

STRATEGIC LITHIUM FOOTPRINT SUBSTANTIALLY EXPANDED

HIGHLIGHTS

- GT1 has increased its exploration claim holdings in NW Ontario to 35,576 ha (from 9,467 ha original position) via strategic pegging and option agreements.
- Newly acquired claims focussed on Seymour and Root, as well as a new project named Allison.
- Allison is considered one of the most under-explored and prospective areas for LCT pegmatites in NW Ontario.
- All exploration areas host lithium bearing minerals and/or LCT pegmatites.

Green Technology Metals Limited (**ASX: GT1**)(**Green Technology, GT1** or the **Company**) is pleased to announce that it has significantly increased its landholding in Ontario, Canada, via its wholly owned subsidiary Lithium Triangle Resource Ltd.

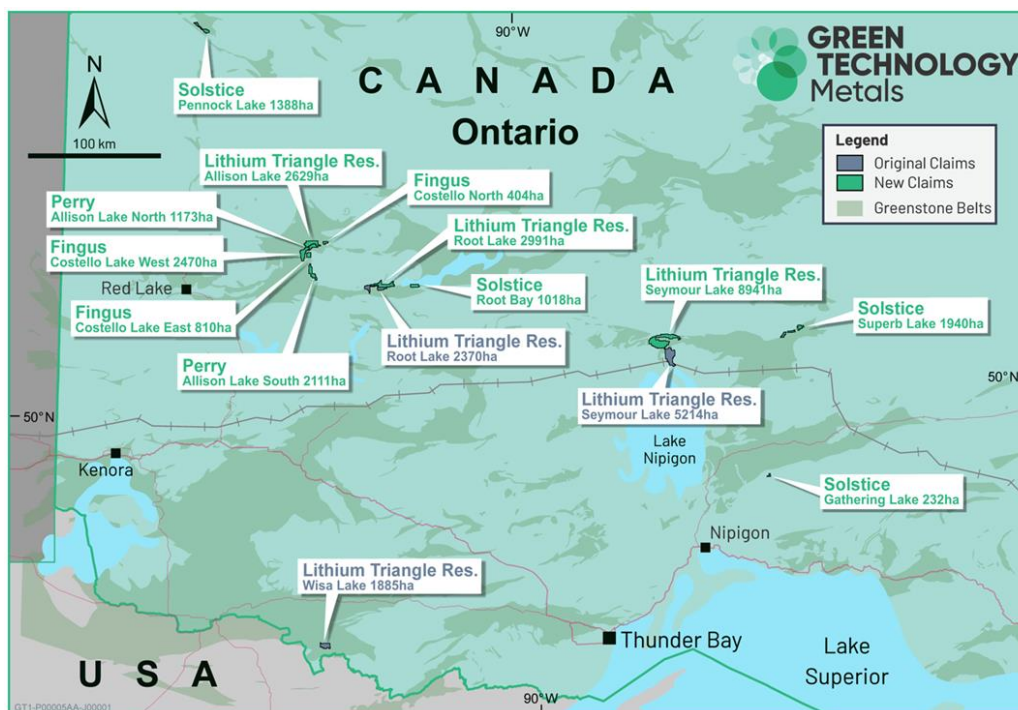


Figure 1: Expanded GT1 Lithium Project Footprint in NW Ontario; created by the Company January 2022



The Company has increased its tenement base from 9,467 hectares to 35,576 hectares through execution of multiple option agreements and tenement pegging activities. The new landholdings surround GT1's existing projects, Seymour and Root, as well as being in a new project area named "Allison" and select other project areas (Pennock Lake, Root Bay, Superb Lake and Gathering Lake)(see Figure 1).

Existing Project Expansion

Seymour: As previously announced (see GT1 ASX release dated 8 November 2021, *Pre-Quotation Disclosures*), GT1 has pegged 439 new mining claims around Seymour for a total addition of 9,029 hectares. This holding extends to the north of Seymour reaching into the Archean Green Stone Belt which hosts locally known LCT pegmatites.

