



iTECH
MINERALS

AGM PRESENTATION

25 NOVEMBER 2024

*VIDEO: Watch iTech's
Managing Director Mike
Schwarz give this
presentation.*



BOARD & MANAGEMENT



Glenn Davis
Non-executive Chairman

LLB, BEc, FAICD

Over 30 years experience as a solicitor in corporate and risk throughout Australia initially in a national firm and then a firm he founded

Expertise and experience in the execution of large transactions, risk management and in corporate activity regulated by the Corporations Act and ASX



Michael Schwarz
Managing Director

BSc (Hons) Geology, FAusIMM, MAIG

Over 25 years' senior experience in mineral exploration, with extensive experience both at a senior corporate level and in the hands-on roles of a geologist

Founding Managing Director of Northern Cobalt (ASX:N27) where he gained valuable experience in the battery materials markets. Founding Director and Executive Director Exploration for Core Exploration Limited (ASX:CXO), Managing Director of Monax Mining Ltd (ASX:MOX), founding Director of Marmota Energy Ltd (ASX:MEU)



Gary Ferris
Non-executive Director

MSc (Geology/Earth Sciences), MAusIMM

More than 30 years' experience in exploration and management as a founding Managing Director of InterMet Resources Ltd (ASX: ITT) and Managing Director of Monax Mining (ASX: MOX)

Has a Master's degree from the Centre for Ore Deposits and Exploration Studies, University of Tasmania. He is a member of the Australasian Institute of Mining and Metallurgy



Jarek Kopias
Chief Financial Officer and Company Secretary

BCom, CPA, AGIA, ACG (CS, CGP)

Certified Practising Accountant and Chartered Secretary

Over 25 years' industry experience in a wide range of financial and secretarial roles within the resources industry

Worked in numerous financial roles for companies, specialising in the resource sector – including 5 years at WMC Resources Limited's Olympic Dam operations, 5 years at Newmont Mining Corporation - Australia's corporate office and 5 years at oil and gas producer and explorer, Stuart Petroleum Limited (prior to its merger with Senex Energy Limited)

Capital Structure

Shares on issue	170.7M
Options and rights	9.4M
Share Price (22/11/2024)	\$0.073
Market Capitalisation	\$12.5M
Cash (Sep-24 quarterly)	\$4.0M
Capital Raise (25/7/2024)	\$3.4M placement and SPP
Enterprise Value (EV)	\$8.5M

iTECH IS DEVELOPING NEW RESOURCES TO POWER THE GREEN ENERGY TRANSITION



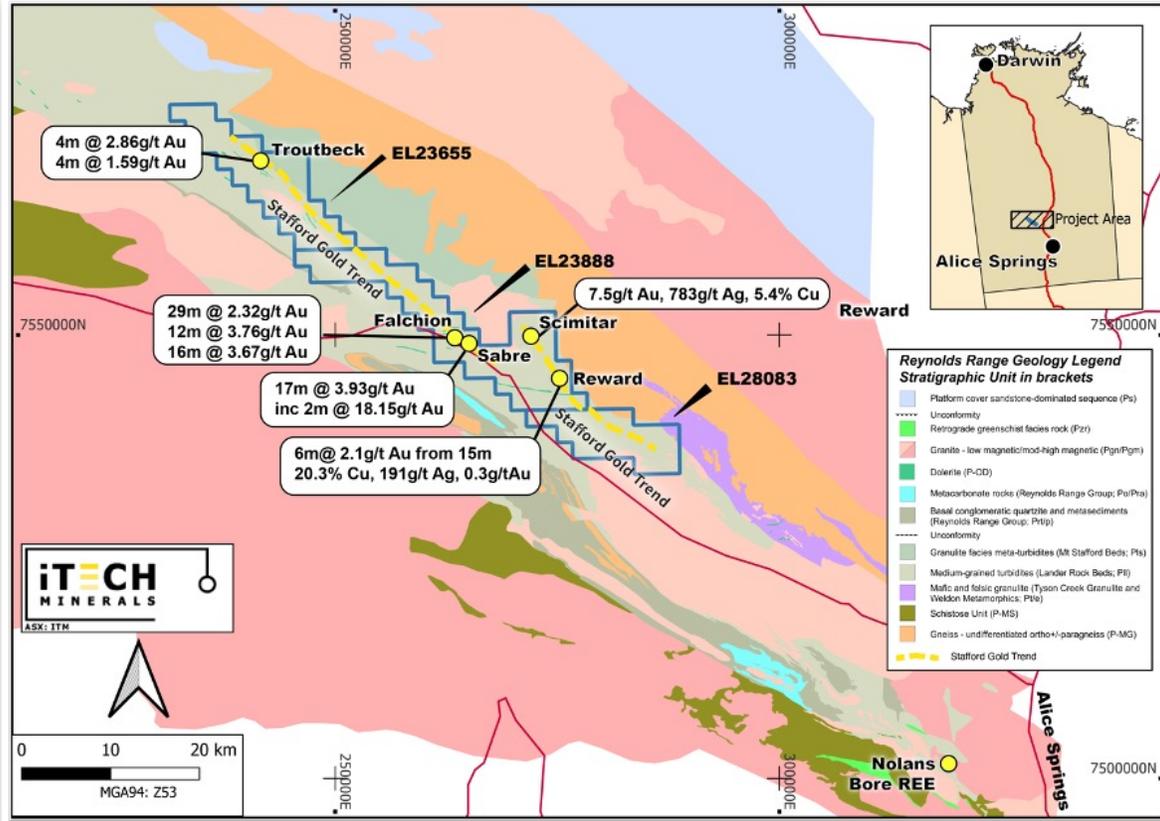
LITHIUM
Reynolds Range Project, NT

COPPER - GOLD
Reynolds Range Project, NT

GRAPHITE
Eyre Peninsula Project, SA

ITECH'S NEW CRITICAL MINERALS PROJECT

COPPER-GOLD-LITHIUM-REE

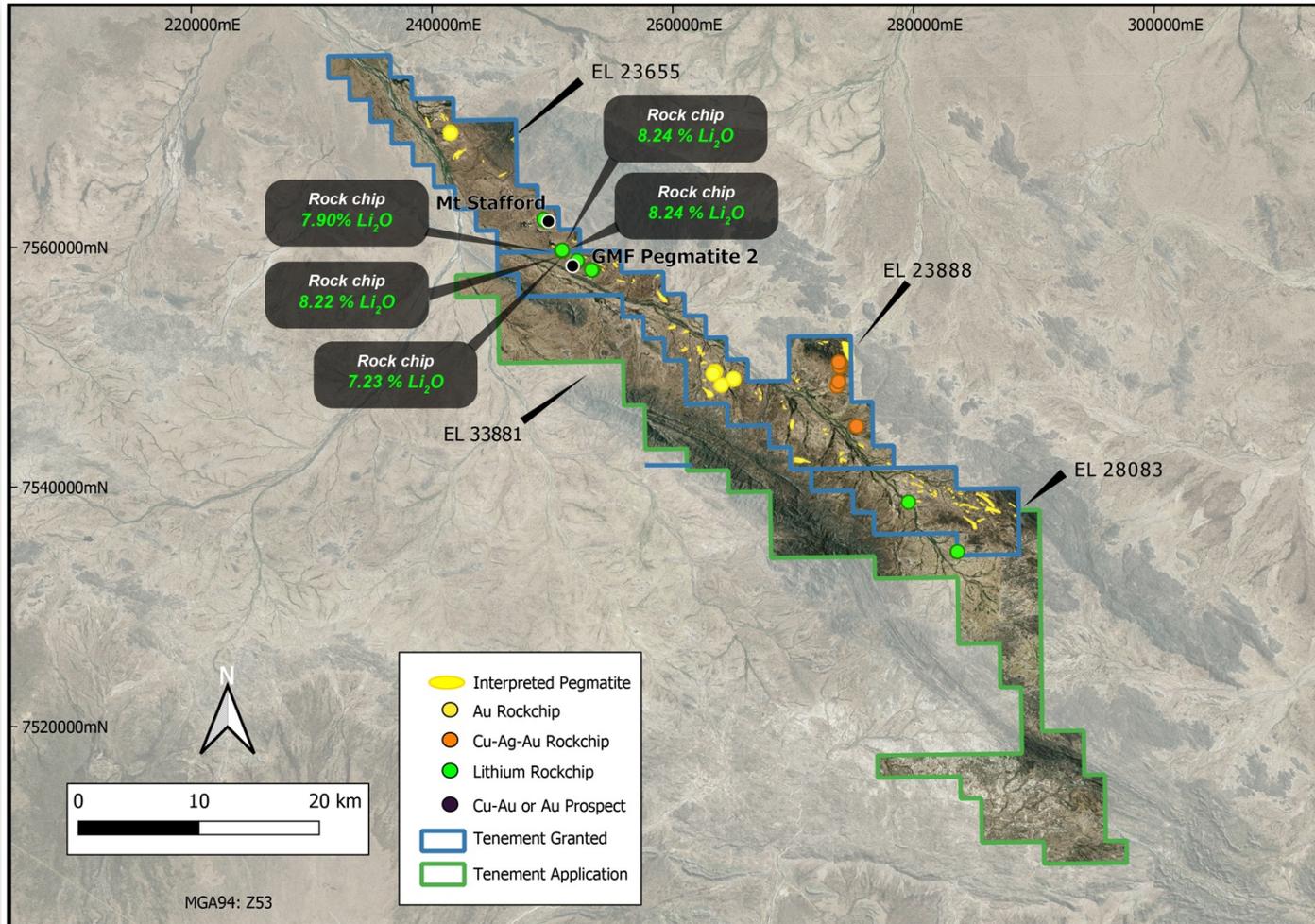


- The Reynolds Range Project consists of three Exploration Licenses (EL23888, EL 28083 and EL23655)
- The project covers 375km² in the Aileron Province and is located 90–230 km NNW of Alice Springs, accessible via the Stuart Highway and the unsealed Mt Denison Road
- New application, EL 33881, doubles the prospective area from 375km² to over 792km²
- iTech acquired the project to complement its existing Eyre Peninsula Graphite Project in SA
- The project expands iTech's portfolio and increases the Company's exposure to minerals crucial for the global energy transition – Copper, Gold and Lithium
- Historical exploration highlighted strong potential for economic copper and gold mineralisation
- Historical explorers were focussed on Copper and Gold – leaving a lot of potential for exploring other in-demand minerals



**A NEW
LITHIUM
PEGMATITE
DISCOVERY**

*Lithium-bearing pegmatite from
the GMF 1 Pegmatite*



A NEW LITHIUM PEGMATITE DISCOVERY

- Existing tin mines in pegmatites gave the iTech team clues to prospectivity
- Multiple rock chip samples taken at historical tin workings returned results of over 8% Lithium

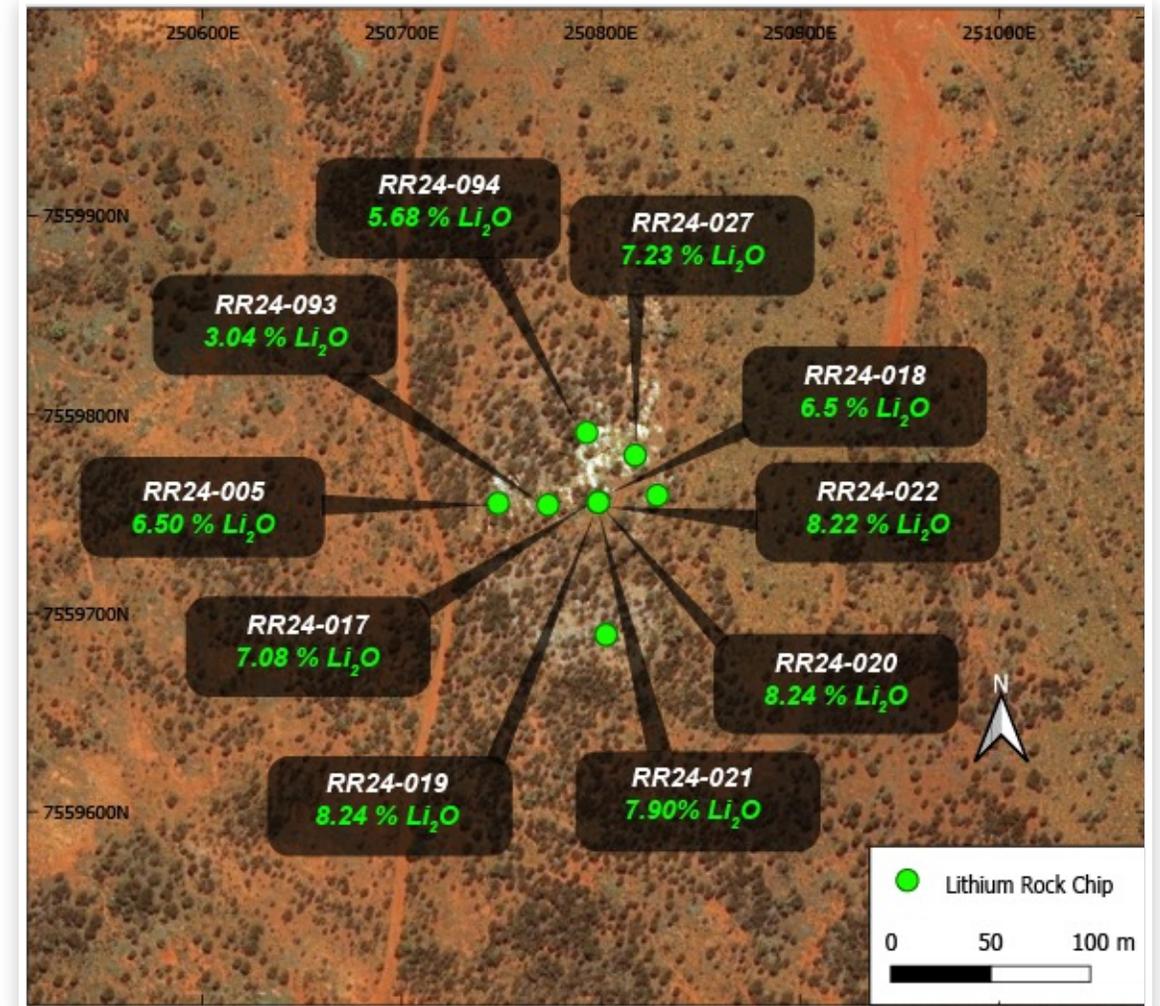


Watch more about the Lithium potential at the Reynolds Range Project



GMF 1 PEGMATITE

- Mapped at approx. 90m wide by 290m long before disappearing under cover
- Zoned pegmatite, with quartz core, then very coarse spodumene crystals with quartz, albite, plagioclase, muscovite and tourmaline, then fine grained margins with tourmalinite
- Spodumene sampled over >80m distance

