

DRILLING TO COMMENCE AT ROOT

HIGHLIGHTS

- **Early Exploration Agreements over Root signed with Slate Falls and Lac Seul First Nations.**
- **Trapline Agreement over Root signed with local indigenous owner.**
- **Exploration Permit for Root Project approved by MNM (Mines Department).**
- **Initial 24,000m diamond drilling program, split between McCombe and Morrison pegmatites.**
- **Dual focus: Mineral Resource definition plus extensional and step-out target drilling.**
- **Demonstrated down-dip continuity at McCombe with prior intercepts including 67m @ 1.75% Li₂O.**
- **Mapping suggests potential for extensive 7 km pegmatite west-east strike extent across Root.**
- **First drill rig on site, second mobilising; drilling to commence in August.**
- **Drilling of GT1's flagship Seymour Project continuing in parallel.**

Green Technology Metals Limited (**ASX: GT1**) (**GT1** or the **Company**) is pleased to announce all exploration agreements and permits have been approved and site activities at the Root Project have commenced in preparation for upcoming drilling. Root is located approximately 200 km west-north-west of GT1's flagship Seymour Project. Drilling of Seymour is set to continue in parallel with the commencement of drilling at Root.

"The Root area hosts numerous LCT pegmatites which were originally discovered in 1953 and confirmed with shallow drilling and assaying. All pegmatites were left open along strike and down dip. In 2016, Ardiden completed a short drill campaign targeting the McCombe pegmatites on the western side of Root. Returned intercepts confirmed high lithium grades and mineralised continuity down-dip, including 67m @ 1.75 Li₂O."

"The focus of our initial 24,000m drilling program at Root is twofold: rapid delineation of an initial Mineral Resource estimate plus stepping out from the known pegmatites to test new, high prospectivity targets. We look forward to working with our local partners to accelerate the advancement of the Root Project over the coming months."

- GT1 Chief Executive Officer, Luke Cox



Indigenous partnerships

GT1 acknowledges and respects all traditional custodians of the land on which we operate. As part of all our activities, including our exploration drilling programs, we commit to meaningful consultation with our indigenous partners and their representatives. We will continue to mitigate impact where possible and preserve the environment for current and future generations.

Two Early Exploration Agreements have been signed with Slate Falls and Lac Seoul First Nations, formally committing to a respectful and trusting relationship whilst exploring on their lands. Senior GT1 personnel, including CEO, Luke Cox, were recently welcomed into the Slate Falls community and Band Office where they interacted with members of the community, council, and local business owners.

During this site visit, GT1 learned that one of the community members had a trapline that traversed our exploration area. GT1 North American General Manager, Matt Herbert, respectfully reached out and access was negotiated and granted under a Trapline Agreement.

Root Project Exploration Target

The Exploration Target at the Root Project is based on historical mapping, sampling and drilling across the McCombe and Morrison pegmatite systems. **The Exploration Target for Root is 20 to 24 Mt @ 0.8 to 1.5% Li₂O.**

The potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

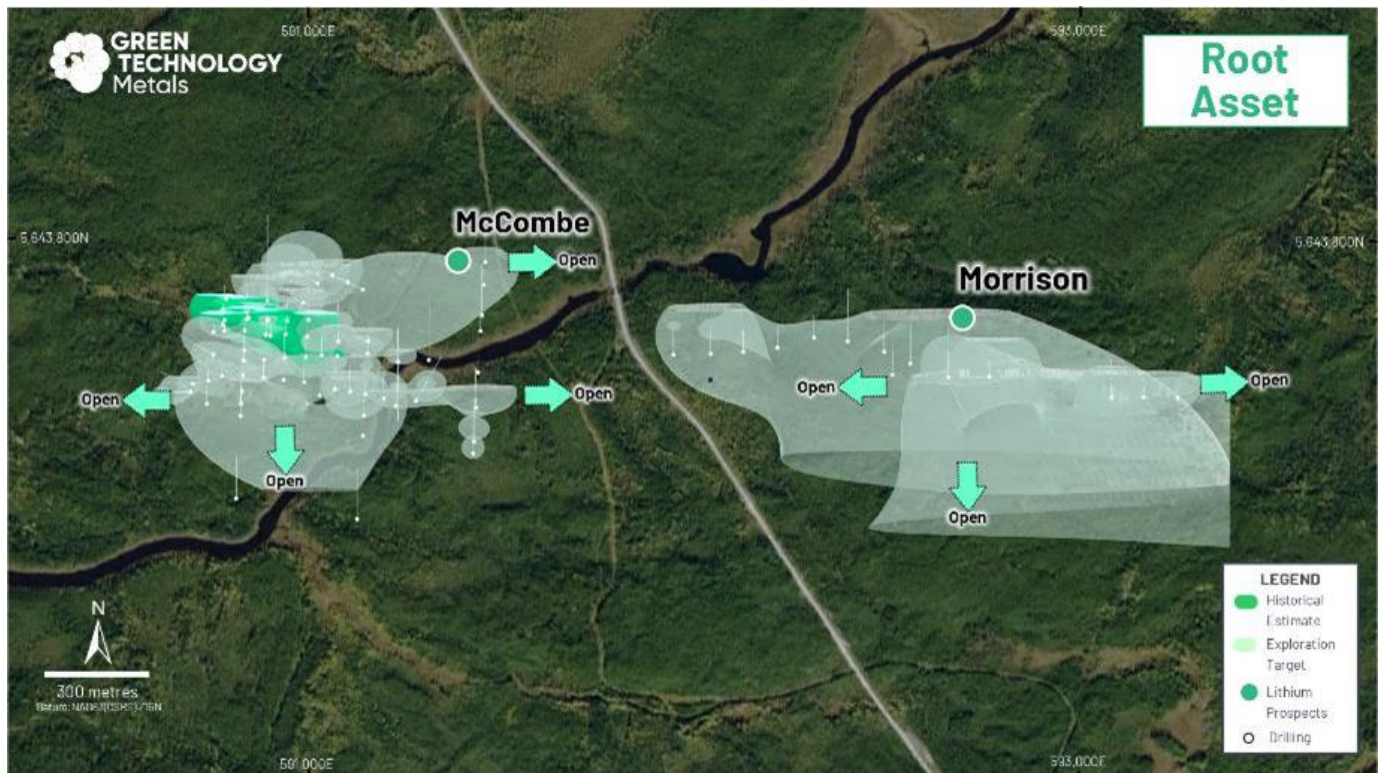


Figure 1: Exploration Targets at McCombe and Morrison

Preparatory site activities and maiden Root drilling program

Site activities at Root have commenced, including the construction of an all-weather camp enabling access and exploration activity year-round.

G4 Drilling has already mobilised one diamond rig to site, and another rig is set to follow once the camp is operational. Drilling is planned to ramp-up from single shift to double shift. The initial 24,000m program has been based on two diamond rigs, double-shifting, to deliver a target combined monthly drilling rate of 3,000m.



Figure 2: LCT pegmatite (spodumene) outcrop at Root Bay Prospect

The priority targets are located at McCombe and Morrison, both hosting LCT pegmatites and historical mapping, sampling, drilling and assays.

McCombe

McCombe is the more advanced with the most recent drilling completed by Ardiden Limited in 2016. Six holes were drilled intersecting numerous pegmatites generally dipping to the south and striking east-west. This drilling both confirmed historical drill results and also demonstrated the down dip continuity of the lithium mineralisation with a key extensional intercept of 67m @ 1.75% Li₂O returned (see GT1 ASX release dated 8 November 2021, *Prospectus*).

Initial drilling at McCombe will seek to extend the mineralised pegmatites in all directions, infill key sections and delineate a maiden Mineral Resource estimate.

Morrison

Morrison has not received any recent drilling; however detailed surface mapping was performed in 2018 which was then followed up by GT1 in October 2021. Step-out mapping along strike and to the north successfully located additional pegmatites and drilling targets.

