



Lithium Portfolio

Twelve strategically located properties in active NW Ontario Lithium Districts

May 2023

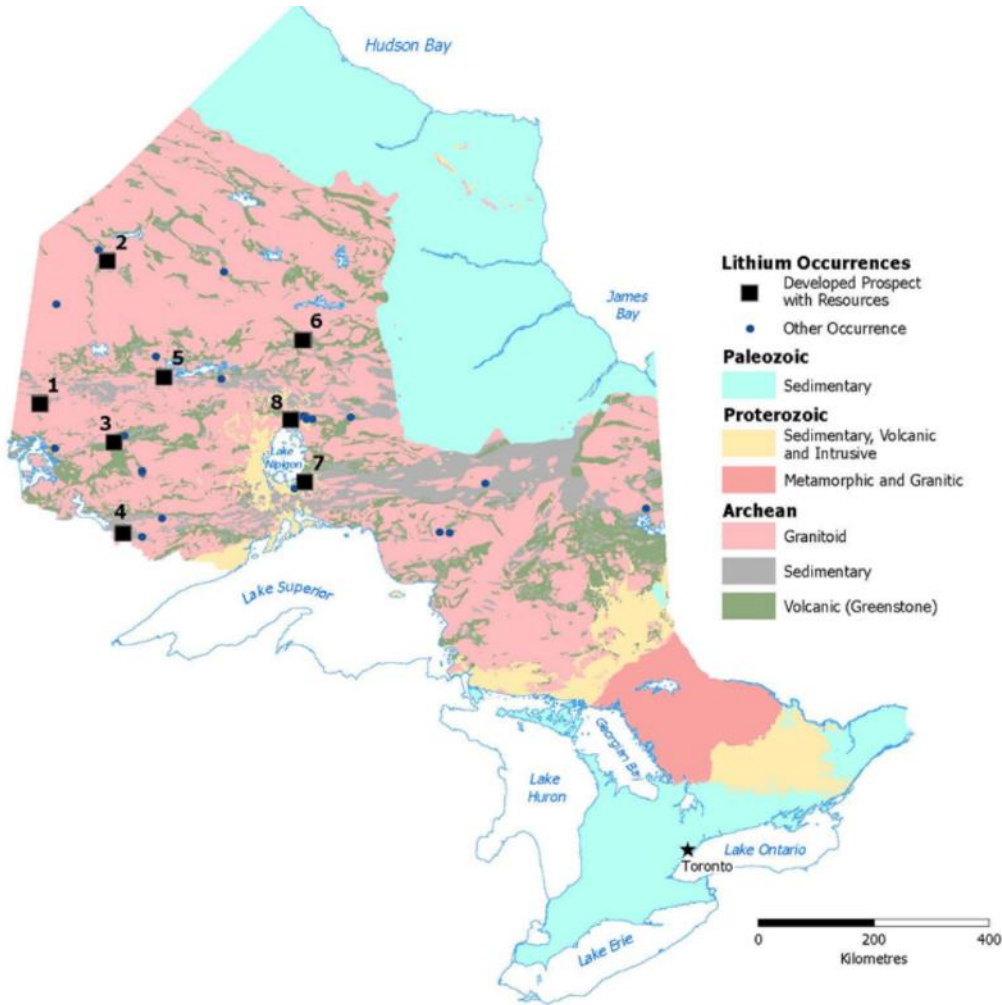
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Lithium Portfolio Highlights

- Portfolio of 12 properties all are in active high-profile Lithium districts of NW Ontario
- Commanding position: 300km² of claims in areas that are solidly staked. No more claims available in the most prospective areas
- \$7.2MM in total buydowns plus 11 net royalties after buydown
- \$373K in remaining option payments from optionees, not including shares
- Six landholdings totaling >180km² in the Allison Lake Batholith: prime location, known Li pegmatites
- Royalty (with buydown) on Vegan historical resource* of 750,000 tons @ 1.38% Li₂O at Georgia Lake
- Two pegmatite-bearing properties directly adjacent to Frontier Lithium's PAK and Spark Lithium Deposits in the Pakeagama district
- Known rare-metal pegmatites in additional established and emerging districts: Georgia Lake, McCombe, and English River District plays

* The estimates presented above are treated as historic information and have not been verified or relied upon for economic evaluation by the Company. These historical mineral resources do not refer to any category of sections 1.2 and 1.3 of the NI-43-101 Instrument such as mineral resources or mineral reserves as stated in the 2010 CIM Definition Standards on Mineral Resources and Mineral Reserves. The explanation lies in the inability by the Company to verify the data acquired by the various historical drilling campaigns. The Company has not done sufficient work yet to classify the historical estimates as current mineral resources or mineral reserves.

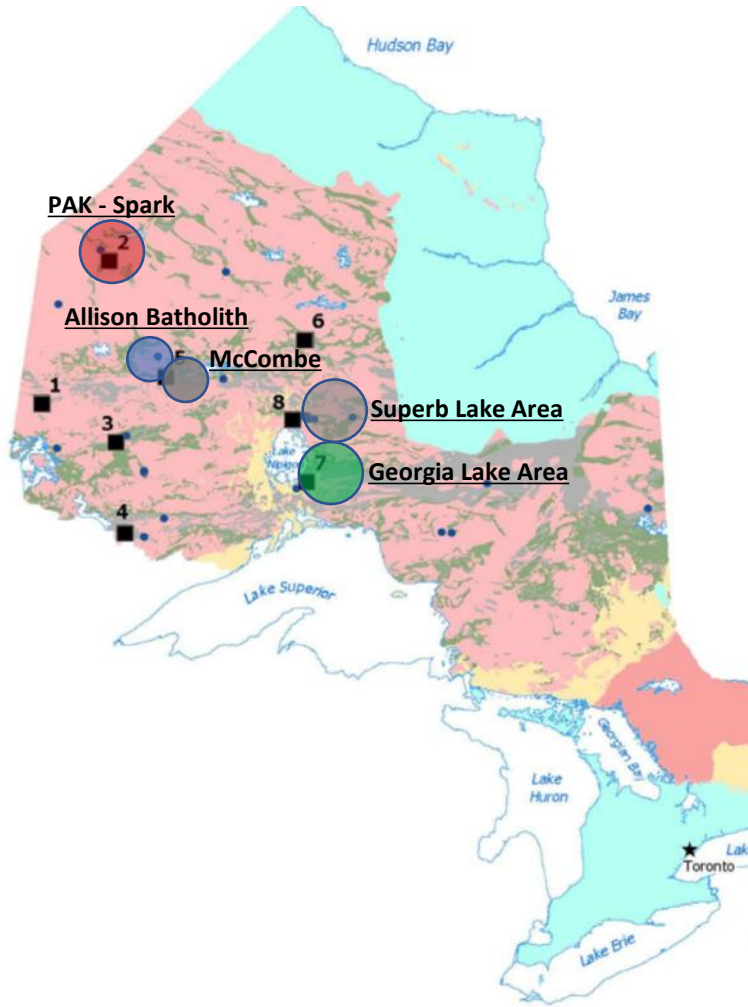
All Rare Metal Deposits are located only in Northwestern Ontario



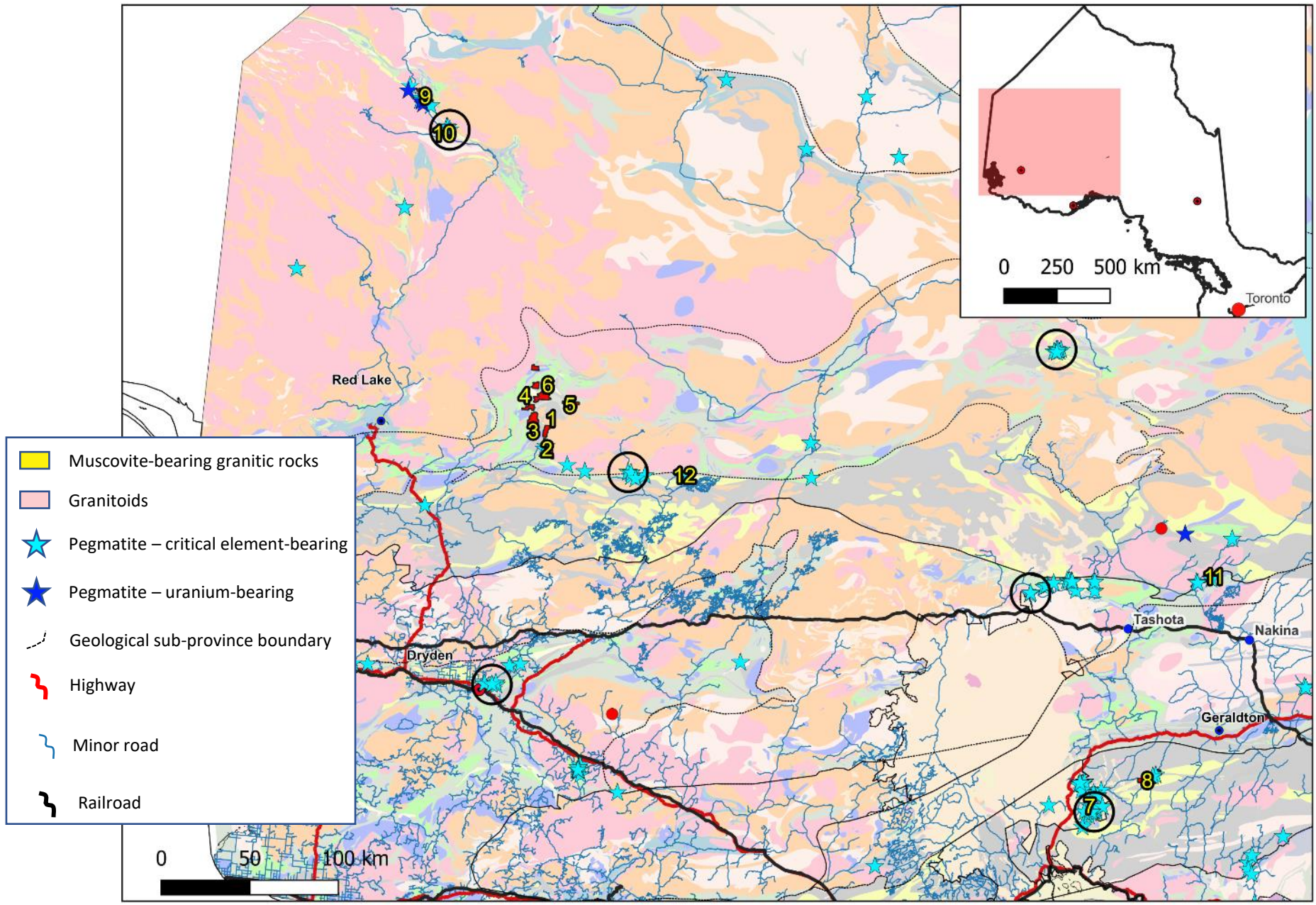
Map number	Name
1	Big Whopper (Separation Rapids)
1	Big Mack
2	Pakeagama Lake
2	Spark Pegmatite
3	Mavis Lake
4	Wisa Lake
5	McCombe
6	Pollucite Dyke
6	Rubellite Dyke
7	Nama Creek (Georgia Lake area)
7	McVittie (Georgia Lake area)
7	Jean Lake (Georgia Lake area)
7	Aumacho (Georgia Lake area)
7	Vegan (Georgia Lake area)
7	Jackpot (Georgia Lake area)
8	North Aubry (Seymour Lake)
8	South Aubry (Seymour Lake)

