

# *Fuelling the Future*



*Presentation to the  
2022 Annual General Meeting  
9 November 2022*

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**ST GEORGE MINING LIMITED**  
ACN 139 308 973 ASX: SGQ

# Project Portfolio

## Tier one location

### Mt Alexander

- High-grade Ni-Cu-PGEs discoveries
- Pegmatite-hosted lithium in new lithium province

### Paterson

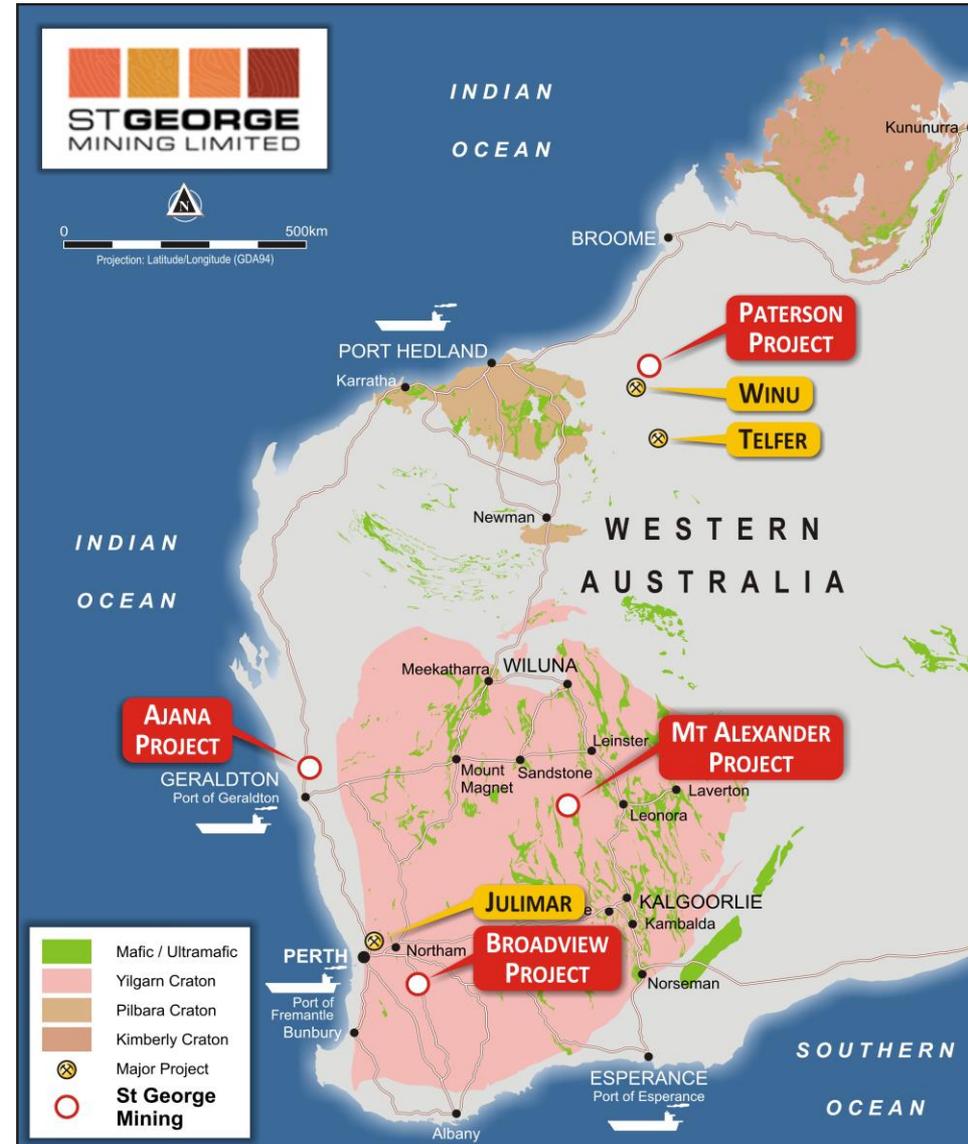
- Prospective for copper-gold mineralisation
- Maiden diamond drilling confirms mineralising process with assays pending

### Ajana

- Large layered mafic intrusion interpreted from magnetics
- Prospective for Ni-Cu-PGEs

