

Dysprosium - Yttrium – Erbium

Heavy Rare Earth (HREE) in the Northern Territory

Discovery, Demand & Development

Annual General Meeting

12.30pm

The Celtic Club, West Perth WA

Monday 26 November 2012



TUC

RESOURCES

Video fly through of Stromberg Prospect (available on TUC website)



The Company - Introduction

TUC and the HREE Market

Stromberg Deposit - New Results

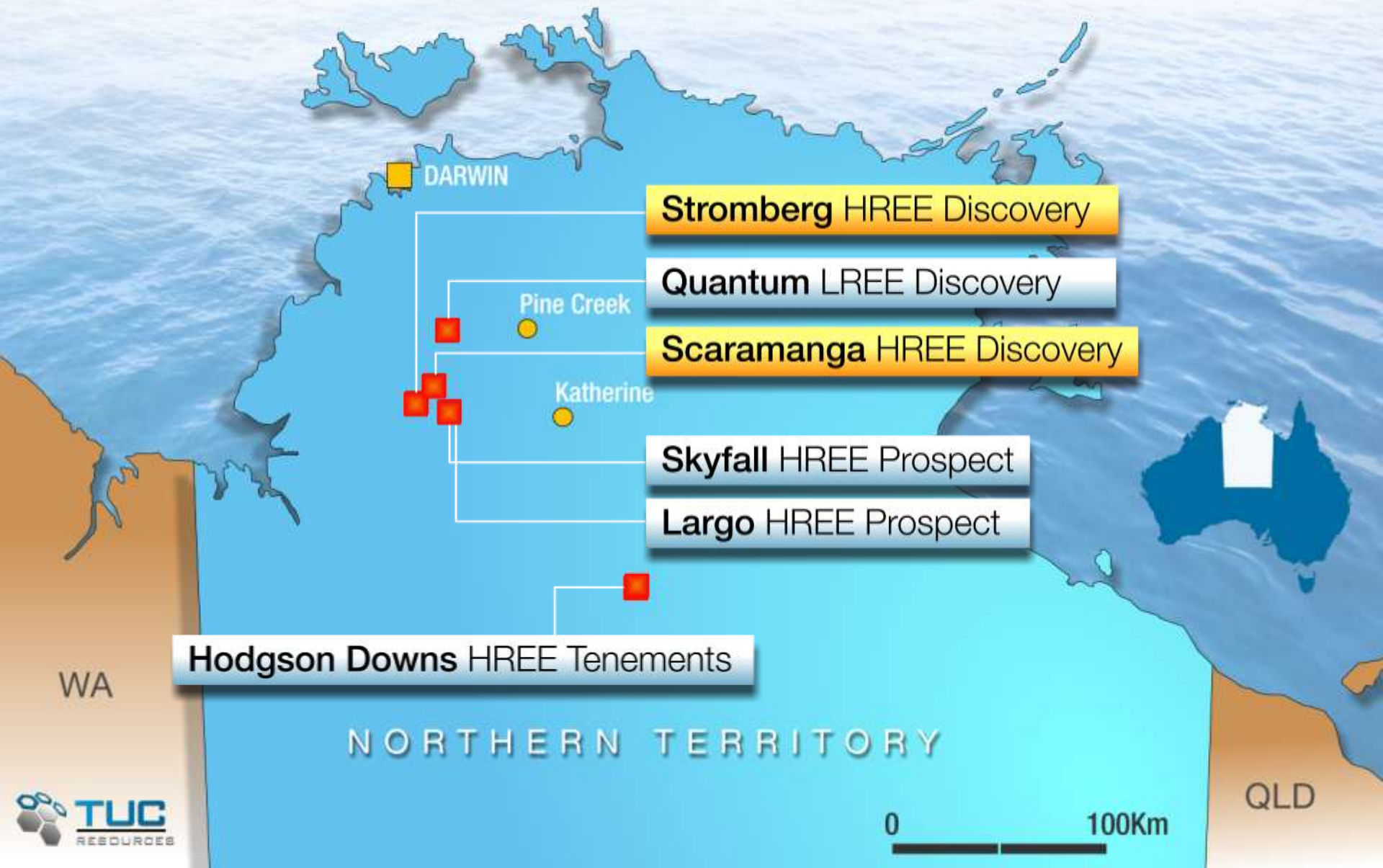
Exploration Breakthrough - Scaramanga - Stakeholders

Margin Drivers; Mining and Processing Costs and Price

Time to Market - TUC Advantage

Major Projects

NORTHERN TERRITORY



Shares 125 million A\$0.065

Options 2 free for 5 Shares A\$0.20 Ex. Price

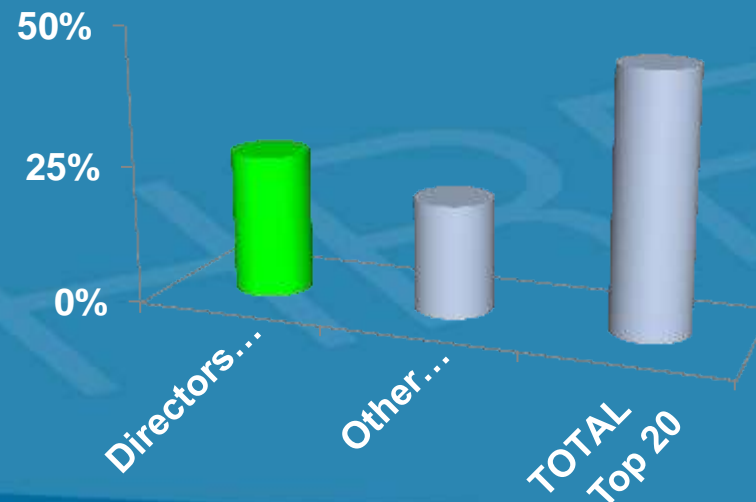
Market Cap \$A8 million

Shareholders +1200

Funds +A\$2 million (30 September 2012)

Register

As at 25 Sep 2012



An aerial night photograph of the Shanghai skyline, featuring the Oriental Pearl Tower and the Huangpu River. The city lights are reflected in the water, and the sky is a deep blue with some clouds.

By 2037, industry will need an annual supply of **Neodymium 700%** greater than is available now and more extraordinarily, **2,600%** more **Dysprosium** than the world (China) produces now.

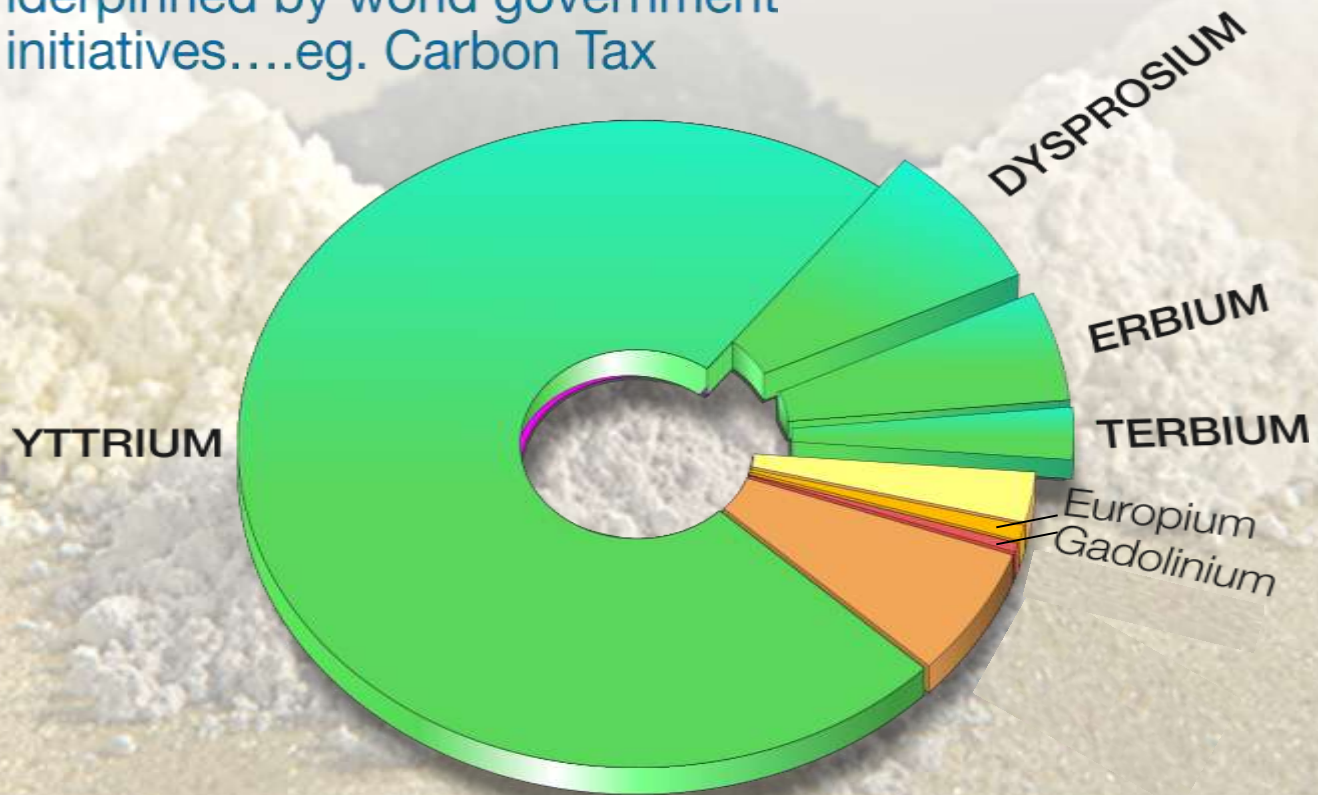
Source: **Robert Bromby** quoting from **Cientifica**: "Simply No Substitute" / MIT Research, Sep 2012

