



Flynn Gold

WA Gold-Lithium Projects Presentation

April 2022

Exploring for gold and lithium in Pilbara Region, Western Australia

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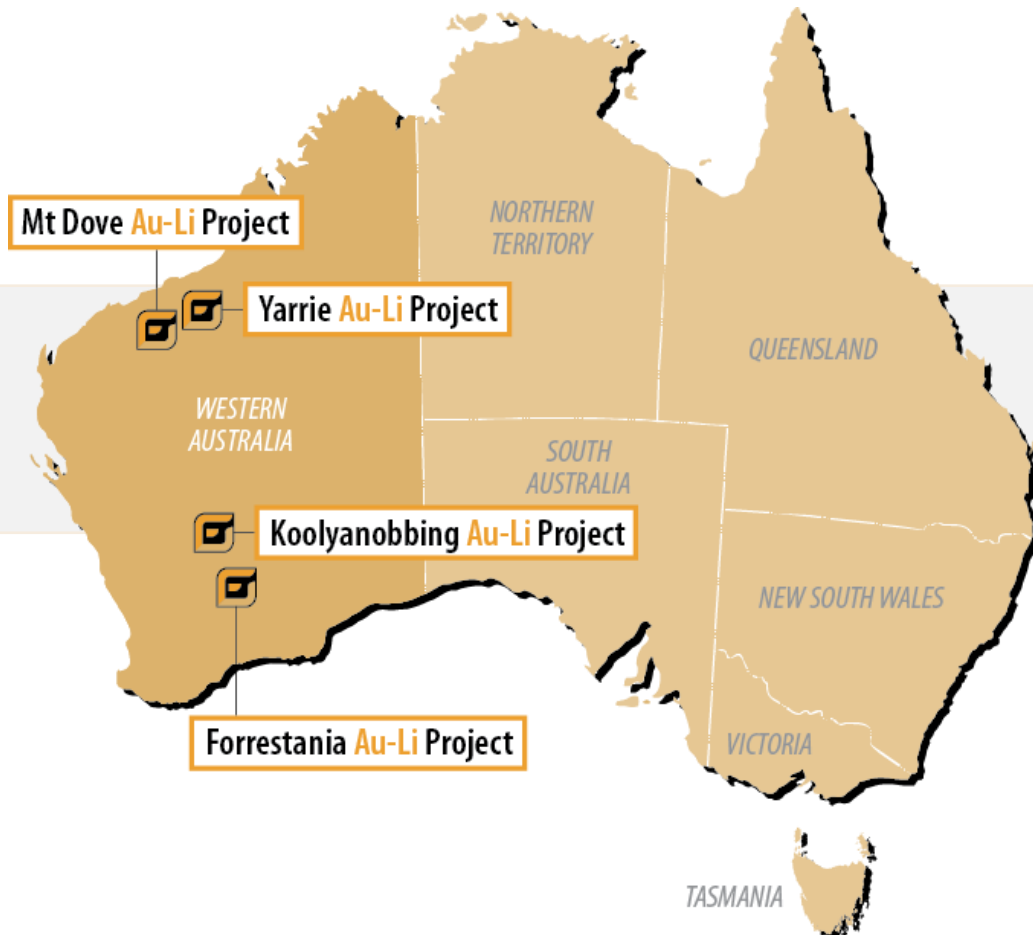
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Flynn Gold – WA Gold-Lithium Projects

Flynn Gold is an Australian explorer building a strategic gold-lithium and gold portfolio in Western Australia, targeting hard rock lithium pegmatites and intrusive related gold deposits.

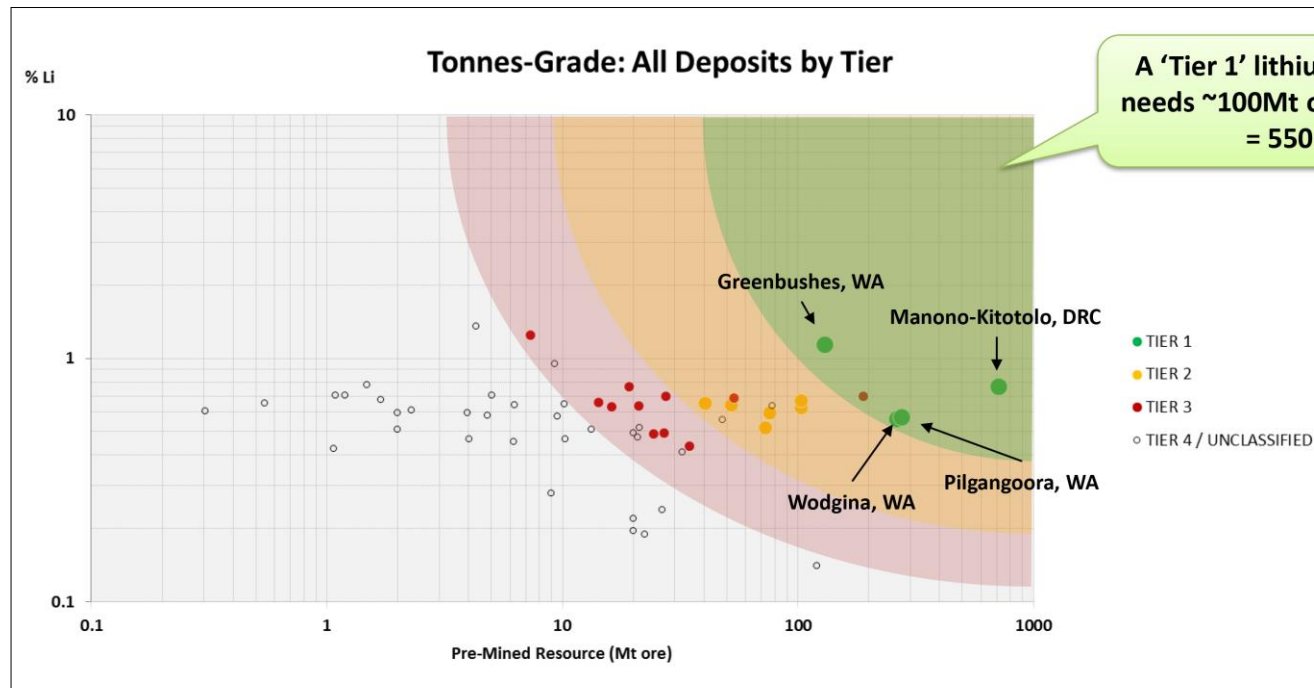


The Project portfolio includes a 100% interest in:

- Mt Dove Au-Li Project
 - Yarrie Au-Li Project
 - Koolyanobbing Au-Li Project
 - Forrestania Au-Li Project
- 1,232km² of Au-Li exploration tenure secured in early 2022
 - Strategy to continue to grow the quality and footprint of Flynn's portfolio of projects during 2022



Flynn Gold – WA Gold-Lithium Projects



Source: Graph: A Global View of the geology and economics of Lithium Production, J. Sykes, 2019, MinEx Consulting

Table: DMIRS, GSWA Lithium Flyer September 2020

Western Australia has a strategic advantage in the global demand for lithium

Lithium resources ranked by contained Li₂O (kt)