### Broadview

- Two large interpreted intrusions
- Prospective for Ni-Cu-PGEs



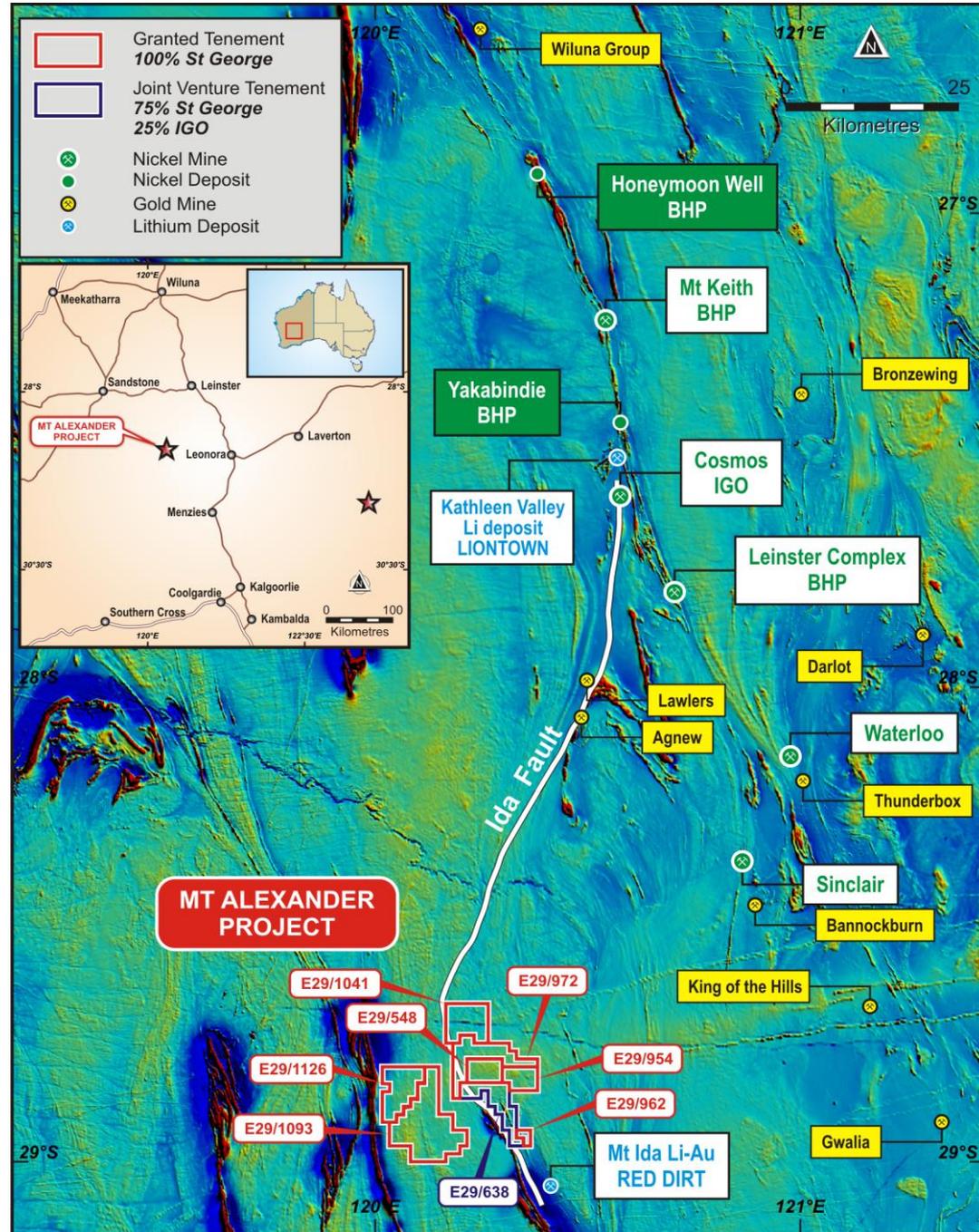
# Mt Alexander

## Ni-Cu-PGEs and Lithium

### Excellent address:

- Tier 1 mining jurisdiction Western Australia
- **Nickel:** Neighbouring major nickel operations, including BHP's flagship nickel mines and IGO's Cosmos mine
- **Lithium:** Along strike from new lithium discoveries by Red Dirt Metals (ASX: RDT) and Liontown's (ASX: LTR) Kathleen Valley lithium deposit
- Established mining region with access to existing infrastructure, roads and power
- Clear pathway to market

*About the Project: St George Mining Limited holds 100% of all the Mt Alexander tenements with the exception of E29/638, which is held in joint venture by St George (75%) and IGO Limited (25%). St George is the Manager of the Project, with IGO retaining a 25% non-contributing St George in the Project until a decision to mine.*



# New Lithium Province

*Lithium charges ahead in 2022*

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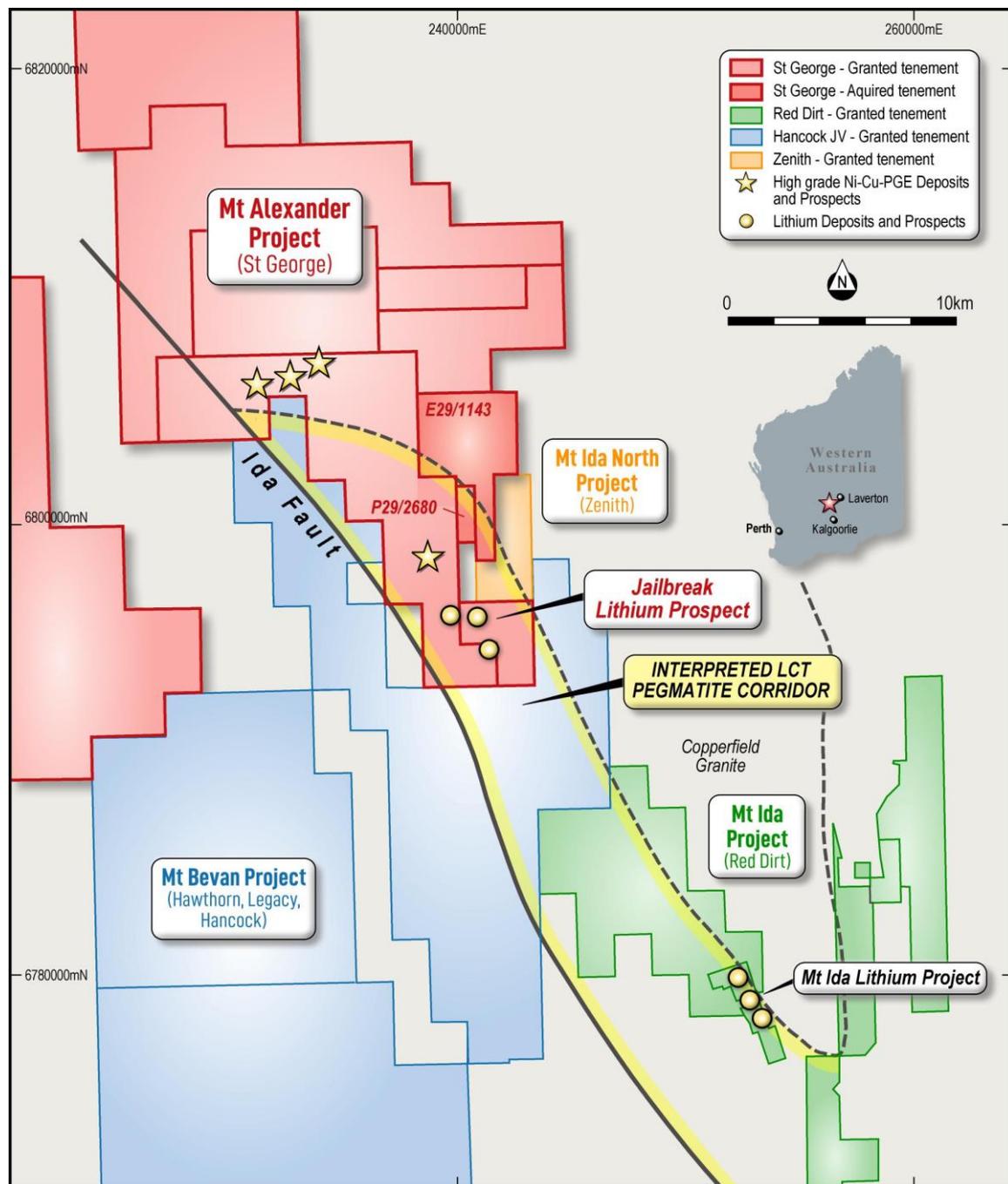
Red Dirt Metals (ASX: RDT) recently announced a significant lithium resource – see ASX Release by Red Dirt dated 19 October 2022 **Mt Ida Maiden Lithium Resource 12.7Mt @ 1.2% Li<sub>2</sub>O**