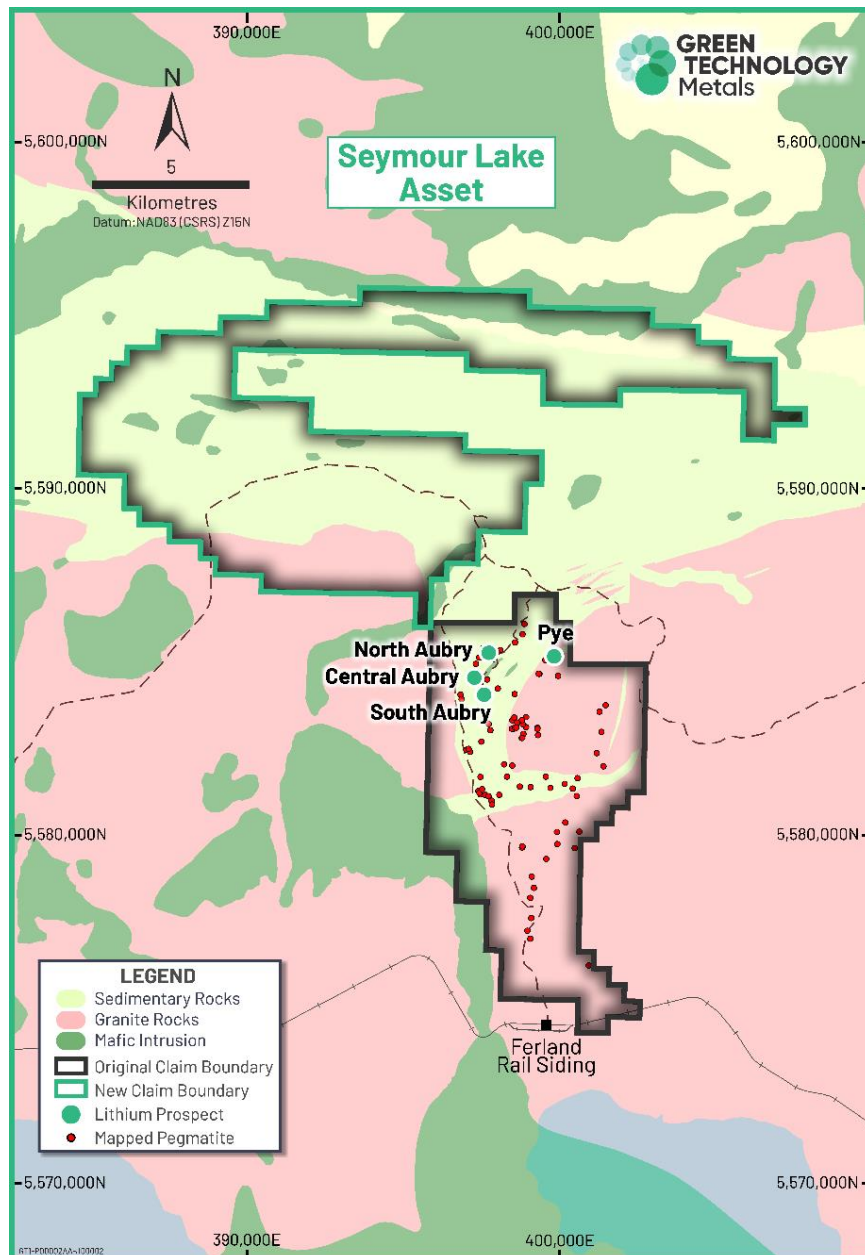


Figure 2: Expanded lithium tenement base at Seymour Project; created by the Company January 2022

Root: GT1 has now substantially increased its claim holding around the north-east area of the Root Project (through pegging of a further 2,993 hectares). This holding now extends to the east reaching into the Archean Green Stone Belt which is prospective for LCT pegmatites and locks up the remaining belt shared with international mining companies exploring for lithium, gold and base metals.