}	9.9Mt @ 1.04% Li ₂ O	Avalon Advanced Materials
}	9.3Mt @ 2.02 % Li ₂ O	Frontier Lithium
	18.8Mt @ 1.52% Li ₂ O – Ind	Frontier Lithium
	29.7Mt @ 1.34% Li ₂ O – Inf	Frontier Lithium
	International Lithium
	Green Technology Metals
	Green Technology Metals
}		Avalon Advanced Materials
}	10.6 Mt @ 0.88 % Li ₂ O	Rock Tech Lithium
}	Imagine Lithium	(Solstice 1% NSR with buydown)
}	9.9 Mt @ 1.04 % Li ₂ O	Green Technology Metals

Solstice Lithium Portfolio Properties



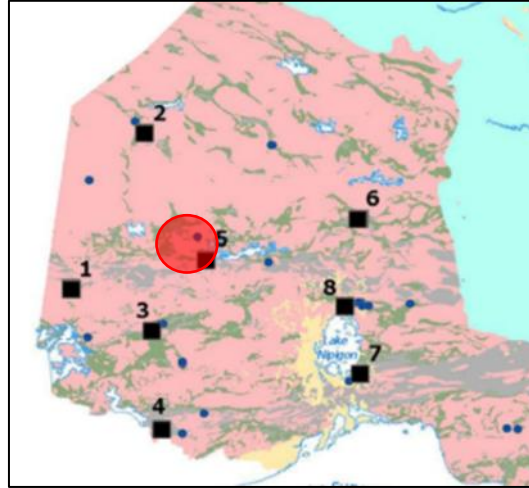
Number	Property Name	Optionee	Area (km ²)	Status	NSR	NSR Buydown (CAD)	Net NSR	Payments Remaining (CAD)
1	Allison North	Portofino	16.2	Optioned	1.50%	\$ 400,000	0.75%	\$ 50,000
2	Jubilee	Geomap	37.4	Optioned	1.50%	\$ 500,000	0.75%	\$ 50,000
3	Perrigo	Xplore	33.6	Optioned	1.75%	\$ 600,000	1.25%	\$ 58,000
4	Shabumeni	Gold Canyon	35.5	Royalty	1.50%	\$ 500,000	1.00%	\$ -
5	Seagrave	Greencastle	27.1	Optioned	1.50%	\$ 500,000	1.00%	\$ 35,000
6	Satterley	Trillium	30.5	Optioned	1.50%	\$ 500,000	0.75%	\$ 40,000
7	Jackpot	Imagine Lithium	0.8	Royalty	1.00%	\$ 500,000	0.00%	\$ -
8	Gathering Lake	Green Technology Metals	39.7	Optioned	1.50%	\$ 800,000	1.00%	\$ -
9	Pennock Lake	Green Technology Metals	13.9	Optioned	1.50%	\$ 800,000	1.00%	\$ 90,000
10	Pakeagama		14.9	Free for option				
11	Superb Lake	Green Technology Metals	19.3	Optioned	1.50%	\$ 800,000	1.00%	\$ -
12	Root Bay	Green Technology Metals	10.2	Optioned	1.50%	\$ 800,000	1.00%	\$ -
TOTALS			279.3			\$ 7,200,000		\$ 373,000



Number	Property Name
1	Allison North
2	Jubilee
3	Perrigo
4	Shabumeni
5	Seagrave
6	Satterley
7	Jackpot
8	Gathering Lake
9	Pennock Lake
10	Pakeagama
11	Superb Lake
12	Root Bay

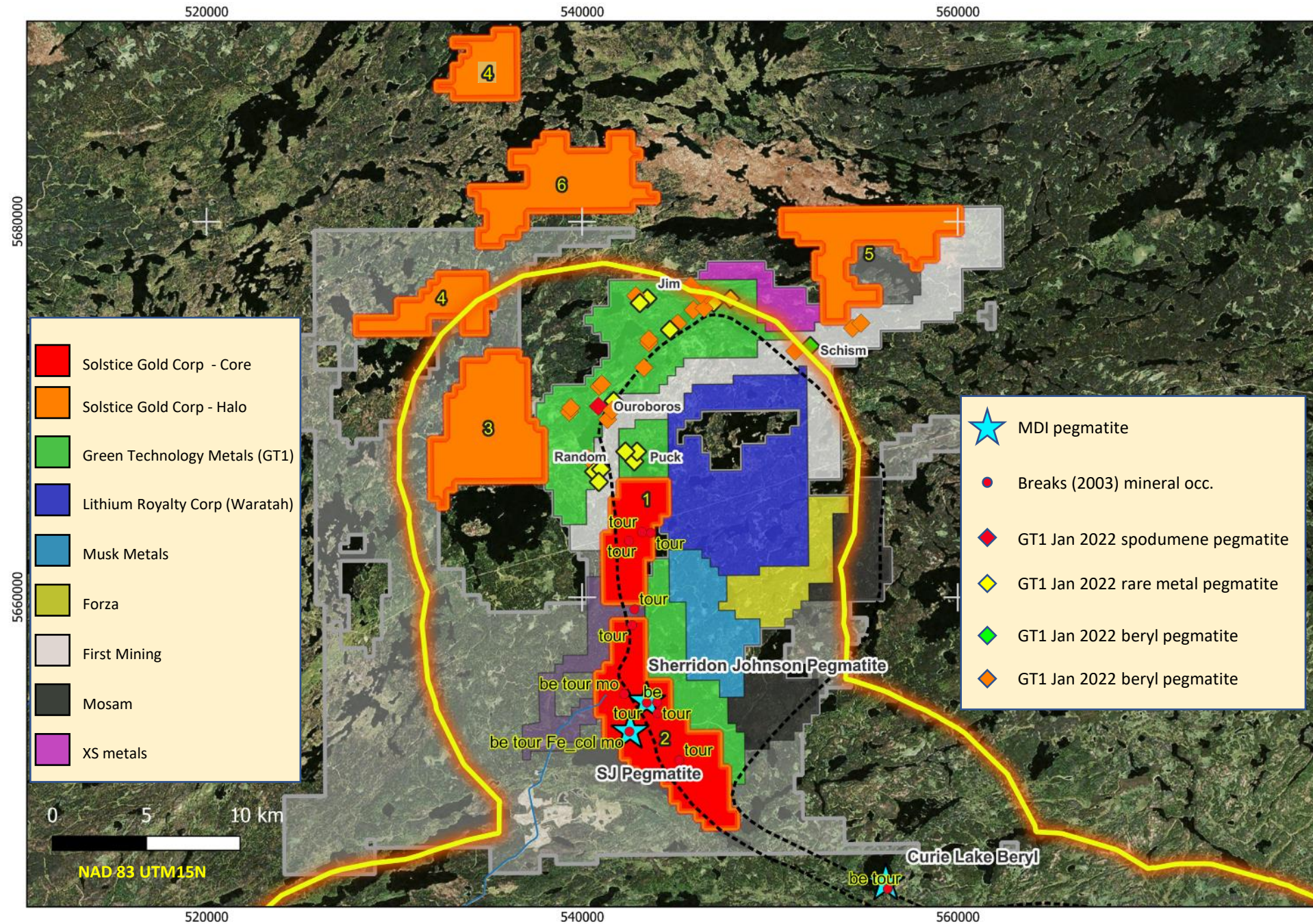
Base Map is the OGS 1:250,000 scale geology map of Ontario (MRD126). Please see that publication for legend of all rock types.