Pegmatite corridor parallel to Copperfield Granite – the source of the lithium-bearing pegmatites - extends north from Red Dirt's Mt Ida Project into St George's ground

+15km of pegmatite corridor across St George's Mt Alexander Project

St George further strengthens landholding with recent acquisition

Previously unexplored for lithium with outstanding potential for more discoveries



# Mt Alexander

## Unlocking the lithium potential



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Field mapping and rock chip sampling focused on east-west striking pegmatite dykes at the Jailbreak Prospect

Laboratory assays confirm numerous samples with high-grade lithium, caesium, tantalum and rubidium from outcrop upto 20m thick and covering an area 1.7km north-south and more than 3km east-west

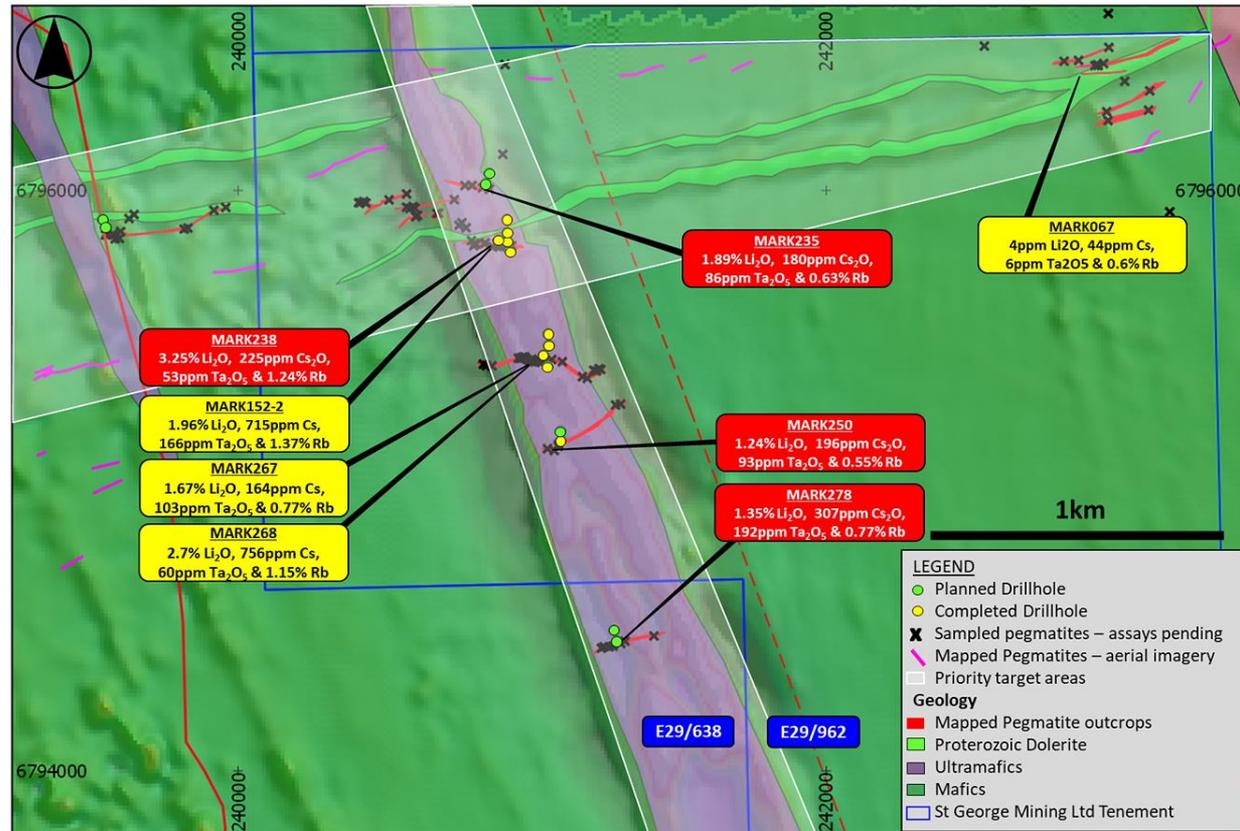
Assays – up to **3.25% Li<sub>2</sub>O**, **715ppm Cs<sub>2</sub>O**, **192ppm Ta<sub>2</sub>O<sub>5</sub>** and **1.37% Rb**

