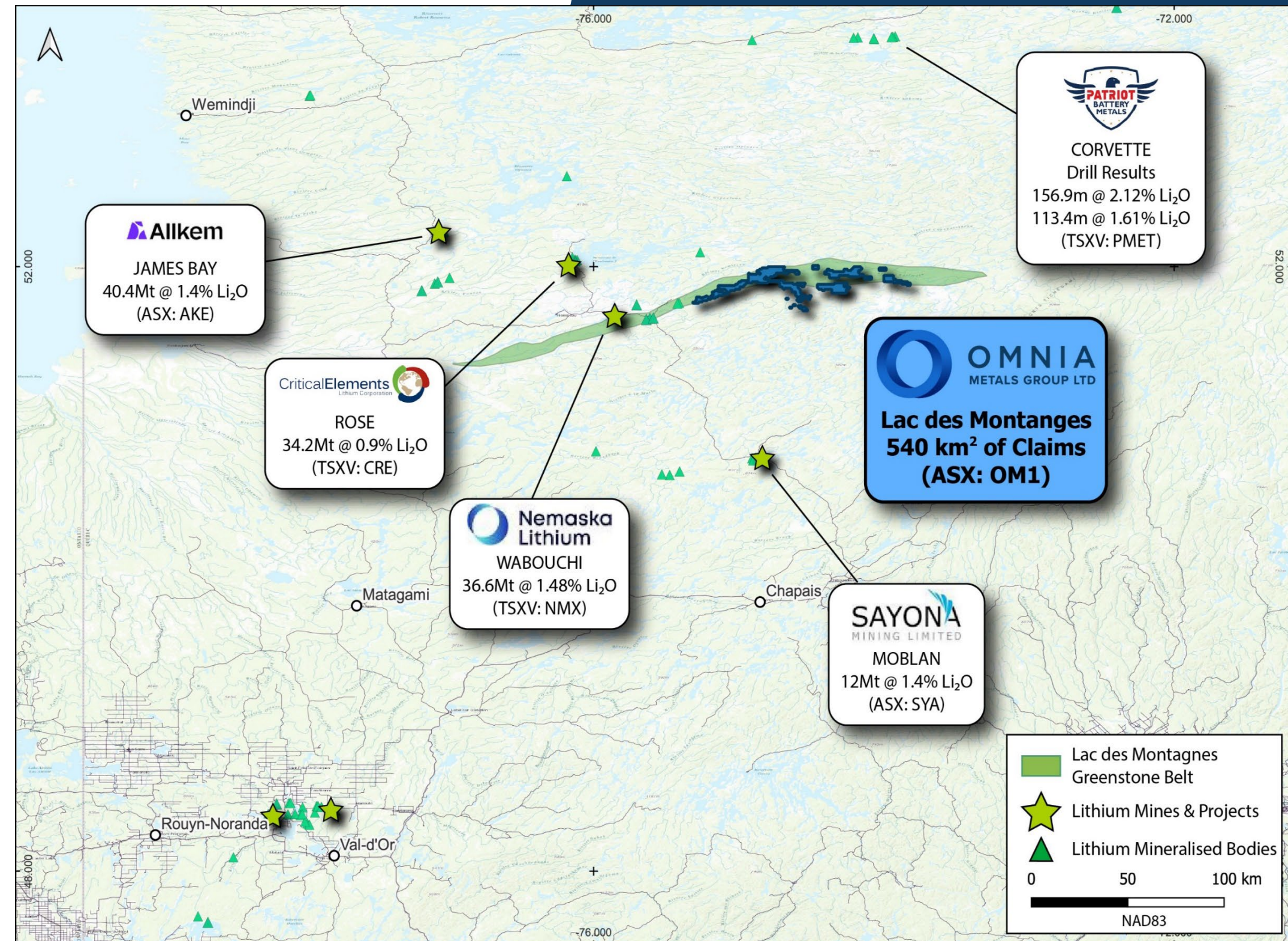
The Lac des Montagnes Project



540 km² of Archean aged greenstone belt in a Tier 1 jurisdiction

The James Bay region is a world-class lithium exploration and development district.

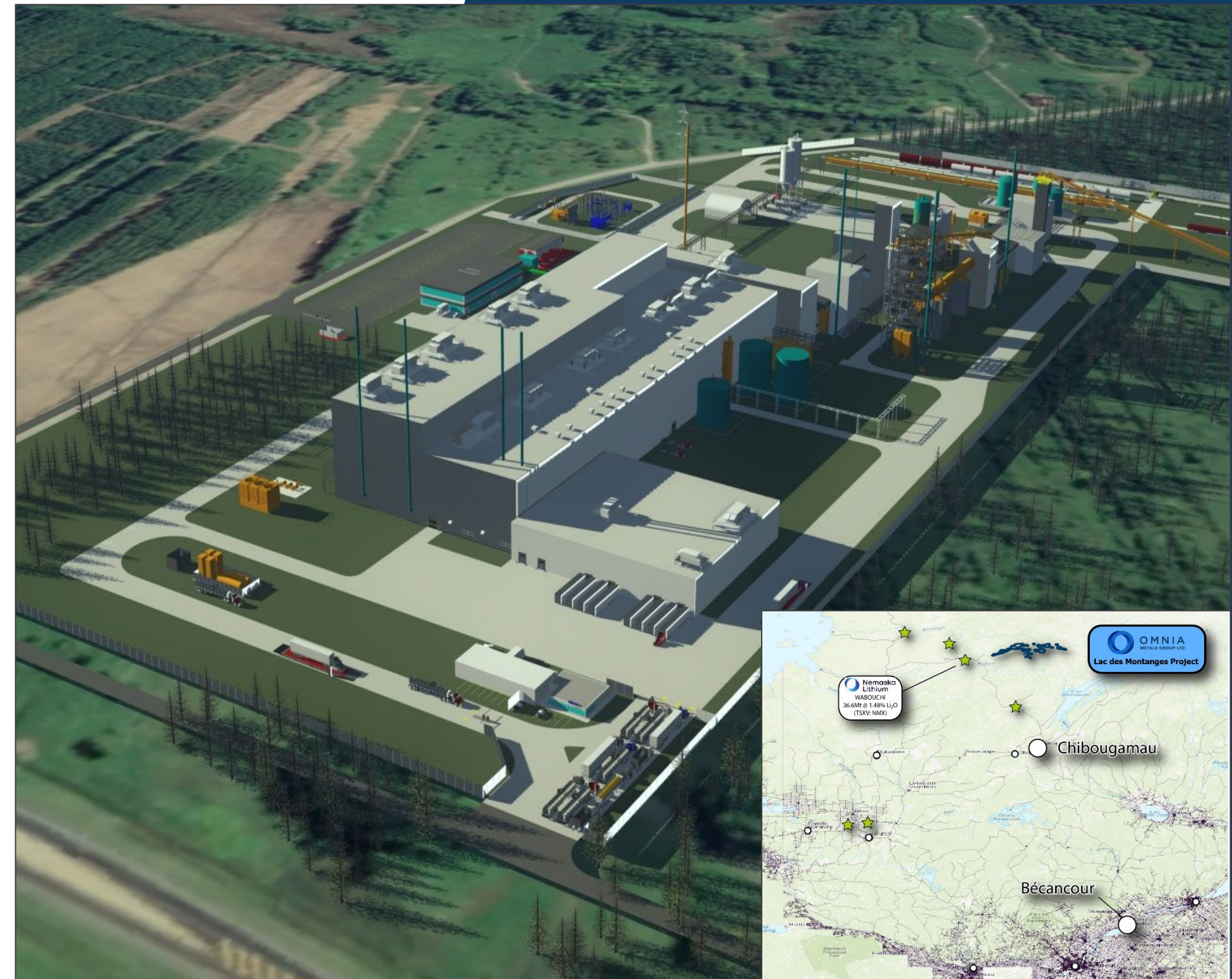
- Strong federal government support:
 - Committed to becoming the global supplier of choice for sustainably and responsibly sourced critical minerals.
 - Canada's Critical Minerals Strategy is backed by nearly \$4 billion in Budget 2022 for critical minerals and the clean digital technologies they enable.
- Nemaska Lithium intends to develop the Whabouchi mine, one of the richest spodumene deposits in the world in terms of volume and grade, **located 38 km from Omnia site.**
- The spodumene concentrate that will be produced at the mine will then be processed at the **Bécancour Conversion Facility.**