Stromberg Deposit

Heavy REE's  Light REE's

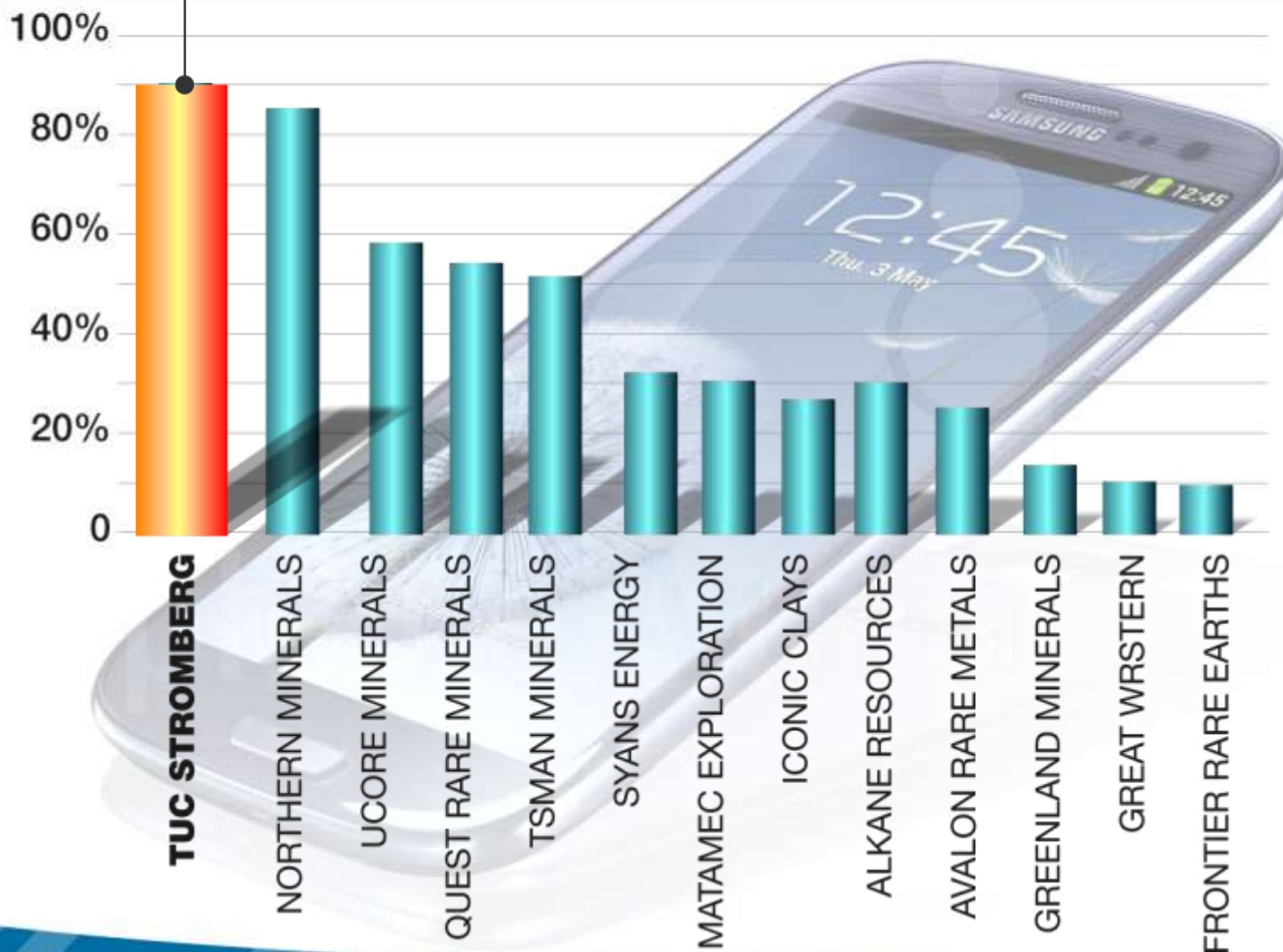
Higher priced critical metals

Demand is underpinned by world government clean energy initiatives....eg. Carbon Tax



Stromberg Deposit

No. 1 in terms of HREE Distribution

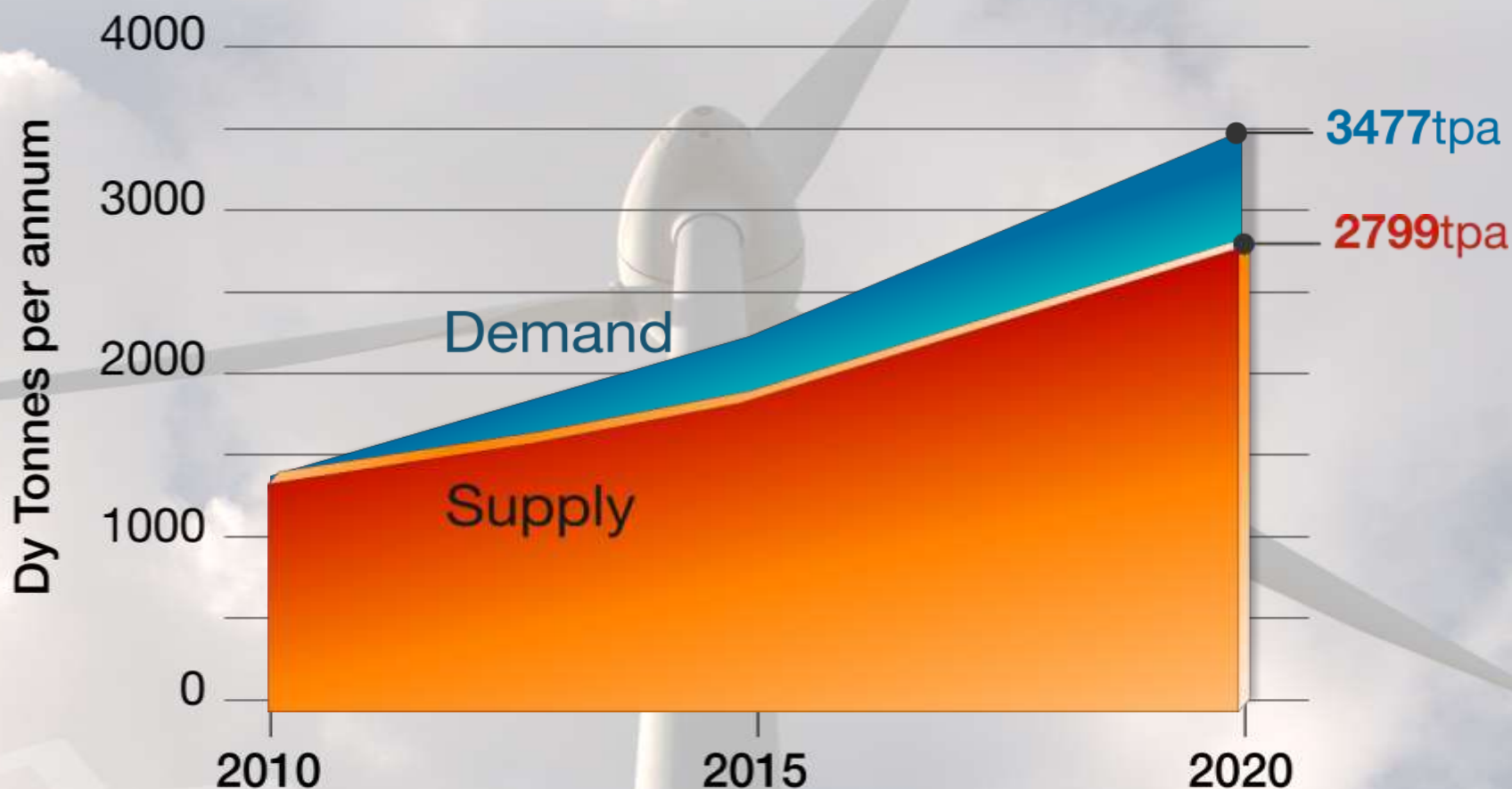


Dysprosium (Dy)