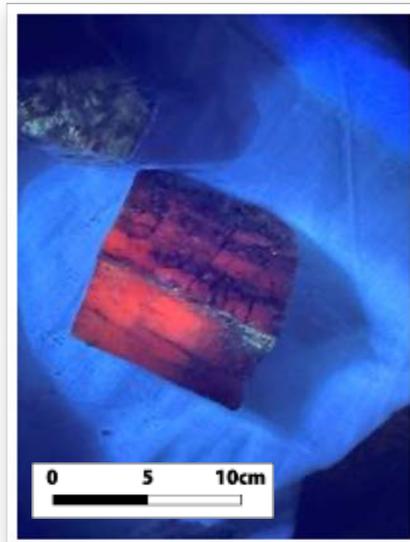


LITHIUM POTENTIAL

Spodumene confirmed by XRD analysis

Mineral	Quartz	Spodumene	Mica group	K-Feldspar	Plagioclase	Total	Unassigned Peak
RR24-005	2	83	3		12	100	Tr
RR24-027	16	84				100	Tr

Elements/Oxides (%)	Al	Ca	Fe	K	Li	Mg	Mn	Na	P	Ti
RR24-005	9.66	0.1	0.97	0.74	3.02	ND	0.04	1.1	0.01	ND
RR24-027	9.65	0.07	1.17	0.31	3.36	0.02	0.05	0.19	0.02	ND



Spodumene glows orange under Ultraviolet light, and this property is often used to identify lithium-bearing pegmatites in the field.

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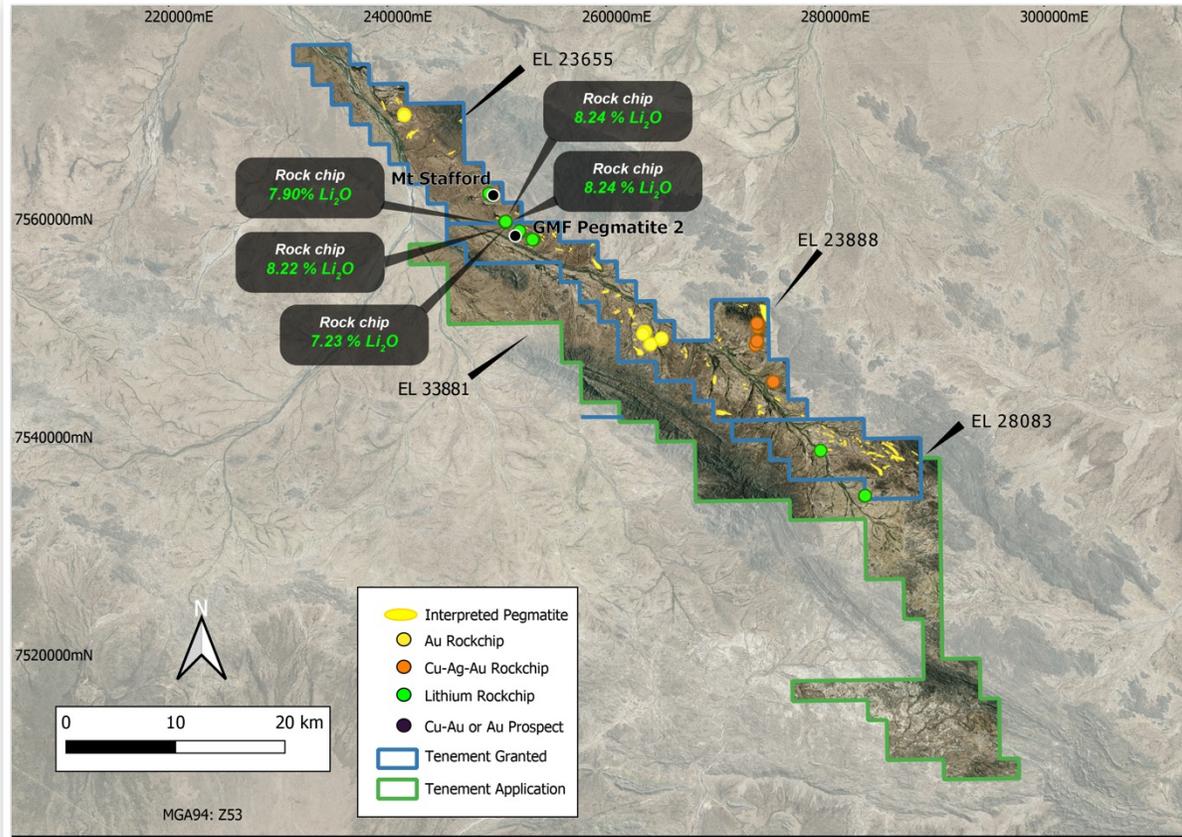
Elements/Oxides (%)	Al	Ca	Fe	K	Li	Mg	Mn	Na	P	Ti
RR24-005	9.66	0.1	0.97	0.74	3.02	ND	0.04	1.1	0.01	ND
RR24-027	9.65	0.07	1.17	0.31	3.36	0.02	0.05	0.19	0.02	ND



LITHIUM POTENTIAL

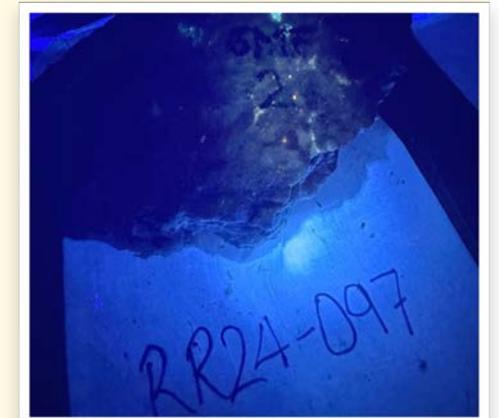
GMF Pegmatite – Very coarse grained spodumene at/near surface





GROWING THE LITHIUM POTENTIAL

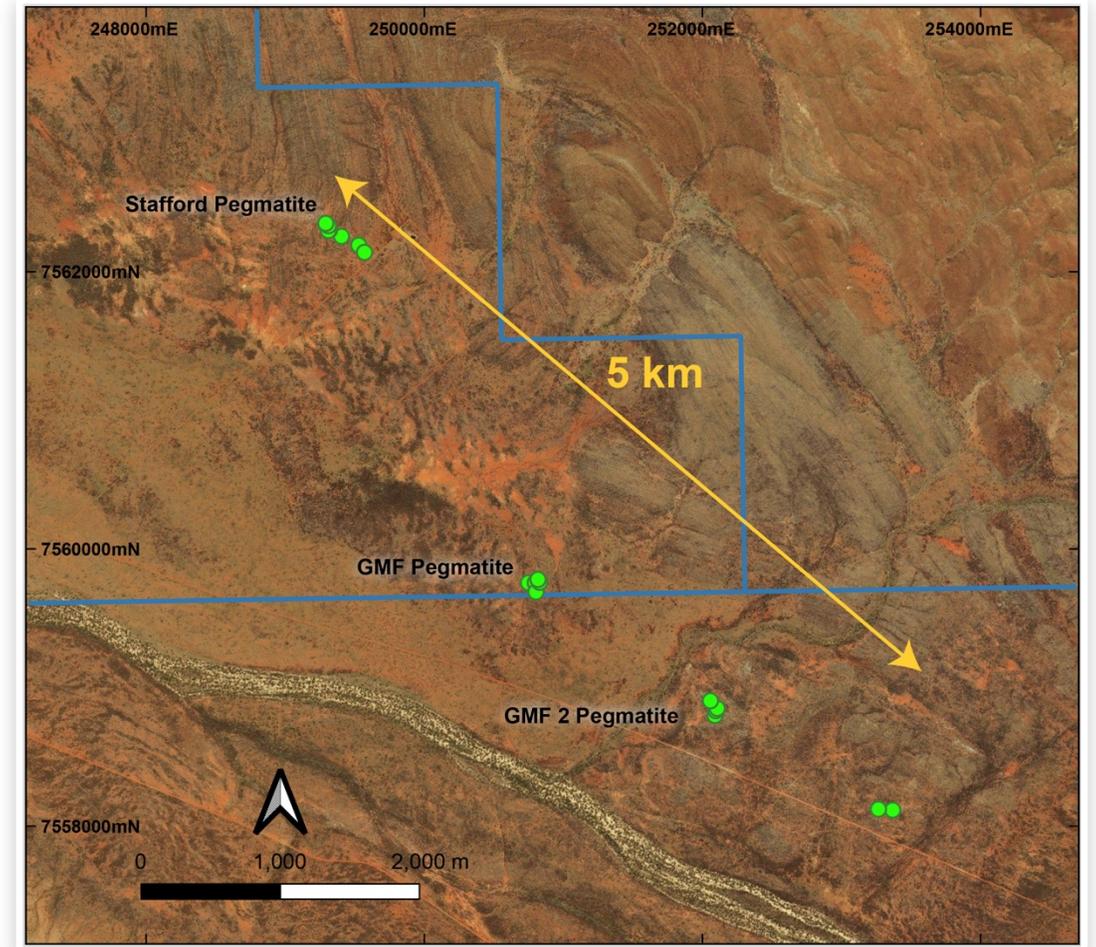
- Fine spodumene identified at Mt Stafford Pegmatite and GMF 2 Pegmatite
- Extends known fertility of spodumene-bearing pegmatites to over 5 km of strike in 3 different pegmatites
- Many more to sample, swarms evident



GMF 2 PEGMATITE

1.7 KM WEST OF GMF PEGMATITE

- Forms part of a large swarm of pegmatites
- Fine grained spodumene in hand specimen
- Qtz-feldspar-tourmaline-muscovite-beryl pegmatite
- Evidence of spodumene crystal casts in quartz
- Highly elevated (>5000ppm) Rb in K-feldspar which indicates a fertile pegmatite
- K/Rb of K-feldspars from 24-122 which confirms pegmatite fertility (4 samples)
- Slightly more deeply weathered (>3m) which is why we aren't seeing coarse spodumene in shallow pits like GMF



GMF 2 PEGMATITE

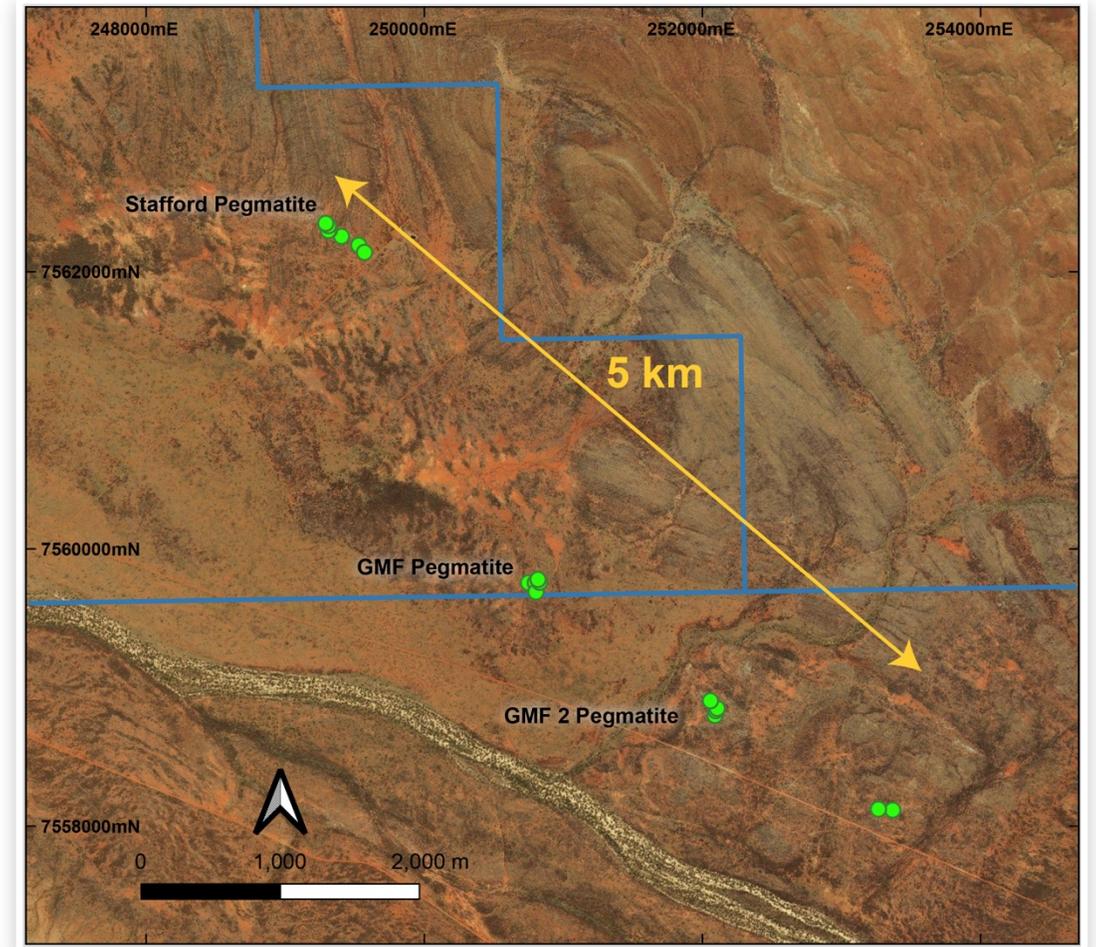
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MT STAFFORD PEGMATITE 3KM NORTHWEST OF GMF 1 PEGMATITE