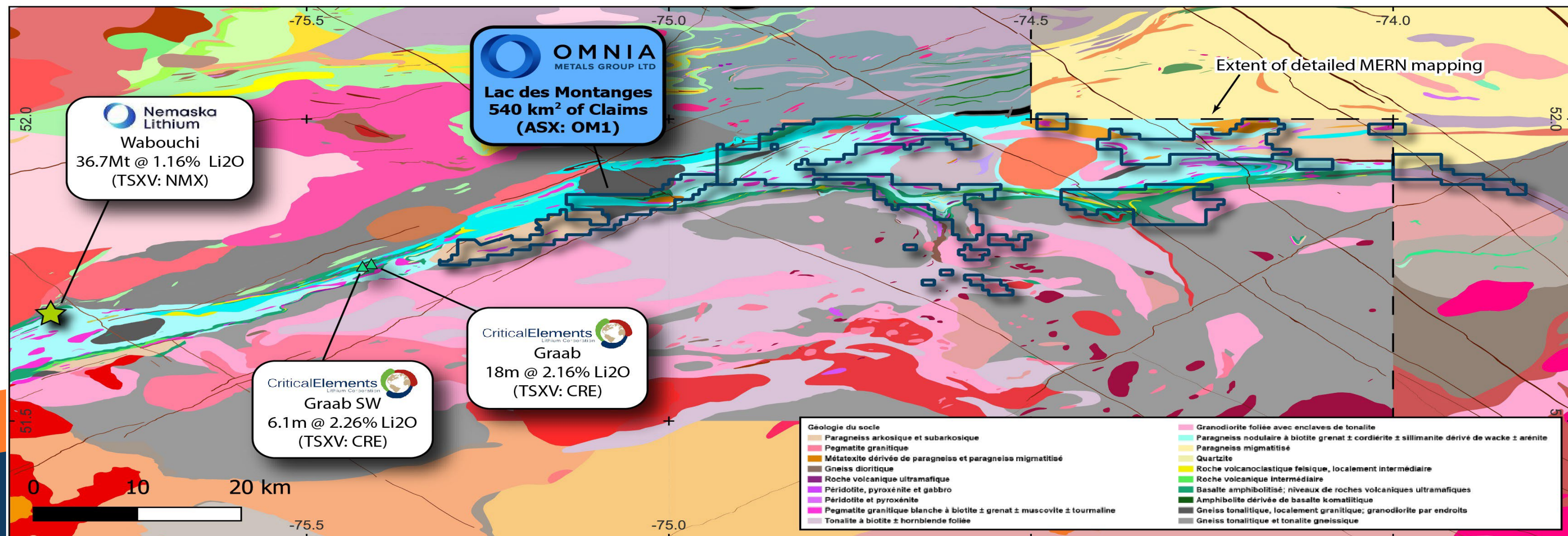
Strategic Location

- Fuelled by hydroelectric power, the **Nemaska Lithium Conversion Facility** in Bécancour, will convert the spodumene concentrate produced at the Whabouchi mine to lithium hydroxide.
- \$1.3 billion CAPEX investment in:
 - Wabouchi mine and hydromet plant which aims to produce 33,000tpa of lithium-carbonate-equivalent (LCE).
 - Trucking infrastructure to transport lithium concentrate to Chibougamau.
 - Rail infrastructure to transport lithium concentrate from Chibougamau to Bécancour Conversion Facility.
 - Construction of the Bécancour Conversion Facility and associated infrastructure.
- Other important players in the battery industry have also chosen to move to Bécancour in what is being termed la vallée de la batterie (**Battery Valley**).
- Concentrate produced at the Whabouchi mine will be converted to **battery grade lithium hydroxide**, the first such conversion facility in Canada.



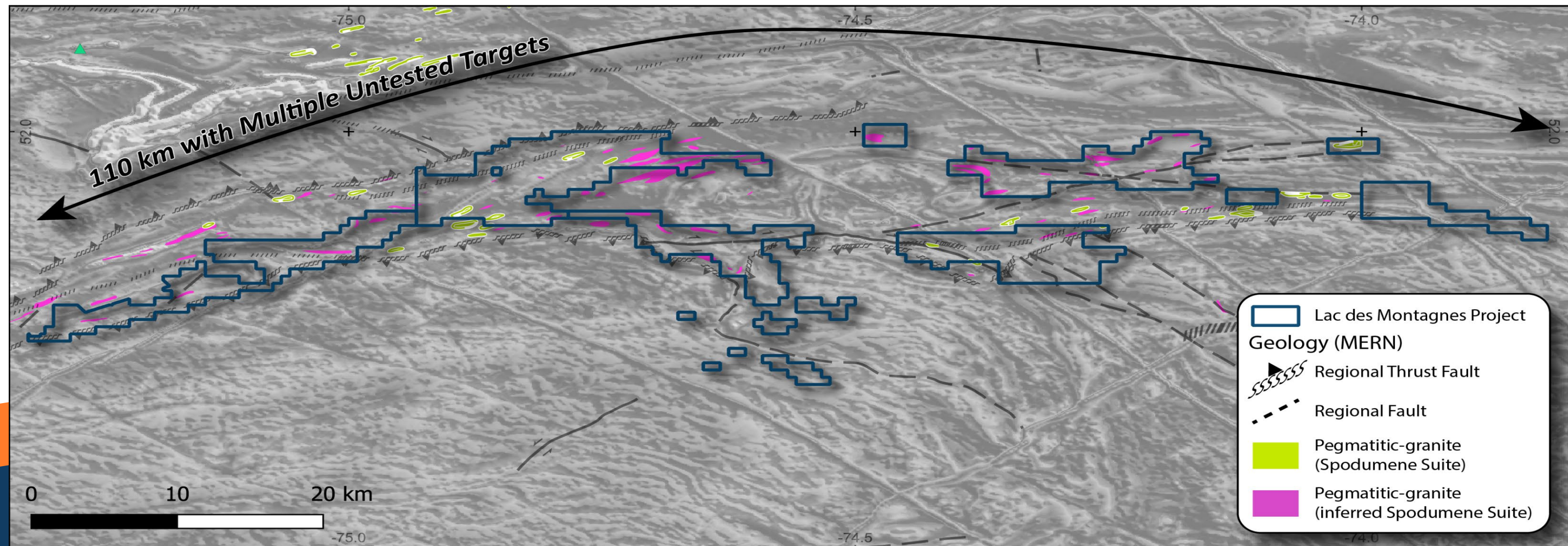
A Belt-Scale Mineral Systems Play

- The Lac des Montagnes Project is a belt-scale play with the potential to host multiple mineral systems.
- The world-class Whabouchi lithium deposit is located 38 km along strike from the Project and is characterized by a pegmatite granite intrusion assigned to the “Spodumene Suite”.
- The **Graab Prospects**, has significant Spodumene intersects are also hosted in “Spodumene Suite” pegmatite granite and are located 10 km along strike from the Project. Confirming the mineralised “Spodumene Suite” pegmatites continue to trend into Omnia's 110km strike package.
- These pegmatites have been identified and termed the “Spodumene Suite” by the Government of Quebec’s, Ministère des Ressources Naturelles et des Forêts (“MERN”) and are highly prospective for lithium, based on striking geological similarities with the world class Whabouchi deposit and other lithium deposits globally.
- **9 (nine) highly prospective “Spodumene Suite” pegmatites have been mapped by MERN within the Project area.**