Maiden drill programme underway to test down-dip continuity of outcrop at six pegmatite dykes

Early results confirm thick pegmatites below surface with both RC and diamond drilling in progress

Assays for more than 100 rock chip samples are pending

Assays for soil survey over area with poorly exposed pegmatite outcrop are pending



# Mt Alexander - Nickel

2022 – a new perspective



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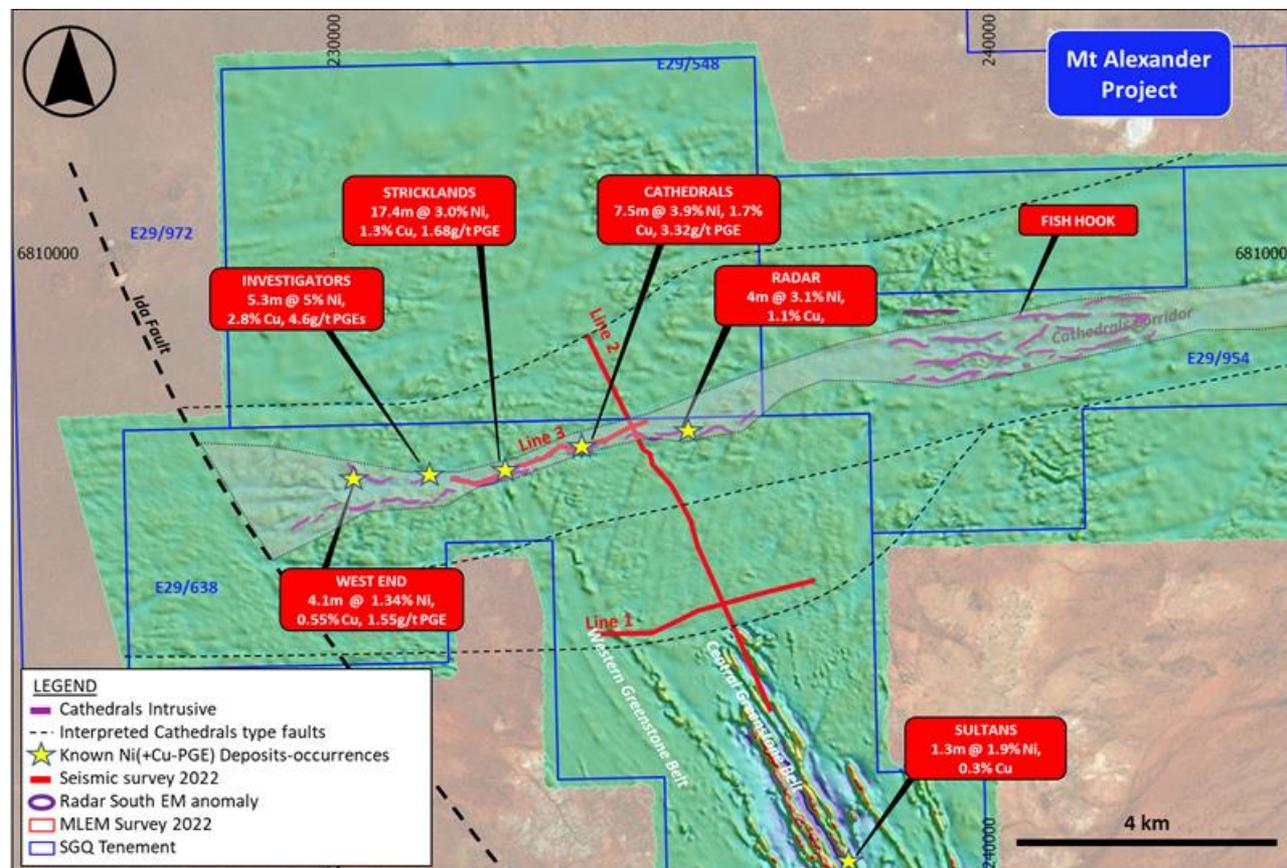
- Four near-surface, high-grade discoveries over a 5.5km strike of the east-west trending Cathedrals Belt – potential for mineralisation deeper and along strike

- Discoveries also made in the north-south trending Mt Alexander Belt which extends for more than 7km and is underexplored

- Seismic and EM surveys over unexplored and underexplored areas

- New nickel targets identified in the granite/greenstone contact – not previously explored