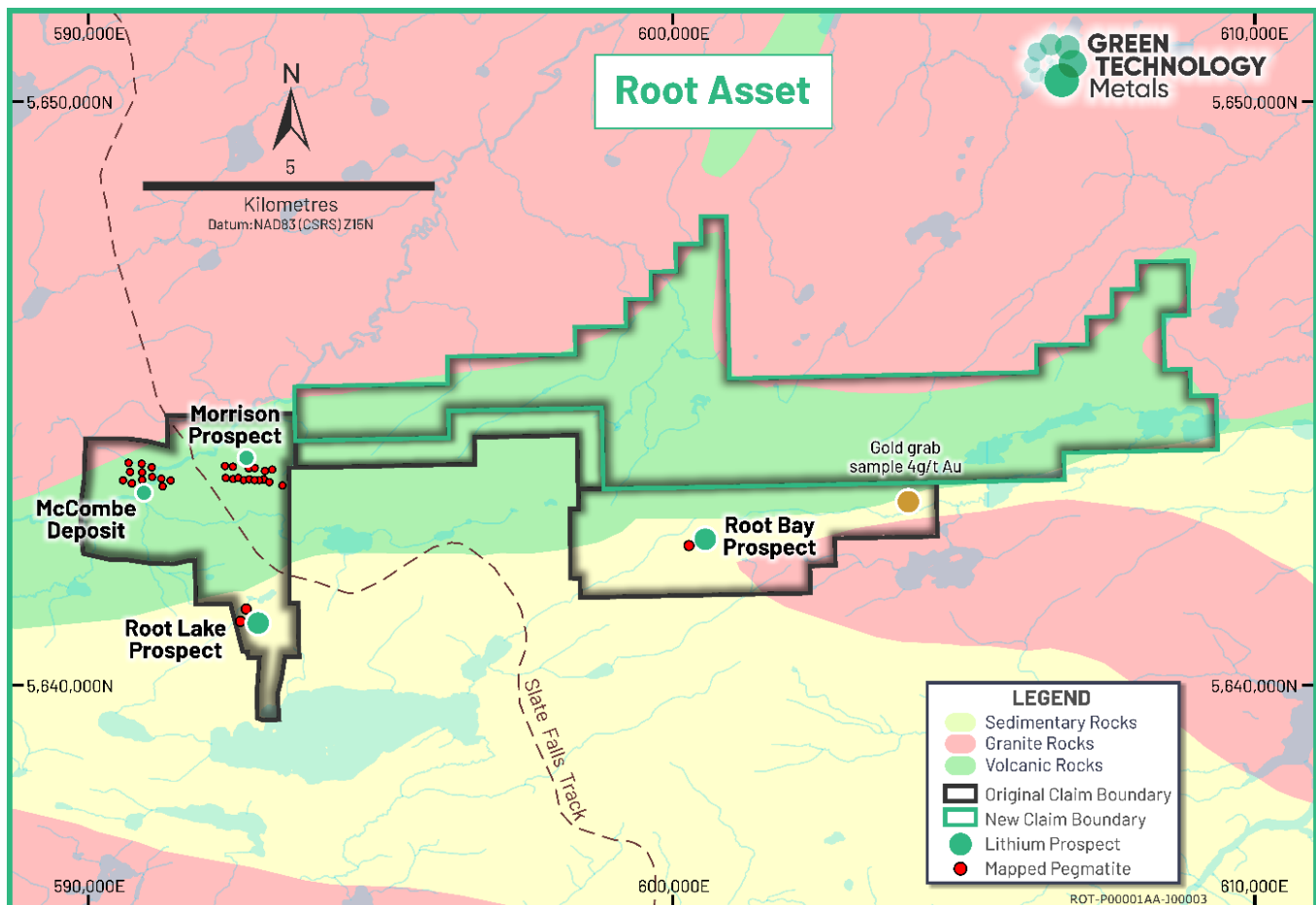


Figure 3: Expanded lithium tenement base at Root Project; created by the Company January 2022

Allison Lithium Project

GT1 has entered binding option agreements with two unrelated parties to acquire claim packages covering 6,968 hectares in the Allison area (see Appendix A for the claim schedules subject to these agreements and Appendix B for the key terms of these agreements). This is in addition to the 125 claims previously pegged in this area for 2,630 hectares (see GT1 ASX release dated 8 November 2021, *Pre-Quotation Disclosures*).

The Allison Batholith is a multiphase intrusion that is highly prospective for evolved LCT type pegmatites. F.W. Breaks (renowned Ontario Geological Survey geologist responsible for discovery of Avalon's Separation Rapids Lithium Deposit and instrumental in the early development of Frontier Lithium's PAK deposit) described the Allison Lake area in 2003;

"The Allison Lake batholith represents an important new exploration target for rare-element mineralization and is the largest such granite thus far documented in Ontario."