Resources estimated according to JORC 2012

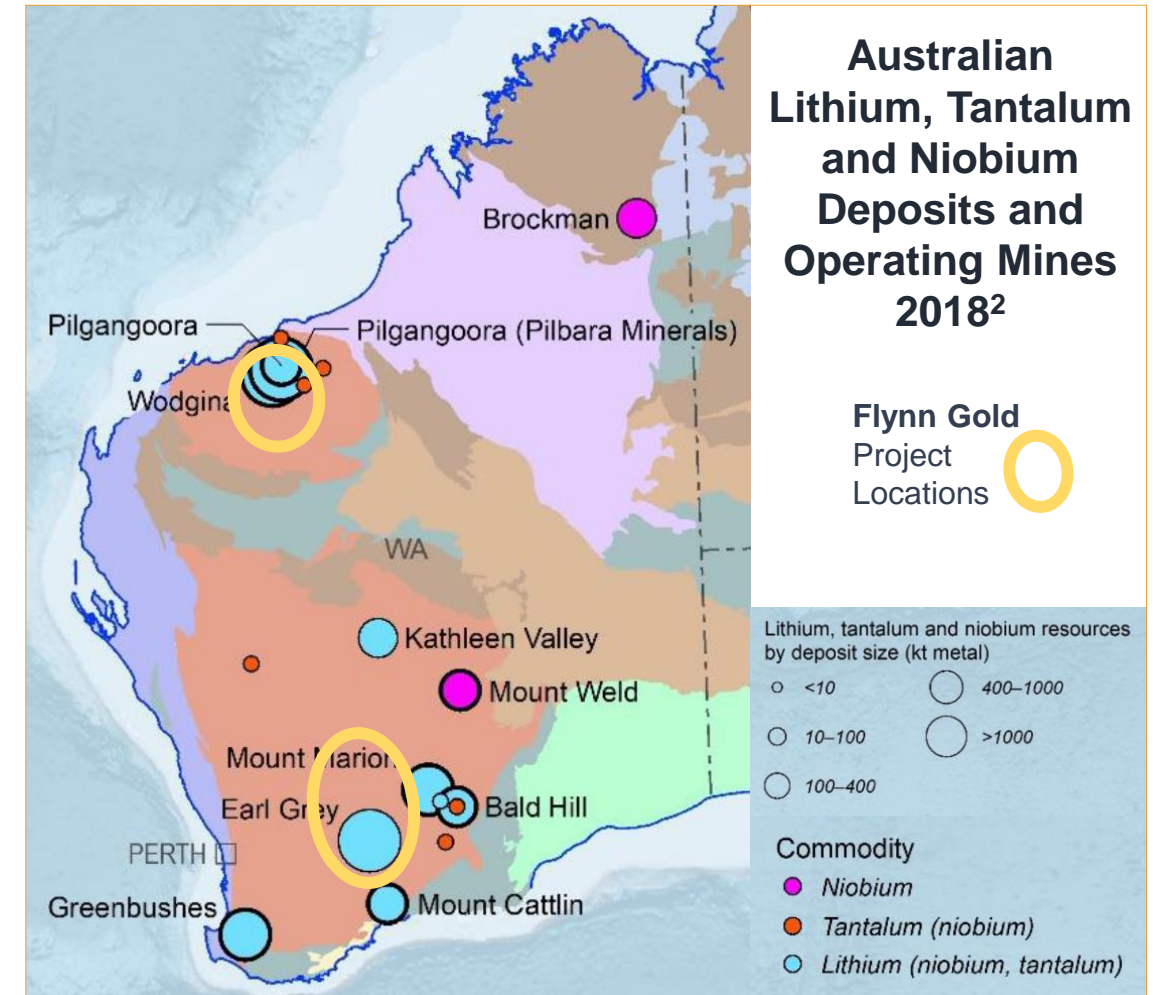
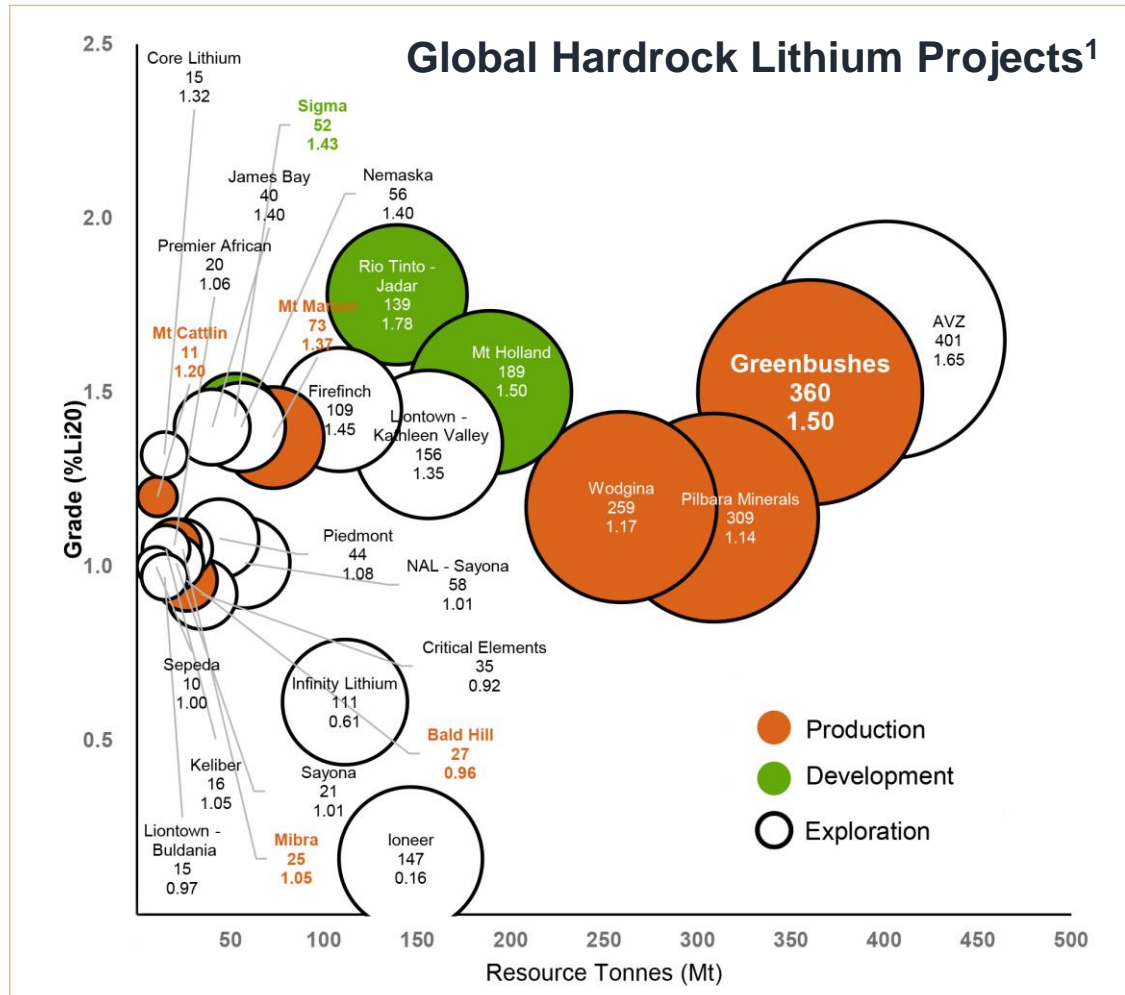
Project	Status	Owner	Resources (Mt)	Av. grade Li ₂ O (%)	Contained Li ₂ O (kt)	Resource date
Greenbushes	Operating	Albemarle Corporation / Tianqi Lithium / IGO	196.8	1.90	3748	31/03/2018
Pilgangoora	Operating	Pilbara Minerals	309.0	1.14	3506	30/06/2021
Wodgina	Exploration	Albemarle Corporation / Mineral Resources	259.2	1.17	3032	23/10/2018
Mt Holland	Feasibility	Sociedad Química Y Minera De Chile S.A. / Wesfarmers	189.0	1.50	2843	19/03/2018
Kathleen Valley	Feasibility	Liontown Resources	156.0	1.35	2100	31/03/2021
Mt Marion	Operating	Orocobre	72.9	1.37	995	01/07/2019
Bald Hill [^]	Feasibility	Alita Resources	26.5	0.97	256	30/04/2018
Buldanía	Exploration	Liontown Resources	15.0	0.97	145	08/11/2019
Pioneer Dome	Exploration	Essential Metals	11.2	1.22	136	29/09/2020
Mt Cattlin	Operating	Orocobre	11.0	1.20	132	31/03/2021
Marble Bar	Exploration	Global Lithium Resources	10.5	1.00	105	12/10/2020
TOTAL			1257.1		16 998	

Resource estimates have been rounded
All resources are associated with pegmatites
[^] Resource pre-dates production