The Right Geological Setting - Not Just Nearology

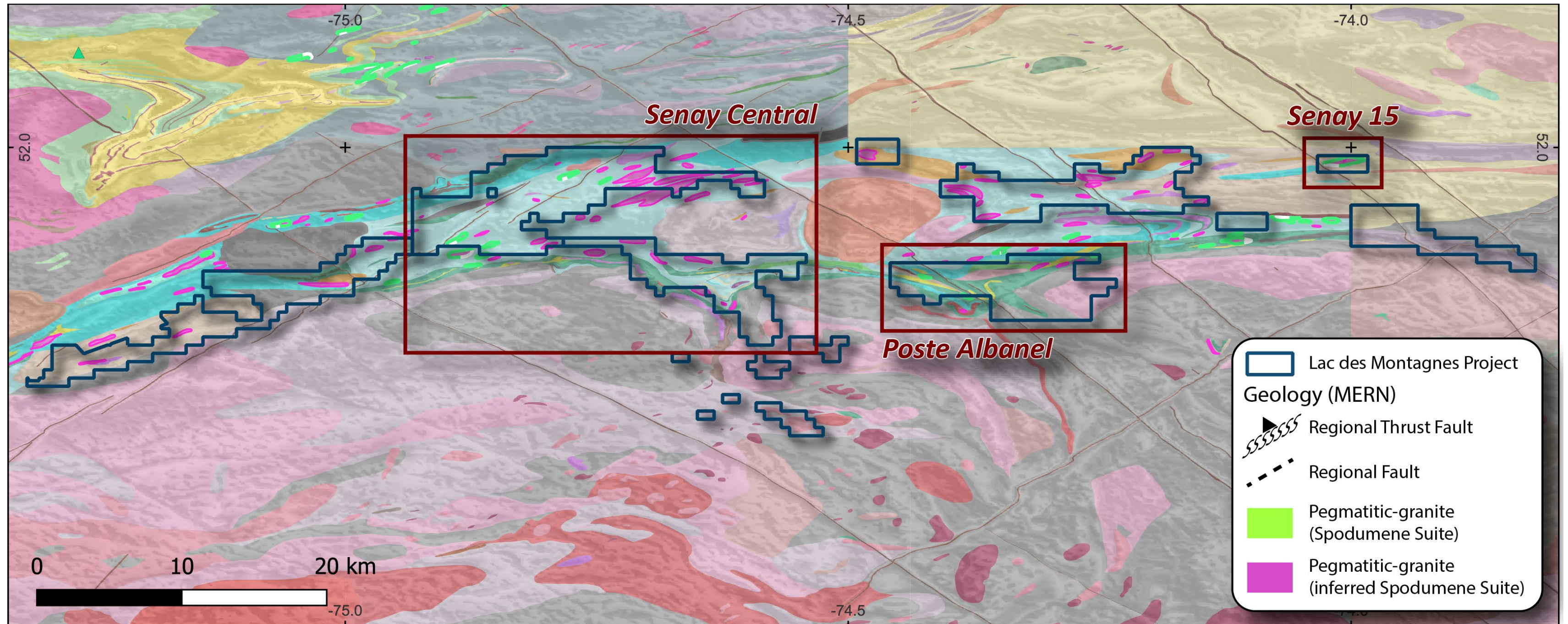
- The Lac des Montagnes Project has the right geological characteristics to host multiple world class scale lithium deposits.
- **58 (fifty-eight)** pegmatite granites have been historically mapped within the Project area, with satellite imagery and data review confirming at least **33 (thirty-three)** pegmatites **outcrop at surface**.
- Of the 9 (nine) highly prospective “**Spodumene Suite**” pegmatites mapped by MERN within the Project, **7 (seven)** are **observed to have extensive surface expression from satellite imagery highlighting the world class scale of the opportunity**.
- These previously unrecognised pegmatite granites, recently mapped and studied by MERN geologists, have geological features relevant to exploration including; **their age, mineralogy, amphibolite facies metamorphic setting, syn-metamorphic timing & 3D geometry** ➡ *these features are analogous to other world-class pegmatites globally.*