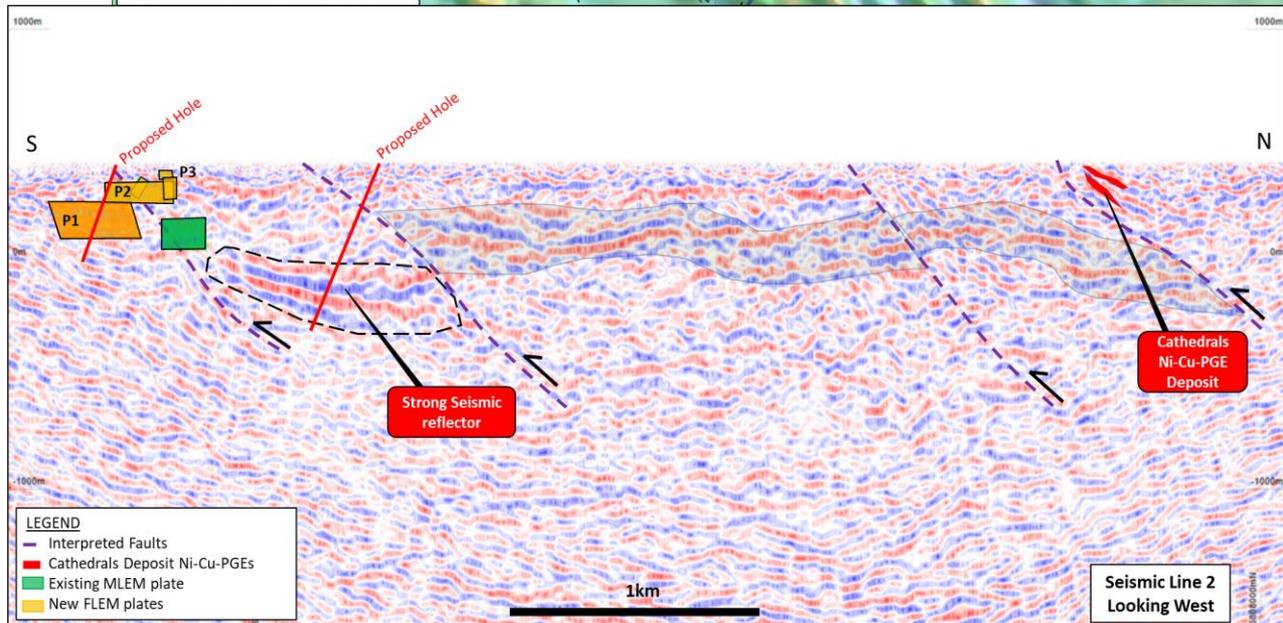
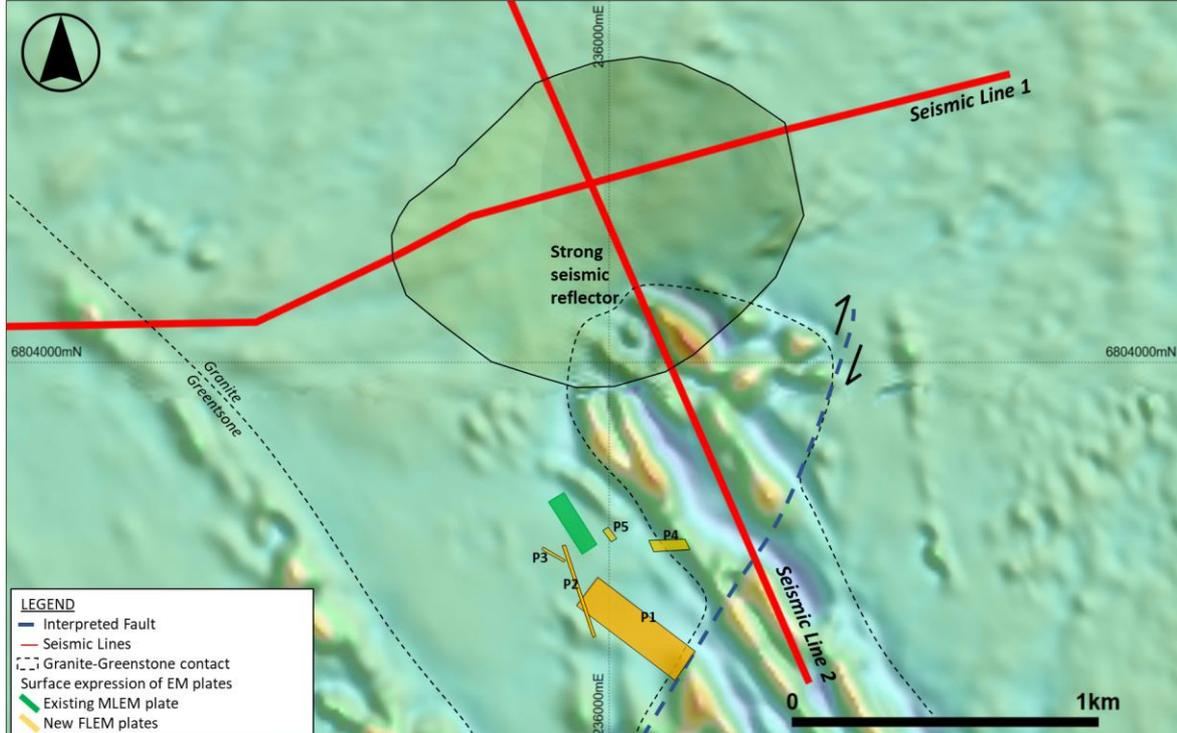
- Similar geological setting to the Flying Fox discovery at Forrestania



# New nickel targets

## Geophysics delivers again

- 5 new EM conductors
- Priority target is a late-time EM conductor modelled with conductivity of 7,650 Siemens and a plate 200m x 400m
- Approx. 200m below surface and thick granites that have intruded the greenstone belt
- Conductors are proximal to a large reflective body (>800m) recorded in the seismic survey



Top right: map of the Mt Alexander Project (against magnetic RTP 1VD) showing the recent seismic survey lines and MLEM survey areas.

Bottom right: seismic data (looking west) highlighting the strong reflector and adjacent plate. Planned drill holes are also shown.