Initial drilling at Morrison will build upon historical drilling to develop the east-west striking pegmatites that dip to the south. The strike extent currently exceeds 500m and mapping suggests the pegmatites could connect west to McCombe and east to Root Bay across approximately 7 km. Historical drilling has shown the pegmatites pinch and swell, duplicate and bifurcate along strike and down dip, so tight geological control will be paramount.

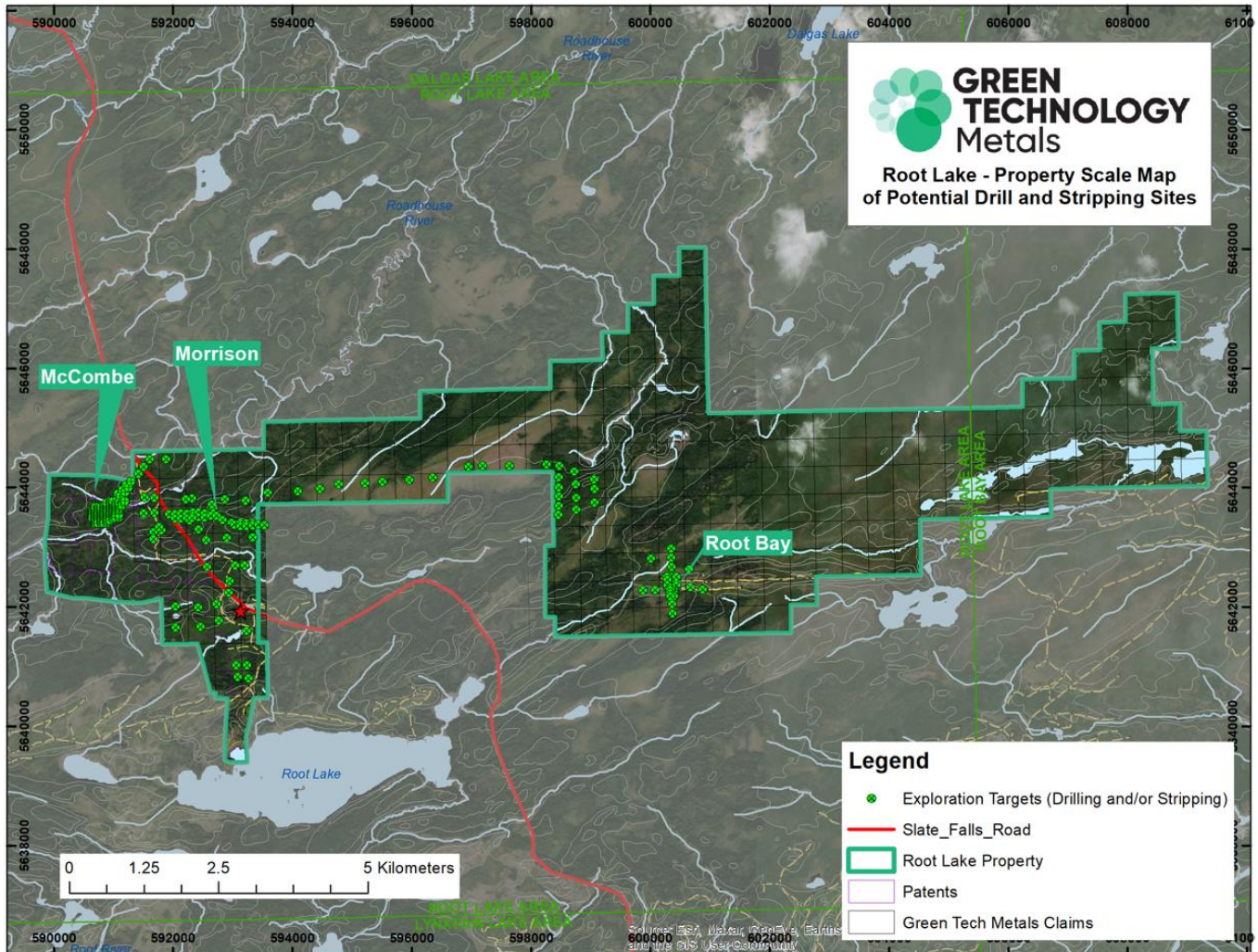


Figure 3: Claims, Drill targets (green) all have 200m clearing allowance, Main Artery Road (red), access tracks (yellow)