DEMAND/SUPPLY

Dysprosium is used in high temperature high efficiency fixed magnets in electric motors and power generation

Demand/Supply forecast to grow

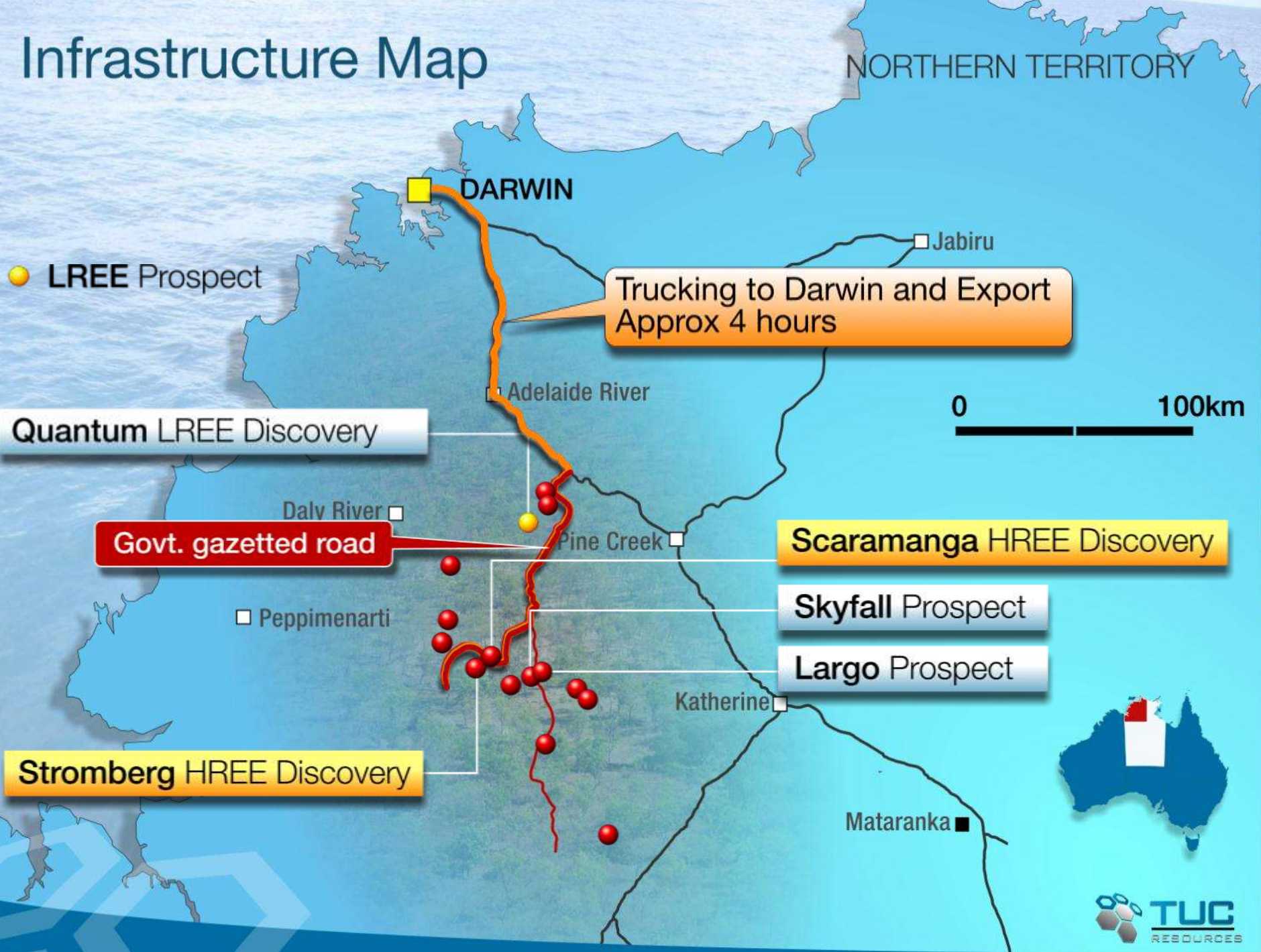




Recent drilling results increase potential

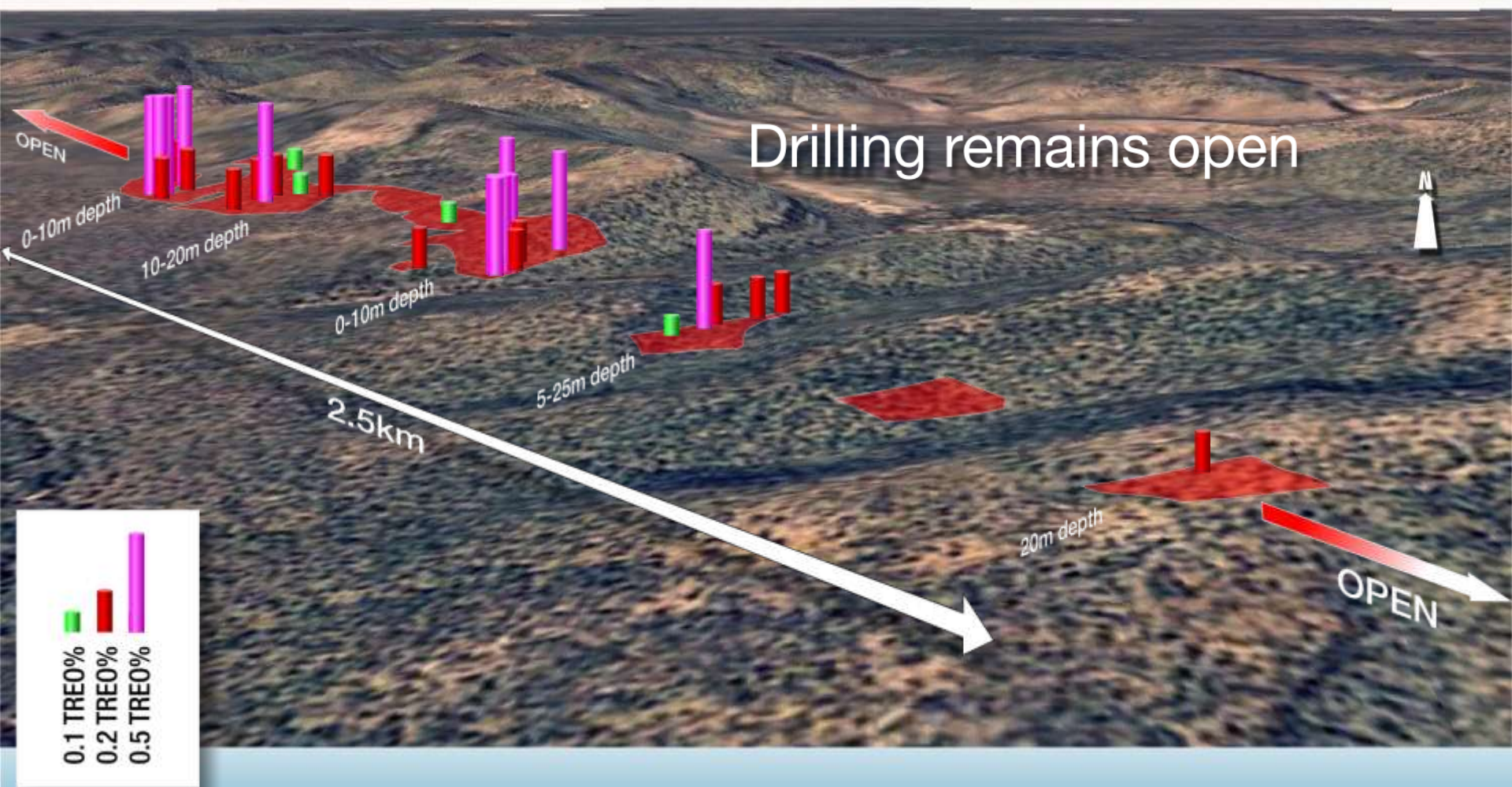


Infrastructure Map

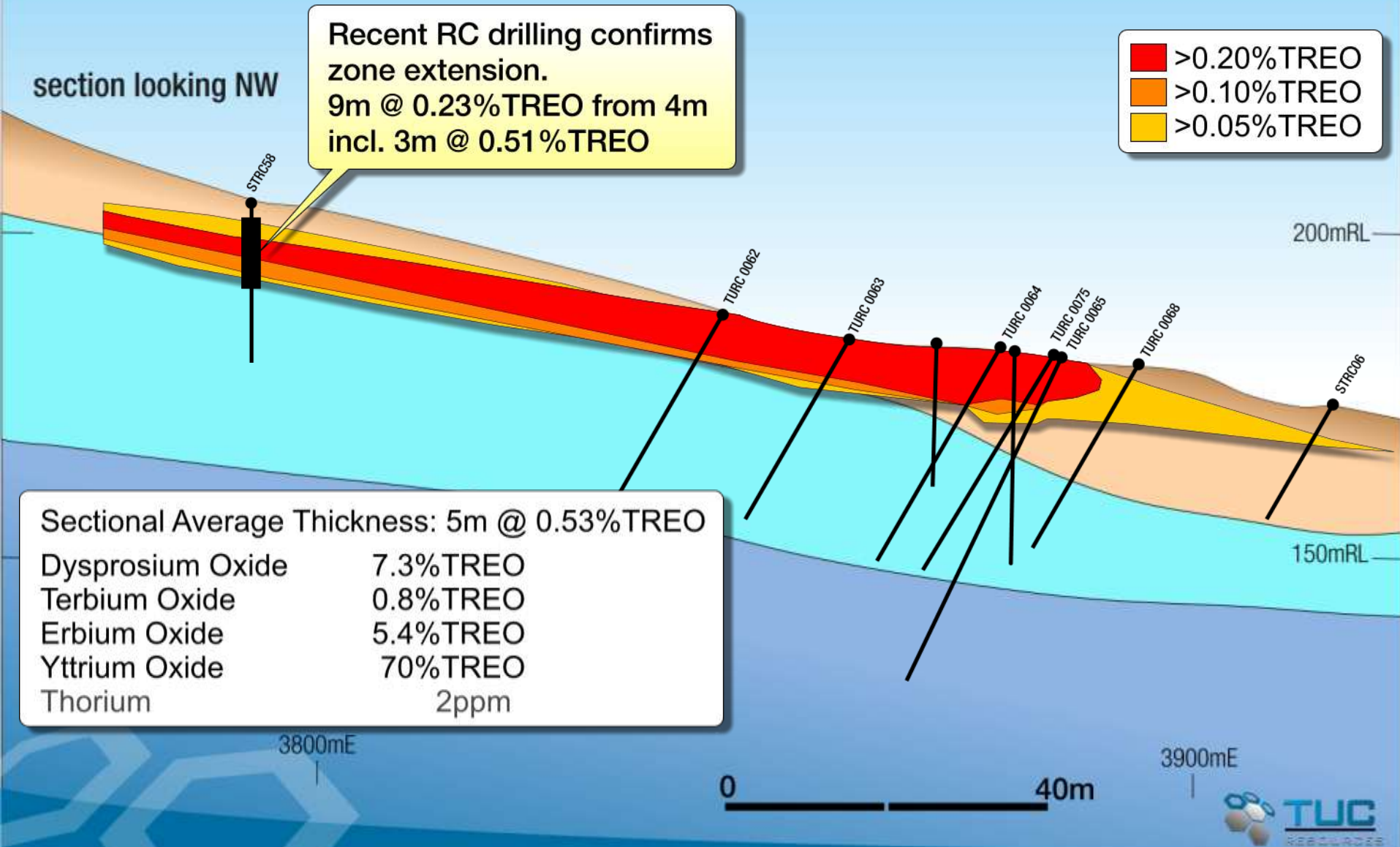


Clear Potential from Exploration Drilling