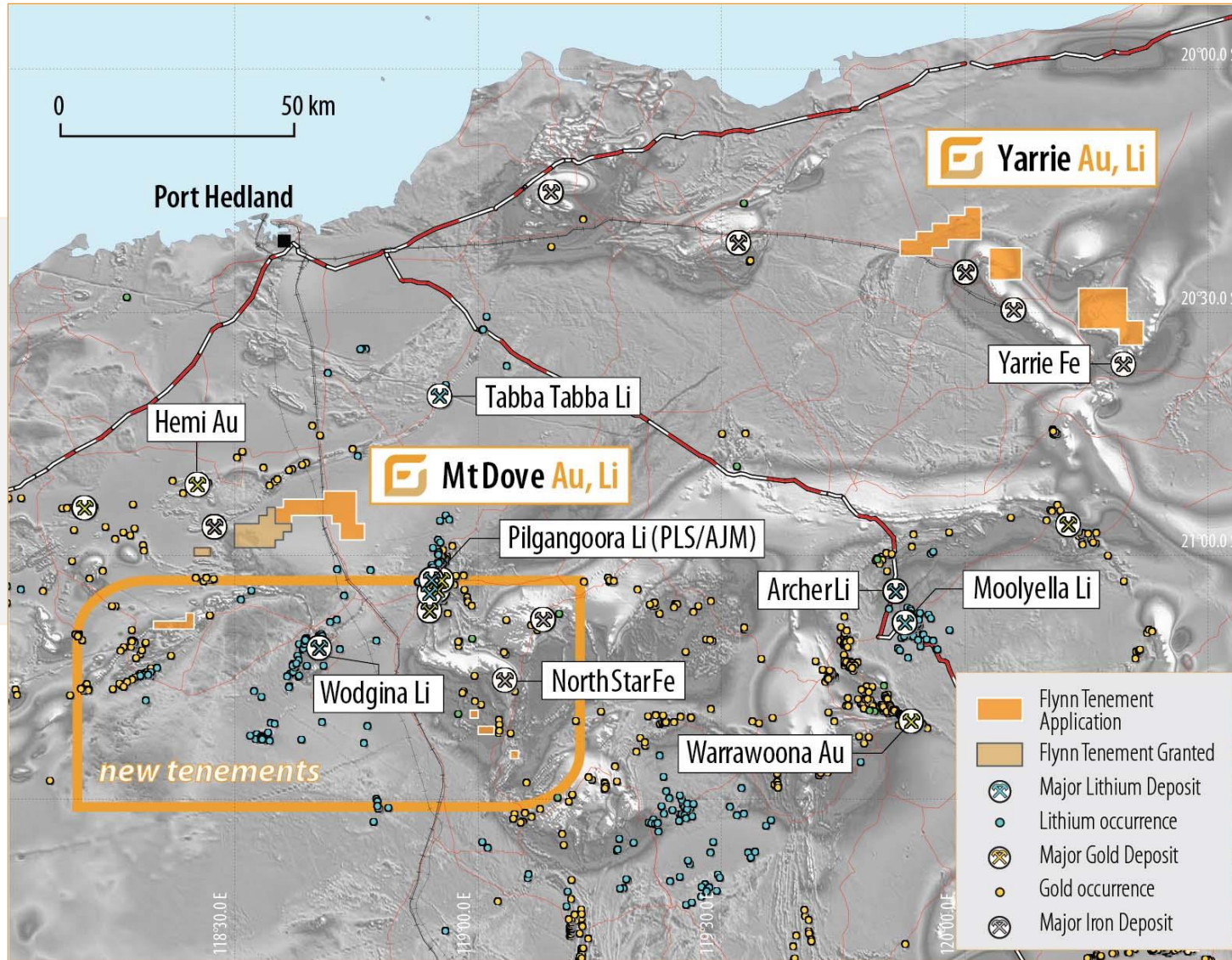
- Flynn Gold's Projects are located near the Pilgangoora, Wodgina, Mt Holland and Mt Cattlin lithium deposits
- Western Australia has been the largest global lithium producer since 2016 and in 2019, generated >50% of global production from seven mining operations
- Western Australia continues to position itself as a battery minerals hub due to its proximity to key markets, shorter construction and ramp-up times and relatively low capital costs

Western Australia – World Class Lithium Province

Western Australia contains a high proportion of world class lithium pegmatite deposits



North Pilbara – Gold and Lithium Projects



Two gold-lithium projects located in the highly prospective Pilbara Craton

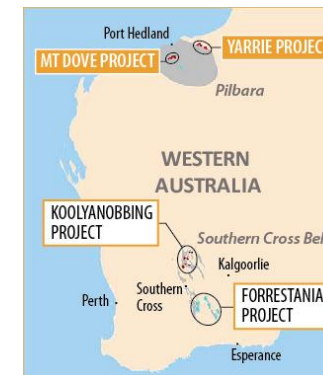
- Mt Dove
- Yarrie

Flynn Gold's Pilbara Projects are located near large lithium pegmatite deposits

- Pilgangoora (PLS)
- Pilgangoora (AJM)
- Wodgina (Albemarle, MIN JV)

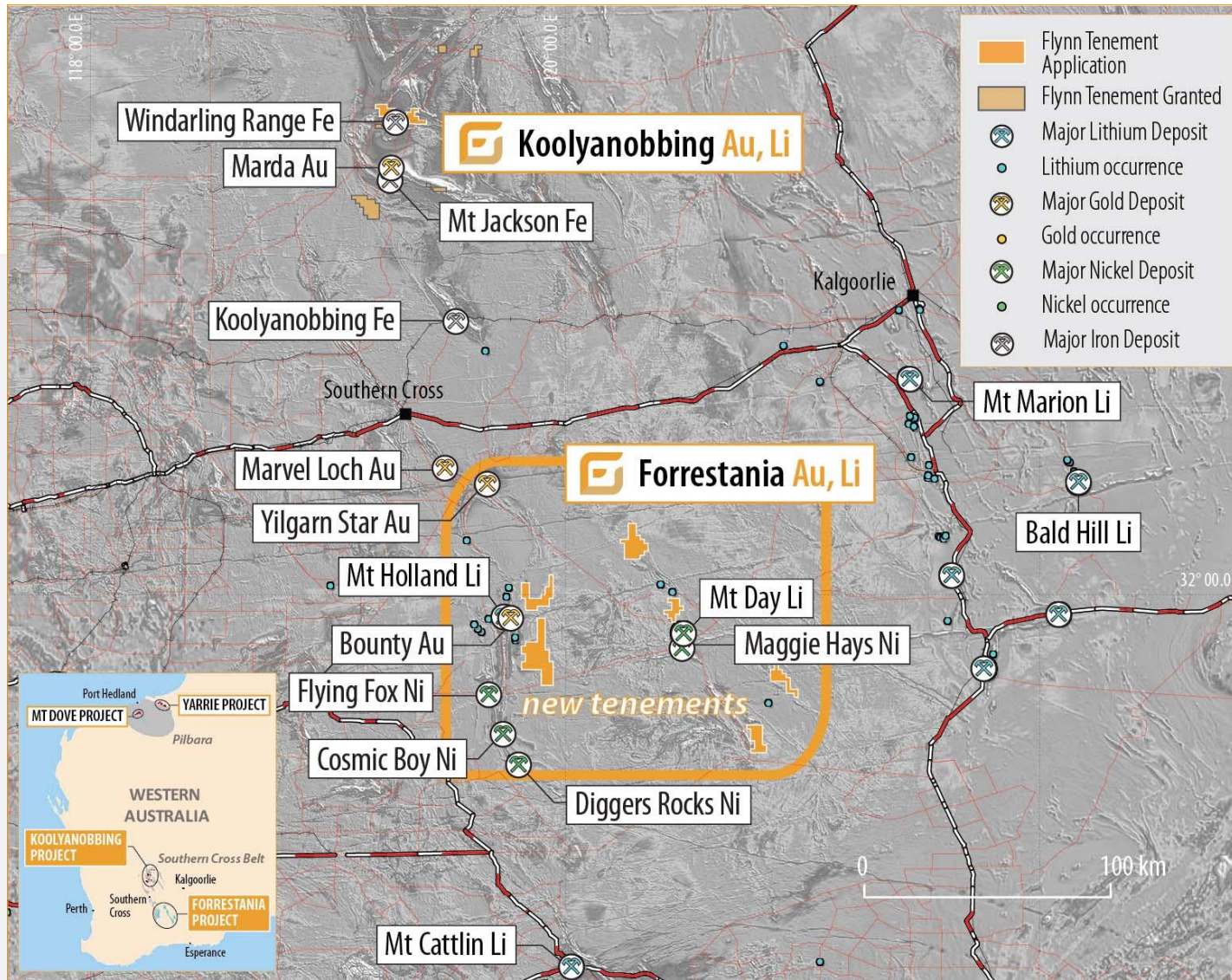
and the large new gold discovery

- Hemi (DEG)



Four **new tenement** applications at the Mt Dove Project (one subject to ballot) located close to the **Pilgangoora** and **Wodgina** deposits