- Fine grained spodumene in hand specimen
- Shallowly dipping qtz-feldspar-tourmaline-muscovite-beryl pegmatite
- Highly elevated (>6000ppm) Rb in K-feldspar which indicates a fertile pegmatite
- K/Rb of K-feldspars from 24-40 which confirms pegmatite fertility (5 samples)
- Slightly more deeply weathered (>4m) which is why we aren't seeing coarse spodumene in shallow pits like GMF
- Evidence of spodumene crystal casts in quartz further evidence of weathered spodumene



REGIONAL LITHIUM POTENTIAL

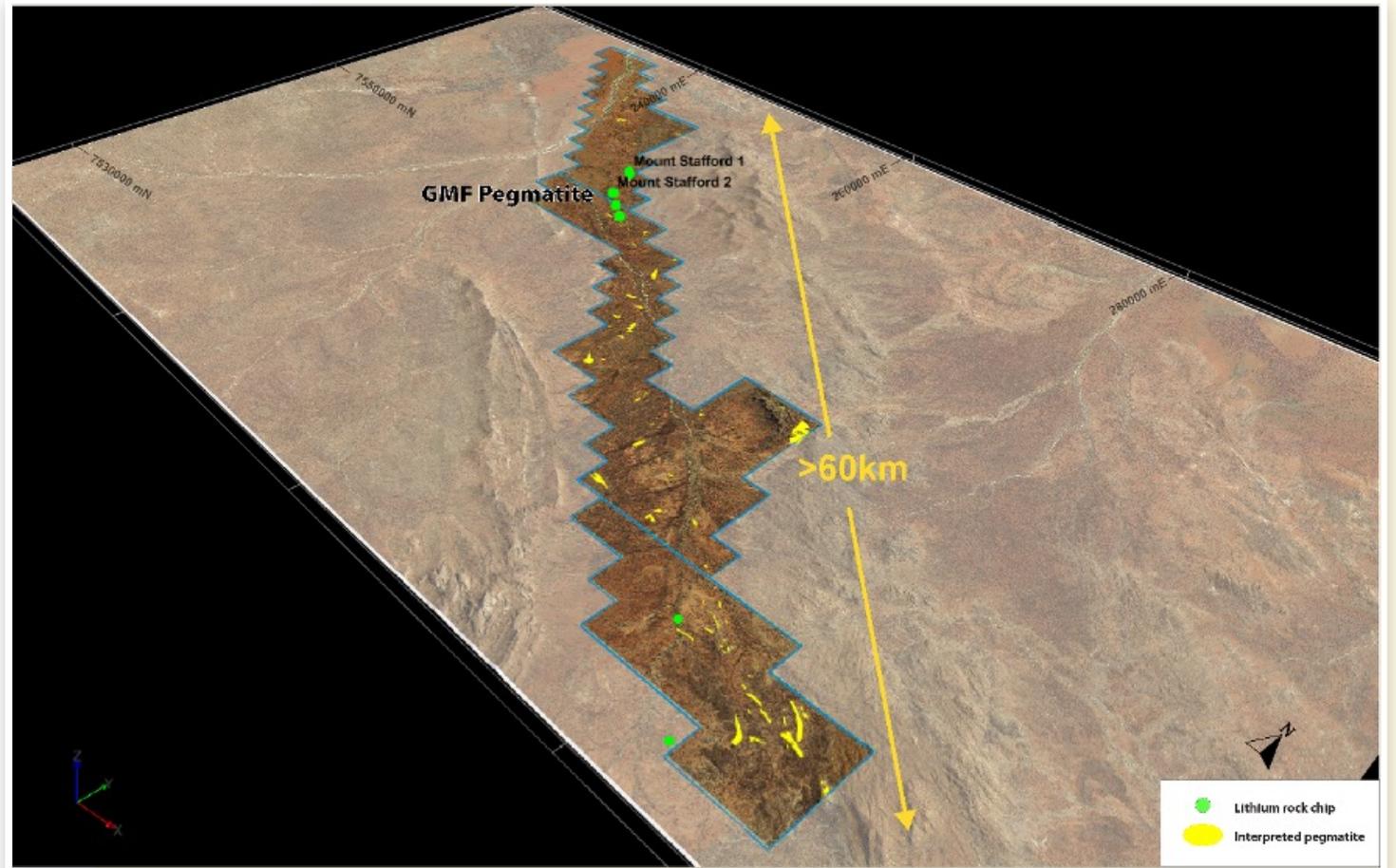
Large pegmatite outcropping at the Reynolds Range Project

IS THIS A NEW LITHIUM PROVINCE?

- Over 120 pegmatites interpreted from satellite imagery across 60km
- Individual pegmatites mapped by drone survey at over 1.2 km long and >100m wide
- Potential new province/belt scale system



Large pegmatite outcropping at the Reynolds Range Project



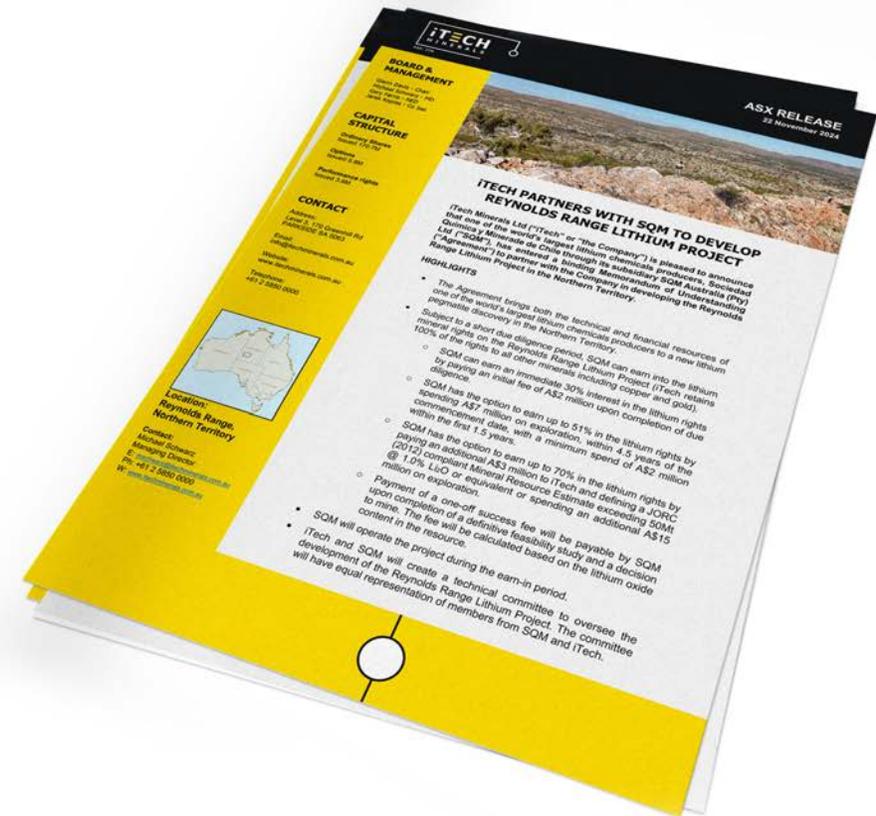


SQM PARTNERSHIP

- iTech believes it will take the technical capability and financial resources of one of the world's largest lithium chemical producers, like SQM, to fully capture the value of this exciting new project.
- SQM is a world leading, lithium focussed company, which brings significant financial and technical resources to the project.
- With SQM initially funding and managing all aspects of lithium exploration and development, iTech can focus its resources on exploration of the copper and gold potential of the Reynolds Range tenement package of which it retains 100% ownership
- Given the highly volatile nature of the current lithium market and pricing, iTech believes the partnership will secure the necessary financial and technical resources to advance the Reynolds Range Lithium Project to discovery and development in the shortest possible time

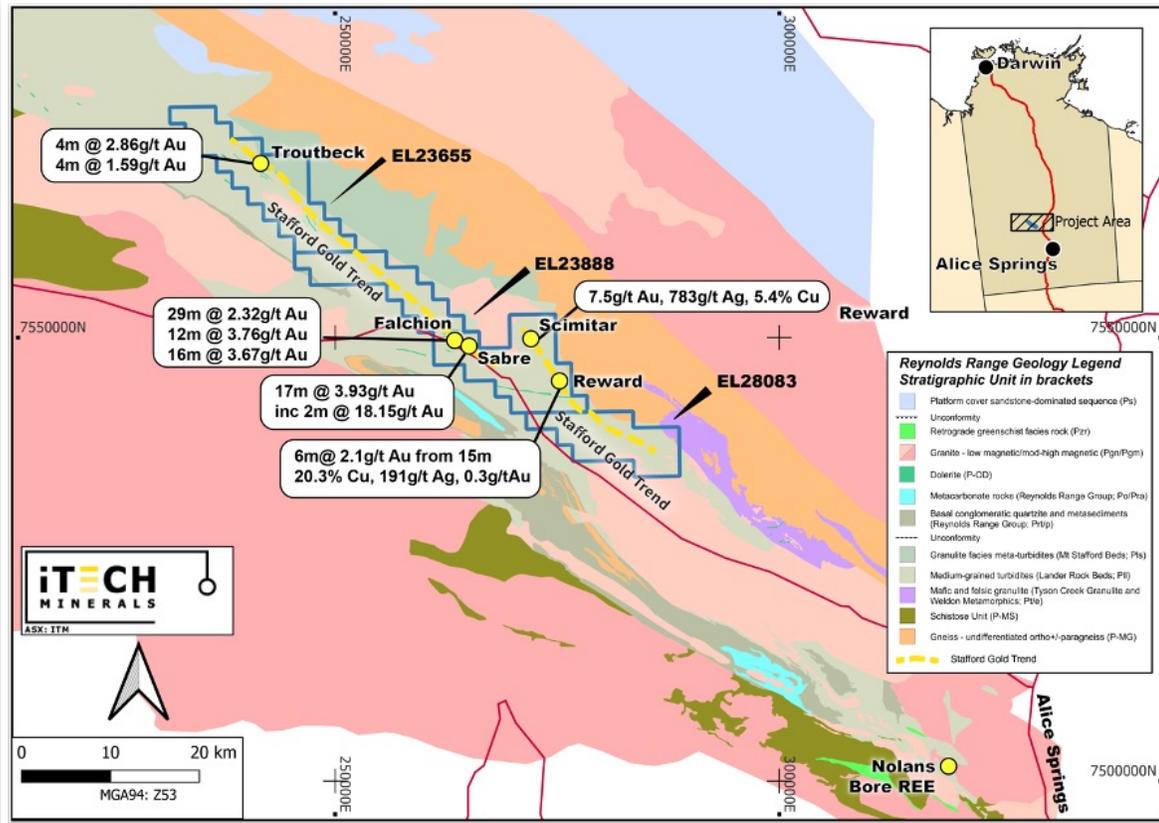
SQM PARTNERSHIP

- SQM can earn an immediate 30% interest in the lithium rights by paying an initial fee of A\$2 million upon completion of due diligence.
- SQM has the option to earn up to 51% in the lithium rights by spending A\$7 million on exploration, within 4.5 years of the commencement date, with a minimum spend of A\$2 million within the first 1.5 years.
- SQM has the option to earn up to 70% in the lithium rights by paying an additional A\$3 million to iTech and defining a JORC (2012) compliant Mineral Resource Estimate exceeding 50Mt @ 1.0% Li₂O or equivalent or spending an additional A\$15 million on exploration.
- Payment of a one-off success fee will be payable by SQM upon completion of a definitive feasibility study and a decision to mine. The fee will be calculated based on the lithium oxide content in the resource.
- SQM will operate the project during the earn-in period.