Maximum %TREO intercepts from RC drilling



Stromberg major stepouts substantially extend mineral inventory



Diamond Drilling Completed

- Mineralisation Extended
- Assays Pending
- Providing Samples For Next Stage Metallurgy





Another Discovery Scaramanga

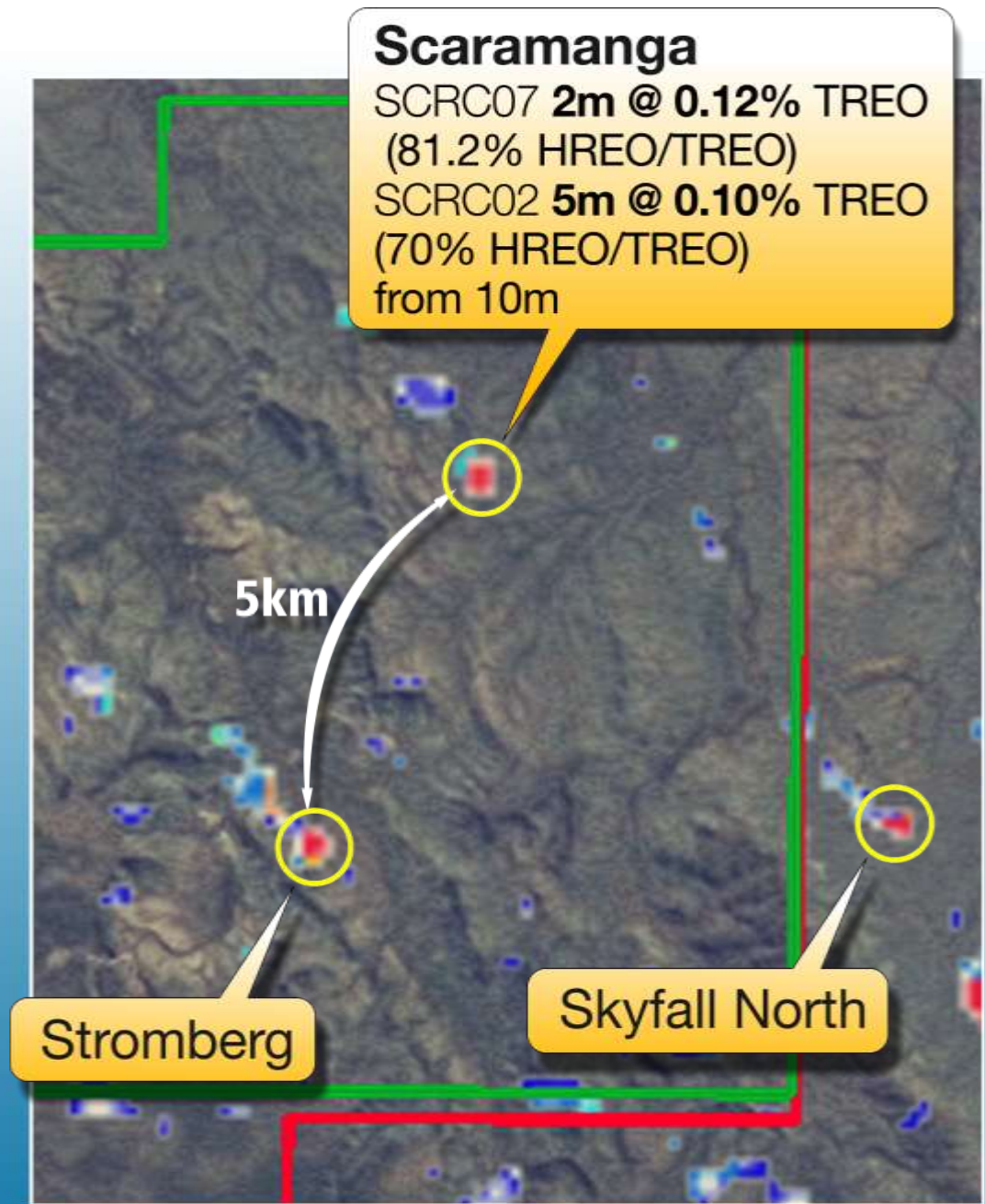
Exploration breakthrough
proves district potential