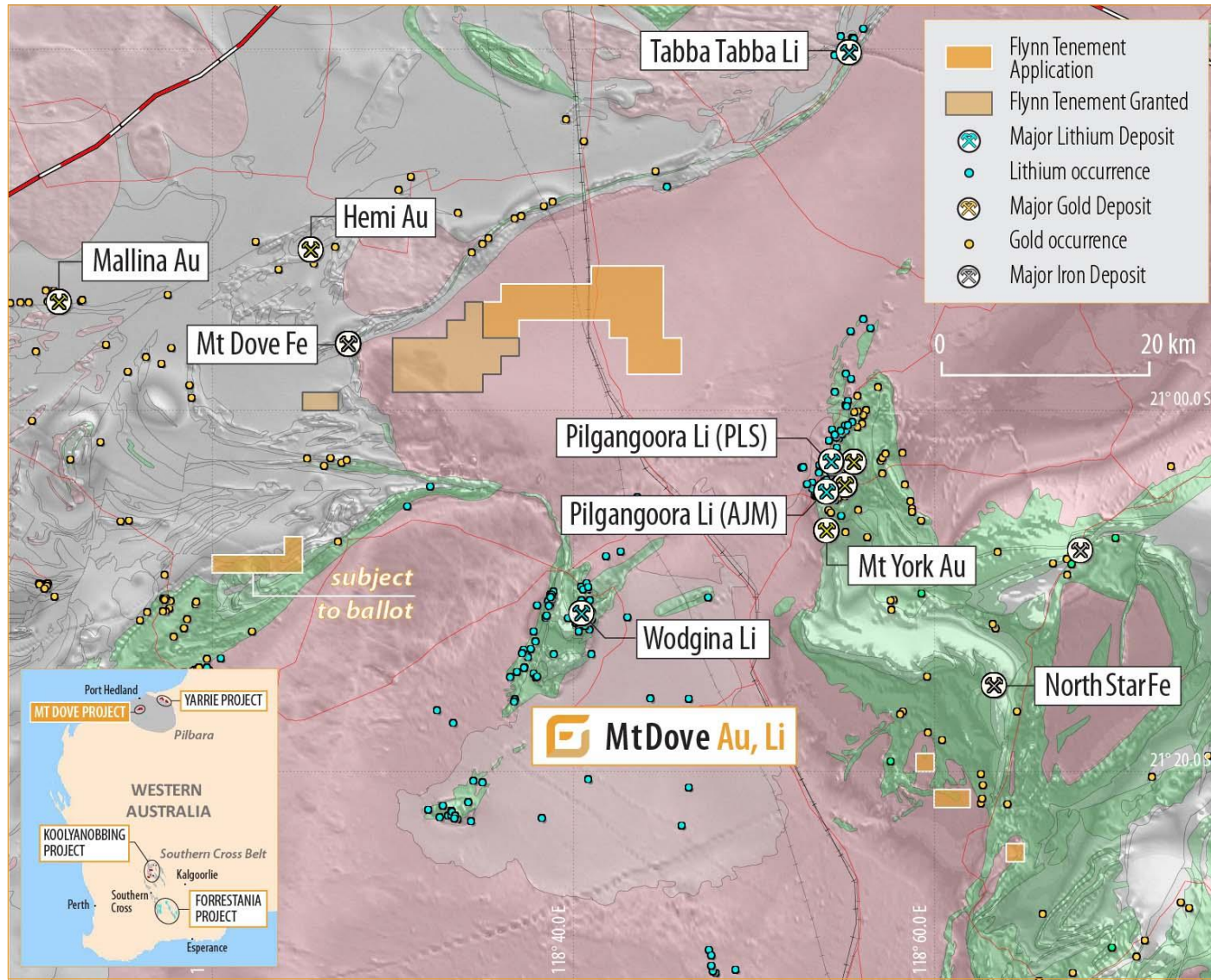
Southern Cross Belt – Gold and Lithium Projects



Two substantial gold-lithium projects located in the Southern Cross province of the Yilgarn Craton

- **Koolyanobbing**
- **Forrestania (new project)**
- Flynn Gold's Southern Cross Belt Projects are located near:
 - The large Mt Holland lithium pegmatite deposit (Wesfarmers / SQM)
 - The Mt Cattlin lithium pegmatite deposit (Allkem)
- The Southern Cross Belt also contains significant:
 - Gold deposits (Bounty, Marvel Loch, Yilgarn Star, Marda)
 - Nickel deposits (Flying Fox, Maggie Hays)
 - Iron deposits (Windarling Range, Mt Jackson, Koolyanobbing)

Pilbara – Mt Dove Au-Li Projects



Source: ¹ASX:DEG announcement dated 23 June 2021 ²ASX:PLS announcement dated 6 September 2021

³ASX:MIN announcement dated 23 October 2018

Building a strong ground position near world class gold and lithium and gold deposits including:

- Hemi Au
- Pilgangoora Li, Ta
- Wodgina Li, Ta



The **Hemi** discovery is an intrusion-hosted gold deposit new to the Pilbara Region. Gold occurs as stringer and disseminated sulphide rich zones. Hemi has a Mineral Resource Estimate of 6.8Moz¹

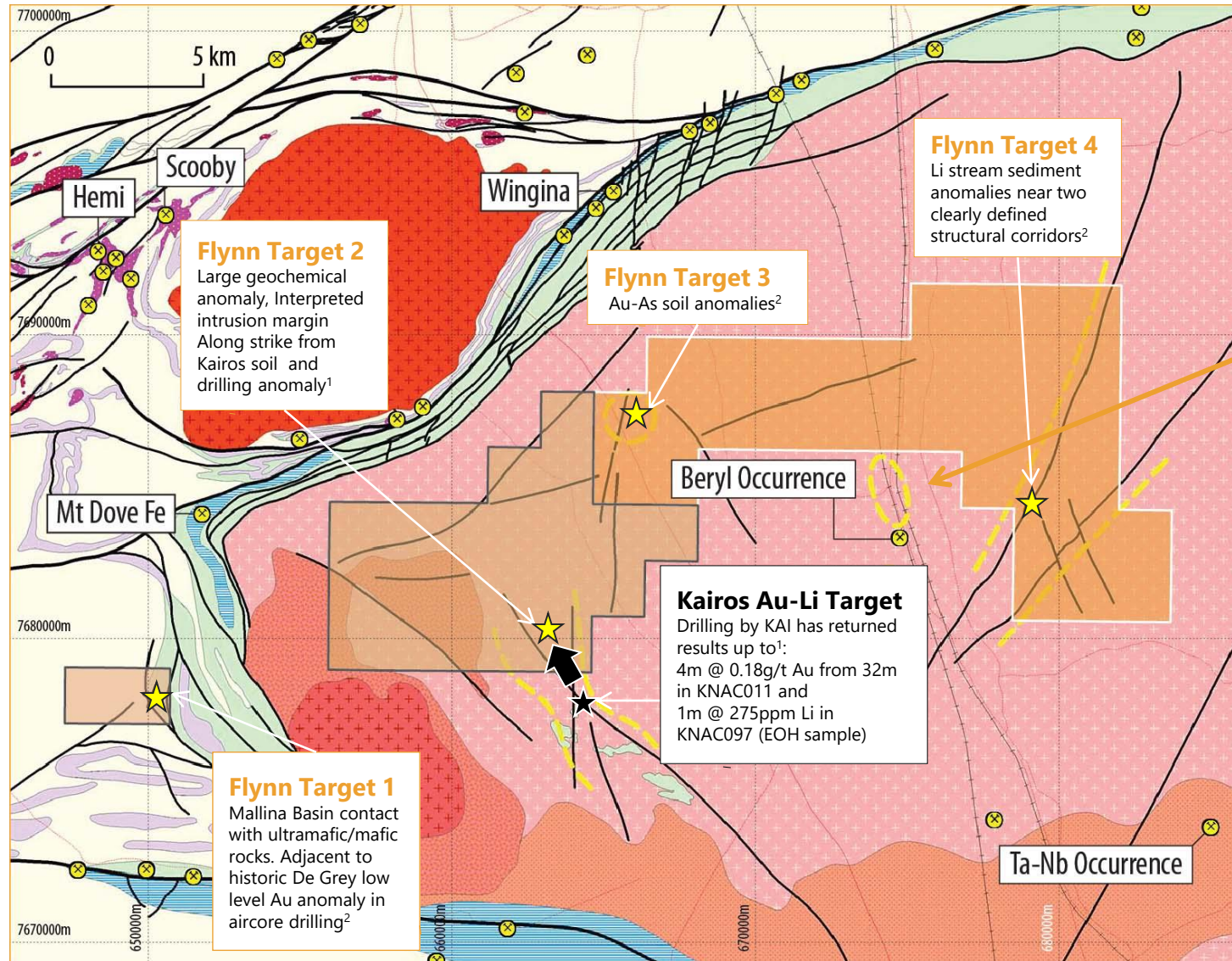


The **Pilgangoora** Lithium tantalum pegmatite deposit with a total resource² of 309 Mt grading 1.14% Li₂O and 105ppm Ta₂O₅, is a globally significant hard-rock lithium-tantalum deposit.