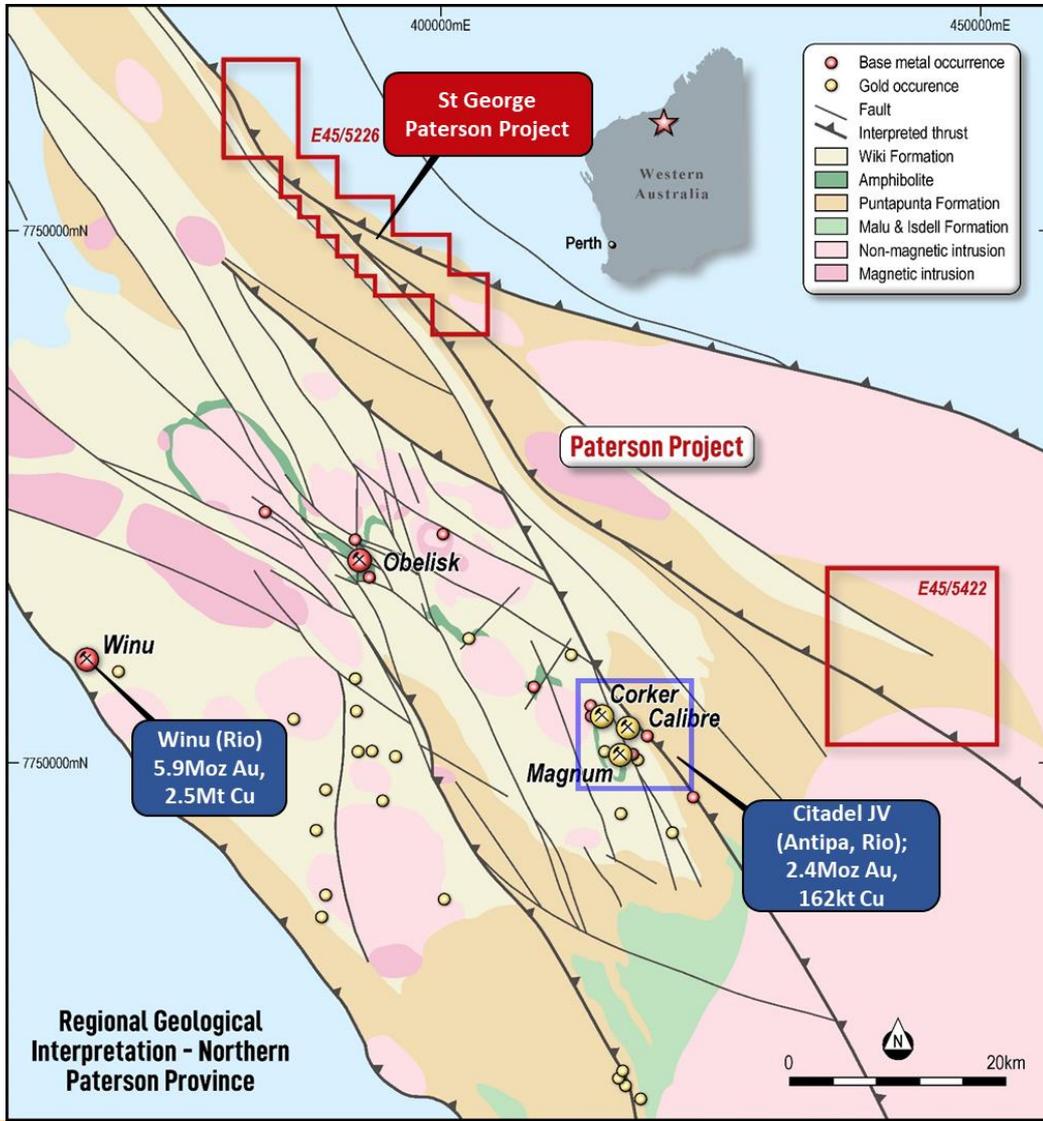
# Paterson Project

*Encouraging early drill results*



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- Maiden diamond drilling programme completed with assays pending
- Eight drill holes were successfully completed for 2,133.9m drilled.
- All diamond drill holes intersected meta-sediments including sandstone, siltstone and carbonate-rich sediments with pervasive intrusions of granite and amphibolite intruding the stratigraphic package
- Drill core for the completed holes shows locally intense alteration and hydrothermal veining with multiple zones of sulphides
- These features are evidence of hydrothermal and mineralising processes and support the potential of mineralisation at the Paterson Project



Right: regional geological interpretation and major deposits of the northern Paterson Province.

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# Ajana Project

*Underexplored ground in fertile mineral district*

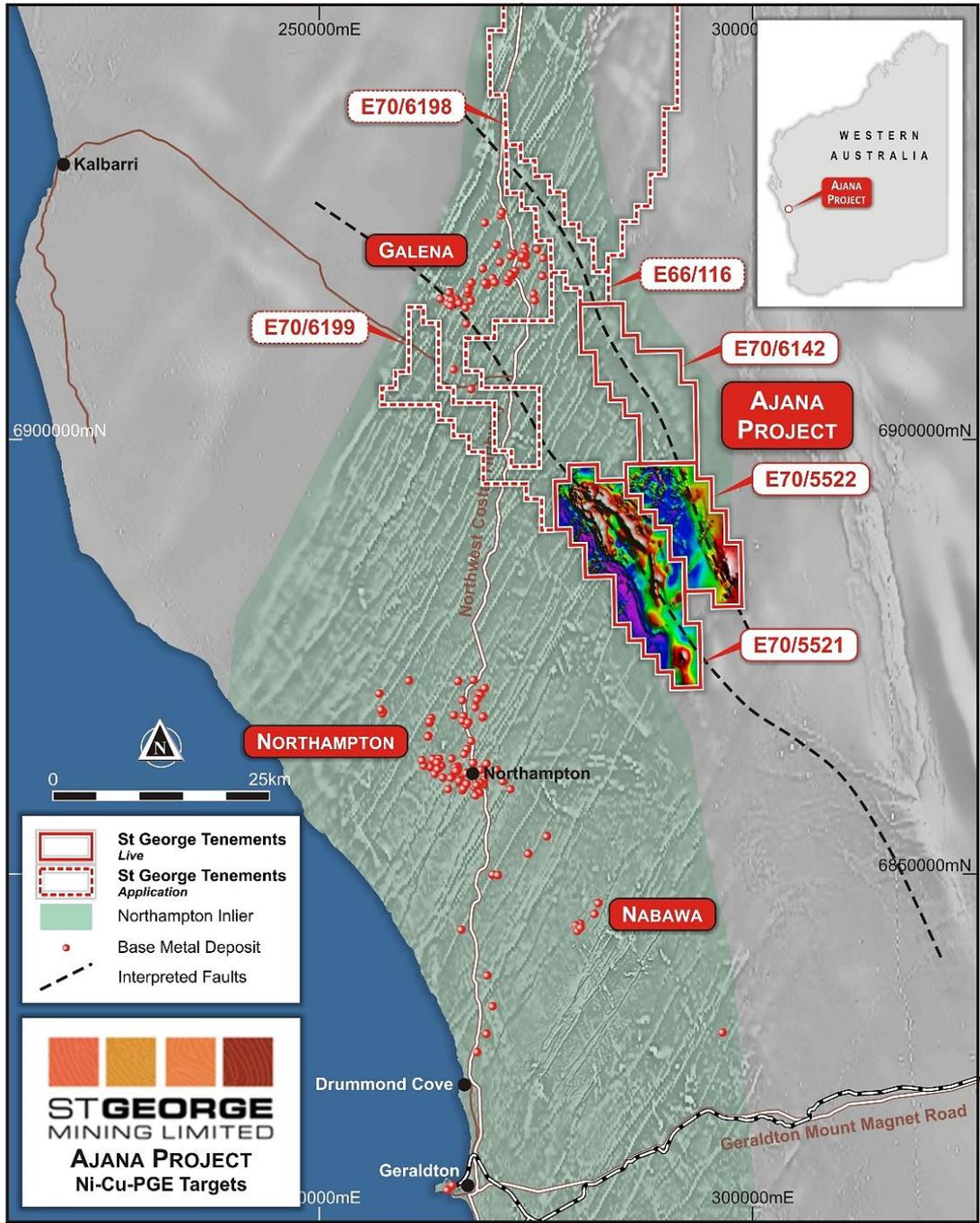
Located in the Northampton mineral field where extensive mining of near surface base metals deposits occurred during 1850 to 1973