Pegmatite occurrences from the OGS OMI mineral occurrence database



Allison Batholith

Commanding land position in emerging district



Core Properties (1-2)

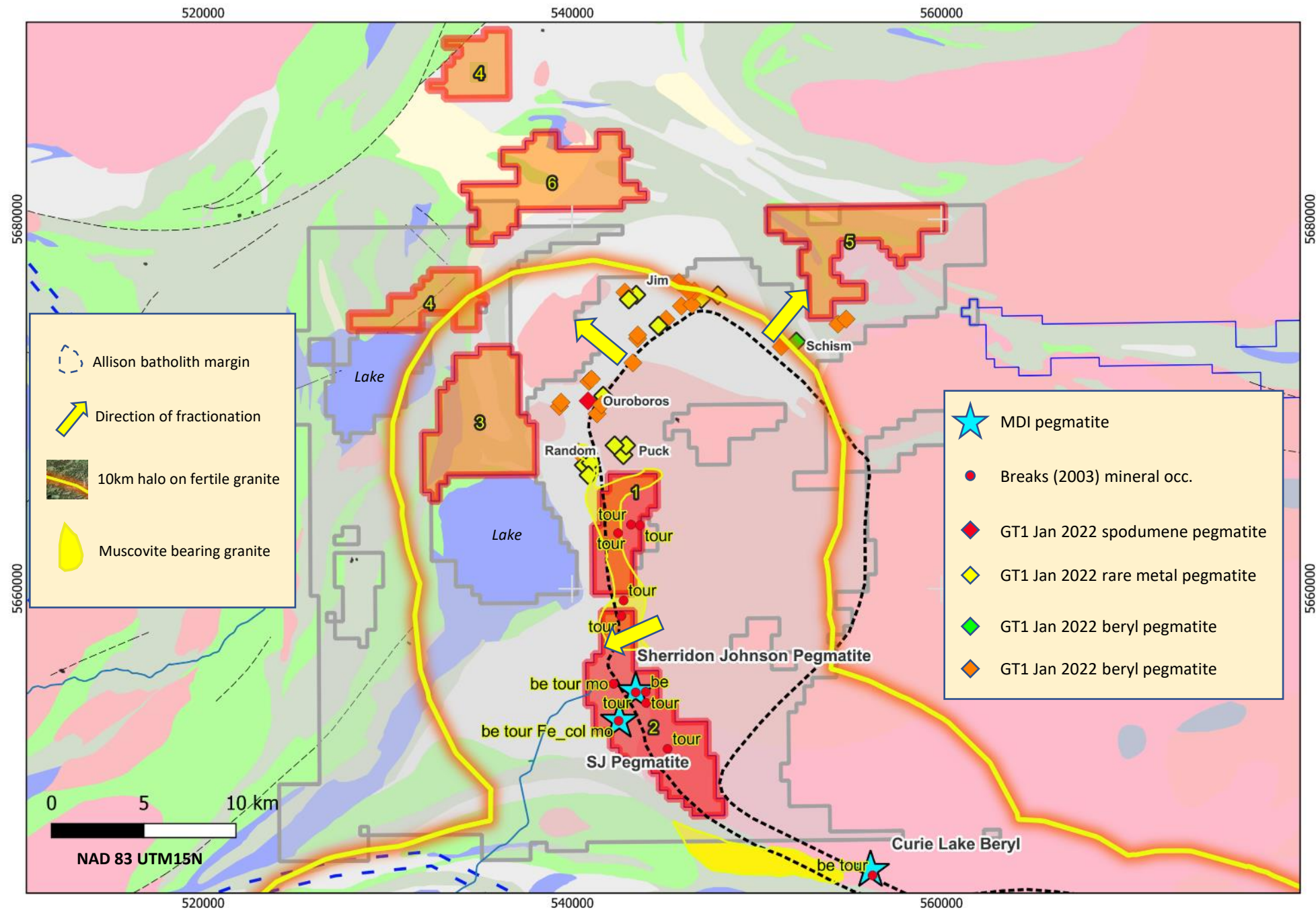
1. Allison North
2. Jubilee

Regional Properties (3-6)

3. Perrigo
4. Shabumeni
5. Seagrave
6. Satterley

- Commanding land position in the core of the Allison Lake batholith covers both the fertile granite contact and regional area where fractionation can be expected.
- Entire area is staked up, no land available
- Compliments land position of all landholders in the core of the Batholith

Data sources, OMI, OFR6099 (2003) and third party company data



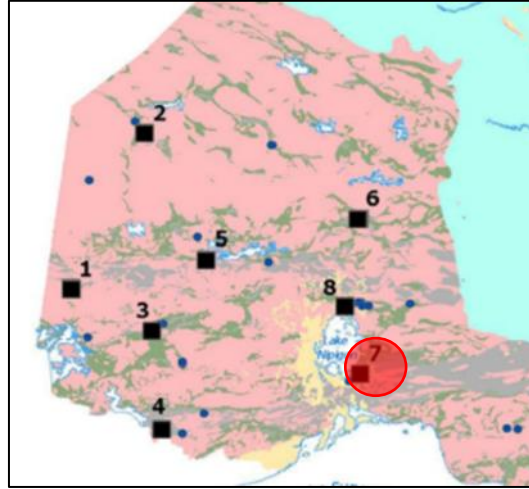
Core Properties (1-2)

- Prime location – covers 19 km strike length on margin of the batholith
- Known pegmatites, positive fertile indicators (Breaks) exposed over 30 x 35 m

Regional Properties (3-6)

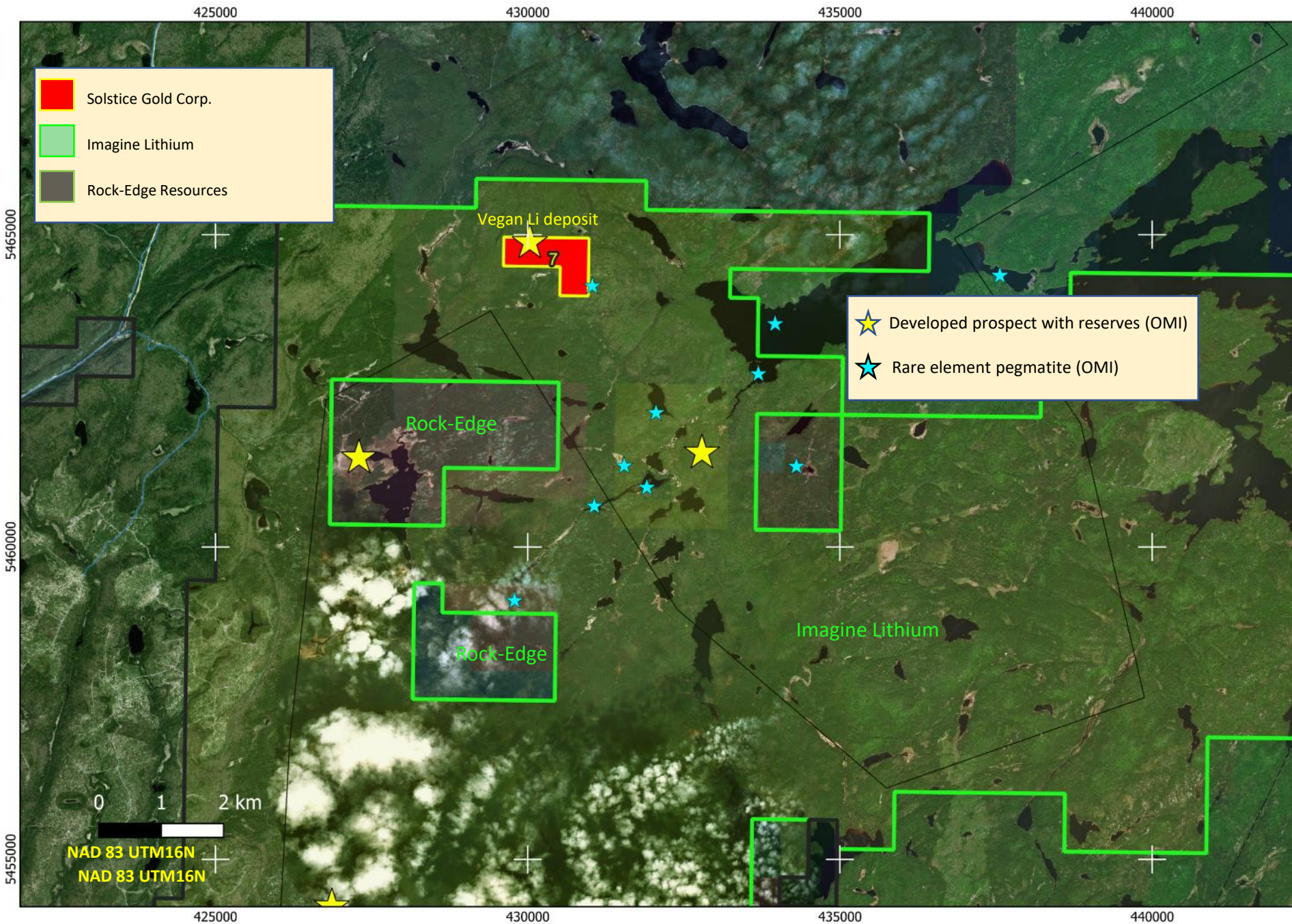
- Data shows granite is fractionating outwards
- Regional properties close to known fractionation indicators and/or within the 10km buffer of the muscovite-granite margin

“Thus, we propose that the Birch-Uchi greenstone belt west of the Allison Lake batholith is a good area to be prospected for rare-element pegmatites.”, Breaks, 2003