Field exploration activities

The Root exploration area was substantially expanded to the north-east when GT1 picked up an additional 2,991 ha of Greenstone belt (which acts as the local host to LCT pegmatites) in early 2022.

Field exploration crews are now planned to move west to east across this tenure over coming months, geologically mapping and prospecting for LCT pegmatites, including utilising the recently acquired portable XRF and Raman Spectrometer for instant elemental and mineralogical analysis.

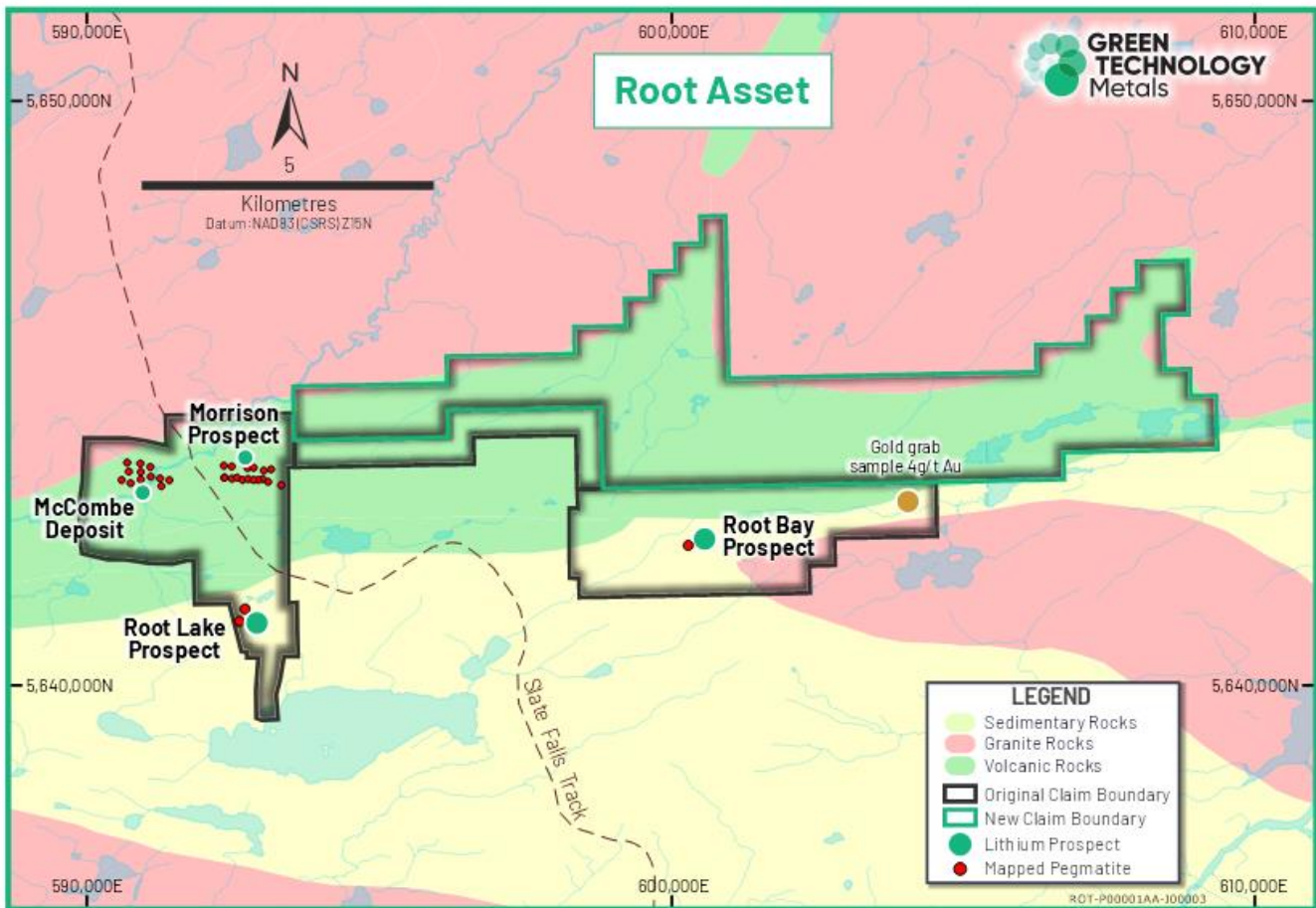


Figure 5: Original and recently acquired exploration claims for Root