“This area has high potential for further discoveries of rare-element mineralization that could occur in exo-contact, metasedimentary-hosted pegmatites or as internal pegmatites within the parent granite. Only beryl-type pegmatites have been discovered to date, however, in light of the common regional zonation sequence of rare-element pegmatites from beryl-rich into lithium-rich types (Černý 1991b) (albite-spodumene-type and complex-type) with increasing distance from the parent granite, this corridor is recommended for detailed exploration.”

Source: 2003, ONTARIO GEOLOGICAL SURVEY, Open File Report 6099, Fertile Peraluminous Granites and Related Rare-Element Mineralization in Pegmatites, Superior Province, North-West and North-East Ontario: Operation Treasure Hunt. F.W. Breaks, J.B. Selway and A.G. Tindle

After the 2003 Open File Report 6099, the Ouroboros Pegmatites hosting spodumene mineralisation were located, proving lithium rich pegmatites exist in the corridor. Source John Fingas, field mapping June 2021.

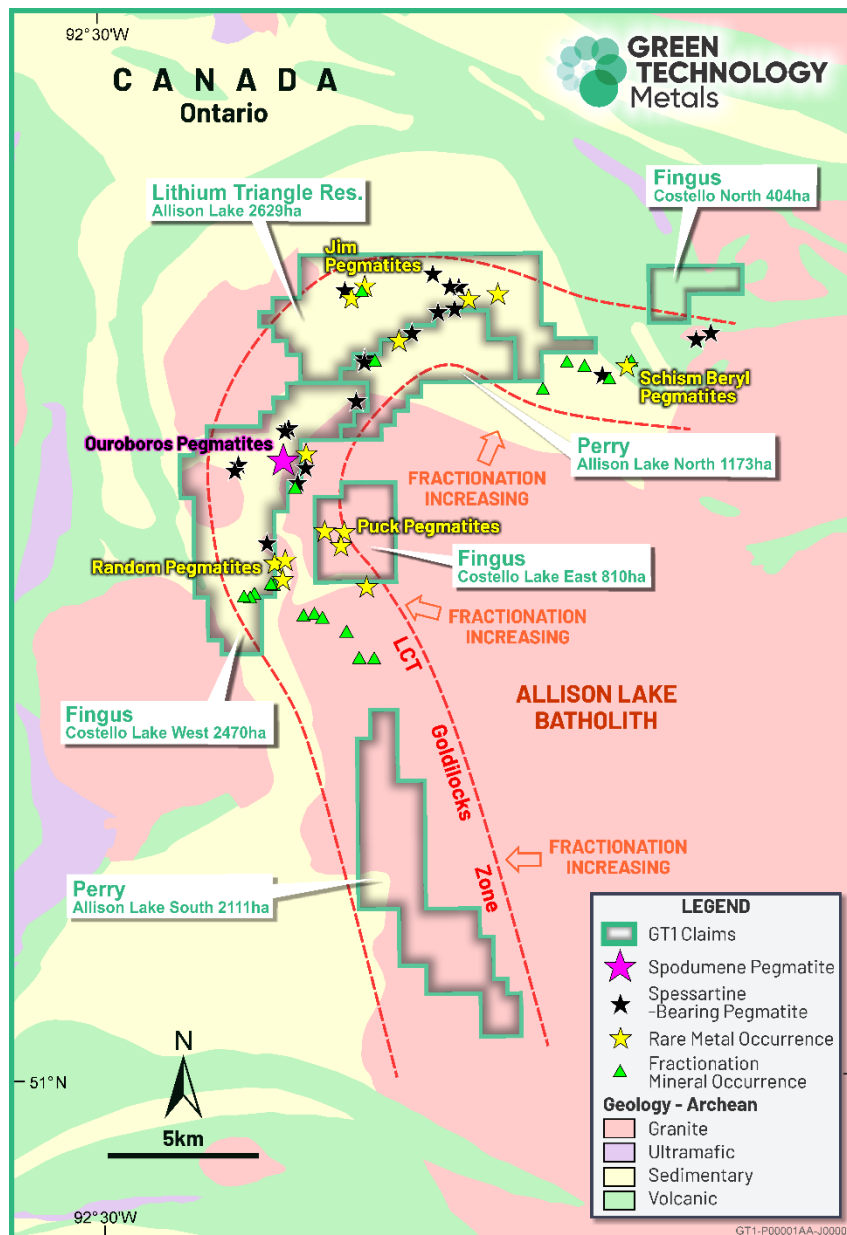


Figure 4: GT1 tenement base at Allison Lithium Project, source; Open File Report 6099, J.Fingas and P.English; created by the Company January 2022