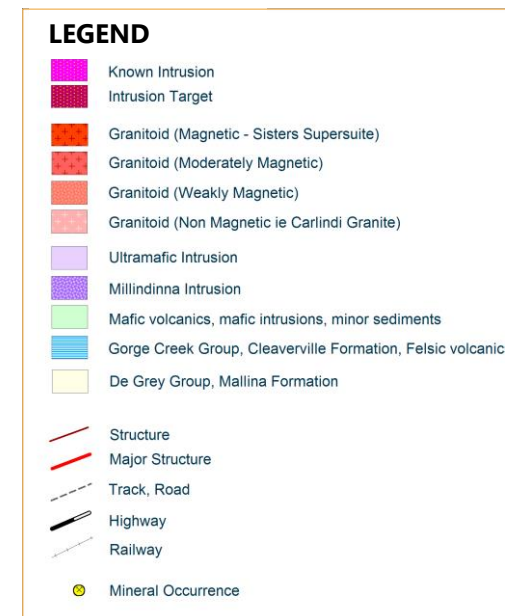


The **Wodgina** Total Mineral Resource³ for pegmatite and the tailings material, stands at 259.2 Mt at 1.17% Li₂O, making it one of the largest hard rock lithium deposits globally

Pilbara – Mt Dove Project



Multiple gold-lithium targets located just 11km from the 6.8Moz Hemi gold project³ and along strike from Kairos Kangan Au-Li target¹

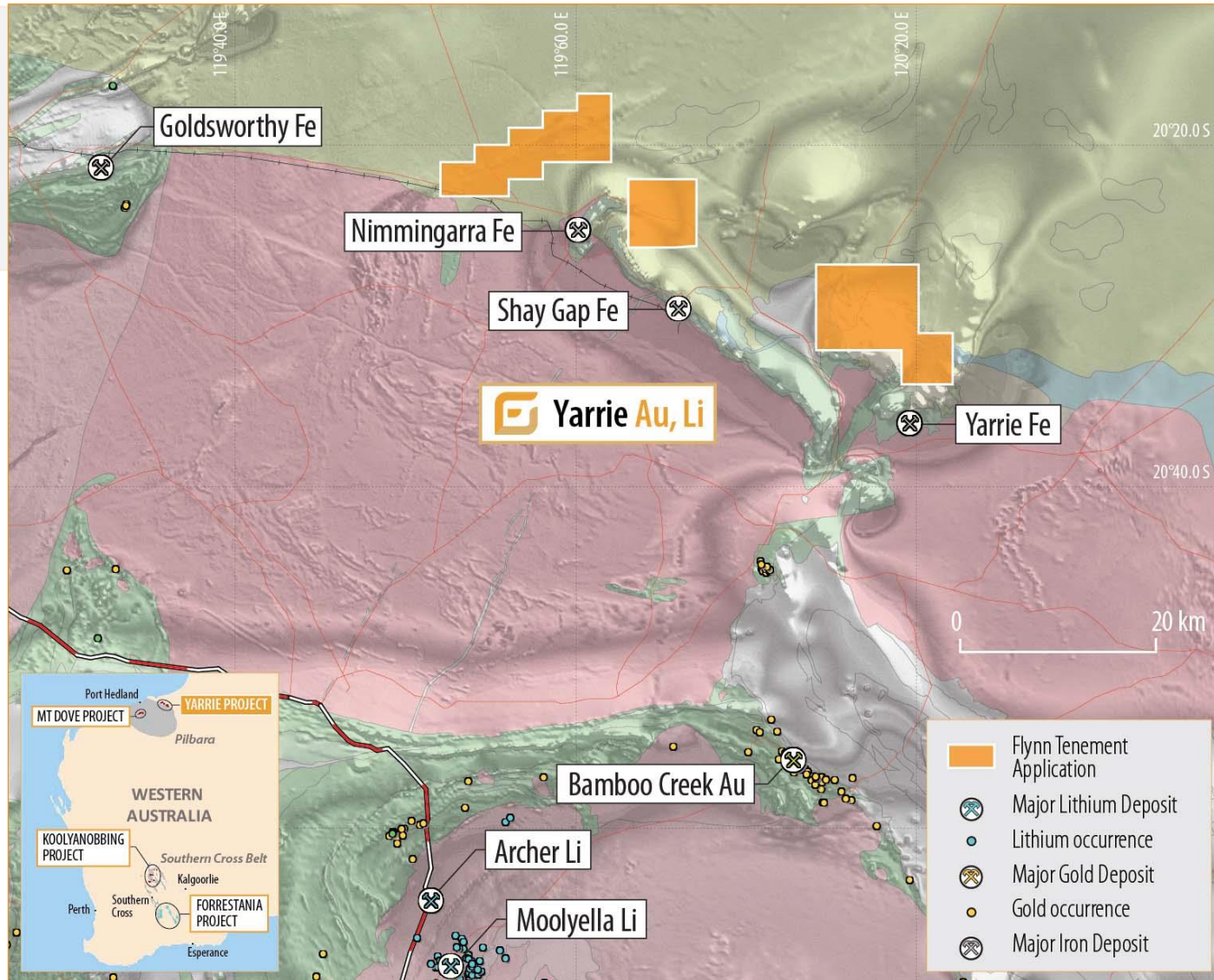


Source: ¹Refer ASX:KAI announcement dated 16 November 2021

² Refer to ASX:FG1 announcement dated 19 October 2021

³ ASX:DEG announcement dated 23 June 2021

Pilbara – Yarrie Au-Li Project



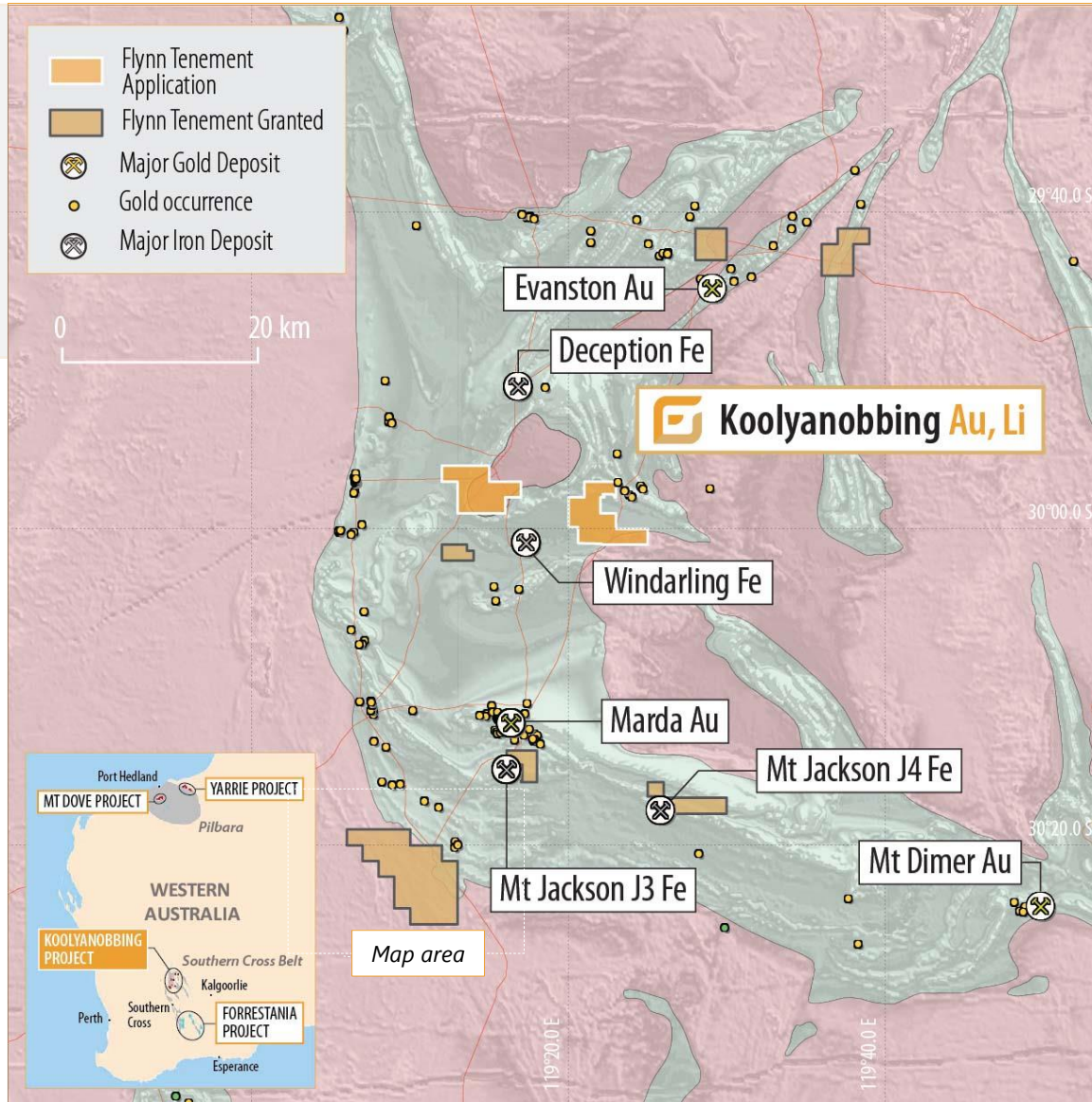
The Yarrie Au-Li Project comprises three exploration licence applications targeting gold and lithium mineralisation in the Shay Gap greenstone belt and Eel Creek Embayment, located on the northern margin of the Pilbara Craton

- The Archer lithium deposit, located ~80km south of the Yarrie Project comprises a swarm of spodumene bearing pegmatites over a 3km by 1km zone
- The maiden JORC 2012 Inferred Mineral Resource comprises 10.5 million tonnes at 1.0% Li_2O ¹