**THE
COPPER -GOLD
POTENTIAL**



HISTORICAL RESULTS HIGHLIGHT POTENTIAL FOR COPPER-GOLD MINERALISATION

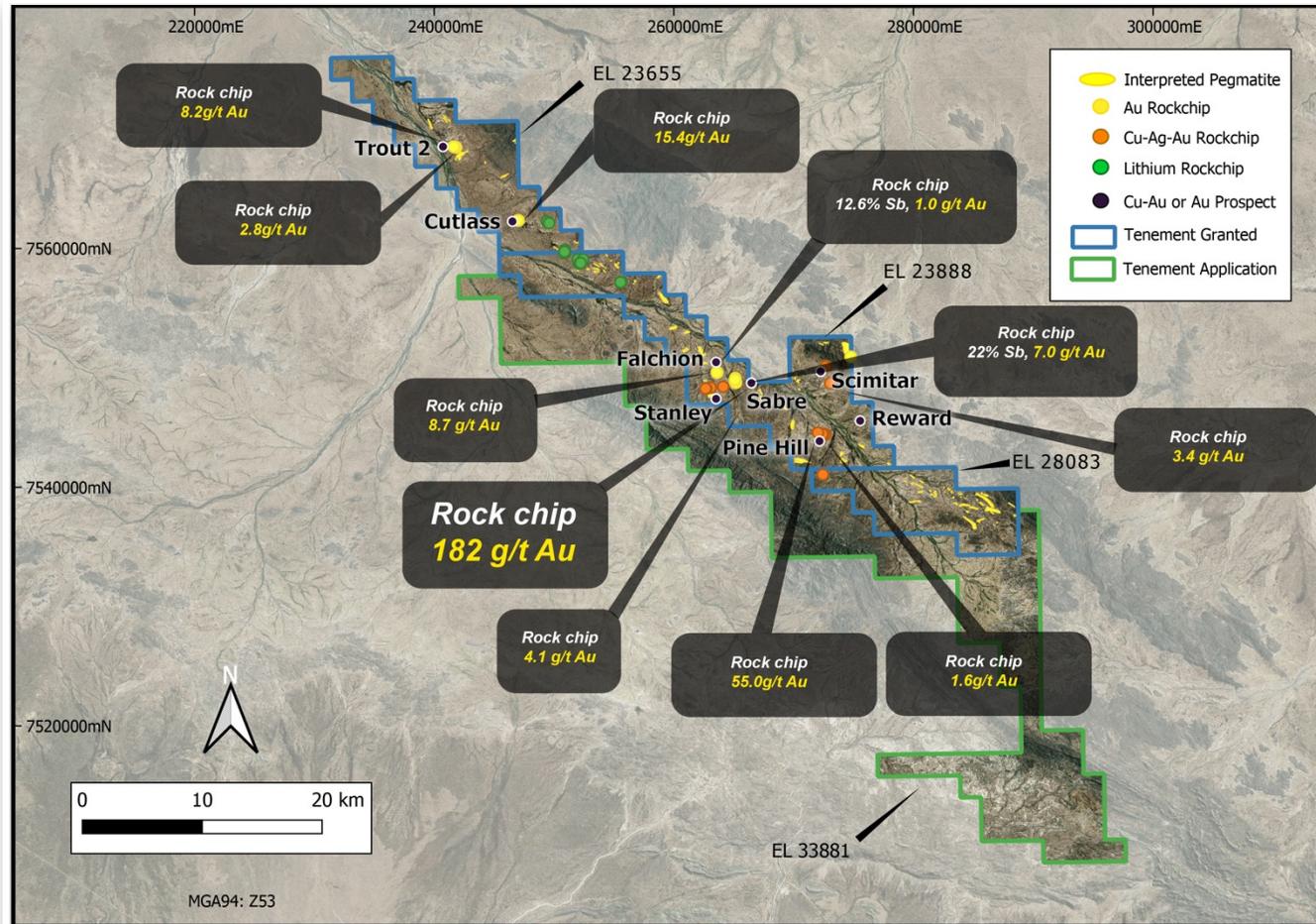
- **Sabre Prospect**
 - 17m @ 3.93g/t Au from 13m
 - including 2m @ 18.15g/t Au from 20m
 - 24m @ 2.6g/t Au from 36.5m
 - 33m @ 2.3g/t Au from 18m
- **Reward Prospect**
 - 20.3% Cu, 191.0 g/t Ag 0.3g/t Au (Rock chip)
 - 17.8% Cu, 233.0 g/t Ag 0.9g/t Au (Rock chip)
 - 17.8% Cu, 271.0 g/t Ag, 0.6g.t Au (Rock chip)
 - 6m @ 2.10g/t Au from 15m
- **Scimitar Prospect**
 - 7.5g/t Au, 783g/t Ag and 5.4% Cu (Rock chip)
 - 2.4g/t Au, 241g/t Ag and 19.3% Cu (Rock chip)
 - 96.8g/t Ag, 2.8% Pb (Rock chip)
- **Falchion Prospect**
 - 29 m @ 2.32g/t Au
 - 12m @ 3.76g/t Au
 - 16m @ 3.67g/t Au
 - 11m @ 4.0g/t Au, 4.45% Sb, 1,530ppm As and 382ppm Pb
 - 3m @ 2.2g/t Au, 2.57% Sb 5,550ppm As and 1.4% Pb

UNDERSTANDING THE MINERALISATION

- Ongoing mapping and sampling campaign
- Covering ~ 60 km of mineralised trend
- Focussing on copper-gold and epithermal gold-antimony systems



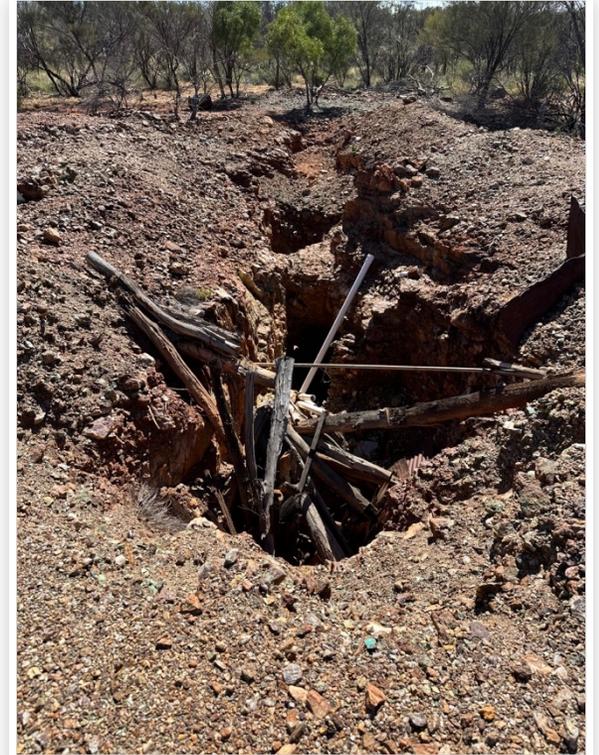
*Collecting rock chip samples
at the Scimitar Prospect*

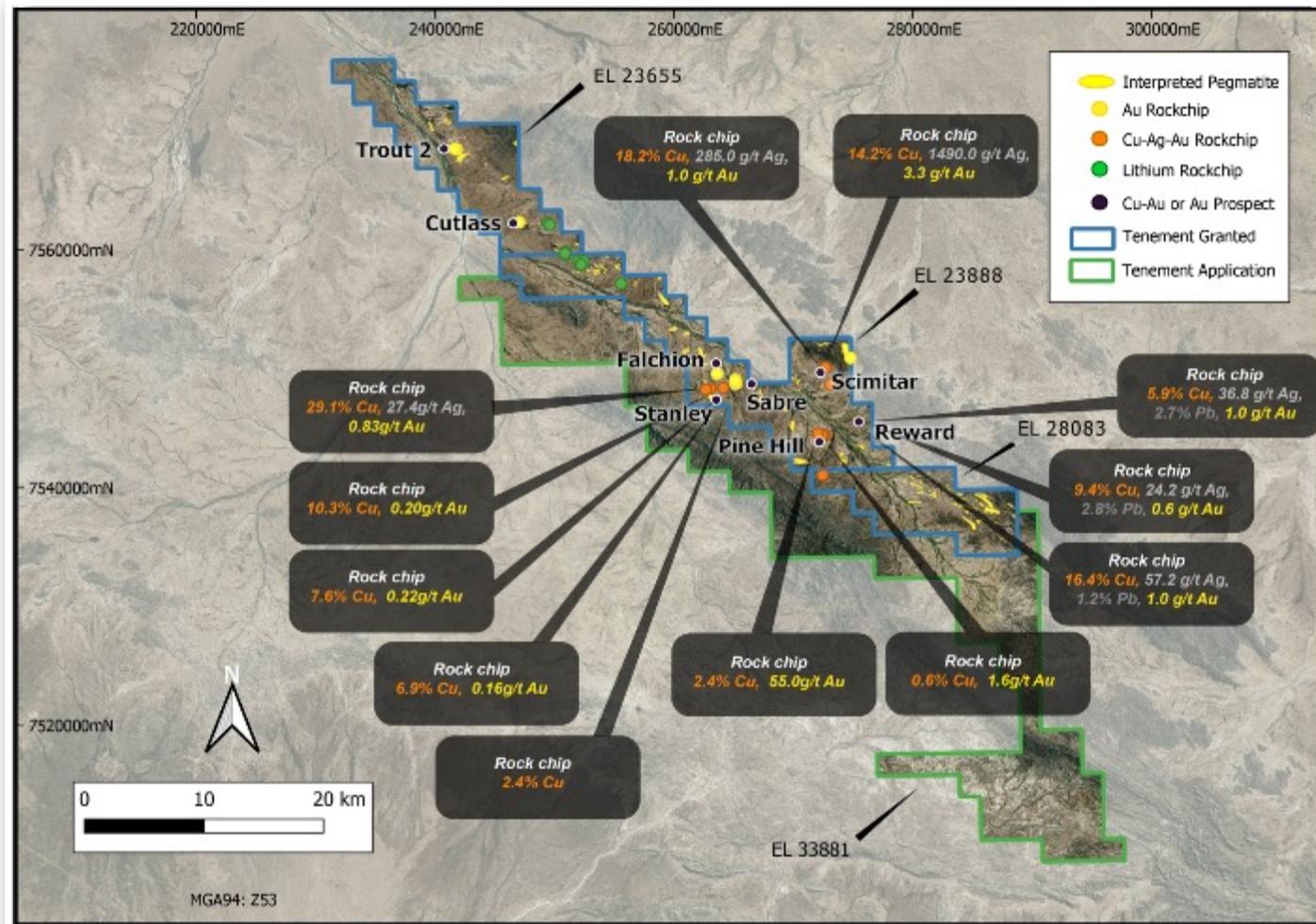


GOLD ROCKCHIP RESULTS

- Fast tracked results for gold assays from rock chips at Reynolds Range have returned up to **182 g/t Au**
- Numerous outcropping low-sulphidation gold style veins systems were identified and sampled at the Sabre, Falchion, Cutlass and Trout prospects
- New mineralised trend identified over 1km south-west of Sabre with rock chips returning up to **4.1 g/t Au** and at Cutlass with a **15.4 g/t Au** rock chip
- Mapping and sampling have confirmed the potential for widespread copper, gold and silver mineralisation across the ~70km of strike Lander Shear Zone covered by the tenement package
- The iTech team is currently defining drill targets for both the copper-gold and gold only systems

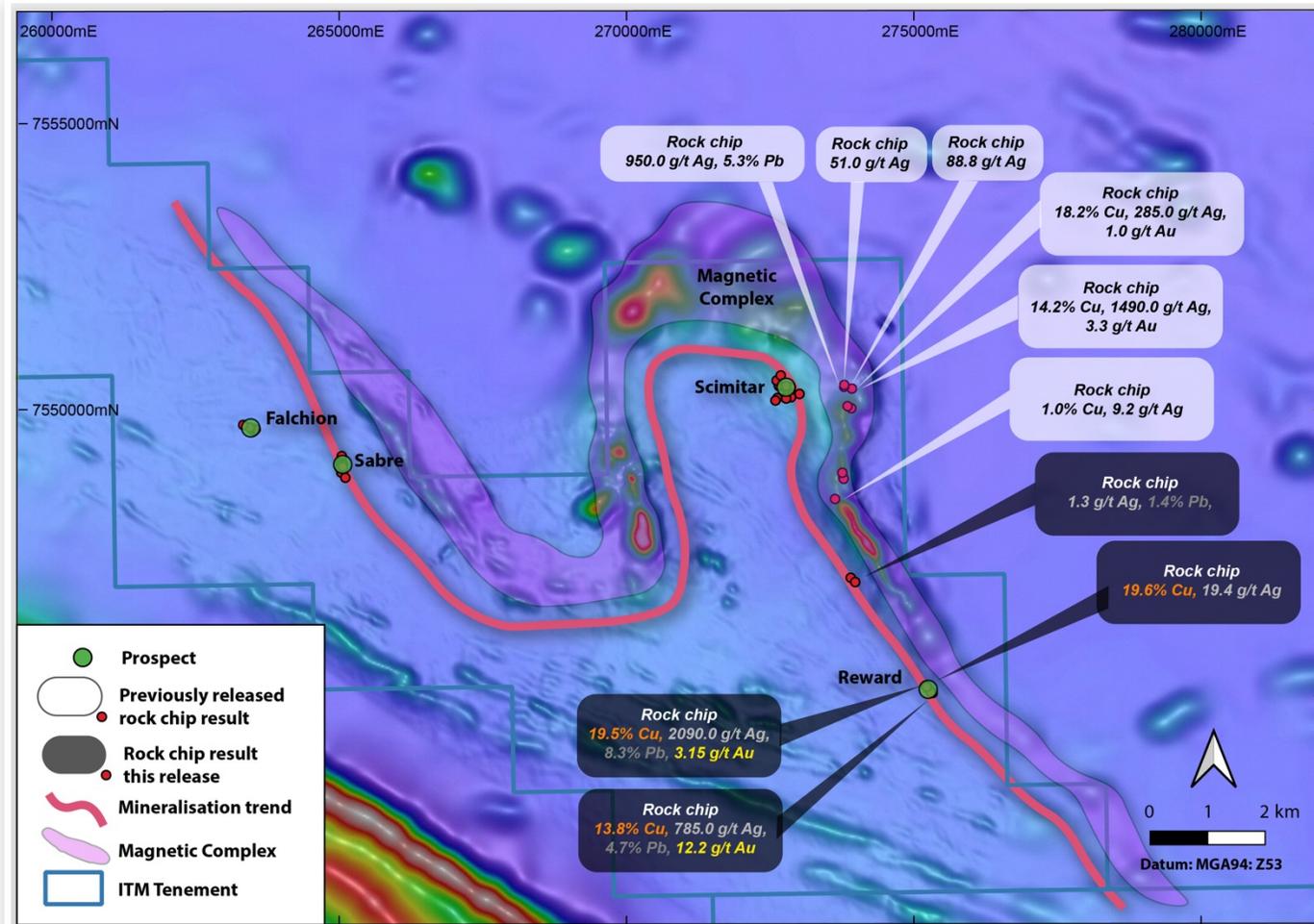
COPPER-SILVER-BASE METAL ROCKCHIP SAMPLING PROGRAM