Georgia Lake and Gathering Lake Area

Vegan Resource and prime Gathering Lake property

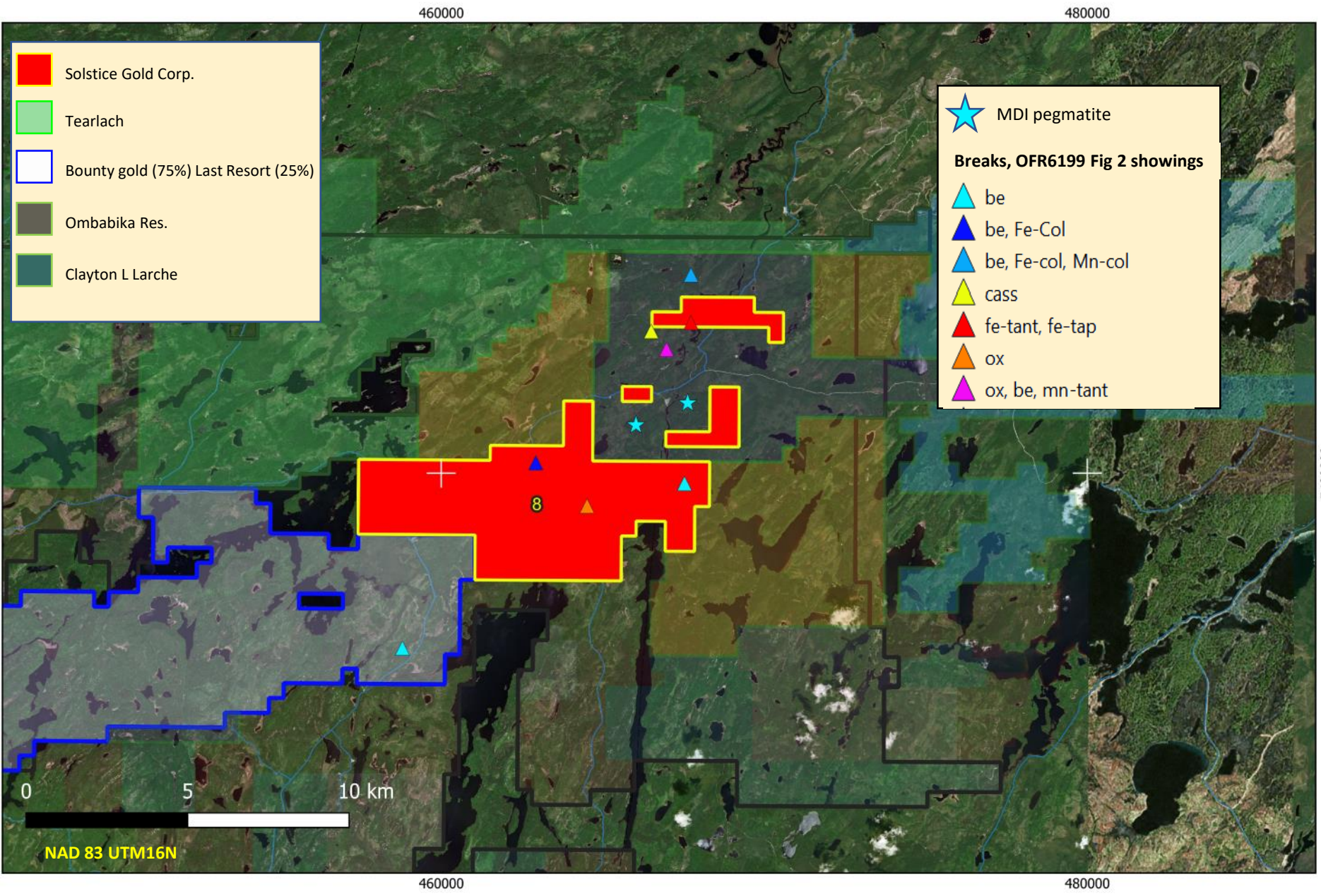


Jackpot (7)

- Government data* and Imagine Lithium news release indicate that the Jackpot Li deposit is within the Jackpot property
- 1955-6: Dunvegan Mines Ltd. - 55 DDH totalling 3,523m. 1956: Vegan Lithium Mines Ltd. - 19 DDH totalling 738.6m.
- The above reference indicates the deposit strike SE and dips east – this would mean it strikes into the Jackpot claims
- The above reference cites a non 43-101 'possible' resource** of 750,000 tons @1.38% Li₂O

*<http://www.geologyontario.mndm.gov.on.ca/mndmfiles/mdi/data/records/MDI42E05SW00016.html>

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- Solstice Gold Corp.
- Tearlach
- Bounty gold (75%) Last Resort (25%)
- Ombabika Res.
- Clayton L Larche

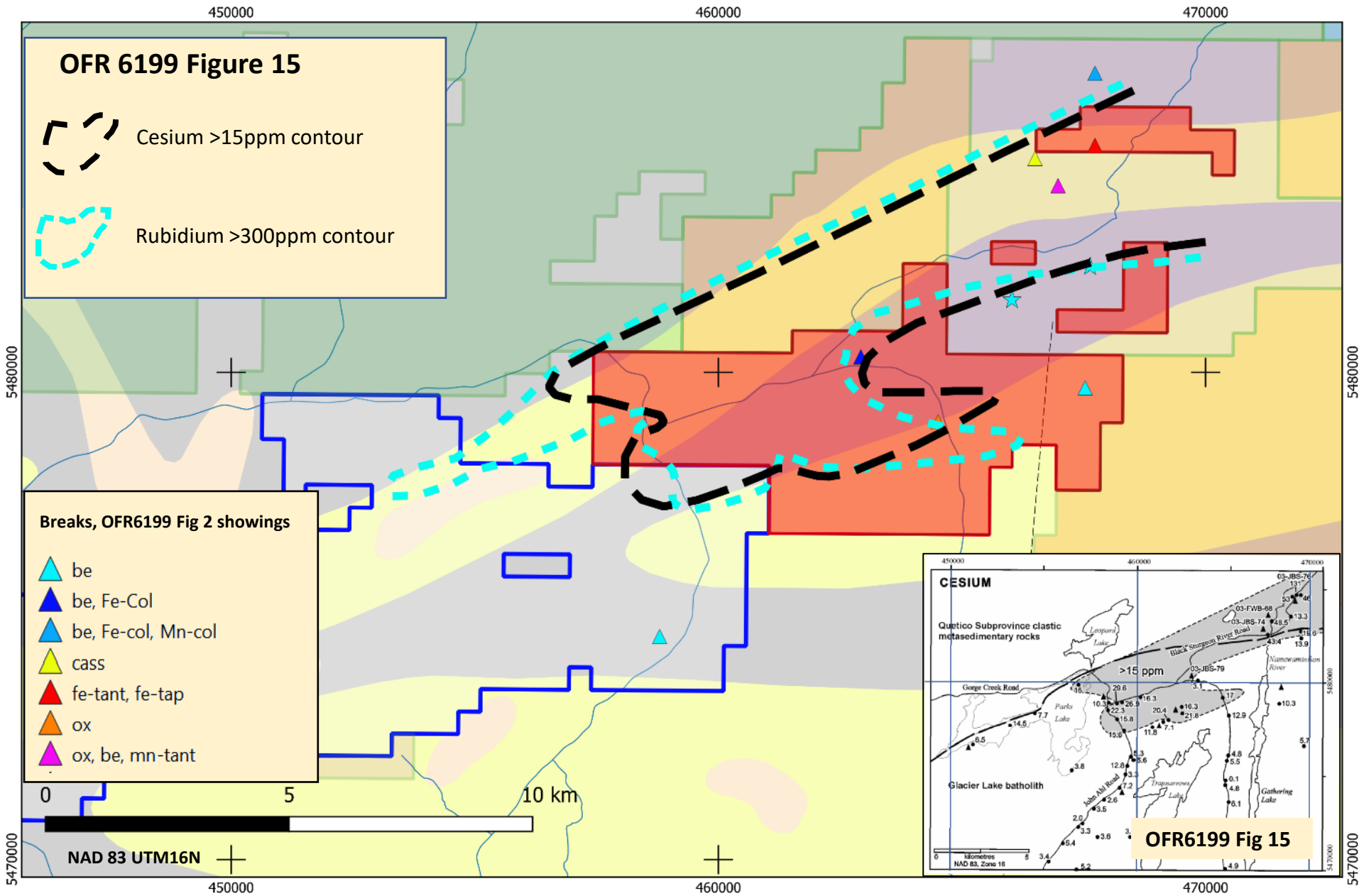
- ★ MDI pegmatite
- Breaks, OFR6199 Fig 2 showings**
- ▲ be
- ▲ be, Fe-Col
- ▲ be, Fe-col, Mn-col
- ▲ cass
- ▲ fe-tant, fe-tap
- ▲ ox
- ▲ ox, be, mn-tant

Gathering Lake (8)

- ~40km² occupying a documented NE-trending Lithium corridor
- Area is staked up, no land available
- Documented OGS indicator minerals in pegmatites

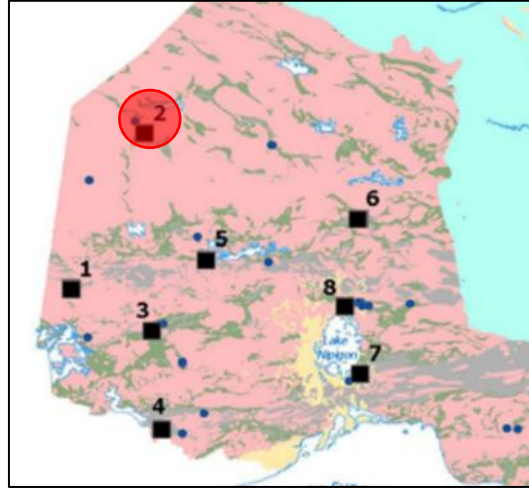
Rare metal-related occurrences

- Be = beryl
- Fe-Col = Fe-columbite
- Mn-col = Mn-columbite
- Cass = cassiterite
- Fe-tant = Fe-tantalite (Ta-bearing)
- Fe-tap = ferrotapiolite (Ta, Nb-bearing)
- Ox = oxide mineral after unidentified precursor