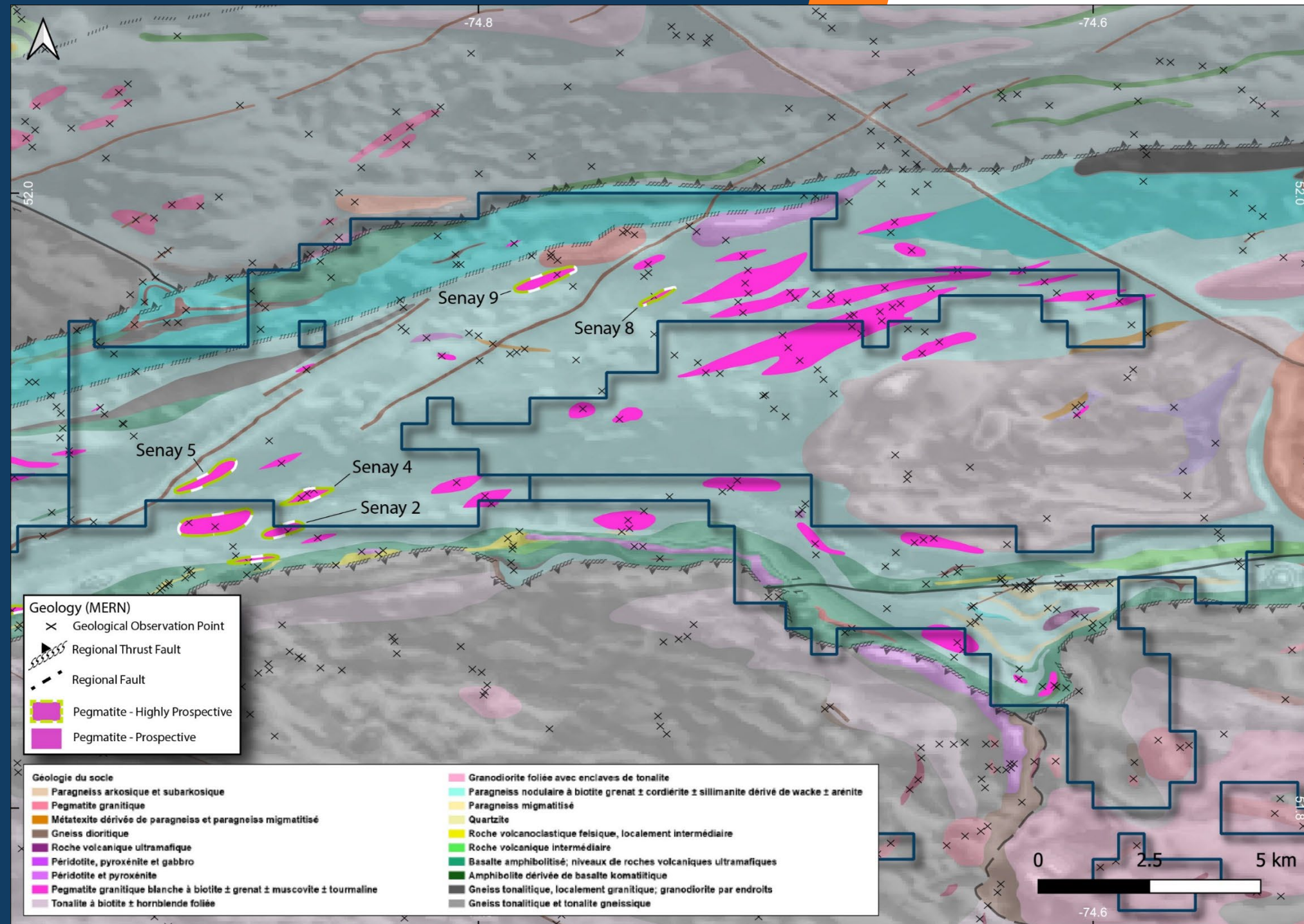
Three Initial Target Areas

Senay Central / Poste Albanel / Senay 15



Senay Central

Five High-Priority Targets Another 20+ Prospective Pegmatites



NUMR ZFA	ID ZFA	CODE SYMBOL	CODE SUBST	GEOLOGIST	DIMENSIONS
1567	Senay 2	ZFLi	Li	Bandyayera et Caron-Côté (2021)	1 km x 0.35 km
1569	Senay 4	ZFLi	Li	Bandyayera et Caron-Côté (2021)	1.3 km x 0.42 km
1570	Senay 5	ZFLi	Li	Bandyayera et Caron-Côté (2021)	1.8 km x 0.44 km
1572	Senay 8	ZFLi	Li	Bandyayera et Caron-Côté (2021)	1.0 km X 0.19 km
1573	Senay 9	ZFLi	Li	Bandyayera et Caron-Côté (2021)	1.5 km x 0.41 km

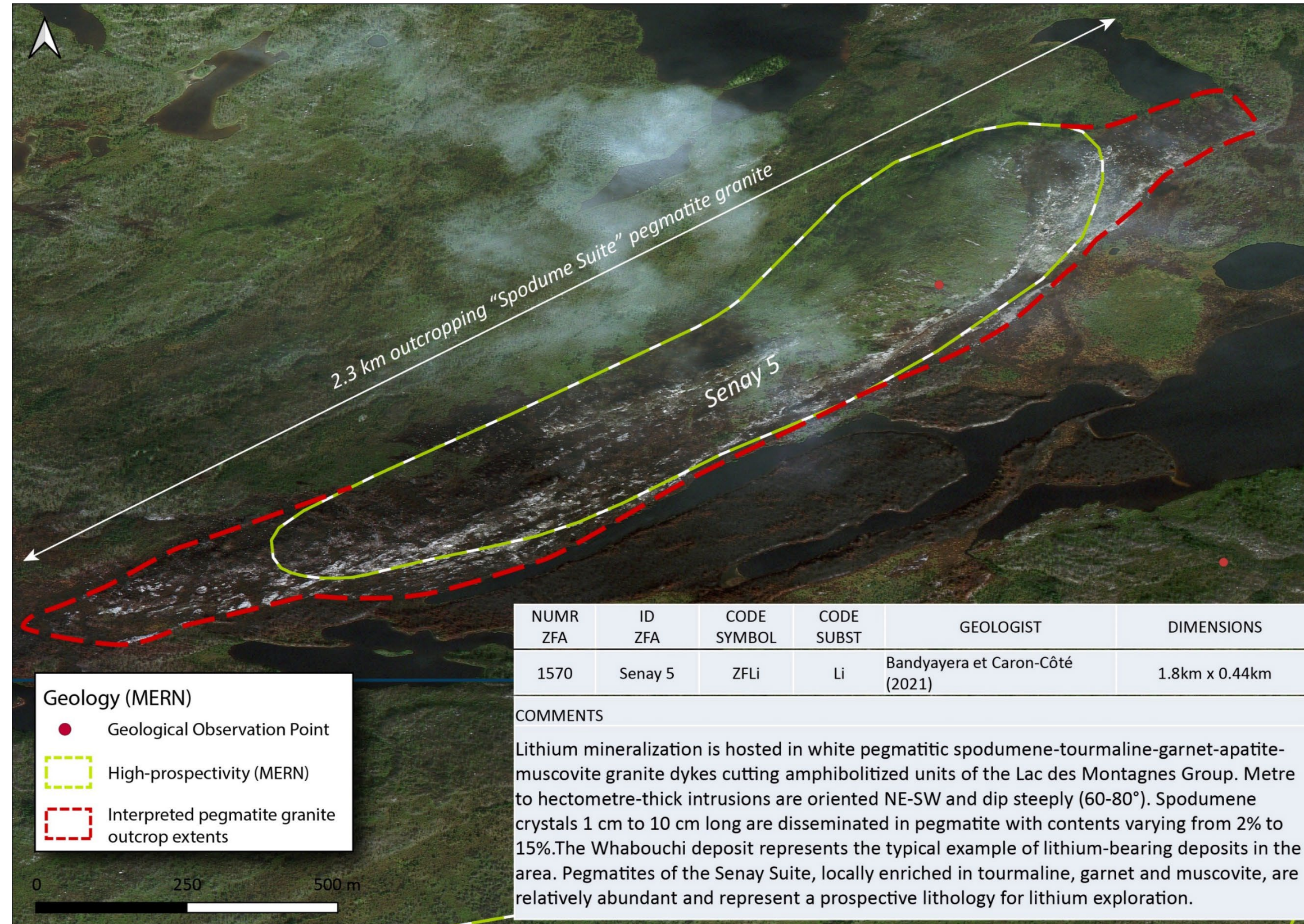
COMMENTS

Lithium mineralization is hosted in white pegmatitic spodumene-tourmaline-garnet-apatite-muscovite granite dykes cutting amphibolitized units of the Lac des Montagnes Group. Metre to hectometre-thick intrusions are oriented NE-SW and dip steeply (60-80°). Where observed, spodumene crystals 1 cm to 10 cm long are disseminated in pegmatite with contents varying from 2% to 15%. The Whabouchi deposit represents the typical example of lithium-bearing deposits in the area. Although no showing lithium content has been recorded in the Le Vilin Lake area, pegmatites of the Senay Suite, locally enriched in tourmaline, garnet and muscovite, are relatively abundant and represent a prospective lithology for lithium exploration.

- **Abundance of mapped “Spodumene Suite” pegmatite-granites.**
- **Five (5)** have been identified by MERN as **high-priority targets** based on field observations.
- Multiple, analogous pegmatite-granites which require follow-up mapping and sampling.