Scaramanga

Significant new results

Upside within a short distance
of Stromberg

Proves broader district
potential



Scaramanga Cross Section

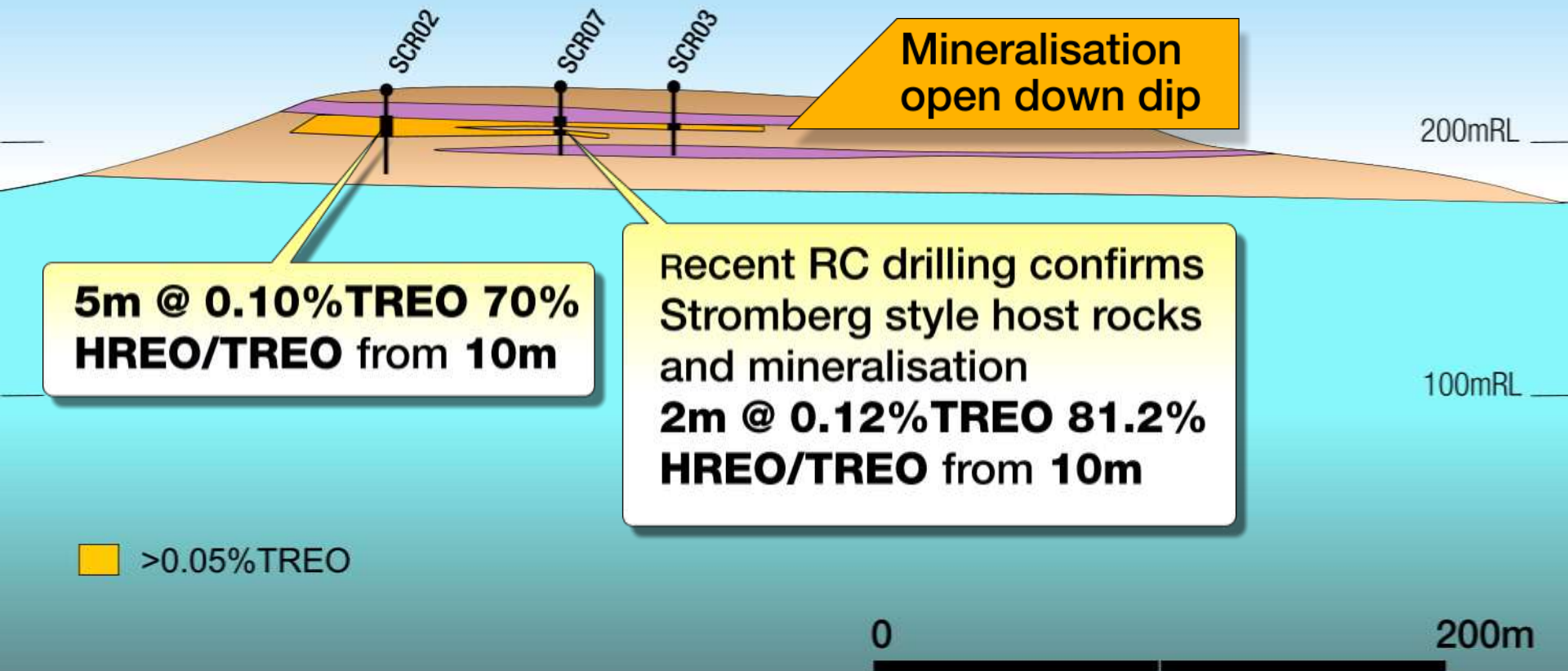
First pass broad spaced Drilling

Two distinct near surface HREE Horizons

Infill drilling planned

SE

NW



Stakeholder Engagement



On Friday September 14 2012
Verbal Consent was given to take the
highly prospective HREE tenement
ELA27151 out of moratorium and for
Exploration to begin

George Jebel Huddlestone; Custodian – Stromberg District

Access Agreed - Major New Targets

Stromberg

Scaramanga

Skyfall Prospect

Major untested radiometric anomaly
Most prospective district target
Access agreed Sep 2012