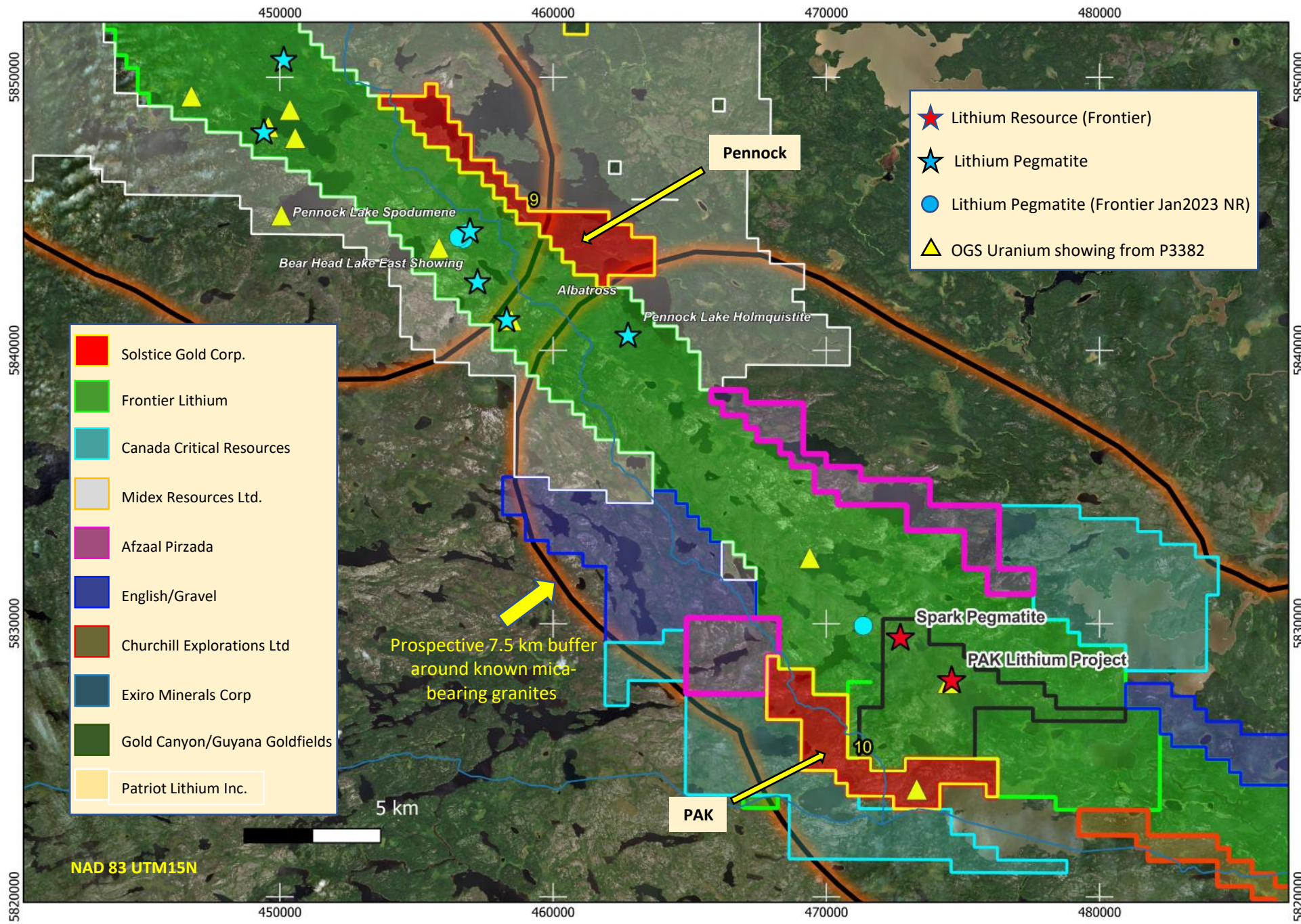
Gathering Lake (8)

- Data from Breaks (OFR6199) shows that the Gathering Lake Claim block occupies a significant portion of a prospective NE trend defined by Cesium and Rubidium



Pakeagama Area Properties

Two well-located properties
adjacent to Frontier Lithium's large PAK and Spark Deposits



Pakeagama Area Properties

- Two properties tied onto Frontier Lithium's claims

Pennock (9)

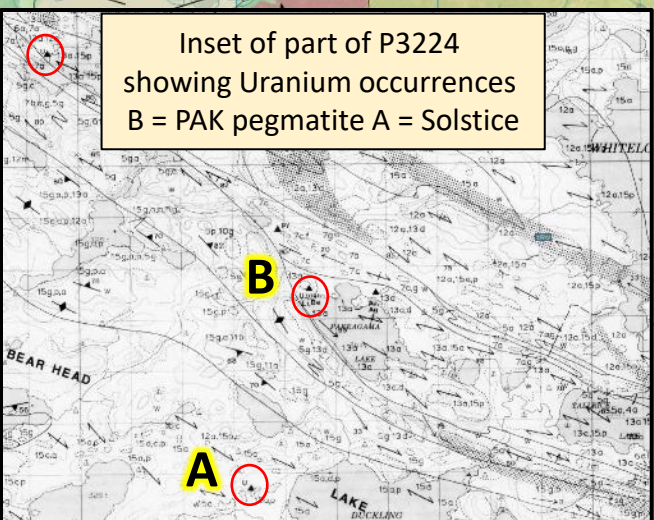
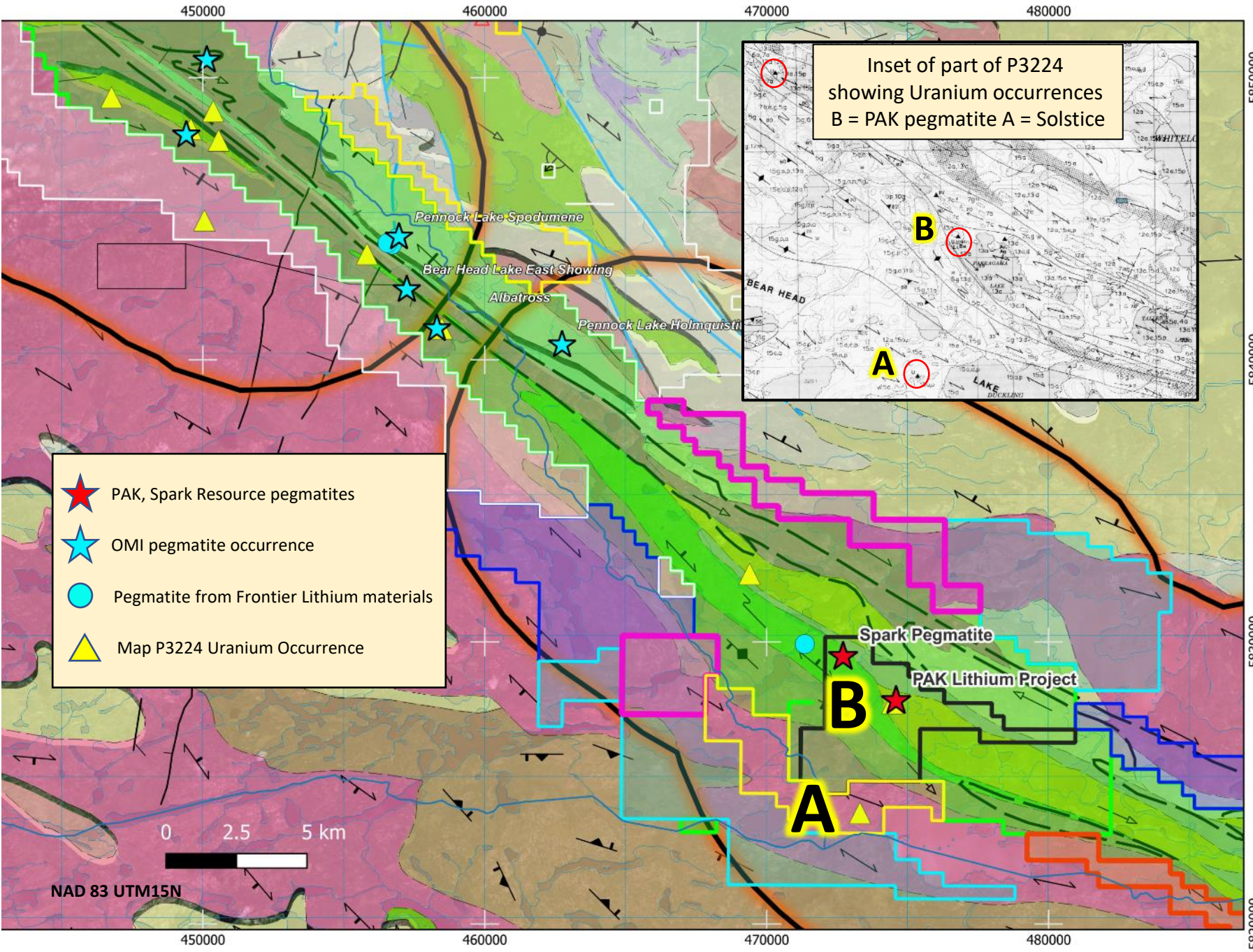
- 11km tied onto Frontier and adjacent to numerous mapped pegmatites
- Within the 10km muscovite-bearing prospective buffer area

PAK (10)

- Adjacent to the PAK and Spark resource leases
- 9km strike well within 10km buffer from mapped muscovite granites
- Area is solidly staked, no claims available
- Transected by the Frontier winter road

- INTRUSIVE ROCKS**
- Hornblende Suite**
- 16b Hornblende Tonalite to Granite:
Tonalite to quartz diorite to granodiorite; coarse grained; granular; white to grey; 10 to 30% hornblende and biotite
- 16c Granodiorite to granite; K-feldspar megacrystic; coarse grained; pink to white to grey; weakly foliated; >5% hornblende and/or biotite
- INTRUSIVE CONTACT**
- Granitic Suite**
- 15 Granodiorite to Granite:
pink to white; massive to weakly foliated; <15% biotite
- INTRUSIVE CONTACT**
- Mafic (Saratoga) Suite**
- Intermediate to Mafic Intrusive Rocks:
Diorite, quartz diorite, tonalite, monzodiorite, granodiorite; grey to red; variable % hornblende, biotite and clinopyroxene
- 14a Monzonite, quartz monzonite, syenite, quartz syenite, granite, pink to white; massive; <15% biotite and hornblende
- 14b
- INTRUSIVE CONTACT**
- Peraluminous (S-type) Suite**
- 13 Two-Mica Granite to Granodioritic:
white to pink coarse grained to pegmatitic; massive to mylonitic; may contain biotite, muscovite, garnet, tourmaline, apatite, cordierite, sillimanite
- INTRUSIVE CONTACT**
- Tonalitic Suite**
- 12 Tonalite to Granodioritic:
white to grey; foliated; fine to coarse grained; 5 to 15% biotite
- INTRUSIVE CONTACT**
- Gneissic Suite**
- 11 Tonalite to Granodioritic Gneiss:
dark grey to white; foliated and layered; commonly foliated; 5 to 30% biotite and hornblende
- INTRUSIVE CONTACT**
- Mafic to Ultramafic Intrusive Rocks:**
amphibolite, hornblende, metagabbro, metaperidotite, ultramafic rocks; black; fine to coarse grained; massive to foliated
- INTRUSIVE CONTACT**
- Alkaline Fen-Fluited Metasedimentary Rocks:**
conglomerate, pebbly sandstone, sandstone, siltstone; typically coarse, massive and thick bedded
- 9
- 7 Metasedimentary Rocks:
sandstone, siltstone, slate, conglomerate, chert, iron formation, marble, minor metavolcanic rocks, derived migmatites
- 6 Intermediate to Felsic Metavolcanic Rocks (16 to 36 and <15% mafic minerals):
rhyolite, dacite and andesite flows, tuffs and breccias, chert, iron formation, minor metasedimentary and intrusive rocks, derived gneisses
- 5 Mafic to Intermediate and Ultramafic Metavolcanic Rocks (mainly >30% mafic minerals):
basaltic to andesitic and komatiitic flows, tuffs and breccias, minor iron formation, derived gneisses
- MESOARCHAIC (2.9 to 3.4 Ga)**
- 3 Mafic to Ultramafic Metavolcanic and Metasedimentary Rocks:
basaltic to andesitic and komatiitic flows, tuffs and breccias, minor iron formation, derived gneisses
- 2 Felsic to Intermediate Metavolcanic Rocks:
rhyolite, dacite and andesite flows, tuffs and breccias, derived gneisses
- 1 Metasedimentary Rocks and Mafic to Ultramafic Metavolcanic Rocks:
coarse clastic metasedimentary rocks, marble, quartz arenite, iron formation, komatiite, basalt and minor felsic metavolcanic rocks, derived migmatites