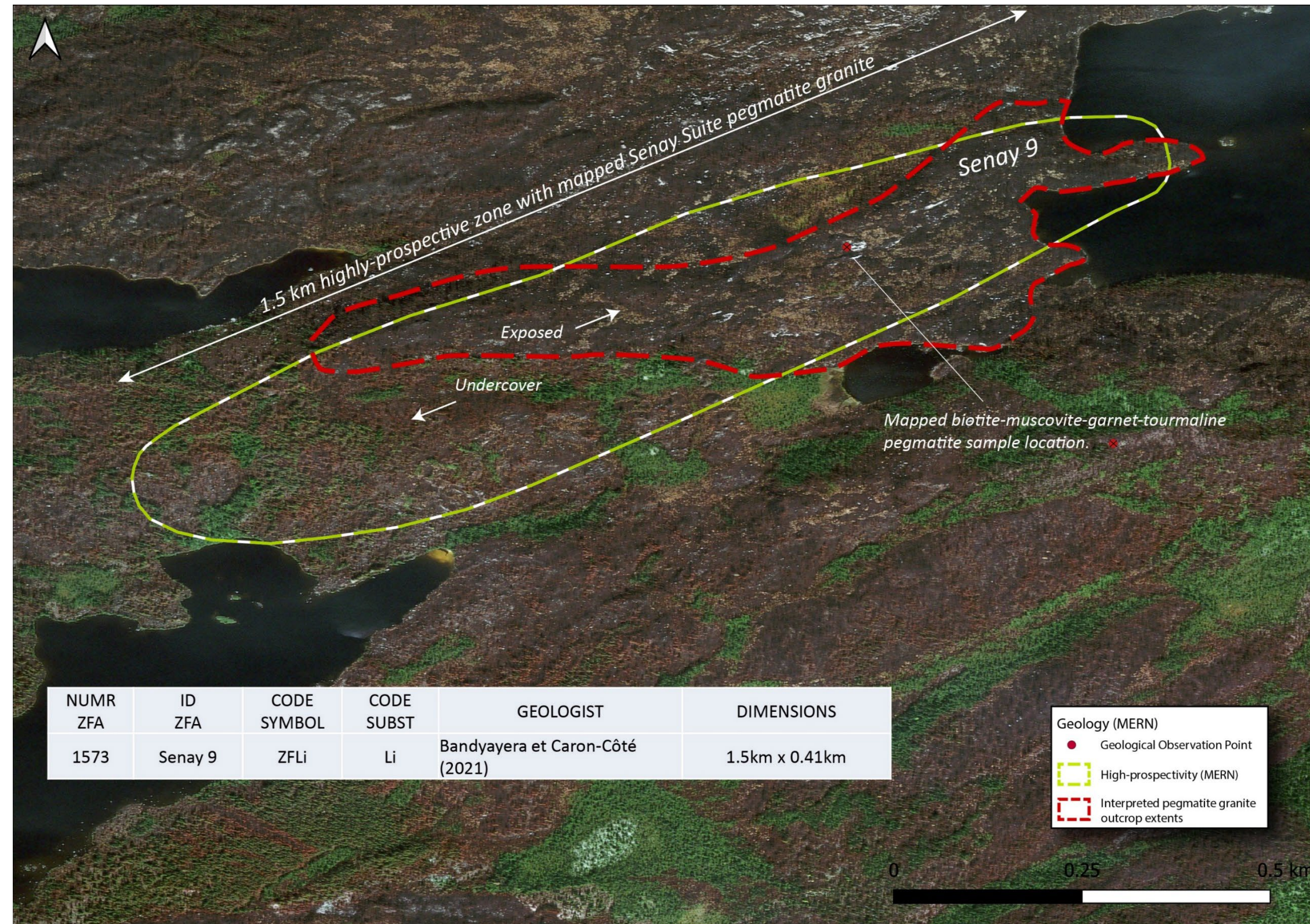


Senay 5 – 2.3km x 440m outcropping pegmatite

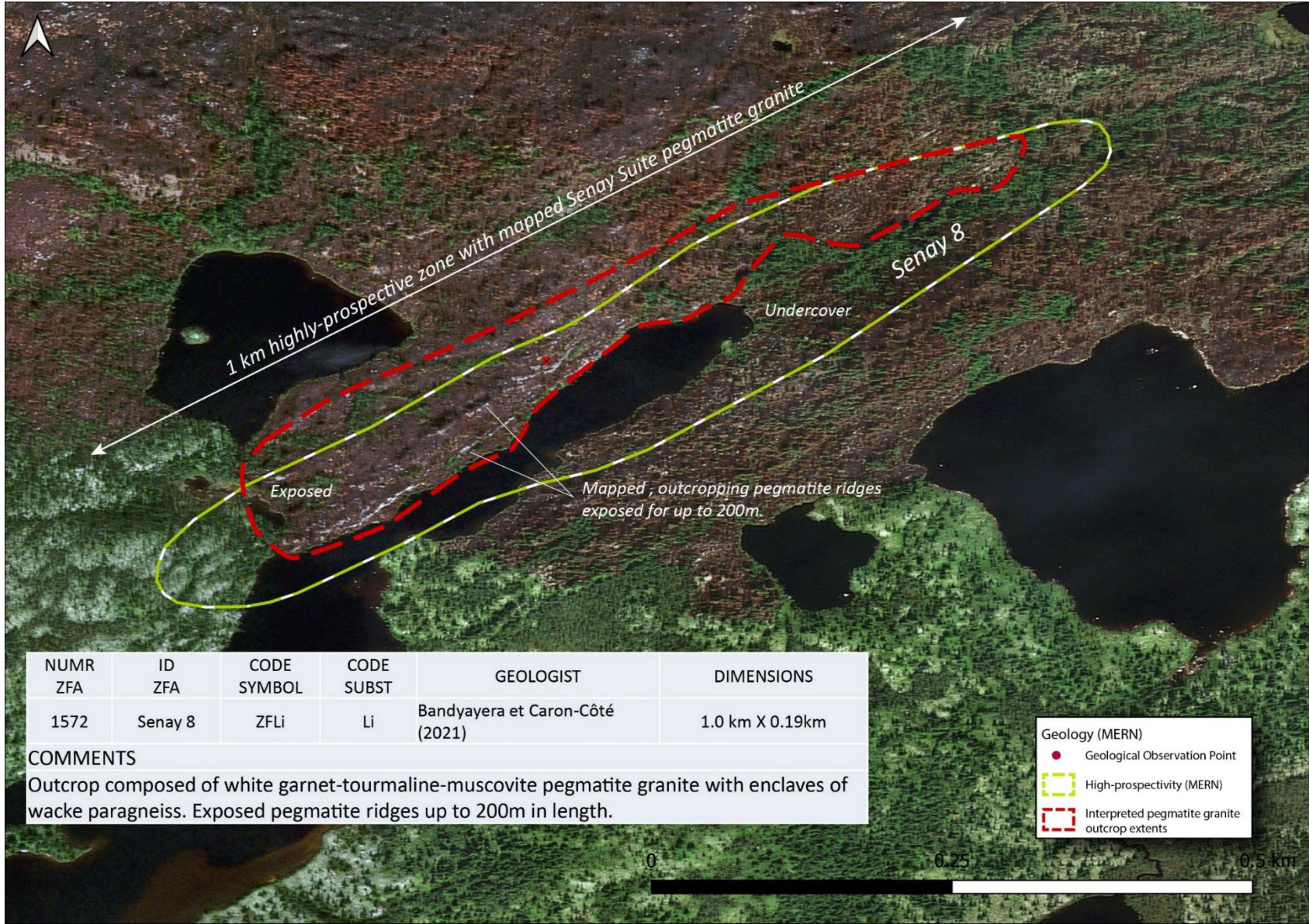




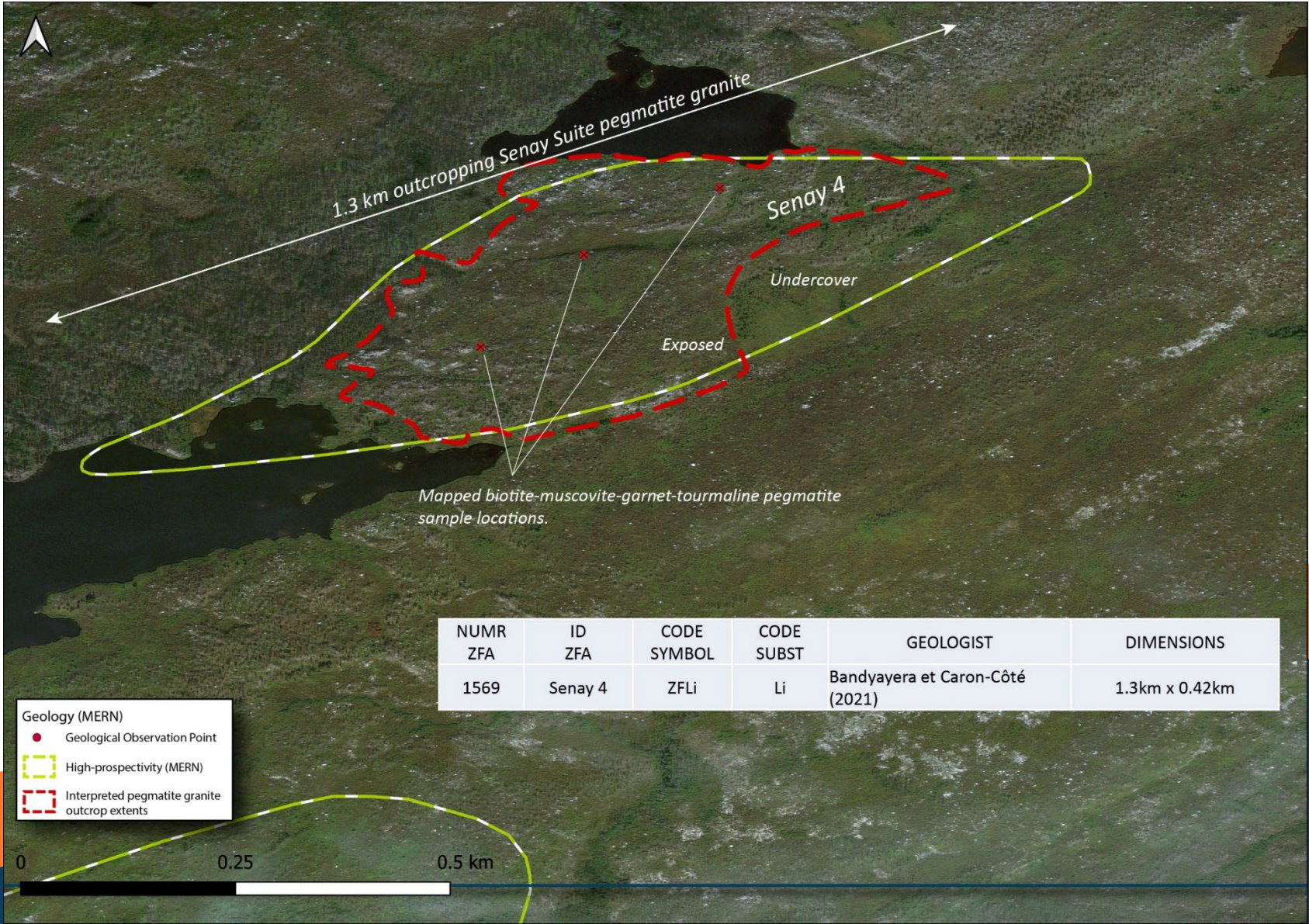