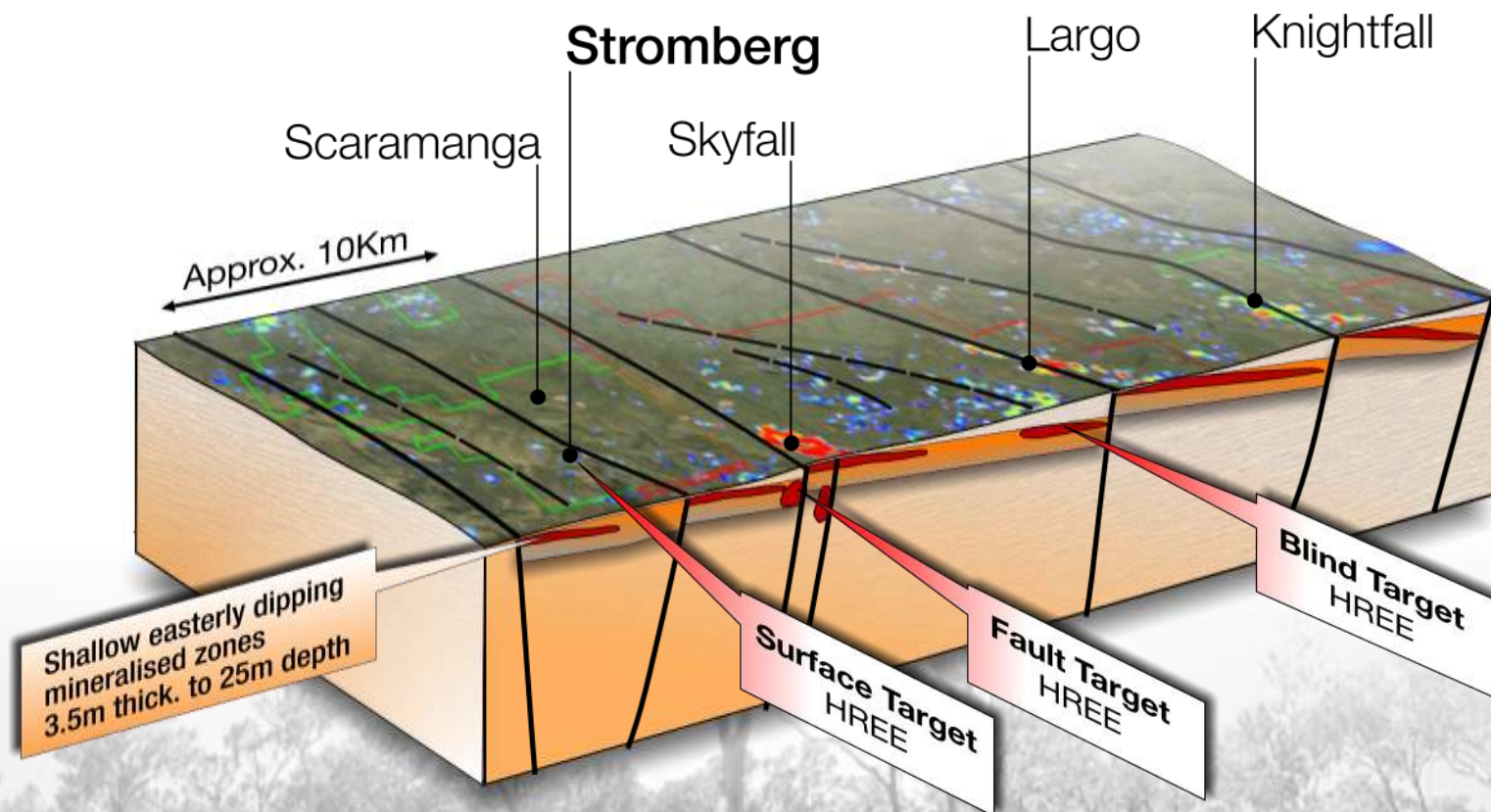
Largo Prospect

Large untested radiometric anomaly
Access agreed Sep 2012

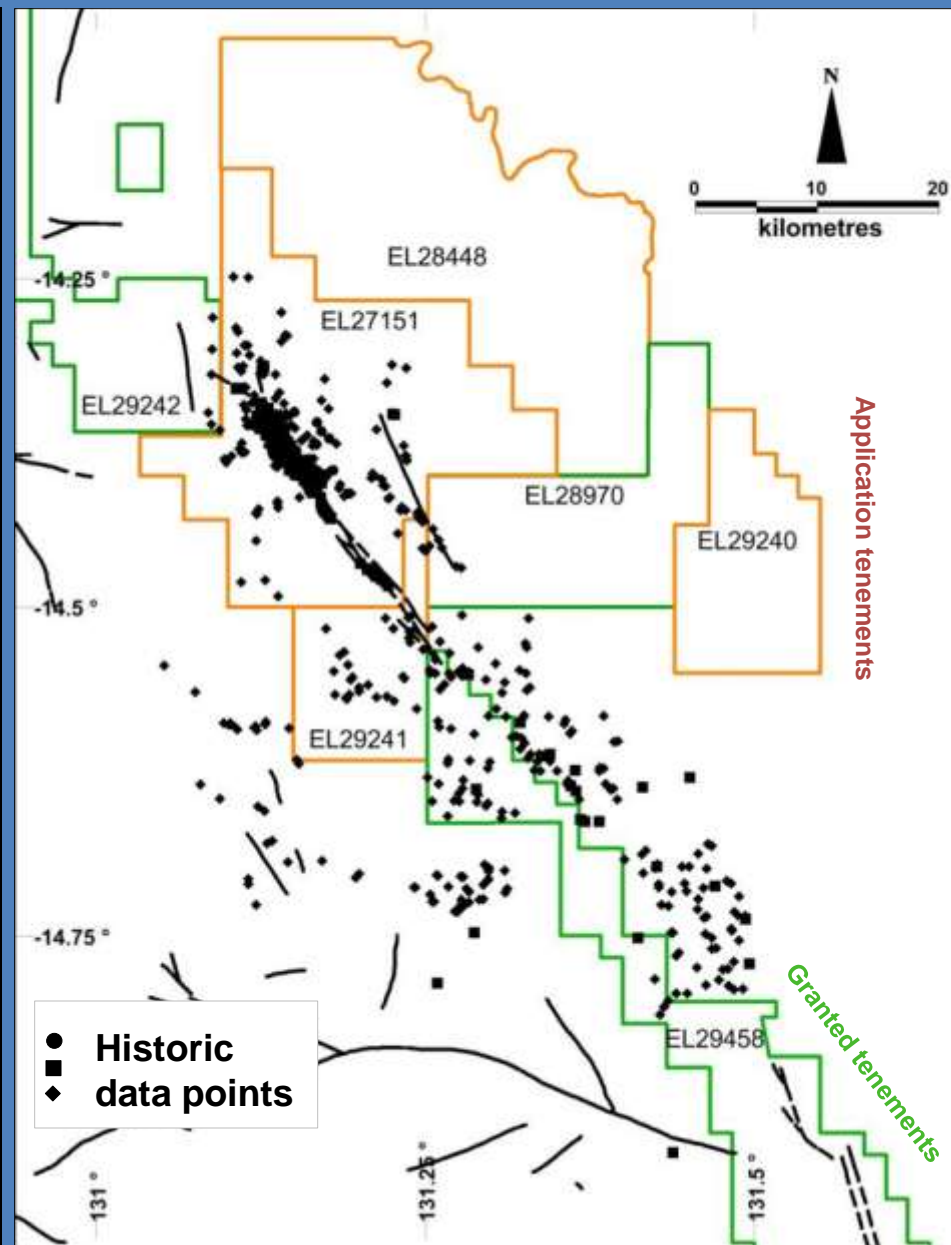
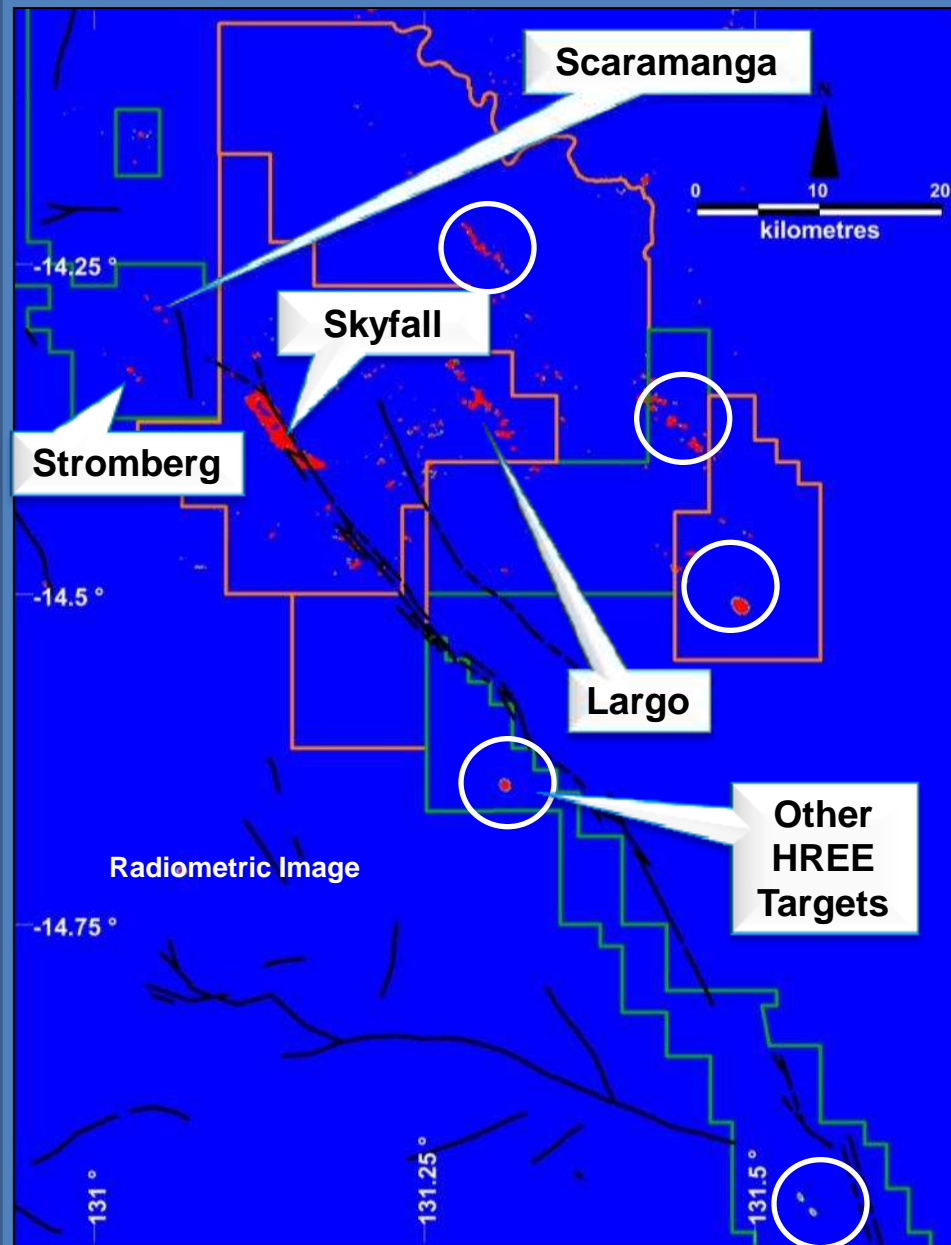
Regional Conceptual Model