Near the western margin of the Yilgarn, an area of strong exploration activity following the discovery of Chalice Mining's Julimar deposit in the western Yilgarn

Three granted exploration licences and three licences in application covering a total of 930 sq km (100% St George)

Modern techniques, including the latest geophysical surveys, have the potential to identify blind deposits

New magnetic data indicates a late-stage, potentially layered mafic intrusion – prospective to host significant Ni-Cu-PGEs



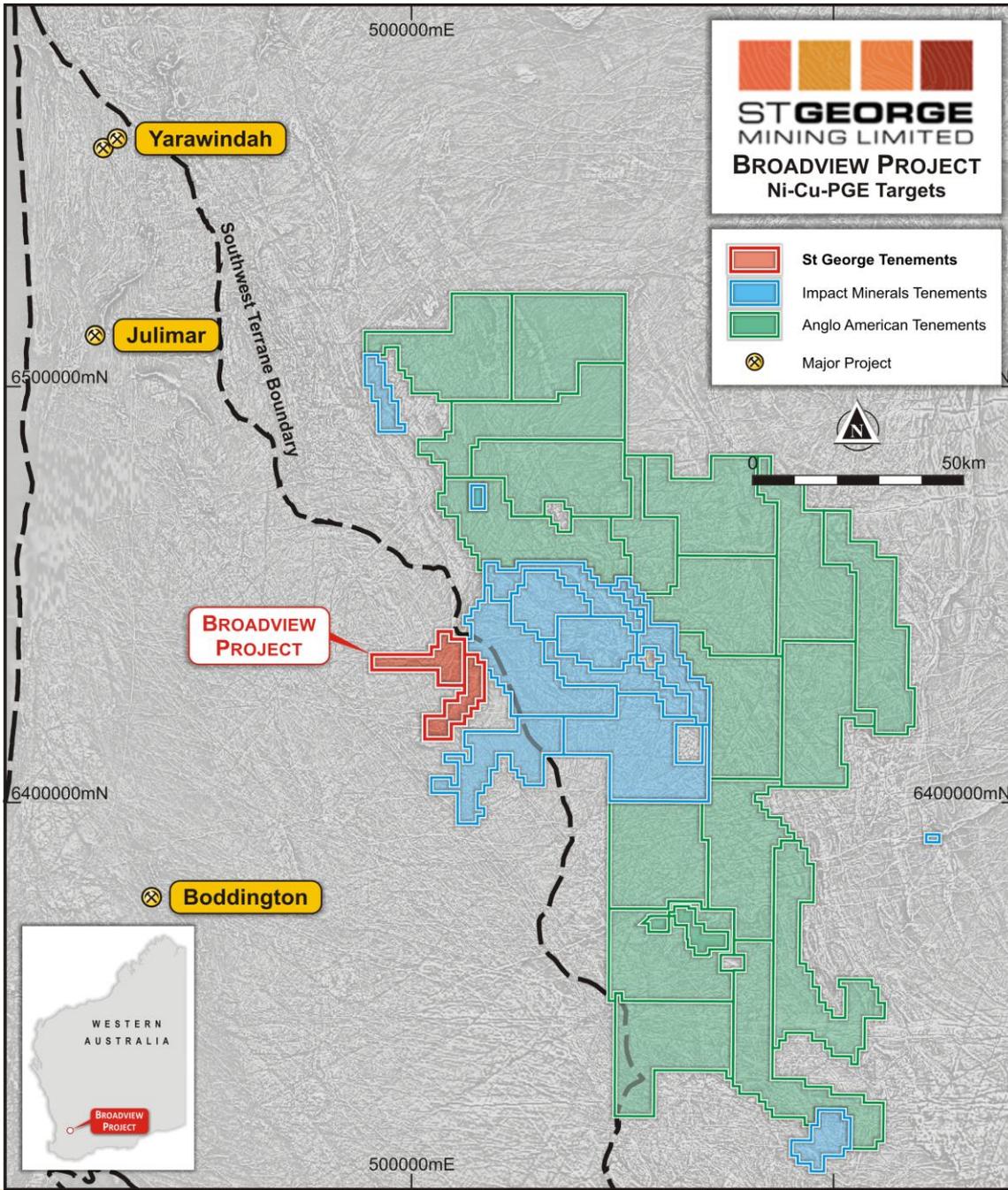
# Broadview Project

## Emerging mineral province

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- Located in Western Australia's Wheatbelt, approximately 150km east of Perth
- Two exploration licences (100% St George) covering two large interpreted mafic intrusives – each +25km long – adjacent to the boundary of the South West Terrane
- The boundary of the South West Terrane hosts Chalice's Julimar discovery, located to the north-west of Broadview
- Anglo American and Impact Minerals have major projects underway to the east of Broadview