- ★ PAK, Spark Resource pegmatites
- ★ OMI pegmatite occurrence
- Pegmatite from Frontier Lithium materials
- ▲ Map P3224 Uranium Occurrence

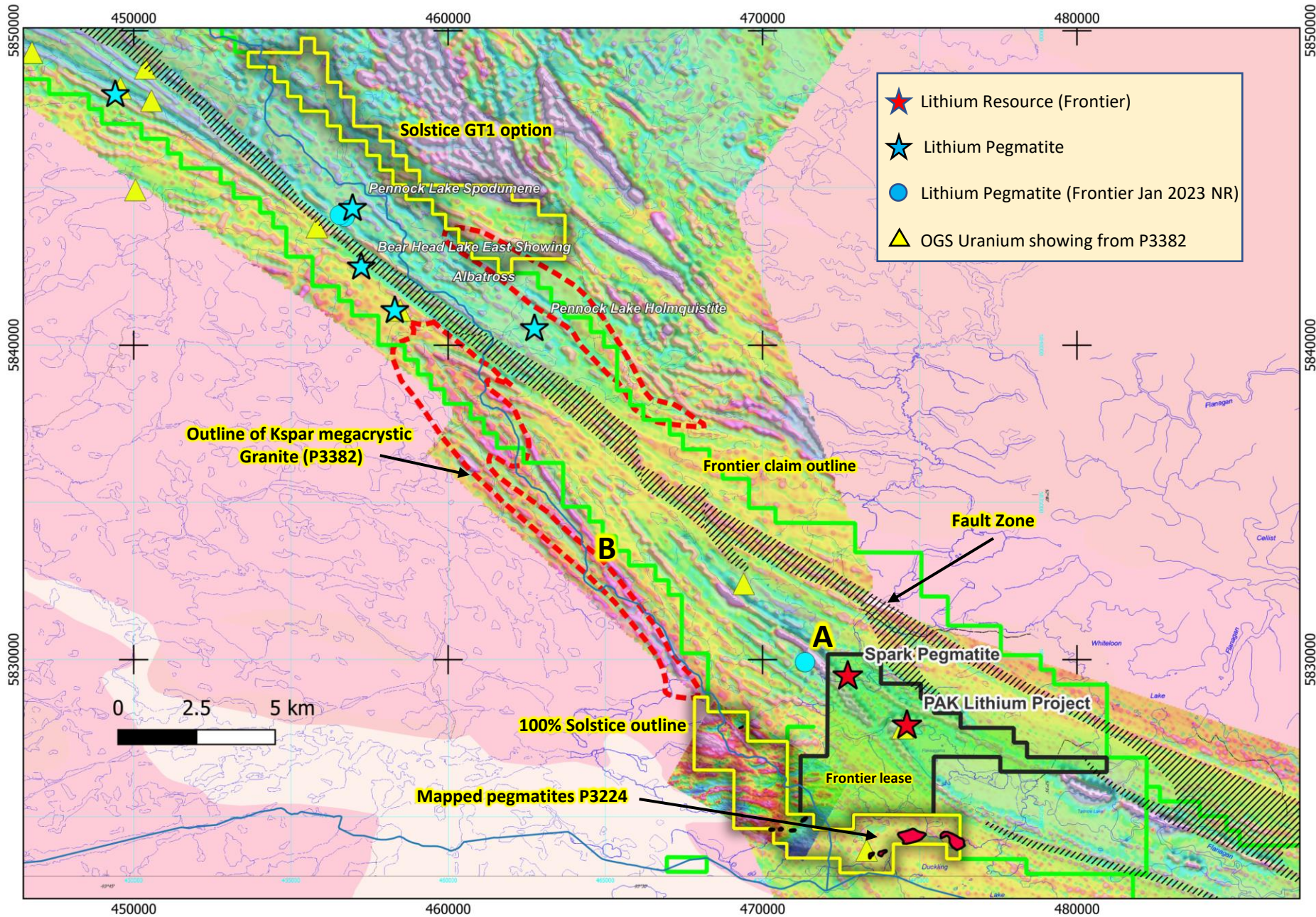


OGS map P3224 (1993) shows the PAK claims to contain a Uranium occurrence at 'A' on the map. This appears to have been missed in the provincial OMI database.

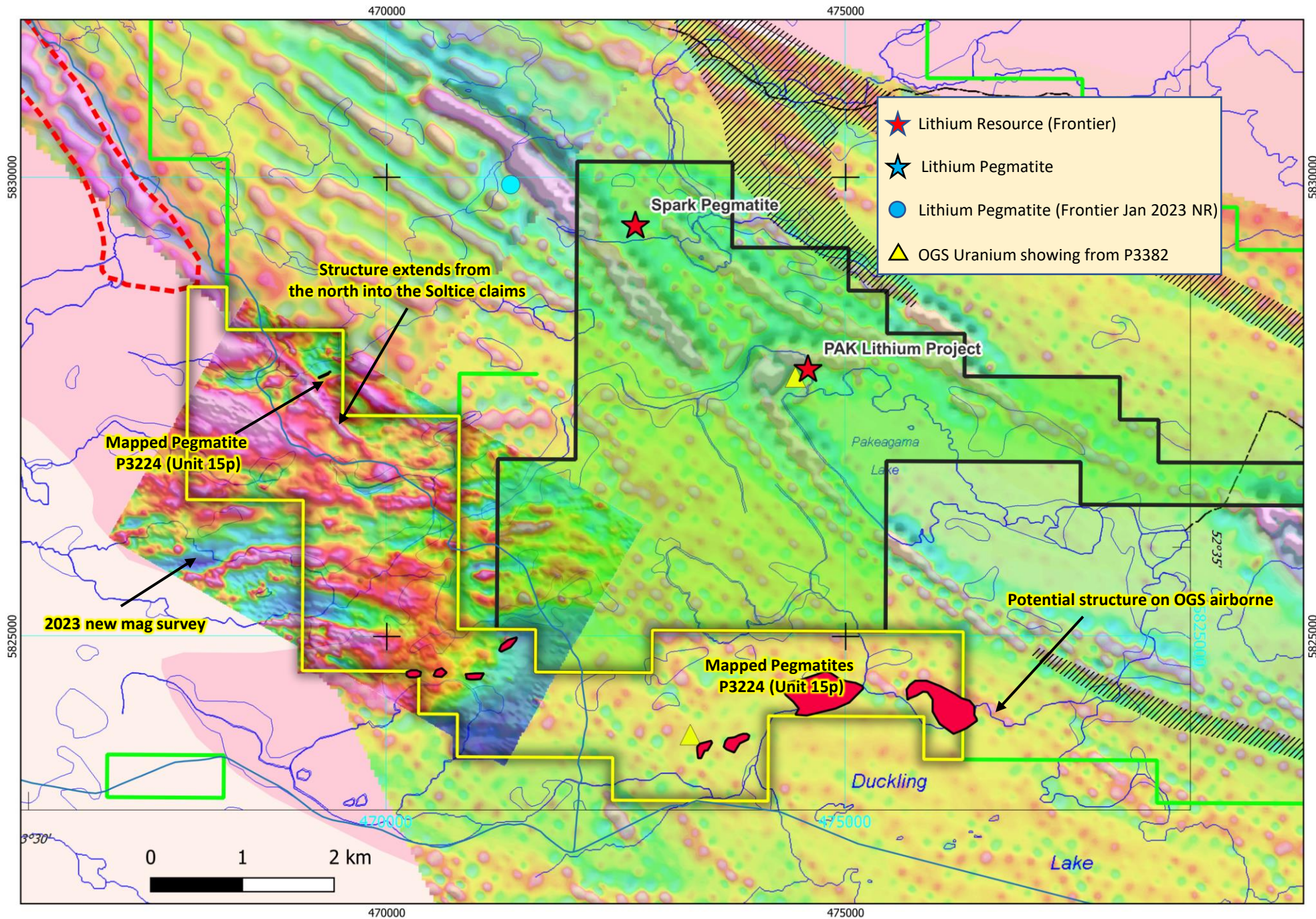
The PAK pegmatite is also associated with a uranium showing ('B' on map).

Other pegmatites to the North also have associated Uranium

* This legend is common to several map areas. All codes may not appear on an individual map.