Early this year, GT1 also commissioned a Helimag survey over all its western claims. This has recently been completed and raw data interpretation is underway by Southern Geoscience in Perth. The magnetic survey will be overlaid on known LCT pegmatites in the area, so that fertile signatures can be delineated and exploration targets determined for field verification this season.

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

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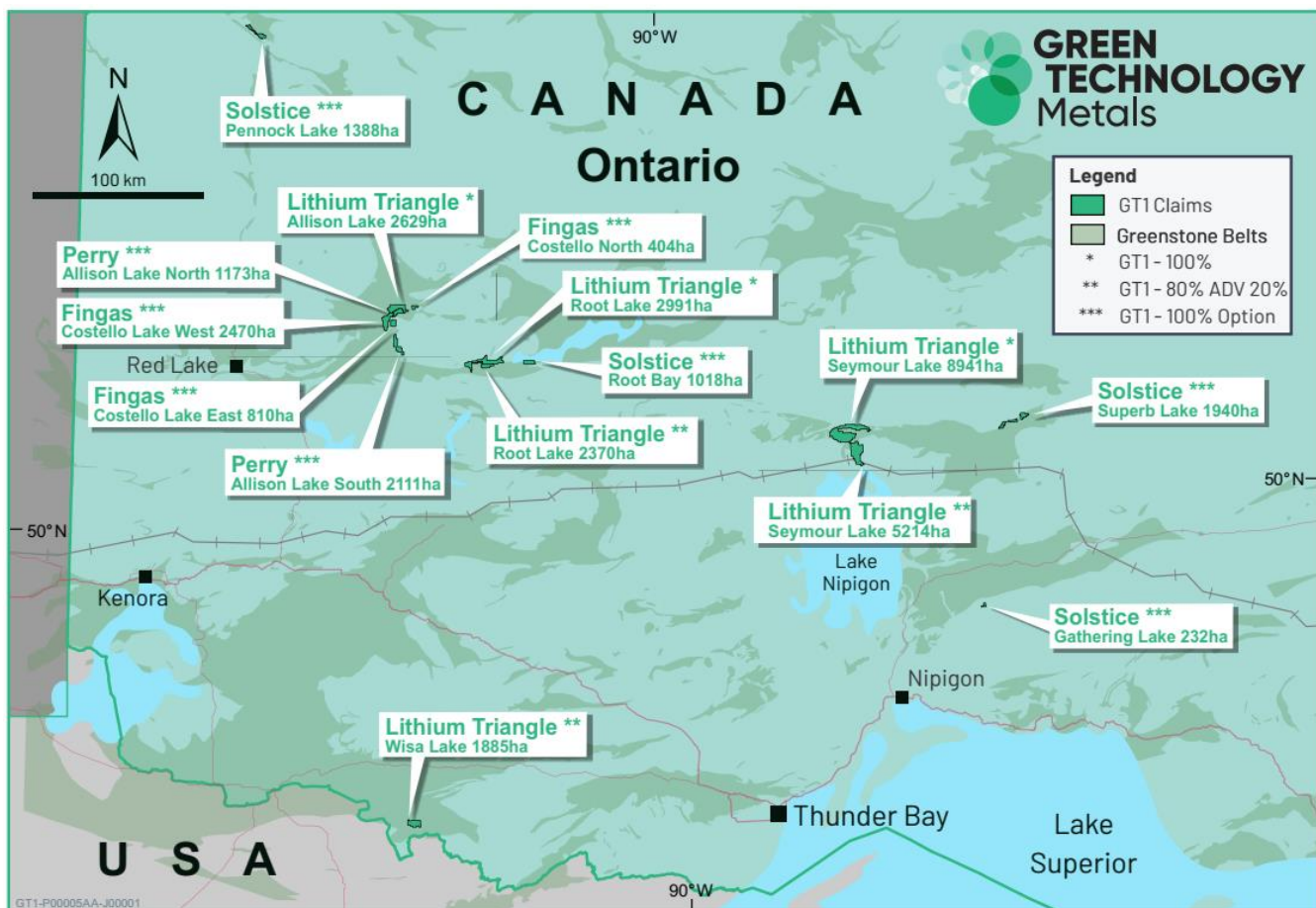
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Green Technology Metals (ASX:GT1)