High Discovery Potential

Rock Types, Faults and Mineralised Systems Repeat



Historic Data Adds Confidence in HREE Potential



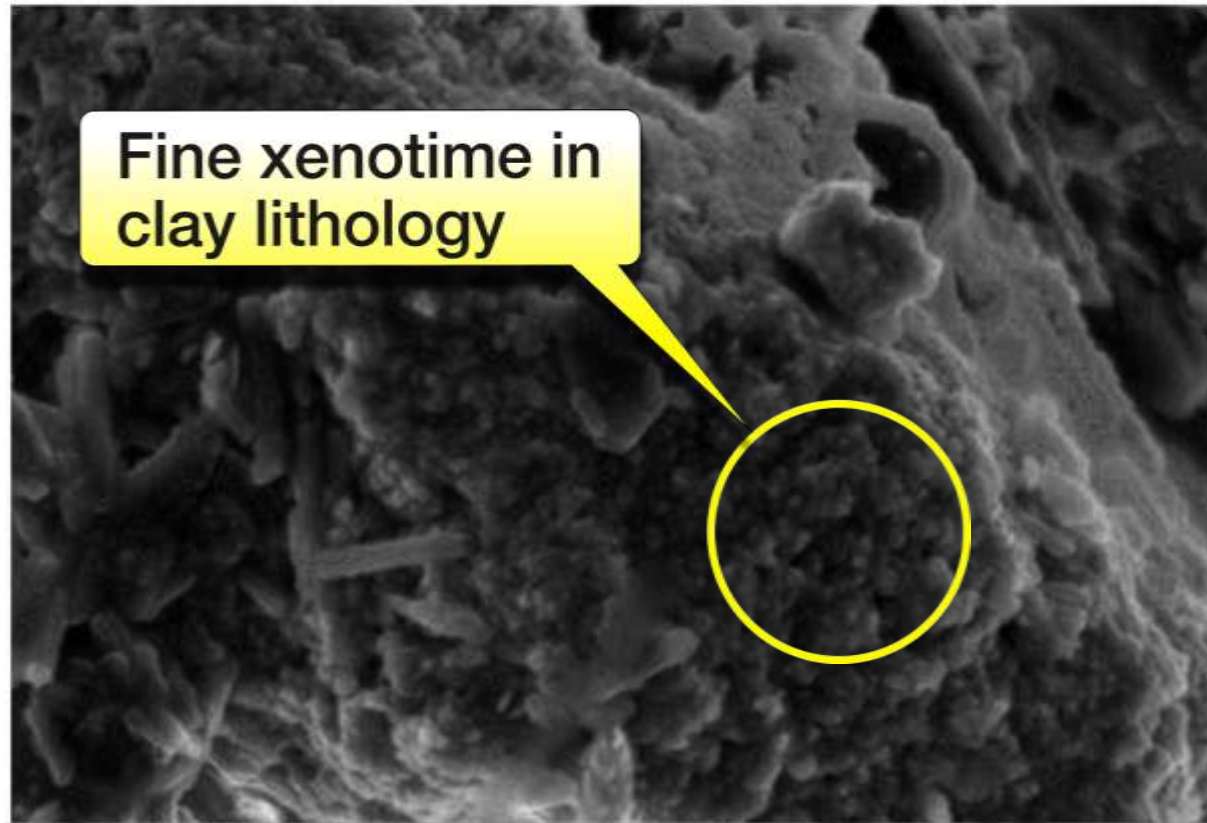
Cost and Price Advantages



Xenotime Mineralogy Competitive Advantage

Efficient leach of raw material

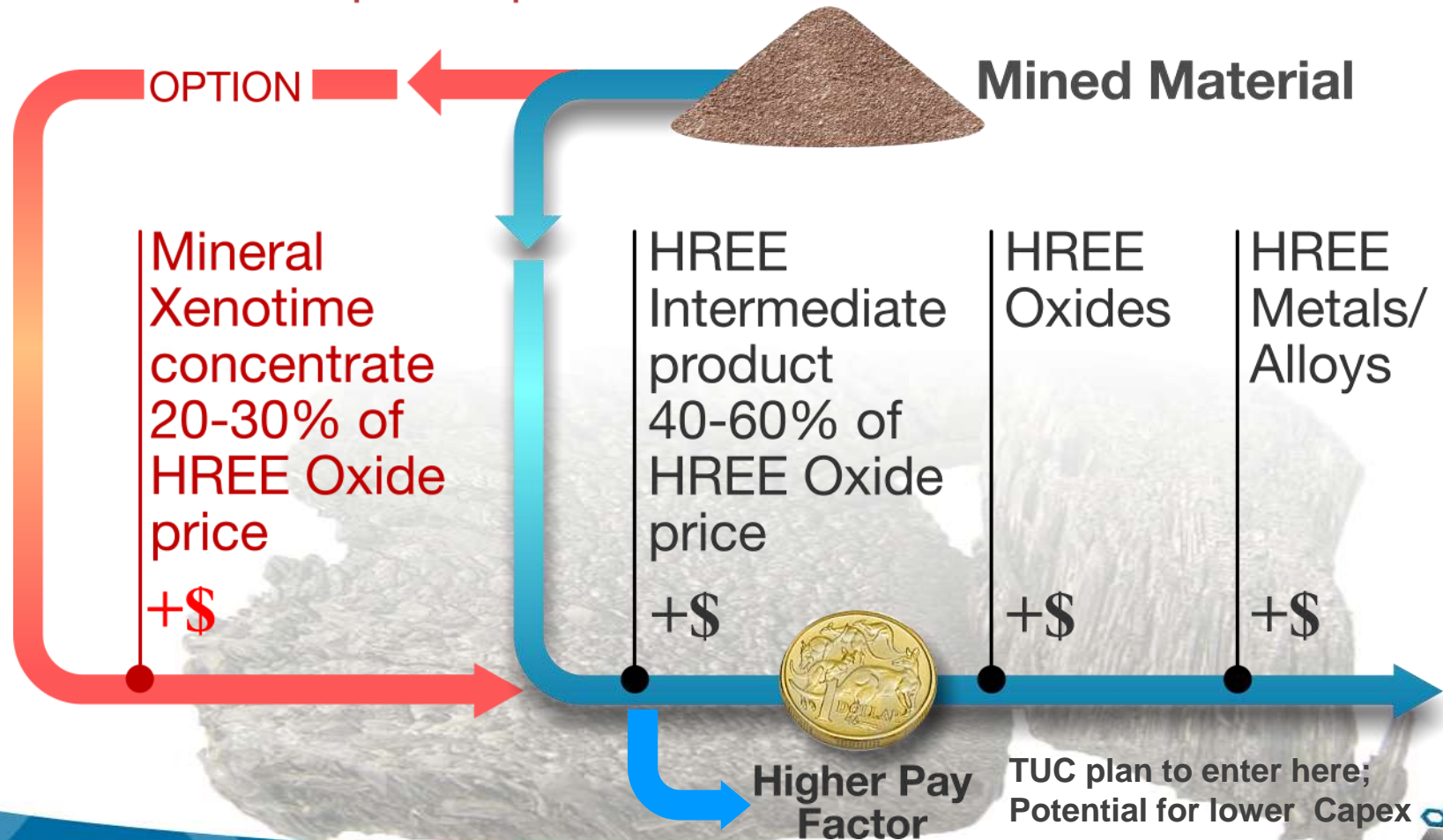
- Amenable to direct acid leach into solution
- Up to 85% recovery



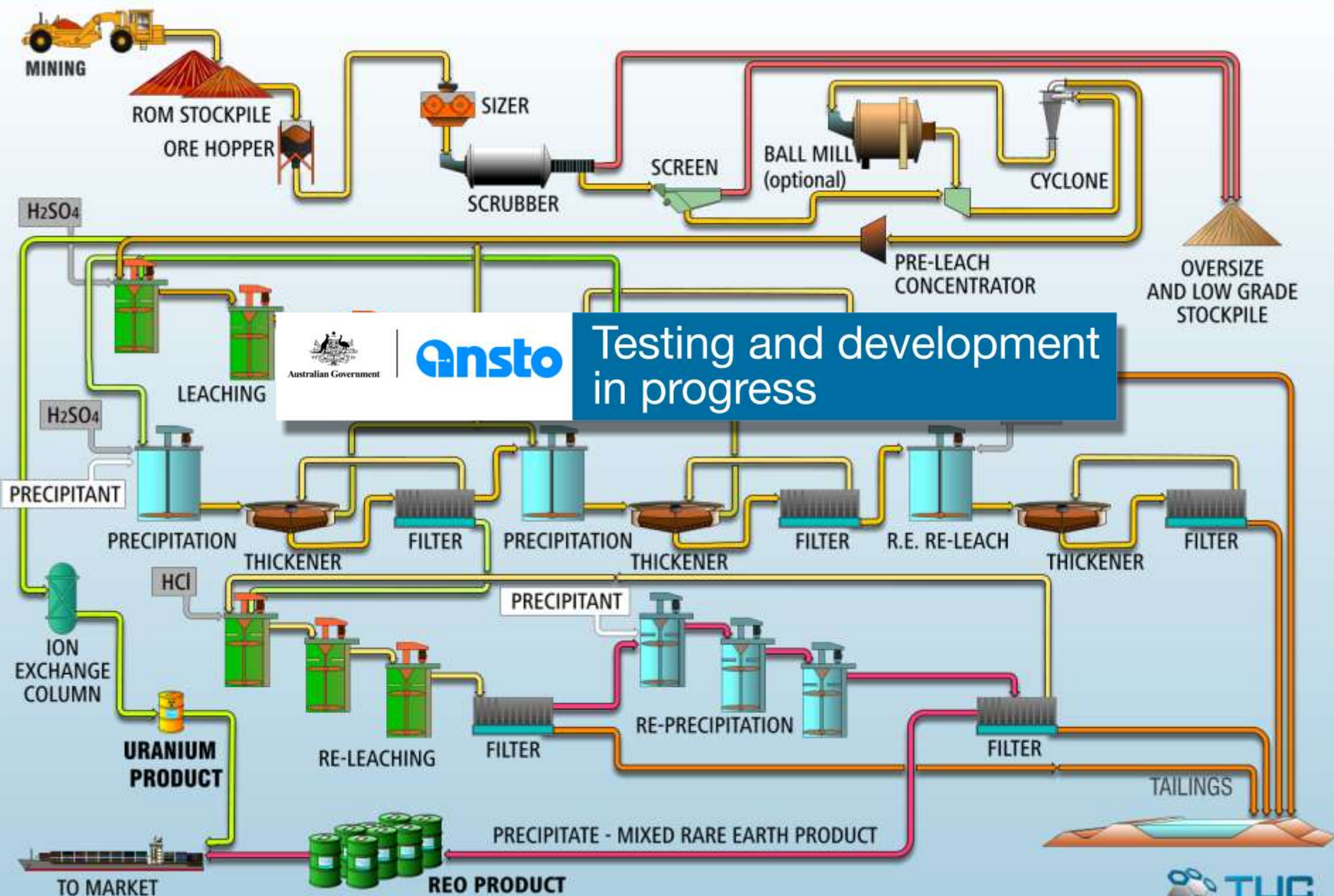
Direct Leach Process

Entry to market at intermediate stage
- not mineral concentrate stage

Option for ~15% of Stromberg material
Quicker startup time possible



Process Flow Sheet Prove/Improve Conceptual



Conceptual Regional Model

not to scale

Drilled Mineralised Sections

Mineralised zone
Confirmed by Drilling

Interpreted
Mineralisation
Horizon

2.5km

- At Surface Tabular Bodies
- Easy Access
- Potential for Low Stripping Ratio
- Soft Weathered Clay - Easier to Mine
- Faster Development - Drilling Time