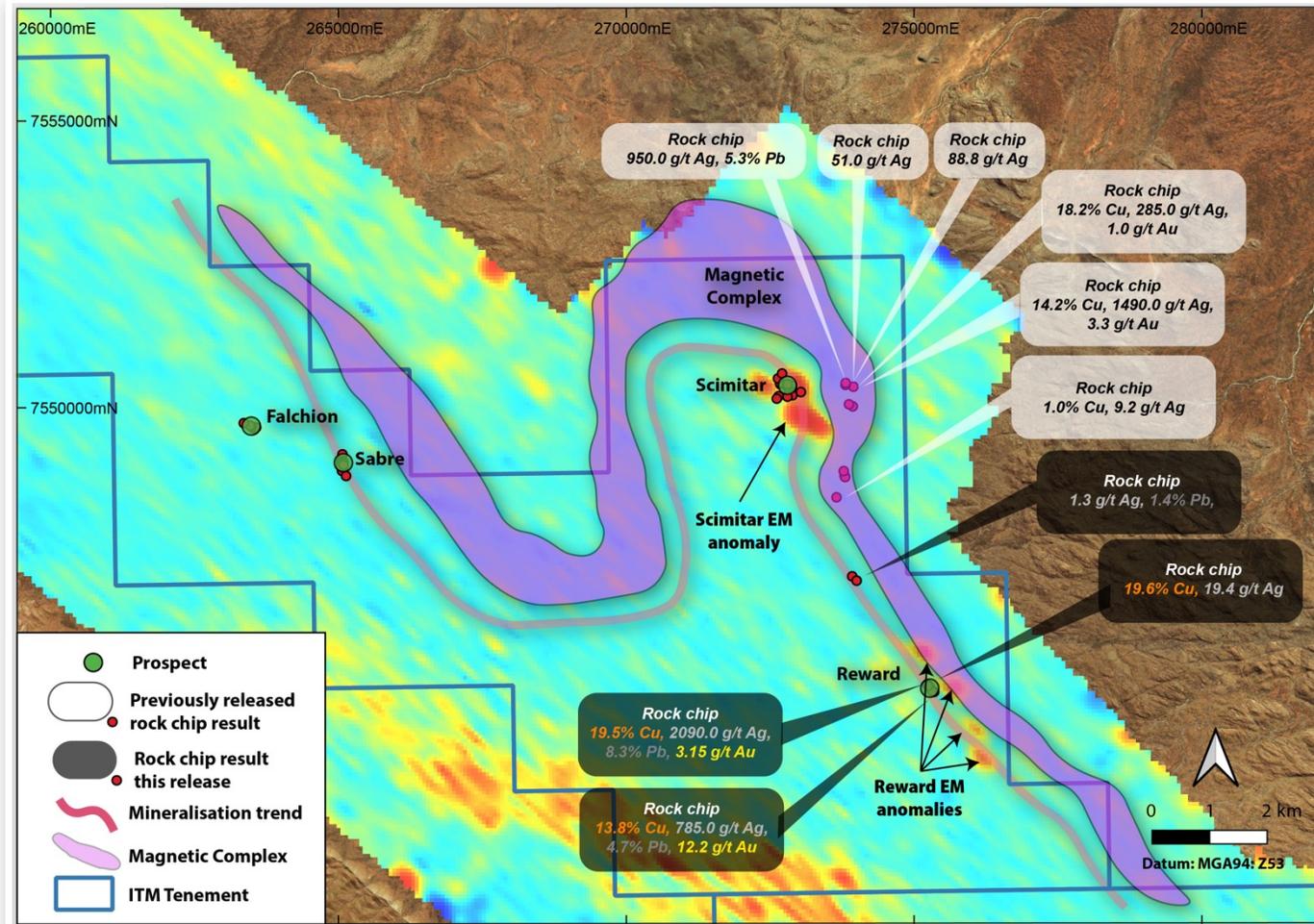
COPPER-SILVER-LEAD ROCKCHIP RESULTS

- Rock chips at Reynolds Range have returned up to
 - 18.2% Cu, 1.0 g/t Au and 285 g/t Ag
 - 14.2% Cu, 3.3 g/t Au and 1490 g/t Ag
 - 19.5% Cu, 3.3 g/t Au and 2,090 g/t Ag
 - 19.6% Cu and 12.2 g/t Au and 785 g/t Ag
 - 13.8% Cu and 19.4 g/t Ag
 - 950 g/t Ag, 5.3% Pb



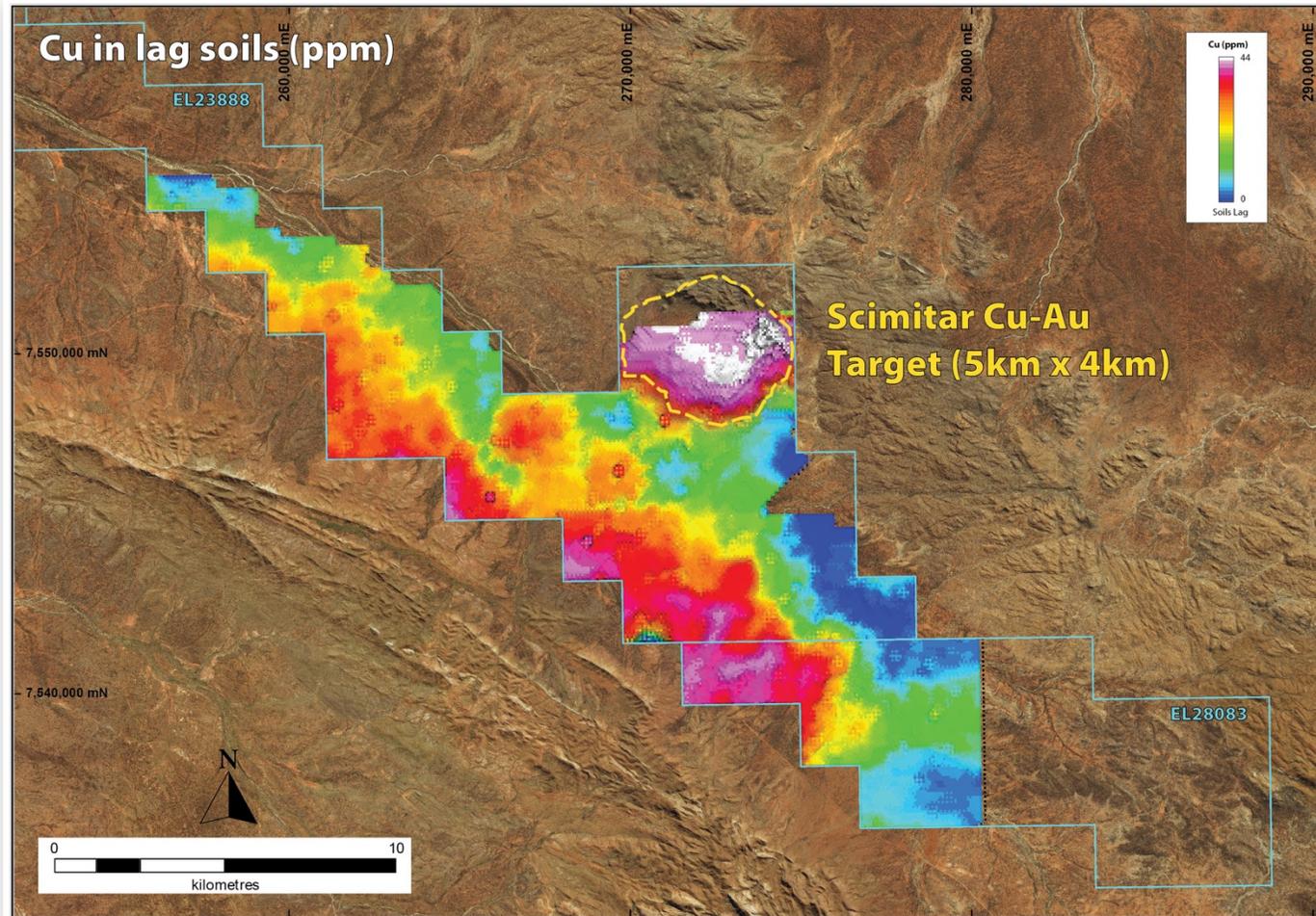
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 - 950 g/t Ag, 5.3% Pb
- Polymetallic style of mineralisation, possible VMS at Scimitar and Reward
- >26km of new VMS prospective horizon