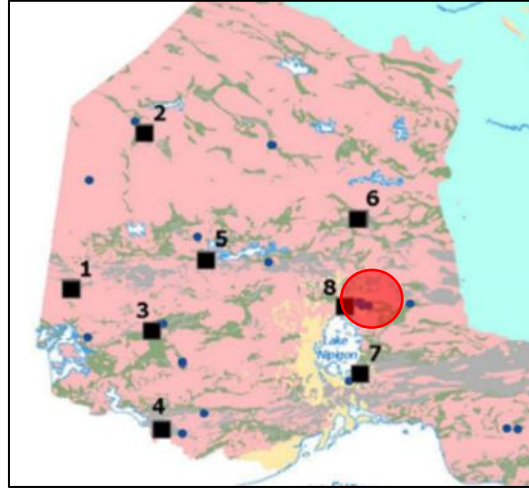


- Mag linears closely associated with known pegmatites e.g. at 'A'
- Potential structure at 'B' flanks KSpar megacrystic granite
- P3324 maps pegmatite phase of granite on Solstice claims in close proximity to Uranium showing
- Other uranium showings regionally are associated with rare metal pegmatites



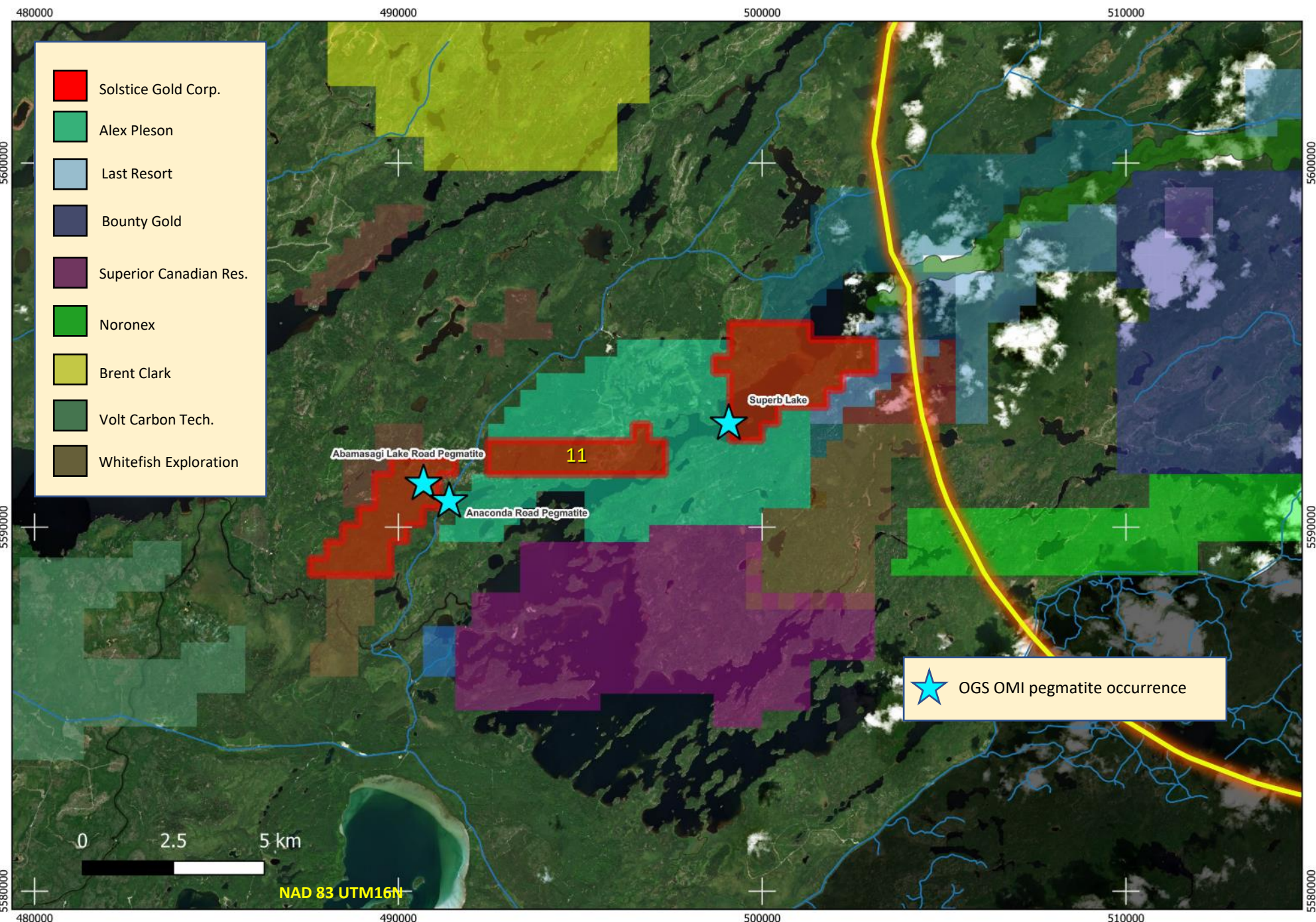
- New 2023 airborne covers northern half of Solstice 100% owned claims
- Shows clear cross-cutting mag trend extending from the north into the claims – likely structure. Should be prospected
- Similar mag trends are closely associated with the PAK pegmatites trend
- Mapped pegmatite granite occurs in several areas including close to the known Uranium showing. This area has not been prospected.
- Coverage of the remaining part of the property recommended.

Note: Only Solstice and Frontier claim shown
The entire belt is staked up.



Superb Lake Properties

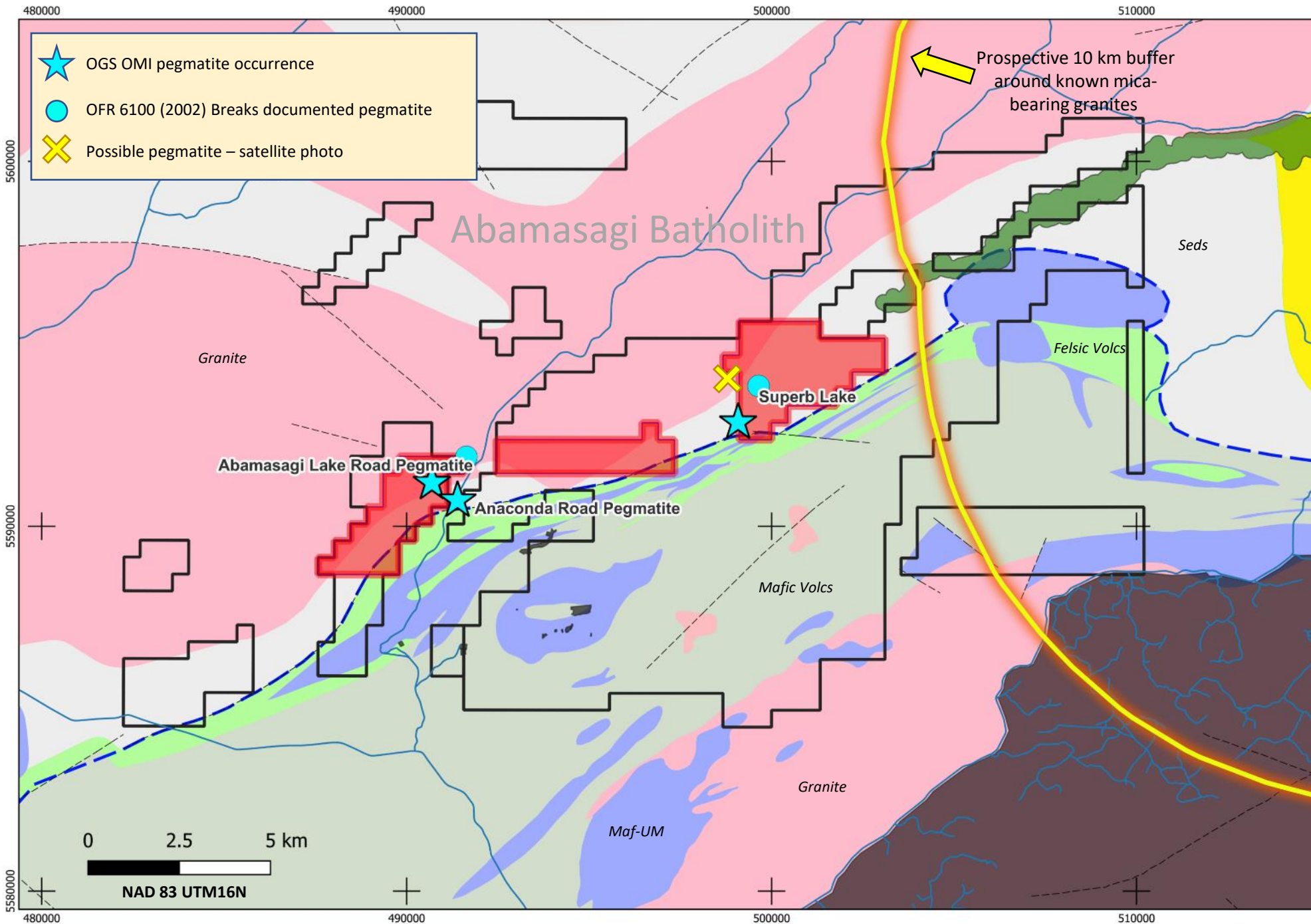
Three properties in emerging English River District play



Superb Lake (11)

- Three non-contiguous blocks in emerging English River play
- Total of ~12km strike length
- Known pegmatites

★ OGS OMI pegmatite occurrence



Superb Lake (11)

- Property straddles the English River and Winnipeg River sub-domains – prime location
- Existing pegmatites, mapped trending NE-SW
- Breaks (2003) recognized that the Abamasagi batholith is, at least in part, a fertile peraluminous intrusive which expands the potential target are beyond mapped muscovite-bearing rocks

Abamasagi Lake Road Pegmatite

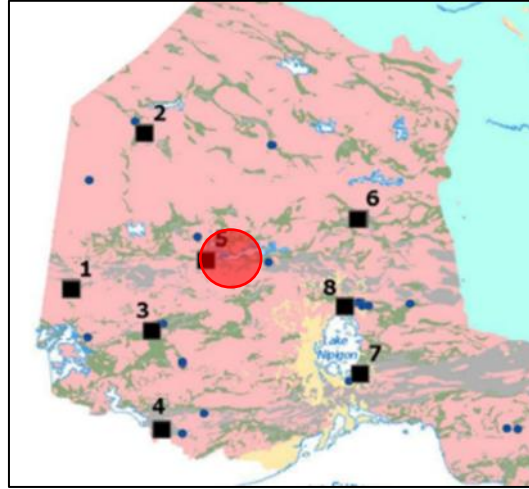
Returned 969 ppm Li, 241 ppm Cs, 12 ppm Be, 263 ppm Nb, 1,991 ppm Rb, 116 ppm Sn, and 63 ppm Ta (Breaks et al, 2006).