Senay 9 – 1.5km x 410m outcropping pegmatite



SENAY 8 – 1km x 190m outcropping pegmatite

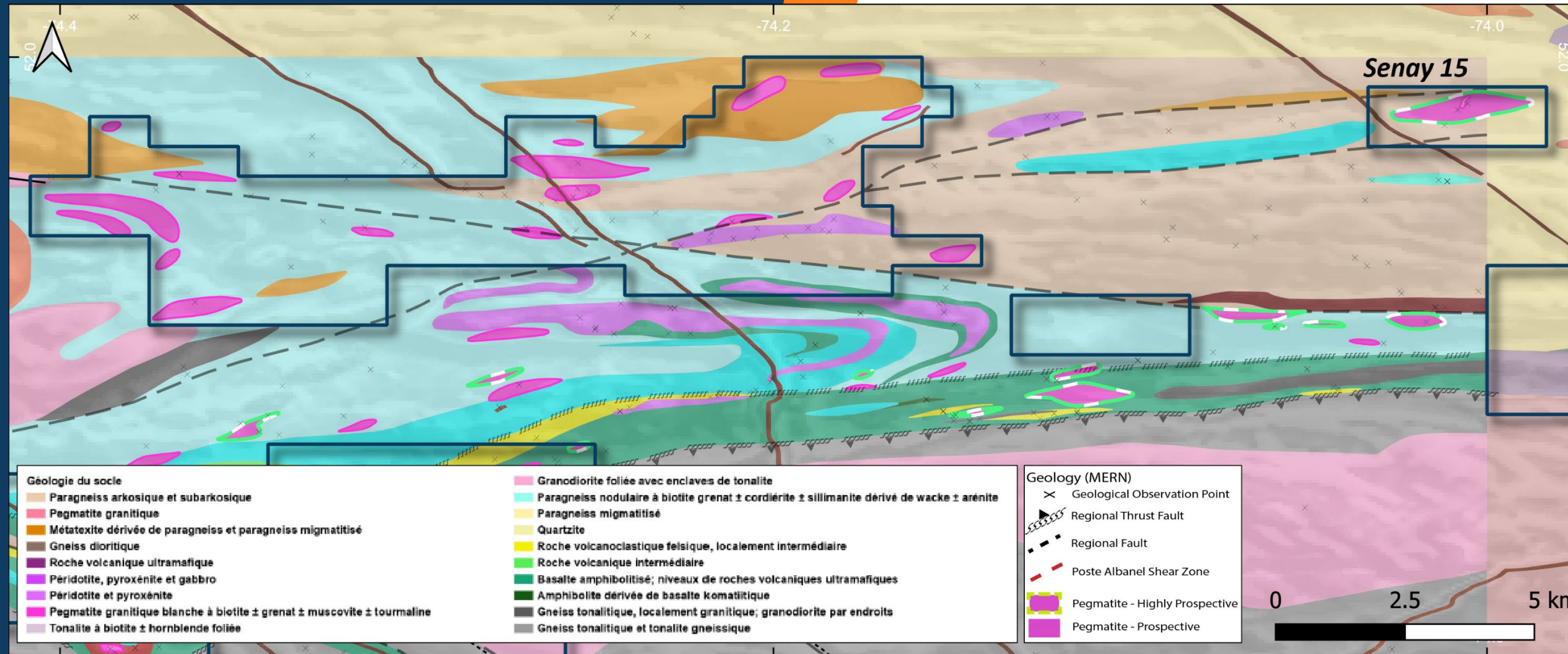


SENAY 4 – 1.3km x 420m outcropping pegmatite



Senay East (Senay 15)