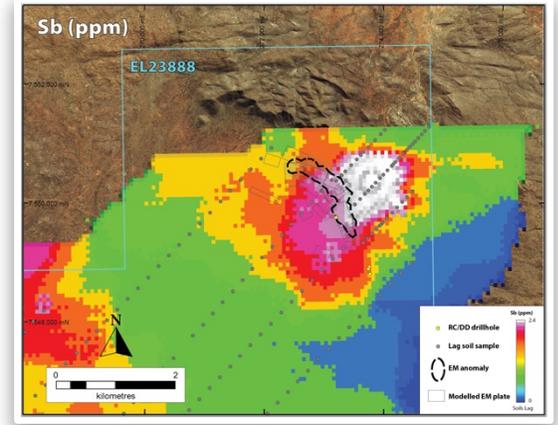
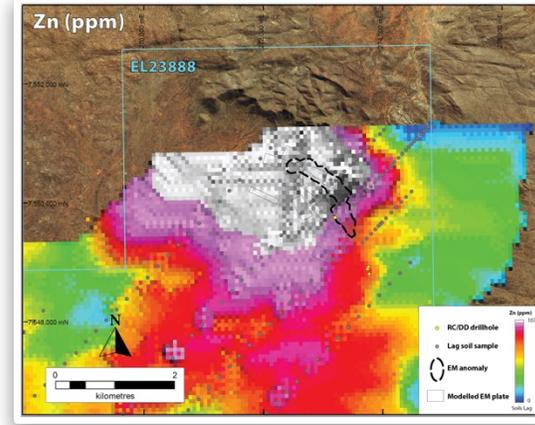
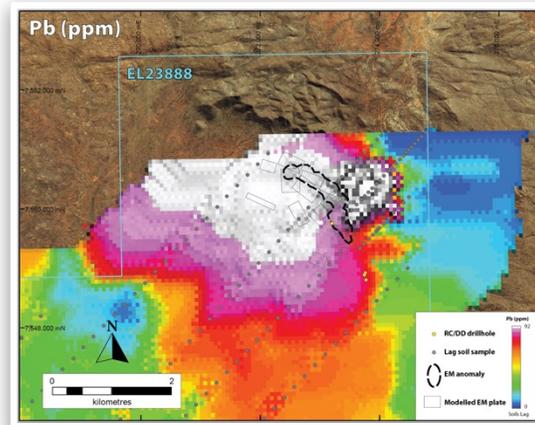
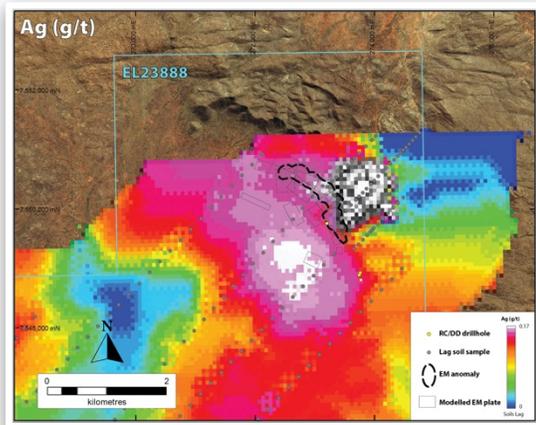
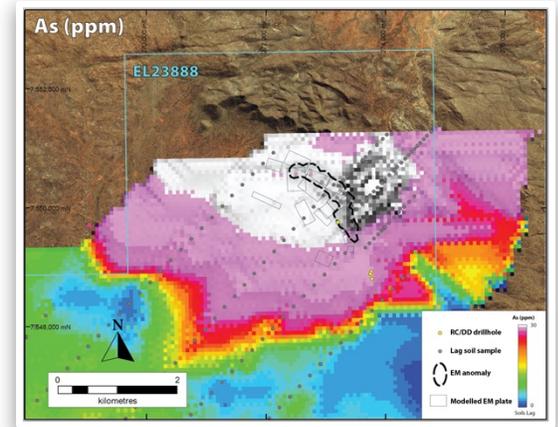
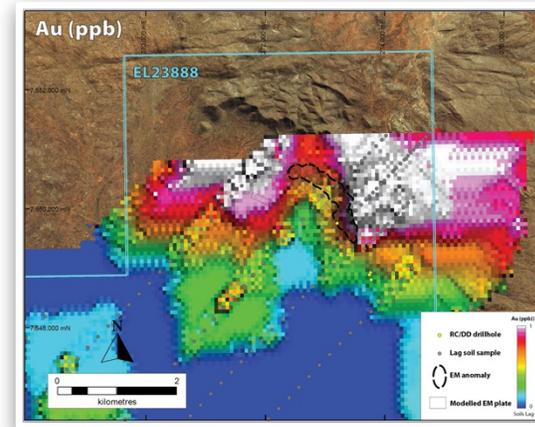
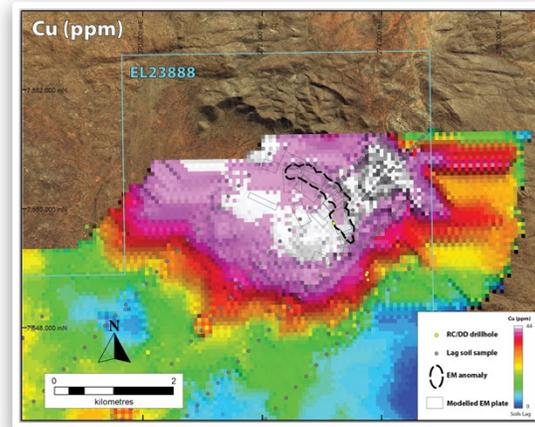
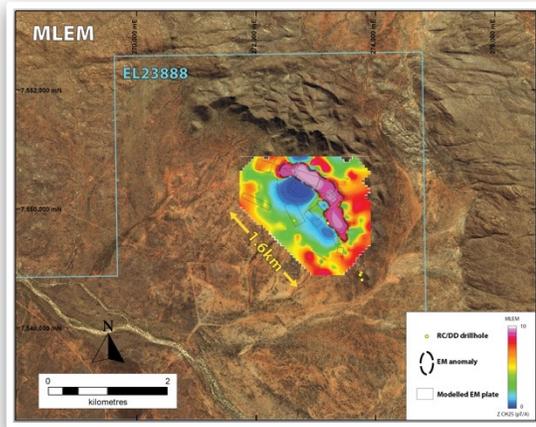
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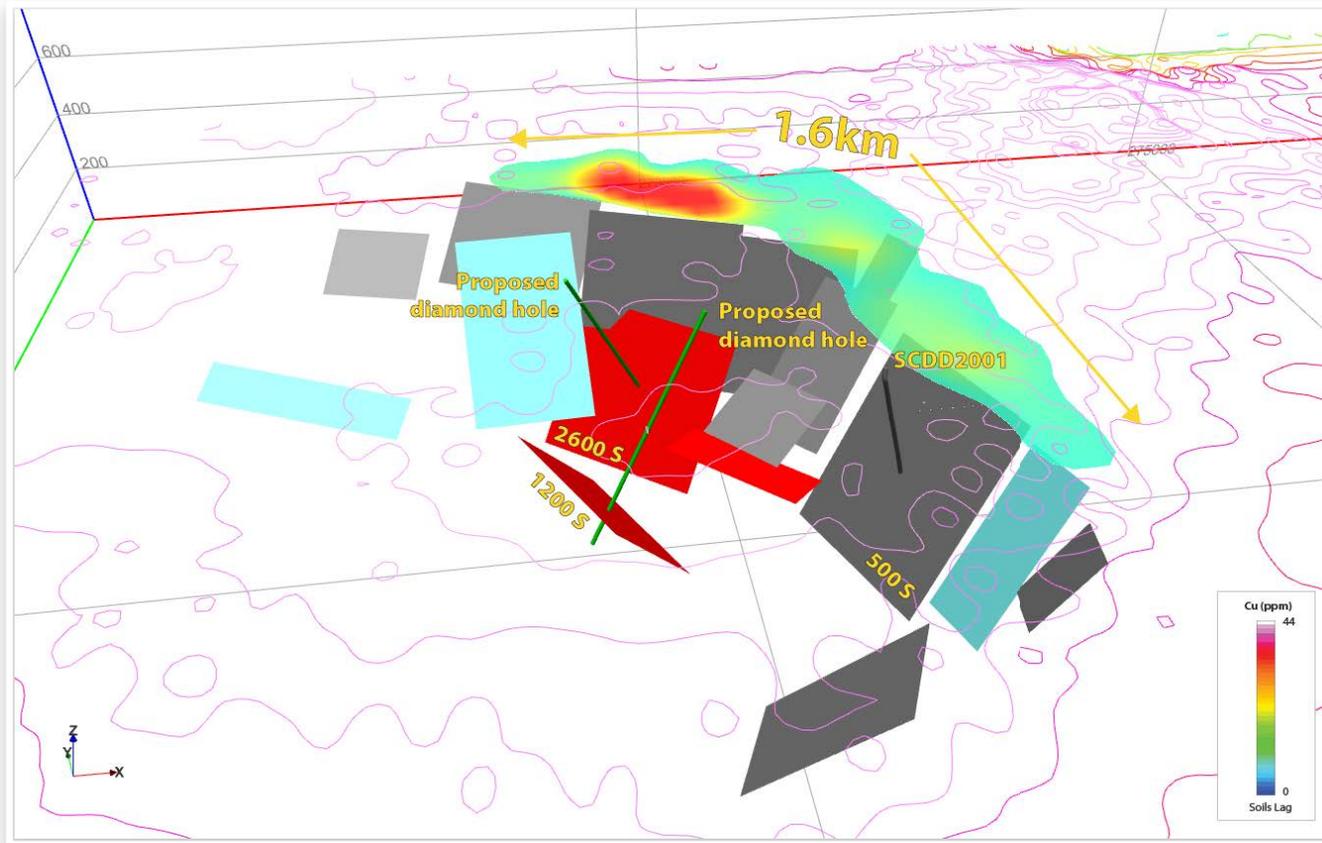
**SCIMITAR COPPER - GOLD PROSPECT
5KM X 4 KM LAG SOIL ANOMALY**

SCIMITAR COPPER - GOLD PROSPECT MULTI-ELEMENT LAG SOIL ANOMALY



SCIMITAR-REWARD AREA EXAMPLES OF SURFACE COPPER MINERALISATION





3D EM Model of Scimitar Target

SCIMITAR COPPER GOLD PROSPECT HIGH-PRIORITY DRILL TARGETS

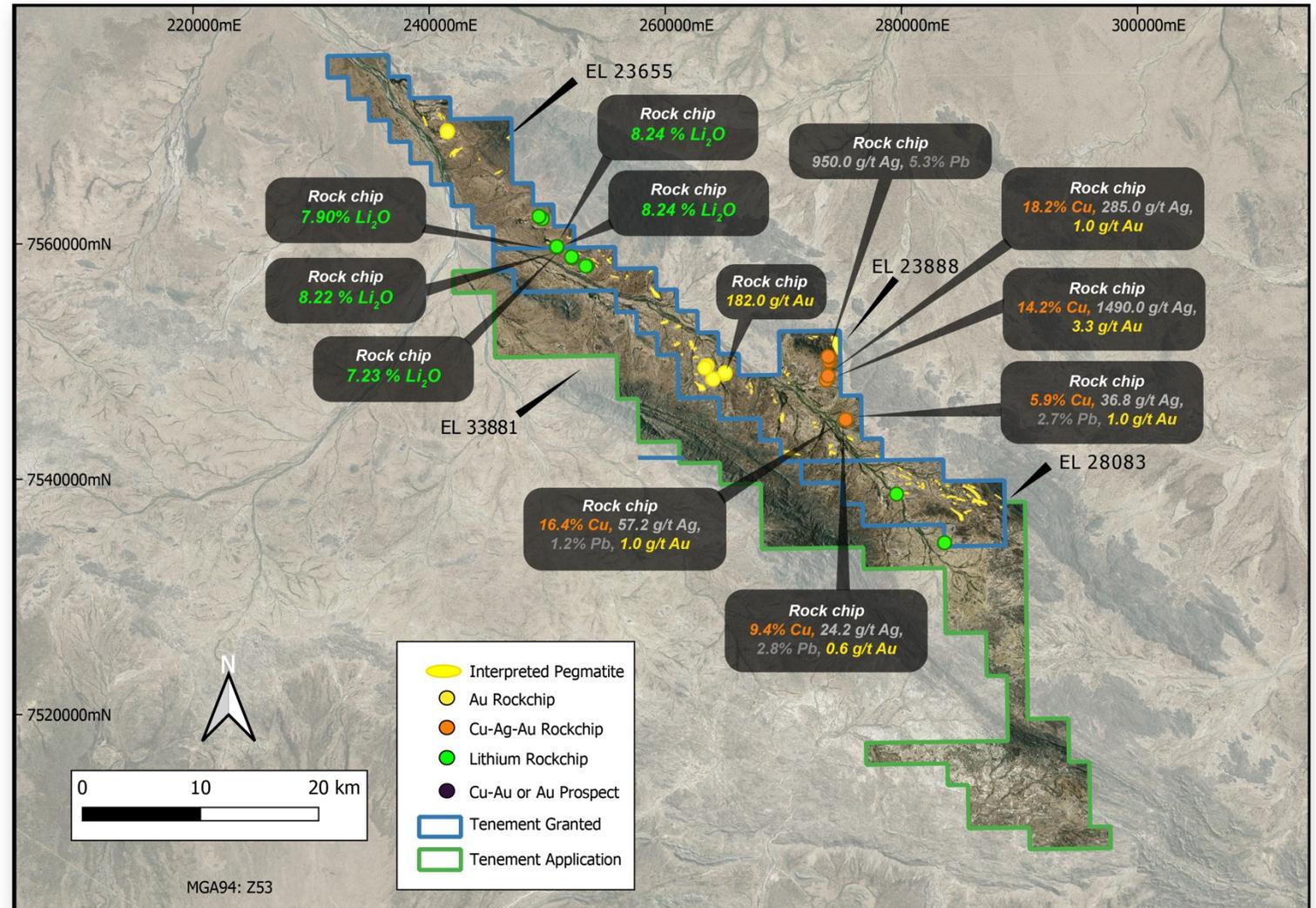
- Historical diamond drill hole was drilled into smaller EM target
- Identified base metal veining but didn't hit EM target
- Second planned hole into larger EM target never drilled due to bad weather and closed roads
- 2600, 1200 and 1000 SI EM anomalies remain untested
- Compelling short term drill target



Sample from malachite outcrop at Scimitar

EXPANDING iTech'S FOOTPRINT IN THIS PROSPECTIVE REGION

- New tenement application to the south
- When granted, will increase landholding by >100%
- Covers same prospective trend for copper-silver-gold and low sulphidation gold systems
- Covers additional outcropping pegmatites for lithium mineralisation



DEVELOPING A GRAPHITE RESOURCE



- **100% owned by iTech Minerals**
- De-risked opportunity to supply spherical graphite into the battery markets
- JORC 2012 graphite resource of 35.2Mt @ 6.0% Total Graphitic Carbon (TGC)
- Granted mining lease and 2 multipurpose leases for processing and water infrastructure
- Demonstrated processing of Campoona ore into high purity concentrates, 94% and 99.99% Total Graphitic Carbon
- Proven production and testing of spherical graphite suitable for lithium-ion battery applications
- Potential to expand resources with ET of 158 - 264 Mt @ 7 - 12 % TGC at Sugarloaf¹
- Resource expansion drilling program completed at Lacroma Central

¹ *Exploration Target – the potential quantity and grade of the Exploration Target reported are 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.*



THEN

PRE 2024 RESOURCES

2023 Global Resource = 8.5Mt @ 9.0% TGC

- **Current:**
~10-year mine life @ theoretical 50,000 t.p.a concentrate operation