GT1 is a North American focussed lithium exploration and development business. The Company's Ontario Lithium Projects comprise high-grade, hard rock spodumene assets (Seymour, Root and Wisa) and lithium exploration claims (Allison and Solstice) located on highly prospective Archean Greenstone tenure in north-west 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 9.9 Mt @ 1.04% Li₂O (comprised of 5.2 Mt at 1.29% Li₂O Indicated and 4.7 Mt at 0.76% Li₂O Inferred). Accelerated, targeted exploration across all three projects delivers outstanding potential to grow resources rapidly and substantially.



The Company holds an 80% interest in the Ontario Lithium Projects (Seymour, Root and Wisa) under a joint venture with Ardenid Limited (ASX: ADV).

For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 23 June 2022, *Interim Seymour Mineral Resource Doubles to 9.9Mt*. 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 this estimate continue to apply and have not materially changed.

APPENDIX A: IMPORTANT NOTICES

Competent Person's Statements

Information in this report relating to Exploration Results is based on information reviewed by Mr Luke Cox (Fellow AusIMM). Mr Cox has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Cox consents to the inclusion of the data in the form and context in which it appears in this release. Mr Cox is the Chief Executive Officer of the Company and holds securities in the Company.

Information in this report relating to Mineral Resource Estimation is based on information reviewed by Mr John Winterbottom (Member AIG). Mr Winterbottom has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Winterbottom consents to the inclusion of the data in the form and context in which it appears in this release. Mr Winterbottom is the General Manager of Technical Service for the Company and holds securities in the Company.

Forward Looking Statements

Certain information in this document refers to the intentions of Green Technology Metals Limited (ASX: GT1), however these are not intended to be forecasts, forward looking statements or statements about the future matters for the purposes of the Corporations Act or any other applicable law. Statements regarding plans with respect to GT1's projects are forward looking statements and can generally be identified by the use of words such as 'project', 'foresee', 'plan', 'expect', 'aim', 'intend', 'anticipate', 'believe', 'estimate', 'may', 'should', 'will' or similar expressions. There can be no assurance that the GT1's plans for its projects will proceed as expected and there can be no assurance of future events which are subject to risk, uncertainties and other actions that may cause GT1's actual results, performance or achievements to differ from those referred to in this document. While the information contained in this document has been prepared in good faith, there can be given no assurance or guarantee that the occurrence of these events referred to in the document will occur as contemplated. Accordingly, to the maximum extent permitted by law, GT1 and any of its affiliates and their directors, officers, employees, agents and advisors disclaim any liability whether direct or indirect, express or limited, contractual, tortious, statutory or otherwise, in respect of, the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and do not make any representation or warranty, express or implied, as to the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and disclaim all responsibility and liability for these forward-looking statements (including, without limitation, liability for negligence).