Largest Identified Pegmatite Body

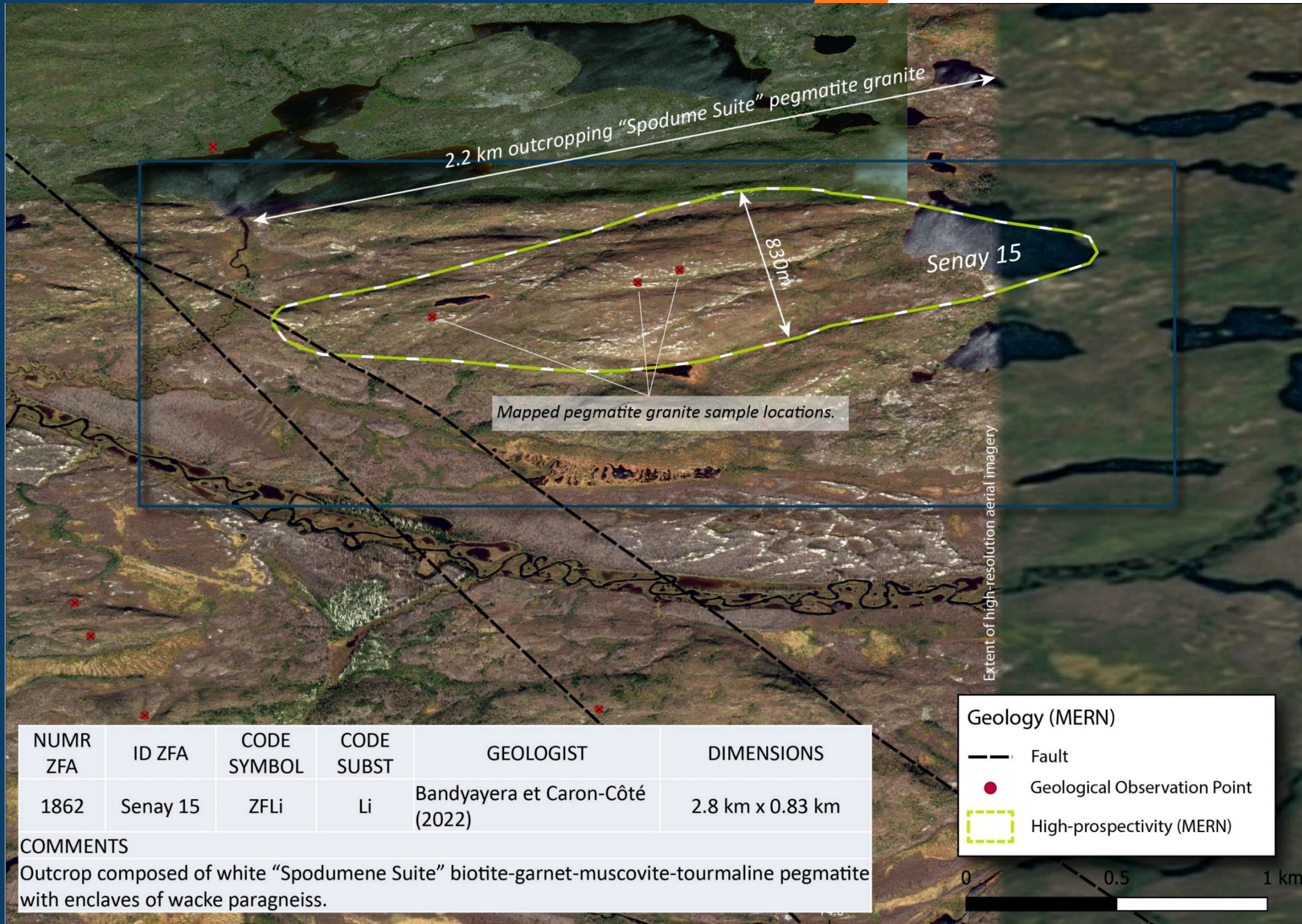


- Massive, 2.8km x 830m wide highly-prospective zone mapped by MERN at the Projects eastern extents (Senay 15).
- Situated along a major structural corridor.
- A further 17 pegmatites have identified in the area and are located in an analogous structural setting to Senay 15.
- Limited historical exploration has been conducted over the eastern portion of the tenure, however geological analogies indicate significant exploration potential and upside.

NUMR ZFA	ID ZFA	CODE SYMBOL	CODE_SUB ST	GEOLOGIST	DIMENSIONS	COMMENTS
1862	Senay 15	ZFLi	Li	Bandyayera et Caron-Côté (2022)	2.8 km x 0.83 km	Outcrop composed of white pegmatite with enclaves of wacke paragneiss. Paragneiss horizons make up nearly half of the outcrop. The whole is cut by a very magnetic diabase dyke oriented 020°.

Senay 15

2.8km x 830m High-Priority Target Zone



NUMR ZFA	ID ZFA	CODE SYMBOL	CODE SUBST	GEOLOGIST	DIMENSIONS
1862	Senay 15	ZFLi	Li	Bandyayera et Caron-Côté (2022)	2.8 km x 0.83 km

COMMENTS

Outcrop composed of white "Spodumene Suite" biotite-garnet-muscovite-tourmaline pegmatite with enclaves of wacke paragneiss.

- **2.8km long "Spodumene Suite" target outcropping over 2.2km length x 830m width.**
- Limited outcrop mapping indicates a fractionated mineral assemblage.
- Further sampling required to identify more evolved zones with potential to host spodumene.