Learn more about the
Mineral Resource Update



NOW

INCLUDING NEW RESOURCES FROM LACROMA

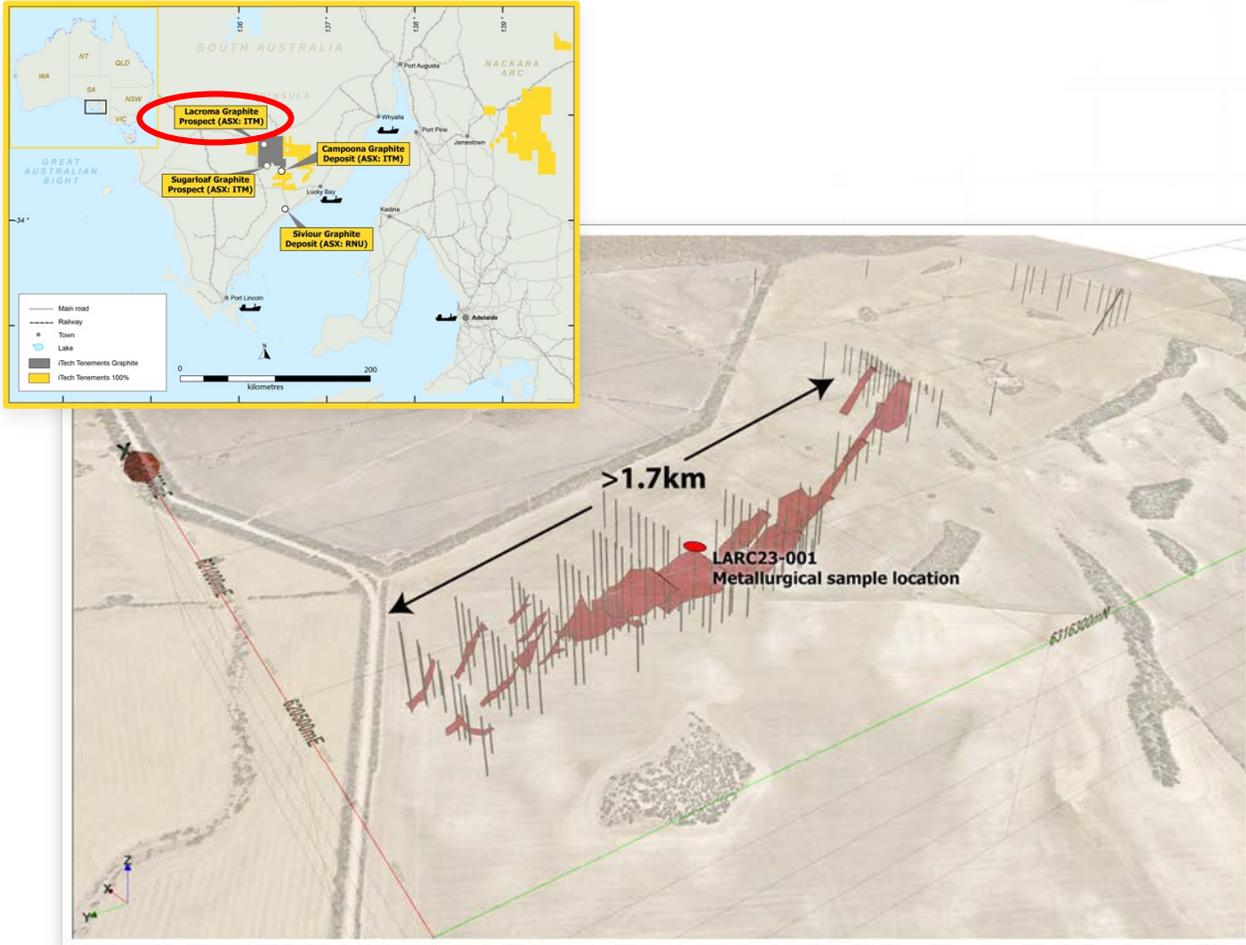
2024 Global Resource = 35.2Mt @ 6.0% TGC

- **Current:**
>30-year mine life @ theoretical 50,000 t.p.a concentrate operation
- **Sugarloaf Target:**
Potential to expand resources with ET of **158 - 264 Mt @ 7 - 12 % TGC**
- Assuming conservative additional 150 Mt from Sugarloaf would add mine life of 150 years @ 50,000 t.p.a. (>180 years)
- Expanding to 150,000 t.p.a. gives a mine life of >60 years

ITECH IS DEVELOPING A RANGE OF PRODUCTS FROM ITS AUSTRALIAN GRAPHITE DEPOSITS

PRODUCT	MARKET	IN DEVELOPMENT	PROOF OF CONCEPT & FLOW SHEET	PRODUCTION
iPHITE	<ul style="list-style-type: none"> -100 Mesh 94% TGC graphite concentrate Precursor for battery anode material 	→		
iNODE	<ul style="list-style-type: none"> Uncoated purified spherical graphite Premium green battery anode material 	→		
iPHENE	<ul style="list-style-type: none"> High purity graphene Used in advanced technological applications 	→		
iCOAT	<ul style="list-style-type: none"> Additives for coating systems to improve performance Improved protection, conductivity, corrosion resistance 	→		
iCRETE	<ul style="list-style-type: none"> Additive to concrete Improved flexural and compressive strength, water resistance, environmental credentials 	→		





The Lacroma Graphite Deposit

iTECH DELIVERING A SIGNIFICANT INCREASE IN GRAPHITE RESOURCES

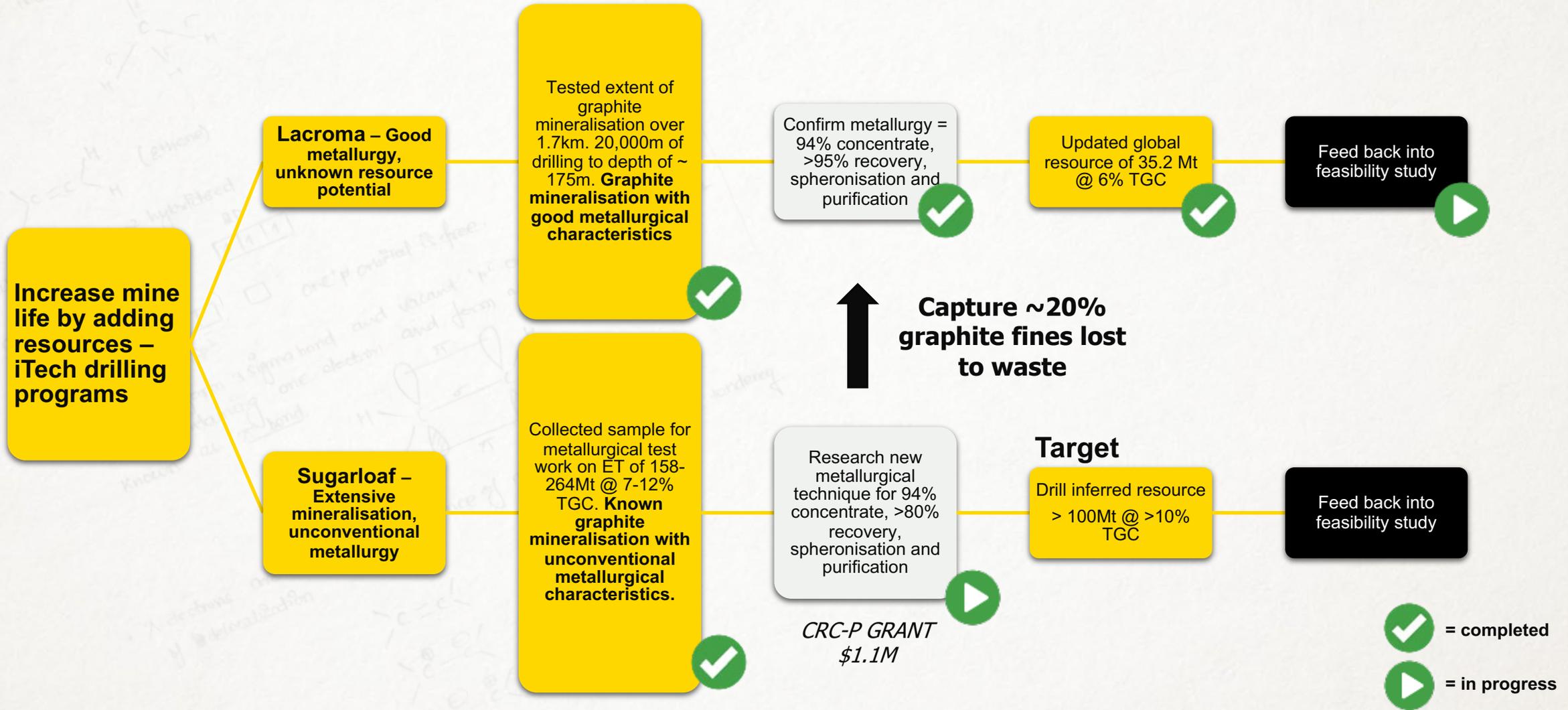
- Mineralisation occurs from surface with a shallow dip to the east, implying a low strip ratio and early delivery of product to market.
- Graphite mineralisation is highly weathered and dominantly clay hosted with potential for free dig in large sections of the deposit adding to the potential for low mining costs.
- The groundwater table is over 60-80m deep which alleviates problems with groundwater management, acid mine drainage and sulphide affecting flotation properties.
- All favourable for iTech's plan of establishing a low-cost, green graphite mining operation at Lacroma using the abundant renewable energy available in South Australia