Anaconda Road Pegmatite

Contains elevated Rb (2,418 ppm) and Cs (147 ppm) and low K/Rb (44) and K/Cs (727) ratios. Consists of massive garnet-muscovite potassic pegmatite located 262 m west of the property border.

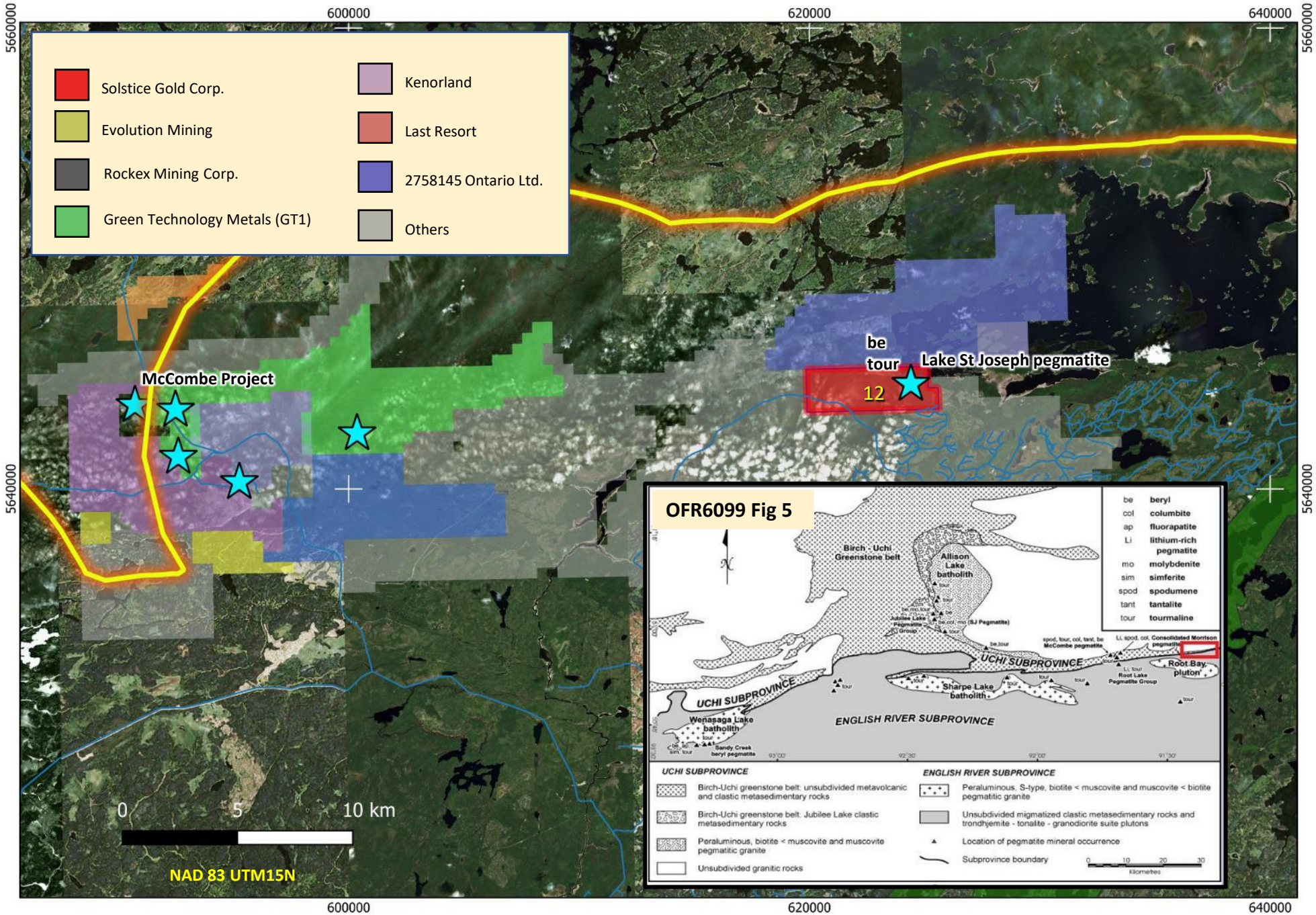
Superb Lake pegmatite

Located 97 m west of the property, a dike at least 30 m in width, is exposed along the northwest shoreline of Superb Lake



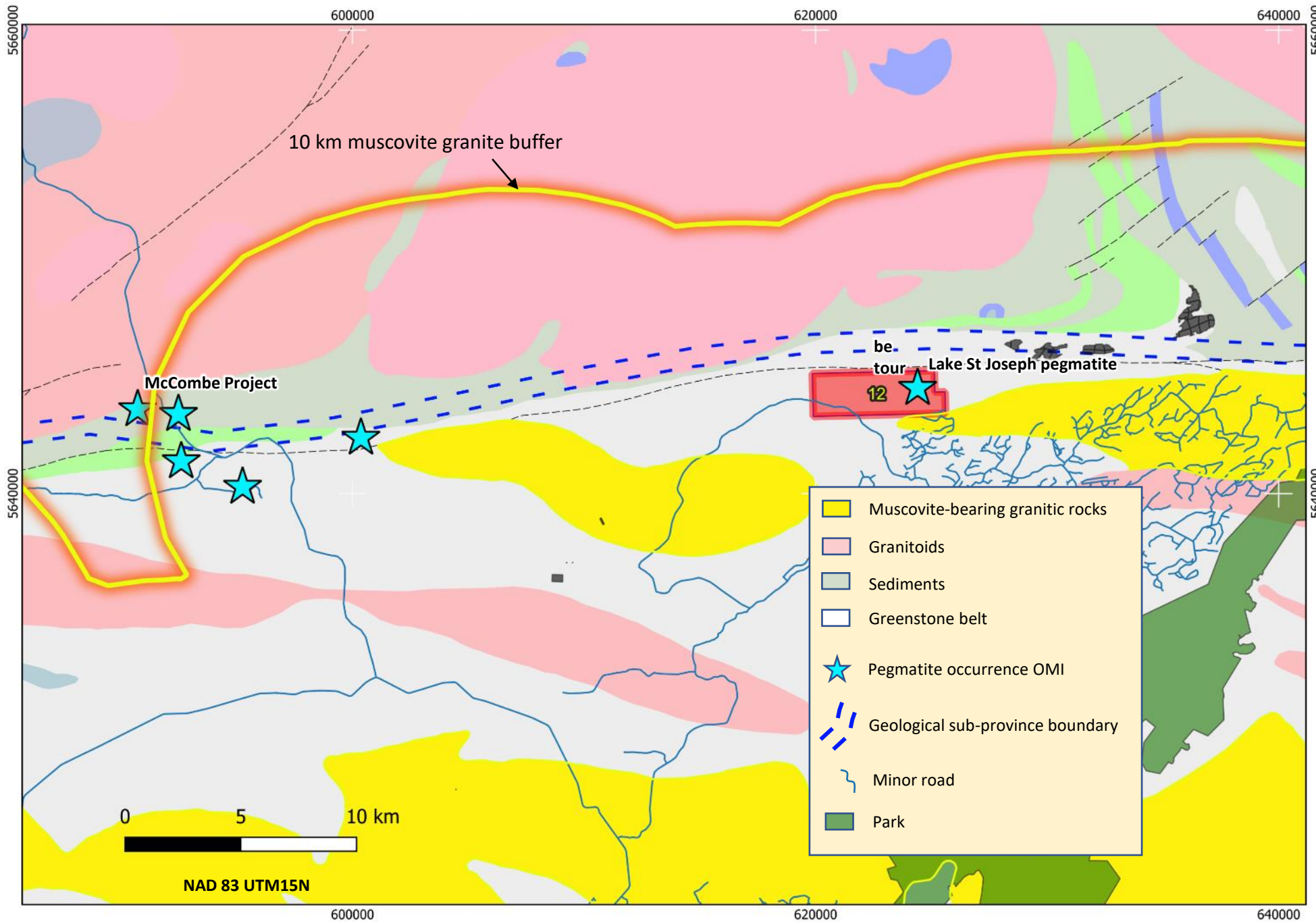
Root Bay Property

Eastern part of McCombe district – hosts known pegmatite



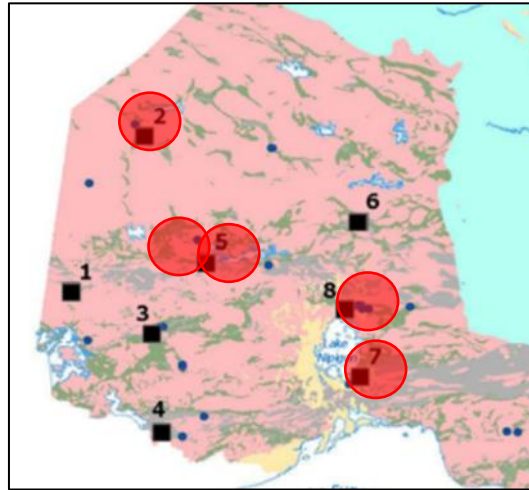
Root Bay (12)

- 5.8km long property along the Uchi-English River Subprovince boundary within the halo of prospective muscovite-bearing granites.
- Entire area from McCombe Li-resources in the west eastwards beyond the Solstice claims is staked up.
- Lake St Joseph pegmatite contains beryl, tourmaline



Root Bay (12)

- **Lake St. Joseph Pegmatite (beryllium)** located within the property close to the shore of Trist Lake
- Sits on the Uchi-English River Domain sup-province boundary
- Bruce (1922) reports the presence of beryl in a pegmatite intrusion found at this location. Clifford (1969) indicates that *this is one of many pegmatites that occur toward the western end of Lake St. Joseph.*



Lithium Portfolio Summary

- 🕒 *Unique opportunity.* Portfolio of highly prospective areas adjacent to established Lithium resources.
- 🕒 *Exposure to active, high-profile Lithium districts in NW Ontario.* In both established and emerging camps.
- 🕒 *Solidly staked.* Commanding land positions in areas where no more claims are available.



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