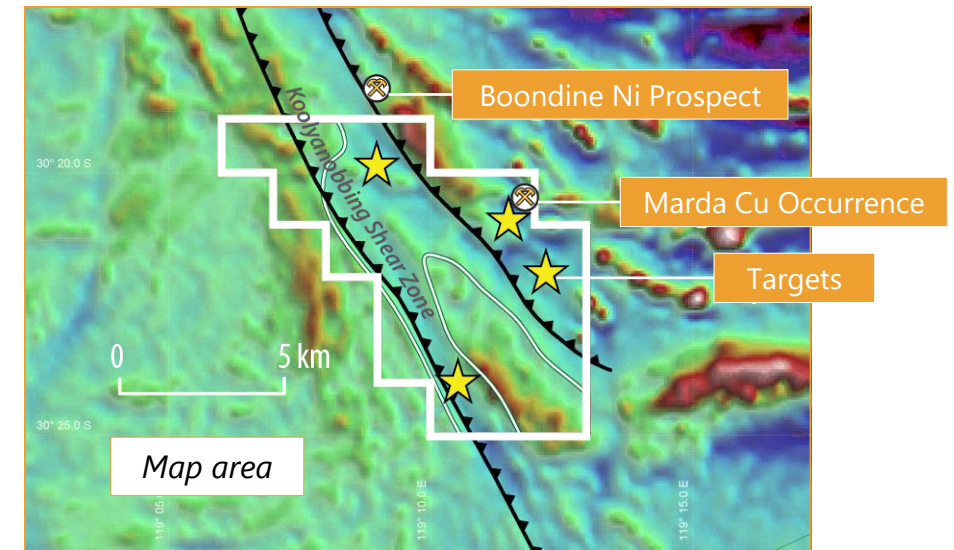
Source: ¹Refer ASX:GL1 announcement dated 4 May 2021

Southern Cross Belt – Koolyanobbing Au-Li Project

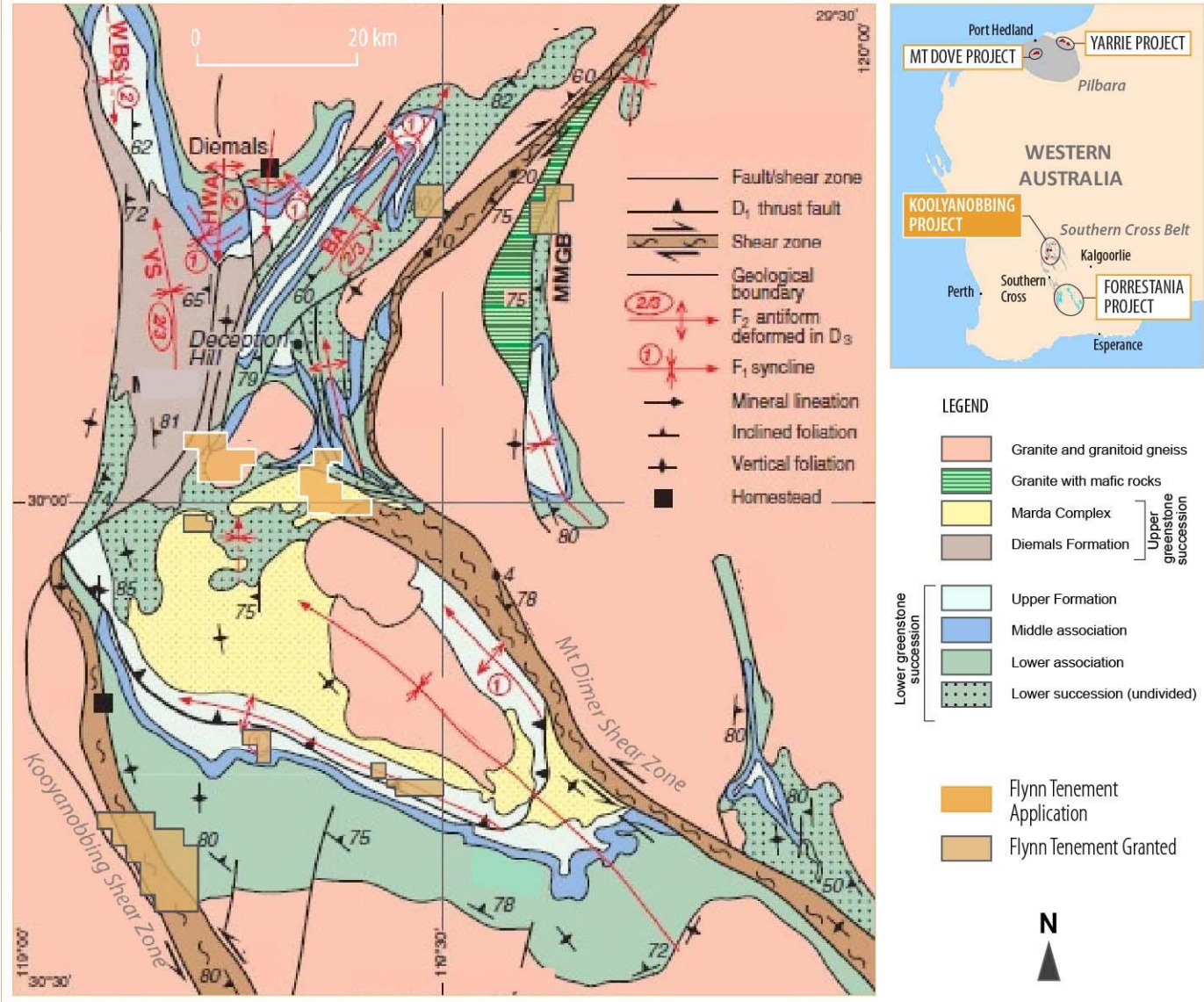


The Koolyanobbing Au-Li Project comprises eight exploration licence applications targeting gold and lithium mineralisation in the Marda-Diemals greenstone belt, located in the Southern Cross Belt of the Yilgarn Craton

The Marda-Diemals greenstone belt has received little or no modern exploration for lithium pegmatites



Southern Cross Belt – Koolyanobbing Au-Li Project



Source: Map - GSWA, Geology of the Bungabbin 1:100,000 Sheet, Chen, S. F. and Wyche, S., 2003.
¹Rameli Resources (ASX:RMS) website

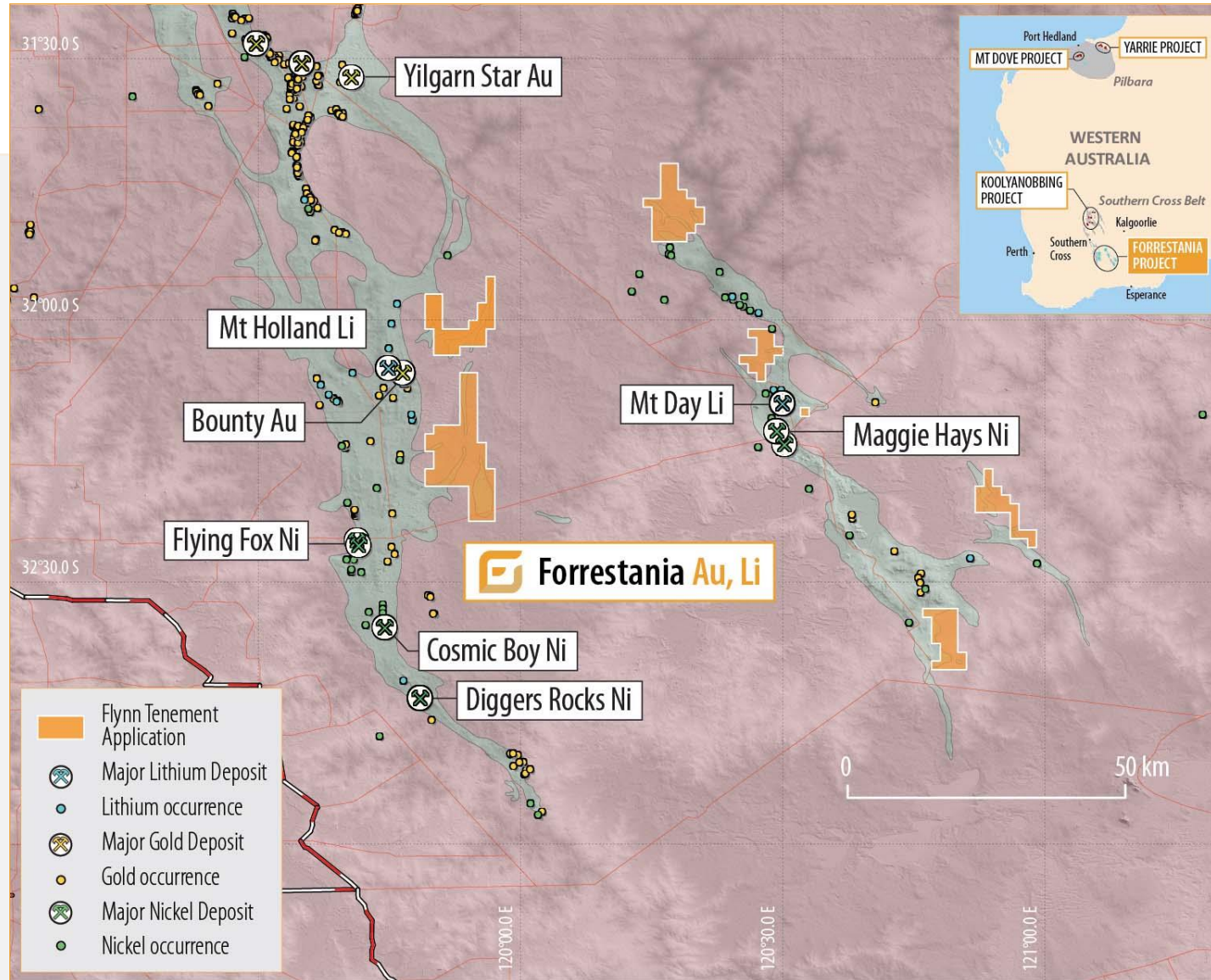
The Koolyanobbing and Mt Dimer Shear zones are crustal-scale ductile shear zones, 5–15 km wide and approximately 450 km long