Other Project Areas: Pennock Lake, Root Bay, Super Lake and Gathering Lake

GT1 has also entered into an option agreement with Solstice Gold Corporation (CVE:SGC) to acquire 31 mining claims across 4 locations: Pennock Lake, Root Bay, Superb Lake and Gathering Lake (see Appendix B for key terms of this agreement).

Key features of these new project areas include:

- **Pennock Lake:** geologically mapped spodumene pegmatites⁴, source OGS MP053, 1972, directly adjacent to Frontier Lithium PAK and Spark Projects.
- **Root Bay:** borders Evolution Mining's substantial Greenstone land package and along strike of GT1's Root Project.
- **Superb Lake:** hosts rare-element and spodumene bearing pegmatites indicative of fertile peraluminous granites⁵, source Breaks et al 2006 & 3 MNDM registered rare earth pegmatites, located north-east of Rock Tech and proximate to GT1's Seymour Project.
- **Gathering Lake:** hosts multiple pegmatites, north-east of the Barbara Lake pegmatite field and historical sampling noting fractionation minerals in abundance.⁶ Source Breaks, OFR 6120, 6199.

Forward Work Program

All newly pegged and optioned tenements have been ranked based off prospective geological setting plus any observed pegmatite widths and lithium grades. GT1 plans to undertake a systematic evaluative approach to exploration of these new areas, alongside rapid advancement of its core Seymour, Root and Wisa Projects, in keeping with its focus on building a sustainable, North American focussed lithium production business.

This ASX release has been approved for release by: Luke Cox, Chief Executive Officer

KEY CONTACTS

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Green Technology Metals (ASX:GT1)

Green Technology Metals is a North American focussed lithium exploration and development business. The Company's Ontario Lithium Projects comprise three high-grade, hard-rock spodumene assets (Seymour, Root and Wisa) covering 95km² of highly prospective tenure north-west of Thunder Bay in Ontario, Canada.

All sites are proximate to excellent existing infrastructure (including hydro power generation and transmission facilities), readily accessible by road, and with nearby rail delivering transport optionality.

Seymour has an existing Mineral Resource estimate of 4.8 Mt @ 1.25% Li₂O (comprised of 2.1 Mt at 1.29% Li₂O Indicated and 2.7 Mt at 1.24% Li₂O Inferred). Accelerated, targeted exploration across all three projects delivers outstanding potential to grow resources rapidly and substantially.



The information in this release that relates to Exploration Results, Mineral Resources and Exploration Targets for the Ontario Lithium Projects was released in the Company's prospectus (see GT1 ASX release dated 8 November 2021). The Company confirms that it is not aware of any new information or data that materially affects the information in that release and that the material assumptions and technical parameters underpinning these estimates continue to apply and have not materially changed.

The Company currently holds a 51% interest in the Projects under a joint venture with Arden Limited (ASX: 'ADV'). GT1 can acquire 80% interest in the Projects for the following consideration: A\$3.5 million cash and/or GT1 shares, 12-months post ASX listing. Please refer to the Company's Prospectus dated 16 September 2021 for further details.