Map of the Broadview Project tenements overlaying magnetic data and highlighting interpreted mafic intrusives. Inset shows regional location adjacent to Impact Mineral's and Anglo's extensive tenement holdings.



# Major Drill Programmes

## *Drilling in progress*

- Diamond and reverse circulation (RC) drilling underway at Mt Alexander
- Drilling will focus on:
  - testing new targets for Ni-Cu-PGE discoveries
  - testing new targets for lithium discoveries
- Potential to deliver substantial value for shareholders



***Photo: Drill core from metallurgical hole STD014 at Stricklands showing massive nickel-copper sulphides***

# Corporate Overview

*Expertise to create value for shareholders*



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**Market Capitalisation  
(8 Nov 2022)**

**\$52m**

**Top 20 Shareholders**

**21%**

**Directors &  
Management**

**5%**

**Cash (30 Sept 2022)**

**\$1.9m**

**Listed Shares**

**700,017,808**

**Listed Options**

**Nil**

**Share Price (8 Nov 2022)**

**\$0.075**

**Debt**

**Nil**

## Directors and Management – Vision and Experience for Success

**John PRINEAS, Executive Chairman** – founding shareholder with over 25 years experience in mining, and the banking and legal sectors servicing the resources industry.

**John DAWSON, Non-Executive Director** – over 30 years in the finance and mining sectors where he occupied very senior roles with global investment banks Goldman Sachs and Dresdner Kleinwort Wasserstein.

**Sarah SHIPWAY, Non-Executive Director/Company Secretary** – Chartered Accountant with extensive experience in advising listed exploration companies.

**Julian HANNA, General Manager – Growth and Development** – over 35 years experience in exploration, development, mining and corporate growth. Former Managing Director of nickel miner Western Areas and copper explorer MOD Resources, both delivering new discoveries and growth during his leadership.

**Charles WILKINSON, Technical Consultant** – over 35 years as a geologist with 16 years at WMC including as Exploration Manager - Nickel. Joined Western Areas in 2008 as General Manager Exploration. During his 9 years at WSA, it grew its resource inventory to become Australia's No. 1 independent nickel sulphide producer.

**Dave MAHON, Exploration Manager** – joined St George in 2018 and has supervised all exploration at Mt Alexander and our Paterson Project. Gained specialist nickel sulphide expertise working with Western Areas as a mine geologist and project exploration geologist.

*Discovery and growth opportunities  
across multiple projects*

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# Forward looking statements and disclosures



The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Dave Mahon, a Competent Person who is a Member of The Australian Institute of Geoscientists. Mr Mahon is a full-time employee of St George Mining Limited to provide technical advice on mineral projects and holds performance rights in the Company.

This ASX announcement contains information extracted from the following reports which are available on the Company's website at [www.stgm.com.au](http://www.stgm.com.au):

- 216 August 2021 Drilling Underway at Mt Alexander
- 18 August 2021 Field of EM Conductors at Mt Alexander
- 13 September 2021 Drilling of New Targets at Mt Alexander
- 14 October 2021 Diamond Drilling Underway at Mt Alexander
- 1 December 2021 Seismic Results Unlock Stand-Out Targets
- 9 December 2021 Seismic Delivers Another Standout Target at Mt Alexander
- 10.March.2022 Strong Metallurgical Results for Mt Alexander
- 29 March 2022 Exploration Update - Mt Alexander
- 31 March 2022 Expansion Drill Programme – Mt Alexander
- 12 April 2022 Expansion Drill Programme – Mt Alexander
- 3 May 2022 Step Up in Exploration for St George
- 25 May 2022 St George Commences Drilling at the Paterson
- 23 June 2022 Exploration Update for St George Mining
- 13 July 2022 Drilling Update for Paterson Project
- 1 September 2022 New Nickel Targets at Mt Alexander
- 7 September 2022 Significant Lithium Potential at Mt Alexander
- 20 September 2022 Significant Expansion of Lithium Potential
- 5 October 2022 Nickel Targets Confirmed at Mt Alexander
- 12 October 2022 High-Grade Lithium Confirmed at Mt Alexander
- 25 October 2022 Lithium Drilling Underway at Mt Alexander
- 4 November 2022 *Drilling Intersects Pegmatites with Visible Lithium*
- 7 November 2022 *St George Increases Lithium Landholding*

The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in any original market announcements referred to in this report and that no material change in the results has occurred. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

## Disclaimer

Certain statements contained in this presentation, including information as to the future financial or operating performance of St George Mining Limited (ASX:SGQ) and its projects, are forward looking statements:

- may include, among other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by St George Mining, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

St George Mining disclaims any intent or obligation to update publicly any forward-looking statements, whether as a result of new information, future events or results or otherwise. The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward looking statements.

All forward looking statements made in this presentation are qualified by the foregoing cautionary statements. Investors are cautioned that forward looking statements are not guarantees of future performance and investors are cautioned not to put undue reliance on forward looking statements due to the inherent uncertainty therein.