- Targeting gold and lithium in major structures along granite/greenstone contacts
- Focus also on intrusive related gold systems and Penny West style high-grade lodes



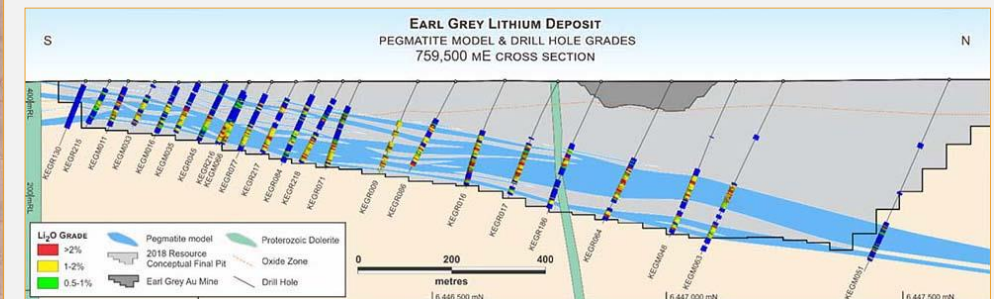
Marda Gold Project¹

Southern Cross Belt – Forrestania Au-Li Project



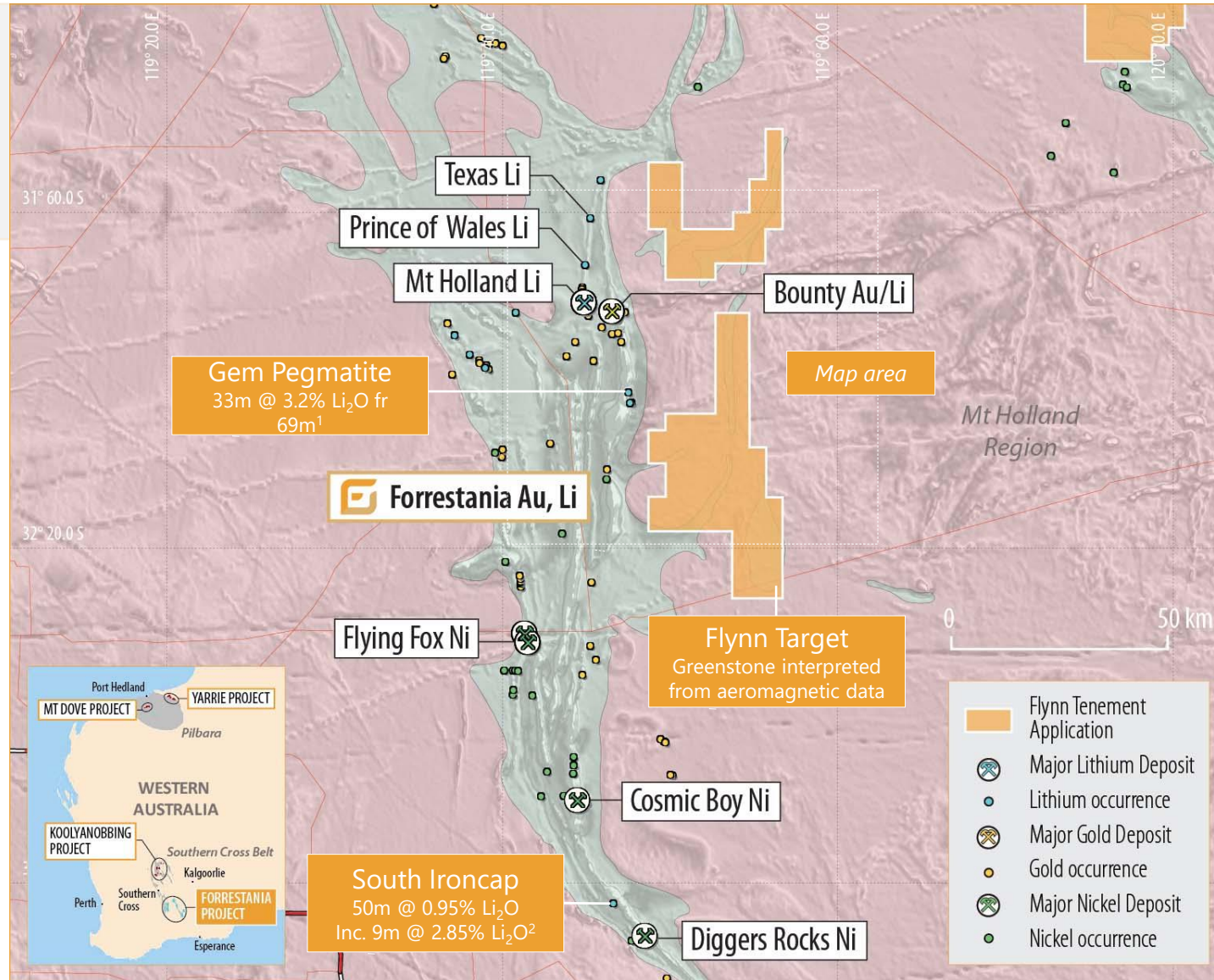
Exploration target: Mt Holland (Earl Grey) lithium pegmatite deposit – Potential to transform the Company

- Historically three varieties of pegmatite have been recognised within the Mt Holland District:
 - Sub-indent complex zoned pegmatite containing spodumene and albite in addition to coarse perthite and quartz
 - Sub-indent albitic aplite rich in black tourmaline and commonly containing cassiterite
 - Sub-indent coarse cleavelanditic albite veins with minor apatite and spodumene
- These pegmatites appear to be abundant on the eastern margin of the Forrestania Greenstone belt, where several of Flynn's tenements occur



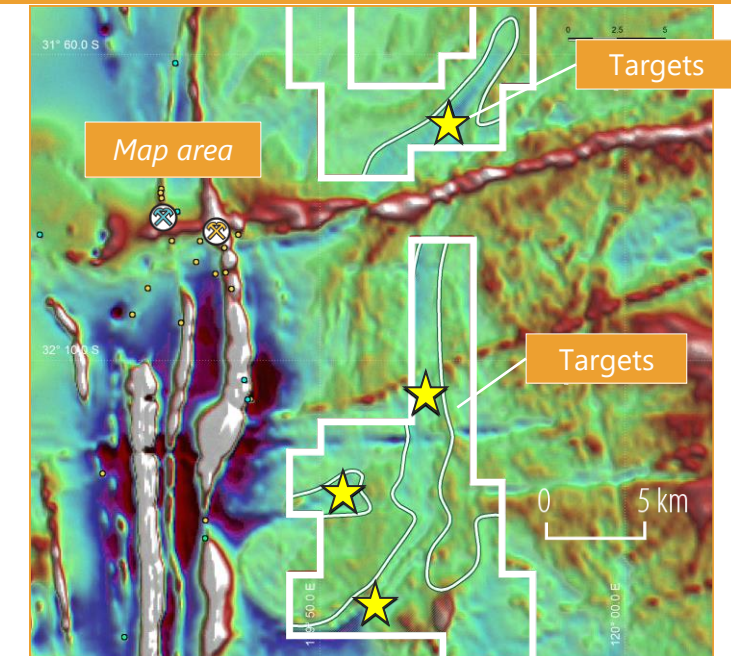
- Gently dipping deposit
- Averaging 70m in width
- Low strip ratio
- Consistent grades