Appendix A: SCHEDULE OF TENEMENTS UNDER OPTION AGREEMENTS

Solstice

#	Project Name	Tenure No.	Count
1.	Pennock	622108	1
2.	Pennock	622116	2
3.	Pennock	622126	3
4.	Pennock	646106	4
5.	Pennock	646107	5
6.	Pennock	646114	6
7.	Pennock	646115	7
8.	Pennock	646116	8
9.	Root Bay	650060	1
10.	Root Bay	650061	2
11.	Root Bay	650062	3
12.	Gathering Lake	632259	1
13.	Gathering Lake	632260	2
14.	Gathering Lake	637305	3
15.	Gathering Lake	637306	4
16.	Gathering Lake	637307	5
17.	Gathering Lake	637308	6
18.	Gathering Lake	637309	7
19.	Gathering Lake	637874	8
20.	Gathering Lake	637875	9
21.	Gathering Lake	637876	10
22.	Gathering Lake	637877	11
23.	Gathering Lake	637879	12
24.	Gathering Lake	637880	13
25.	Gathering Lake	638324	14
26.	Gathering Lake	638325	15
27.	Superb Lake Lithium	644431	1
28.	Superb Lake Lithium	644430	2
29.	Superb Lake Lithium	644433	3
30.	Superb Lake Lithium	644432	4
31.	Superb Lake Lithium	644434	5

Sundog Geology

TENURE_NUM	ISSUE_DATE	ANNIVERSARY	HOLDER	CLAIM BLOCK
675125	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675126	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675127	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675128	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675129	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675130	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675131	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675132	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675133	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675134	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675135	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675136	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675137	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675138	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675139	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675140	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675141	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675142	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675143	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675144	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675145	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675146	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675147	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675148	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675149	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675150	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675151	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675152	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675153	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675154	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675155	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675156	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675157	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675158	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675159	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675160	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675161	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675162	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East
675163	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello Lake East

675257	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello North
675258	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello North
675259	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello North
675260	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello North
675261	10/09/2021	10/09/2023	(100) THOMAS JOHN FINGAS	Costello North

Gravel Ridge

Claim#	Issue Date	Anniversary Date	Due Date	Owner Client#	Area /# of Cells
677034	16/09/2021	16/09/2023	16/09/2023	(129617) PERRY ENGLISH	10
677033	16/09/2021	16/09/2023	16/09/2023	(129617) PERRY ENGLISH	7
677032	16/09/2021	16/09/2023	16/09/2023	(129617) PERRY ENGLISH	24
677031	16/09/2021	16/09/2023	16/09/2023	(129617) PERRY ENGLISH	22
677030	16/09/2021	16/09/2023	16/09/2023	(129617) PERRY ENGLISH	25
677029	16/09/2021	16/09/2023	16/09/2023	(129617) PERRY ENGLISH	23
677705	21/09/2021	21/09/2023	21/09/2023	(129617) PERRY ENGLISH	20
677704	21/09/2021	21/09/2023	21/09/2023	(129617) PERRY ENGLISH	25
677703	21/09/2021	21/09/2023	21/09/2023	(129617) PERRY ENGLISH	13

Appendix B: KEY TERMS OF OPTION AGREEMENTS

Sundog Geology Option Agreement

Counterparty: Sundog Geology (Thomas John Fingas)

To acquire 100% interest of the claims listed in Appendix A.

Key Terms:

- C\$50,000 cash payment as option fee;
- C\$45,000 due on or before the first anniversary of entering the agreement (to exercise the option); and
- 1.0% Net Smelter Royalty ("NSR") with the option to repurchase 0.5% any time after the exercise of the options and prior to commencement of commercial production for C\$500,000

Gravel Ridge Option Agreement

Counterparty: Gravel Ridge (Perry English)

To acquire 100% interest of the claims listed in Appendix A.

Key Terms

- C\$50,000 cash payment as option fee;
- C\$20,000 due on or before the first anniversary of entering the agreement (to exercise the option);
- C\$28,000 due on or before the second anniversary of entering the agreement;
- C\$40,000 due on or before the third anniversary of entering the agreement; and
- 1.5% NSR with the option to repurchase 0.5% at any time for C\$600,000

Solstice Gold Corporation Option Agreement

Counterparty: Solstice Gold Corporation (CVE:SGC)

To acquire 100% interest of the claims listed in Appendix A.

Key Terms

- C\$60,000 cash payment as option fee;
- Three cash payments to exercise the option:
 - o C\$30,000 due on or before the first anniversary of entering the agreement (to exercise the option);
 - o C\$40,000 due on or before the second anniversary of entering the agreement;
 - o C\$50,000 due on or before the third anniversary of entering the agreement; and
- 1.5% NSR with the option to repurchase 0.5% at any time for C\$800,000