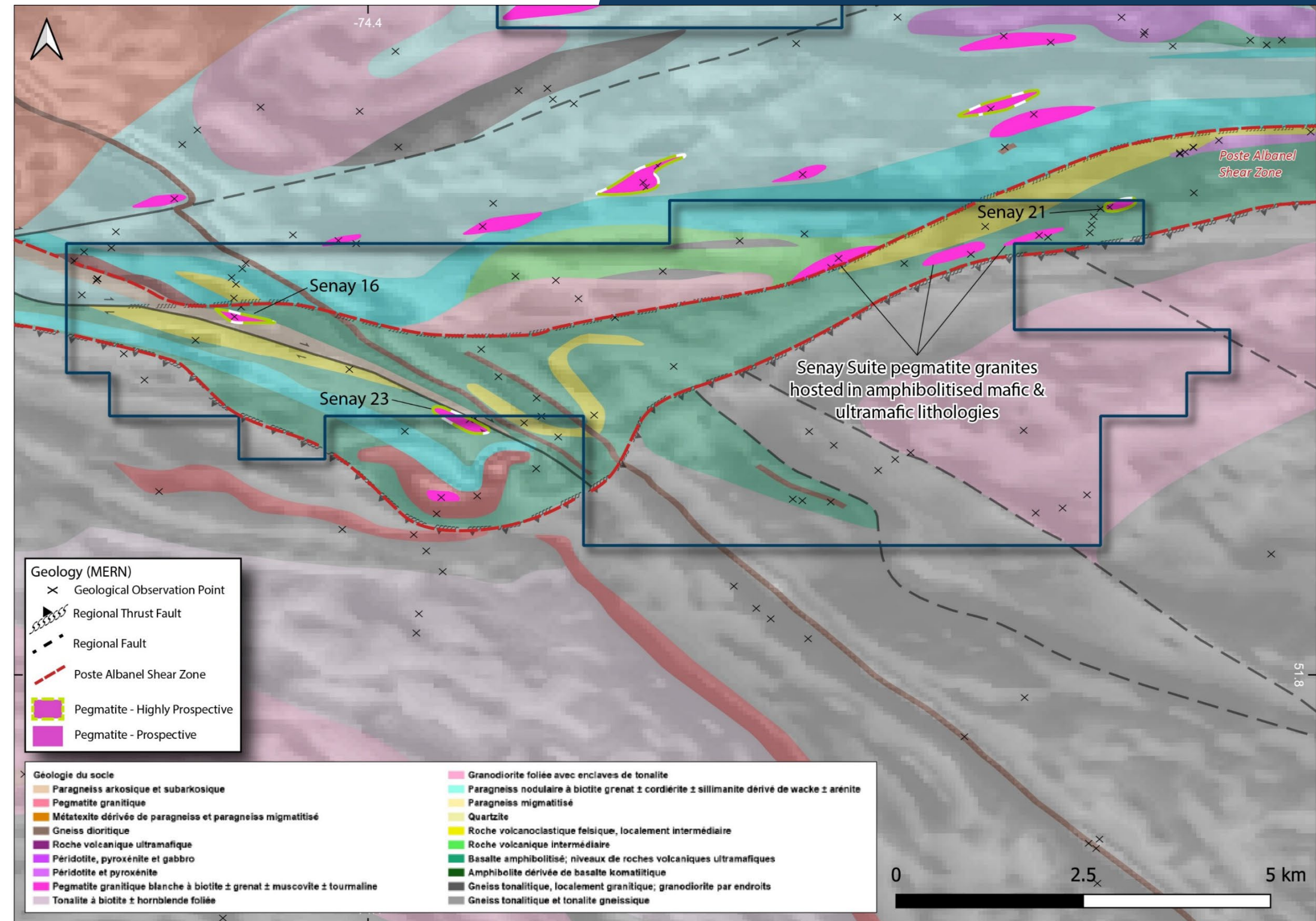
Poste Albanel



Favourable Structural Setting

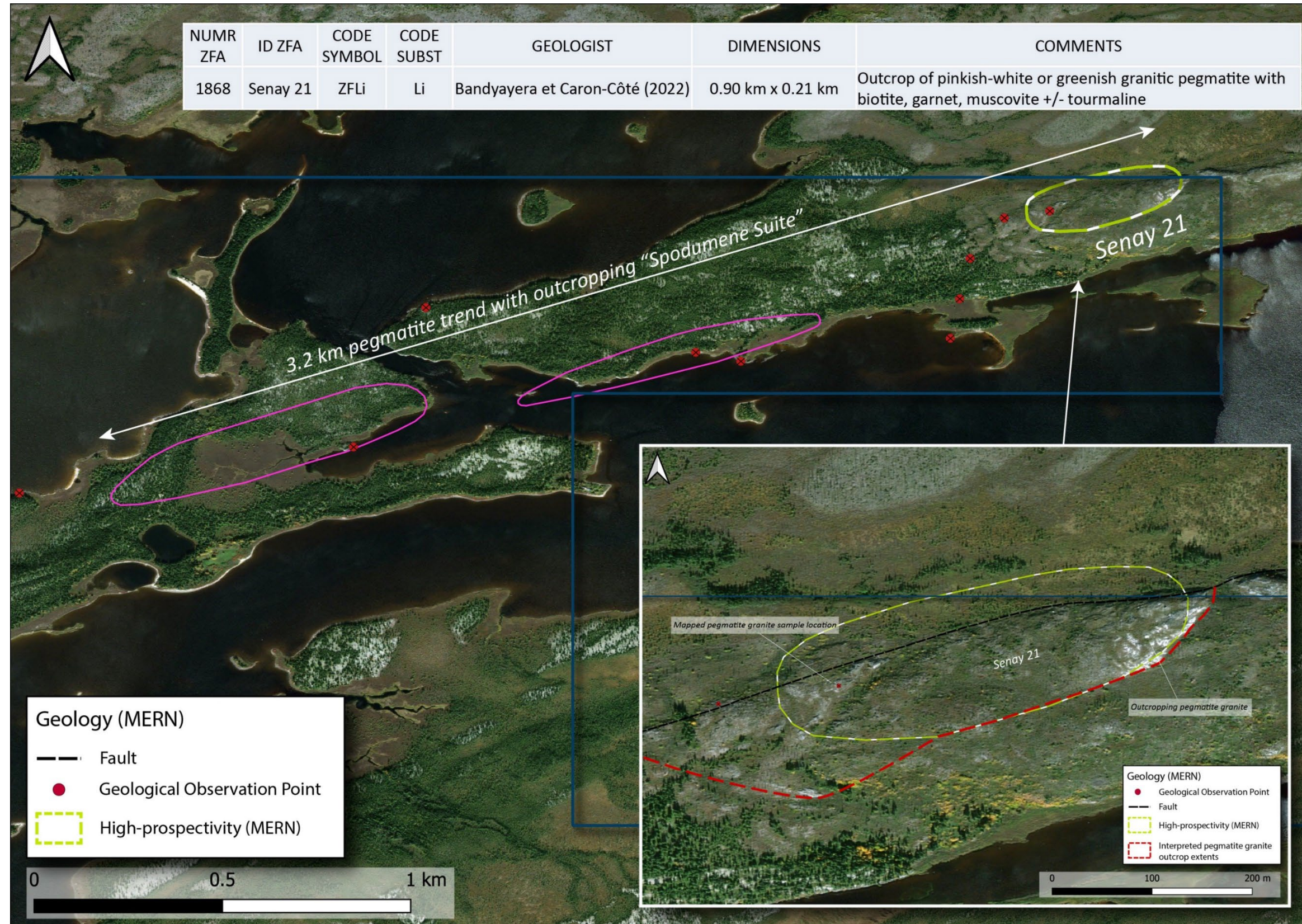
NUMR ZFA	ID ZFA	CODE SYMBOL	CODE SUBST	GEOLOGIST	DIMENSIONS
1863	Senay 16	ZFLi	Li	Bandyayera et Caron-Côté (2022)	0.85 km x 0.22 km
1868	Senay 21	ZFLi	Li	Bandyayera et Caron-Côté (2022)	0.90 km x 0.21 km
1870	Senay 23	ZFLi	Li	Bandyayera et Caron-Côté (2022)	0.44 km x 0.21 km

- The Poste Albanel Shear Zone is a key regional structure controlling the emplacement of pegmatite granites into greenstone rock types.
- **Ideal structural setting** for the localisation of rare-element (LCT) pegmatites.
- The Poste Albanel claims cover **15 km strike** extent of this key structural zone.
- **Three (3) high-priority** targets identified by MERN, with another three analogous granite pegmatites requiring additional test work.





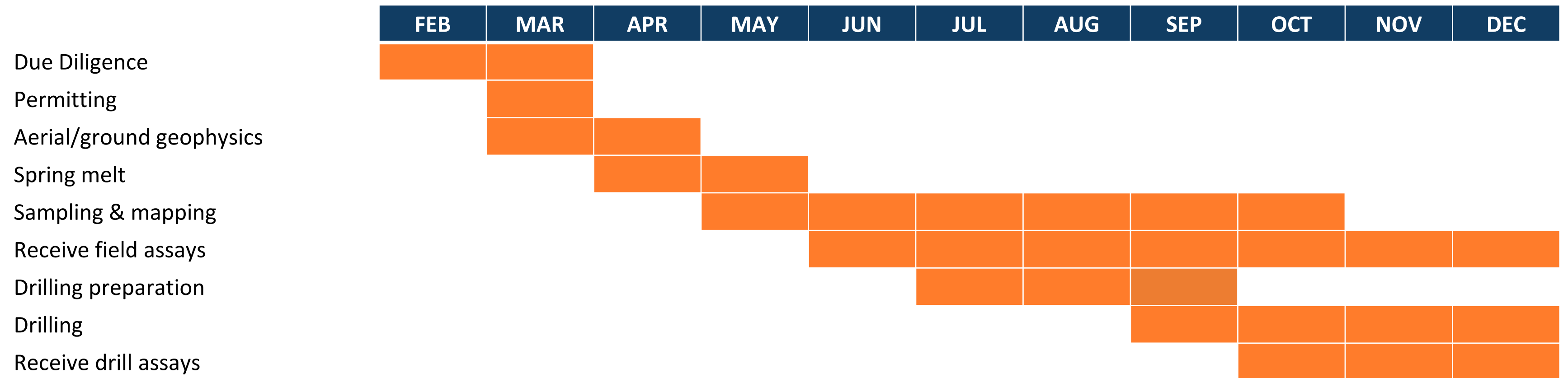
Senay 21 – Part of a 3.2km long pegmatite trend



Project Timeline

The Company is poised to execute an aggressive, game-changing, exploration strategy.

- ✓ Systematically map and sample high-priority targets as identified from the due diligence.
- ✓ Follow-up drilling of any potential mineralisation identified during initial mapping and sampling (with or without available assay data).
- ✓ Ongoing, systematic mapping and sampling of the multiple, untested pegmatites that have been identified throughout the tenement package.
- ✓ Systematically drill test targets as assays from rock chip sampling become available.





THANK YOU

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