Forrestania Au-Li Project – Mt Holland Region

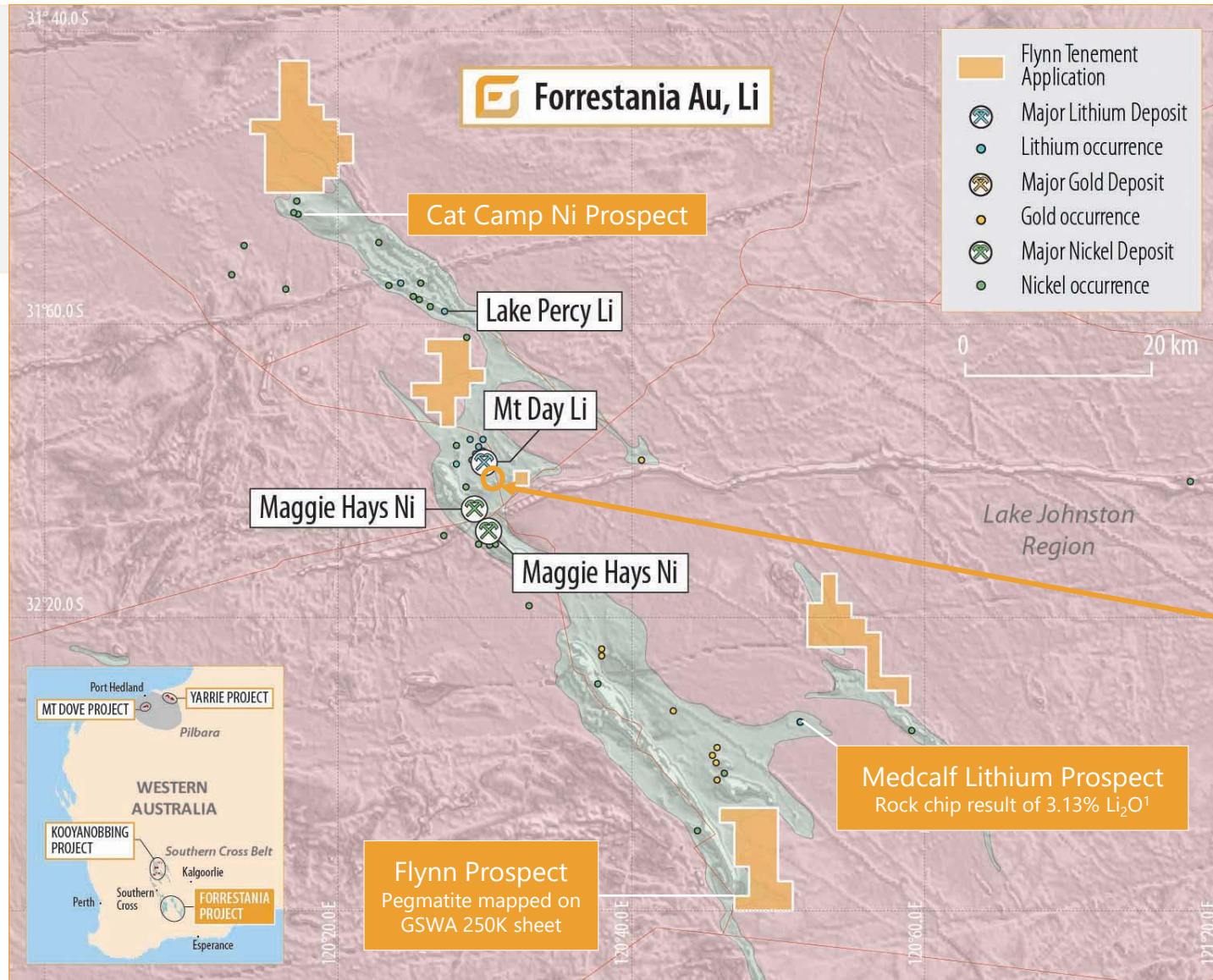


- The greenstone/granite contact extends further east than previously thought
- This has major implications for the lithium exploration potential of Flynn's tenements

New project located near the world class lithium pegmatite deposit at Mt Holland



Forrestania Au-Li Project – Lake Johnston Belt



The Lake Johnston area has become the focus of intensive lithium exploration due to known lithium occurrences at Mount Day, Medcalf and Lake Percy, and the recent discovery of the nearby, world-class, Mt Holland lithium deposit

- **Medcalf Spodumene prospect discovered in 2018**
- **Large LCT pegmatite field at Mount Day**



Outcropping pegmatites near the Mt Day pegmatite field²



Source: ¹Refer to ASX:LIT ASX announcement dated 21 May 2018, ²ASX:POS announcement dated 23 May 2016

Flynn Gold – WA Au-Li Strategy

Conclusions

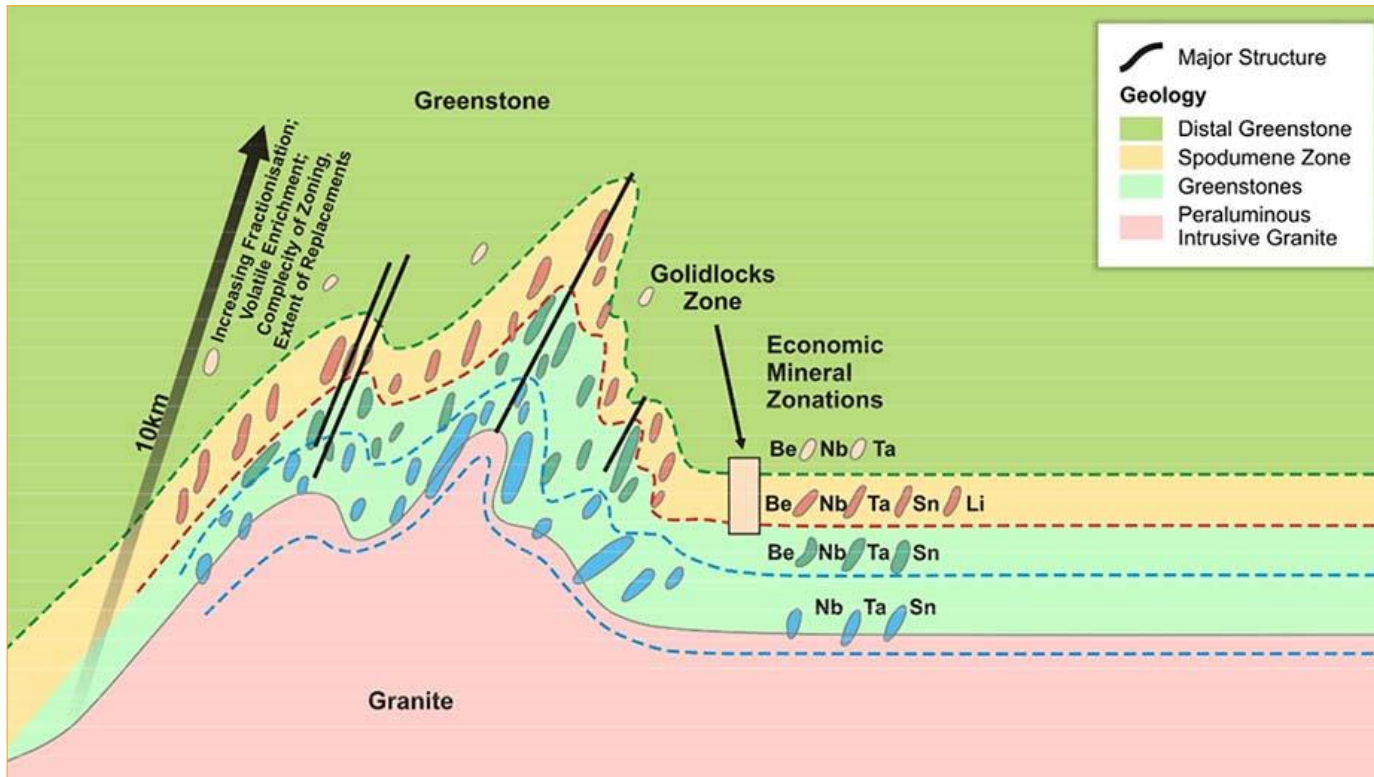
- Twelve month strategy to develop high quality Au-Li portfolio
- Targeting large lithium pegmatite deposits and intrusive related gold systems
- Increase quality of portfolio during 2022
- Increase footprint in targeted belts during 2022
- Evaluate potential more advanced opportunities in these belts
- Established four projects in proven Au-Li provinces
- 11 new exploration licence applications
- Continuously reviewing opportunities
- On ground exploration to commence at Mt Dove in May/June 2022

Exposure to lithium exploration provides Flynn with excellent leverage to the EV boom



Appendix 1: Lithium Exploration Model

- “LCT”-pegmatites, are sourced from “fertile” parent granites and the physical distance from the parent granite may directly relate to the distribution of, or zonation of these elements
- The “ideal” distance from a granite/greenstone contact is “conventionally” thought to be between one to four kilometres - the “Goldilocks Zone”



Schematic LCT Pegmatite model technical illustration
Modified after Černý (1991) and Breaks et al. (2021)



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