SIMPLE GEOLOGY & SIMPLE METALLURGY

- Traditional flotation metallurgy works
- 94% TGC concentrate with 95% recovery

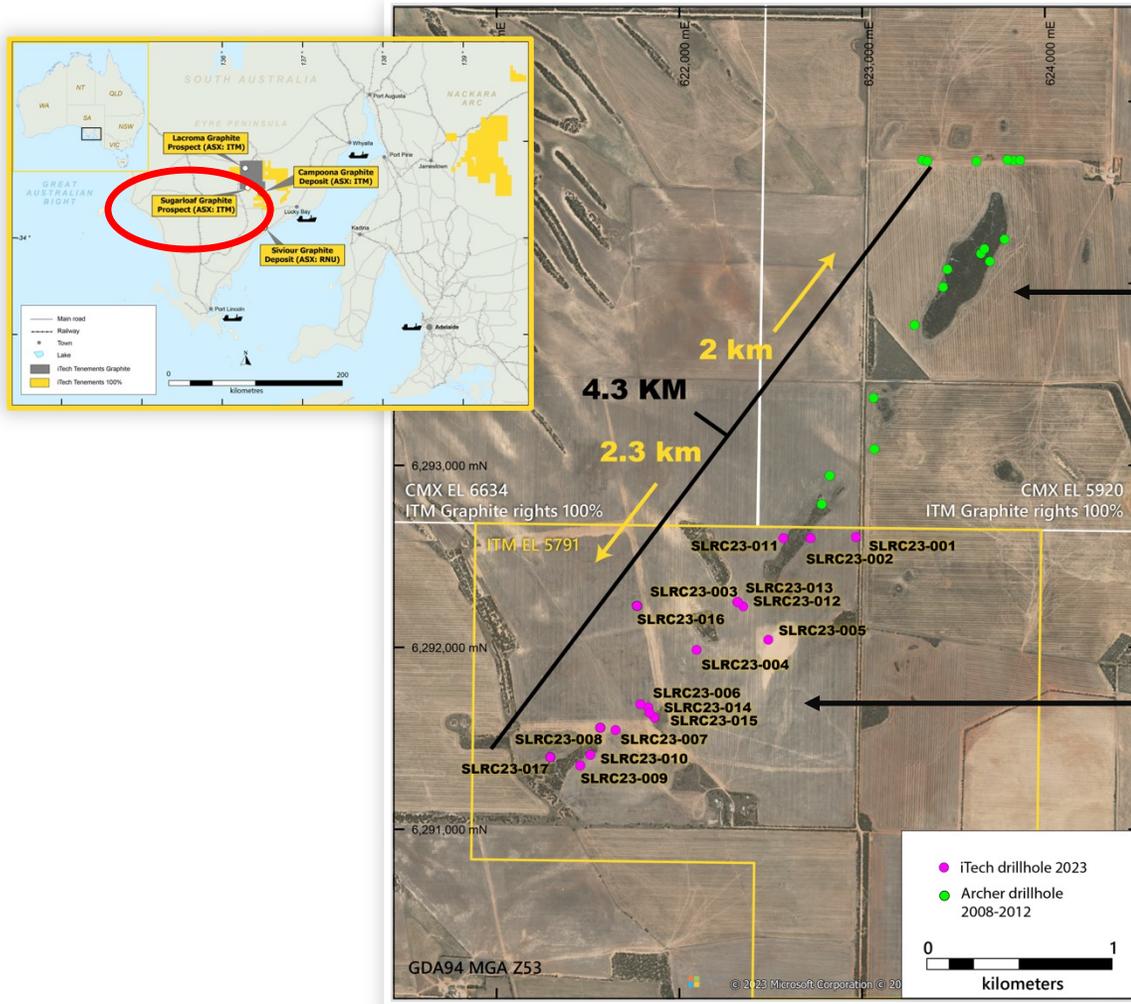




EYRE PENINSULA PROJECT

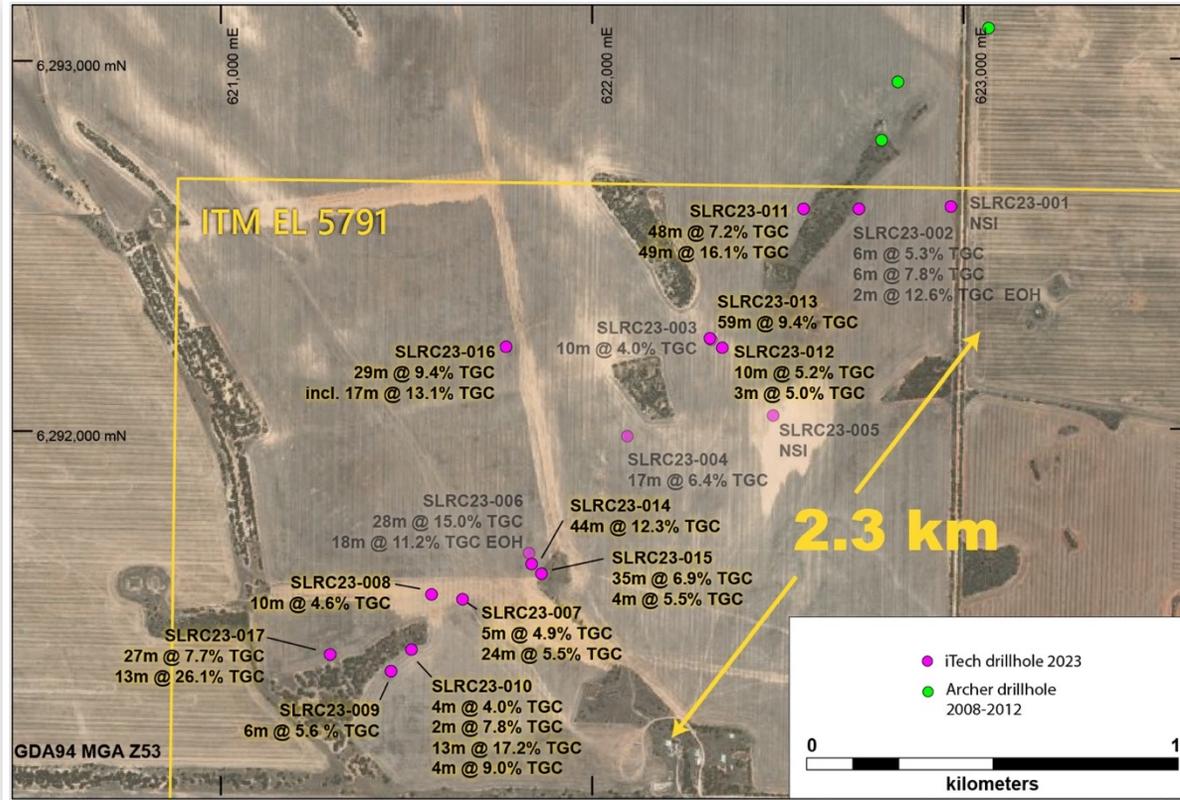
SUGARLOAF EXPLORATION TARGET





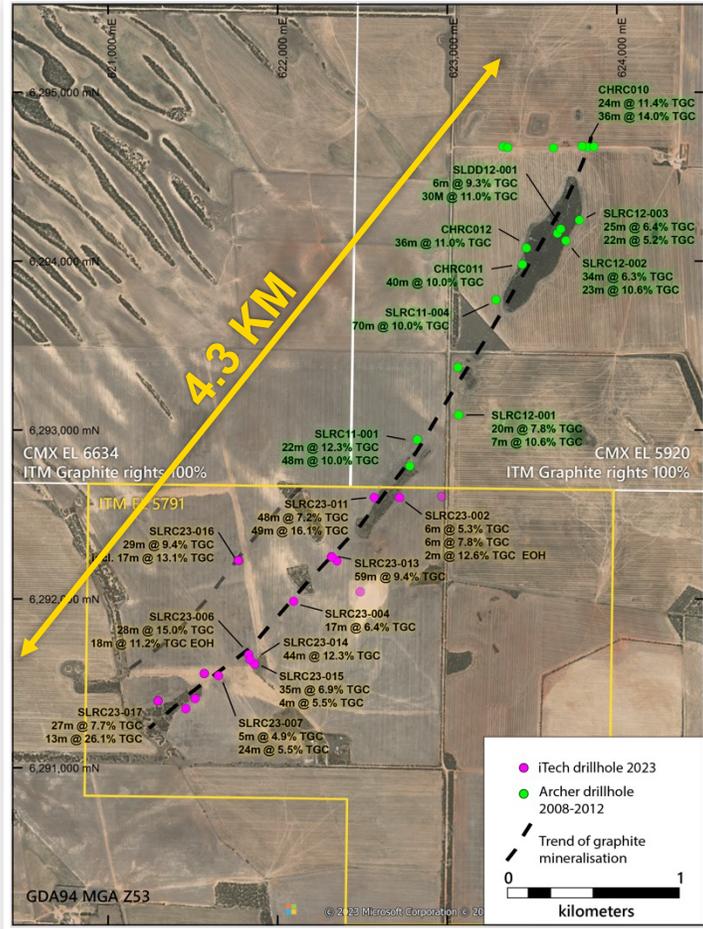
Historical drilling by Archer Materials (ASX:AXE)

2023 drilling by iTech Minerals (ASX:ITM)



BEST RESULTS INCLUDE:

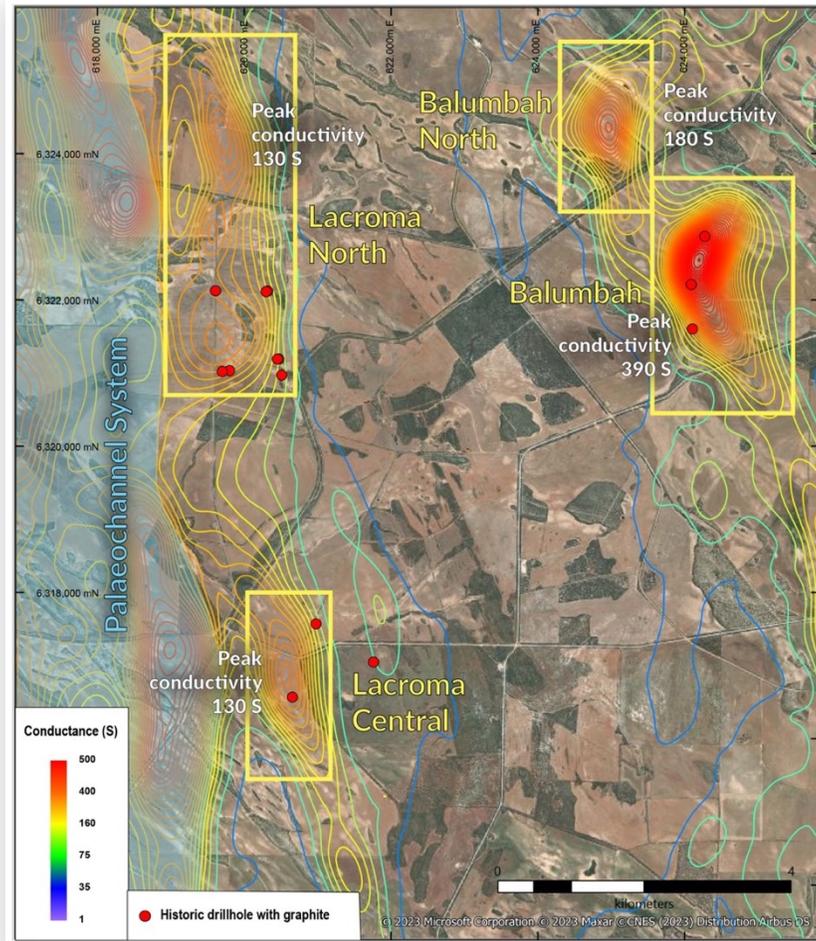
- SLRC23-006 – 28m @ 15.0% TGC from 75m and 18m @ 11.2% TGC from 114m, ended in mineralisation
- SLRC23-004 – 17m @ 6.4% TGC from 80m
- SLRC23-002 – 6m @ 5.3% TGC from 39m and 6m @ 7.8% TGC from 48m and 2m @ 12.6% TGC, ended in mineralisation
- SLRC23-003 – 10m @ 4.0% TGC from 5m
- SLRC23-017 – 27m @ 7.7% TGC from 8m and 13m @ 26.1% TGC from 73m
- SLRC23-010 – 13m @ 17.2% TGC from 42m
- SLRC23-011 – 48m @ 7.2% TGC from 5m and 49m @ 16.1% TGC from 68m
- SLRC23-016 – 29m @ 9.4% TGC from 23m including 17m @ 13.1% TGC from 28m
- SLRC23-014 – 44m @ 12.3% TGC from 74m
- SLRC23-013 – 59m @ 9.4% TGC from 7m



SUGARLOAF EXPLORATION TARGET¹ UNLOCKING THE METALLURGY WILL UNLOCK THE VALUE

- Potential to expand resources with ET of **158 - 264 Mt @ 7 - 12 % TGC** at Sugarloaf
- \$1.1M CRC-Project awarded to produce battery anode material from Sugarloaf graphite
- Partnering with Future Industries Institute, UniSA and METS Engineering on
 - efficient recovery of microcrystalline flake graphite from ore
 - spheroidization of the graphite allowing for greater efficiency in battery use
 - purification to 99.95% graphite suitable for lithium-ion batteries

Once complete, the resulting flowsheet is intended to produce ultra-pure, spherical graphite to feed the growing renewable energy and battery materials market.

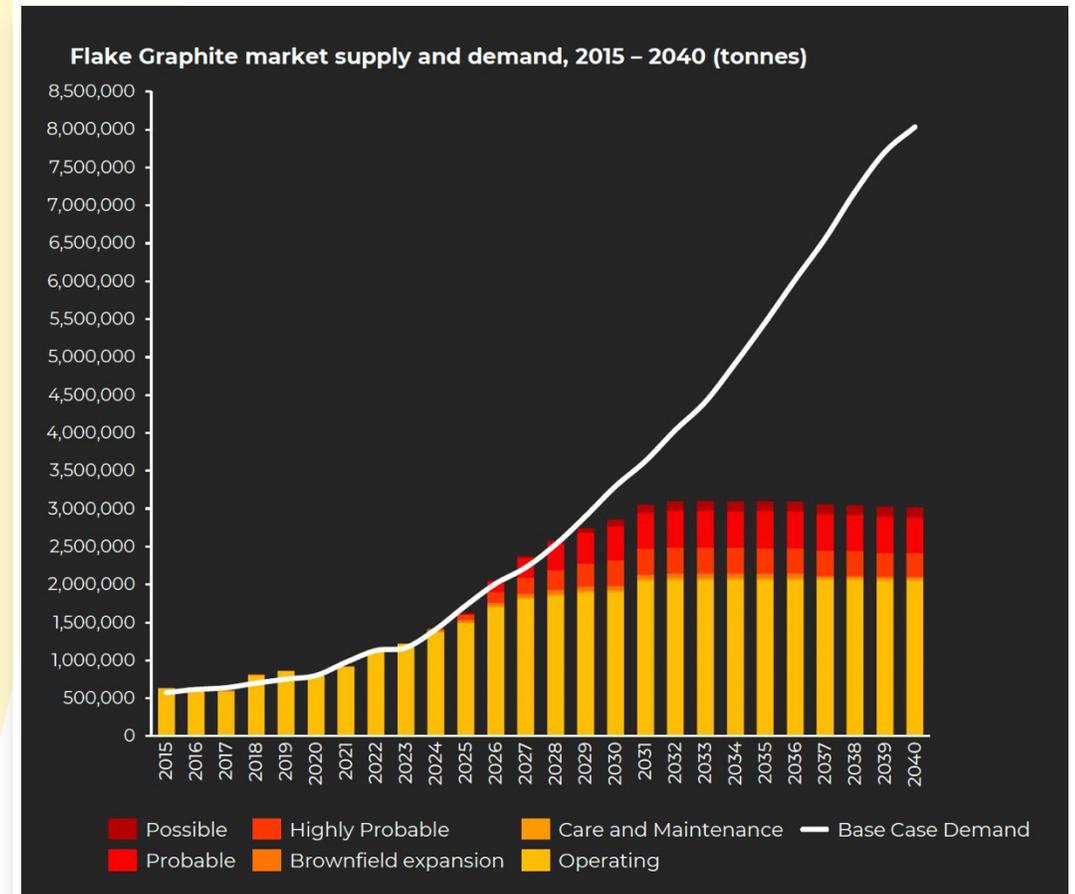


GROWING THE GLOBAL RESOURCE NEW TARGETS

Prospect	Lacroma Central	Balumbah	Balumba North
Length	2.3 km	3.0 km	1.5 km
Width	0.5 km	1.0 km	0.8 km
AEM Anomaly peak strength (50-100m)	130	390	180
Graphite in historical drilling	Yes, main zone appears to be 1.5km long, up to 95m thick	Yes, graphite in drill holes over 1.3km	No drilling
Best drill result	93m @ 6.9% TGC	Graphite logged in drill holes from 34-60m, ended in mineralisation	n/a
Cover/ palaeochannel sediments	Outcrops at surface	~30m of palaeochannel sediments over mineralisation	Unknown

iTECH'S GREEN GRAPHITE ADVANTAGE – LEVERAGED TO CAPITALISE ON A LOOMING GRAPHITE SHORTFALL

- iTech's projects have all the hallmarks of a low-cost operation
 - Excellent ore body geometry with mineralisation at surface.
 - Deeply weathered, low sulphide content and deep groundwater mean low mining and processing costs.
- Simple flotation flowsheet to achieve 94% TGC concentrate.
- Environmentally friendly HF-free purification to >99.95% TGC
- Proven downstream processing flowsheet to better than industry standard UPSG (uncoated spherical graphite).
- Located in South Australia, a tier 1 mining jurisdiction with abundant renewable energy and granted mining lease.
- Potential to exceed the ESG requirements of even the most discerning offtake partners.
- Situated to supply into the ex-China market with premium pricing.
- Market capitalisation is a fraction of industry peers.



Source: Benchmark Mineral Intelligence

INFORMATION

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iTech confirms that the Company is not aware of any new information or data that materially affects the information included in the announcement and all material assumptions and technical parameters underpinning the mineral resource estimates continue to apply and have not materially changed. 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 announcement.

The Mineral Resource Estimate (MRE) of 8.55Mt @ 9.0% TGC is comprised of 0.32Mt @ 12.7% TGC Measured MRE, 1.00Mt @ 9.1% TGC Indicated MRE and 7.23Mt @ 8.8% TGC Inferred MRE - "Replacement Prospectus" released on 19 October 2021.

The Mineral Resource Estimate (MRE) of 35.2Mt @ 6.0% TGC is comprised of 0.32Mt @ 12.7% TGC Measured MRE, 22.60Mt @ 5.3% TGC Indicated MRE and 12.23Mt @ 7.1% TGC Inferred MRE - "iTech Expands Graphite Mineral Resource by Over 300%" released on 1 July 2024.