OPEN

20m depth

Mineralised Envelopes >0.1% TREO

Shallow, flat dipping mineralised zones
extending N-S
3.5m thick from surface to ~20m depth



Potential for a Shorter Development Time
and Early Mover Advantage

Stromberg Project

Small initial modular plant concept

Smaller startup Capex anticipated

12-30tph capacity



Source: Bateman Engineering

Planned Stromberg Development Opportunities

+  Certainty  Certainty  -

Stakeholder Engagement

Exploration

JORC Resource Drilling

Alliance Partner Engagement

Scoping Study

Metallurgy Testwork & Drilling

Environmental IS

Pre Feasibility Study

Sales Contracts

Metallurgy Pilot Plant

Feasibility Study

Project Financing/Approvals

Plant Design & Construction

Establish Mining Operation

Startup & Production

2011

2012

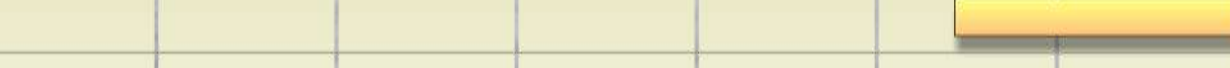
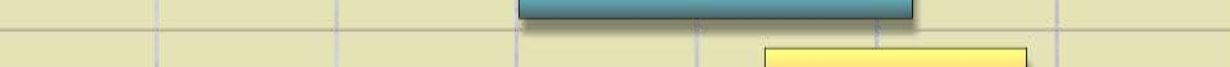
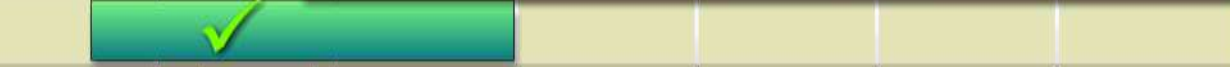
2013

2014

2015

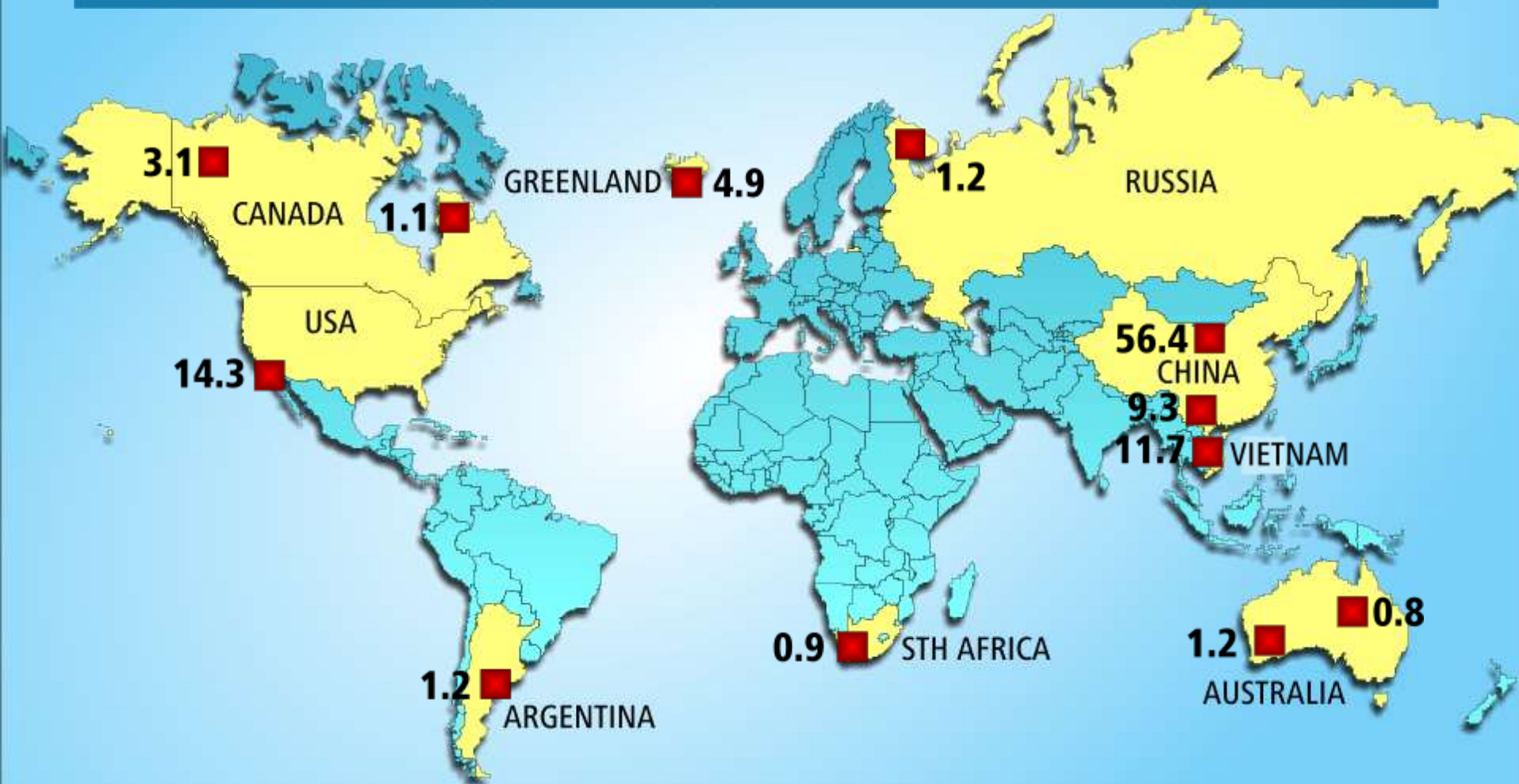
2016

2017



Major Rare Earth Deposits

TUC is actively seeking an REE industry partner



3.1 ■ REE deposit with known reserves - million tonnes

Value Proposition

Correct HREE Market space

Large HREE exploration upside unlocked

Apparent cost advantages

- Mineral processing - Mining - Capex

Potential for shorter development time

- Early mover advantage

Work program underway

Disclaimer

The Company has prepared this presentation. Whilst the information contained in this presentation has been prepared with all reasonable care from information provided by the Company and from sources, which the Company believes are reliable, no responsibility or liability is accepted by TUC Resources for any errors or omissions or misstatements, however caused. To the maximum extent permitted by law, TUC Resources, its directors officers, employees and agents disclaim liability for any loss or damage which may be suffered by any person thought the use or reliance on anything contained in or omitted in this presentation.

Certain information in this presentation refers to the intentions of TUC Resources, but these are not intended to be forecasts, forward looking statements or statements about future matters for the purposes of the Corporations Act or any other applicable law. The occurrence of events in the future are subject to risks, uncertainties and other factors that may cause TUC Resources actual results, performance or achievements to differ from those referred to in this presentation. Accordingly, TUC Resources Ltd, its directors officers, employees and agents do not give any assurance or guarantee that the occurrence of the events referred to in this presentation will actually occur as contemplated.

TUC Resources Ltd Directors and associates own shares in TUC Resources. The Company recommends investors obtain their own independent financial and accounting advice before making any financial investment in reliance upon information contained in this publication.

Competent Person

The information in this report that relates to Exploration Results is based on information compiled by Ian Bamborough, who is a Member of The Australian Institute of Geoscientists. Ian Bamborough is a fulltime employee of TUC Resources Ltd. Ian Bamborough 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 in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Ian Bamborough consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Ian Bamborough

Managing Director

ibamborough@tucresources.com.au

Phone: +61 (0)8 9325 7946

Main Office

Lvl 10, 553 Hay Street,

PERTH WA 6000

www.tucresources.com.au

ASX:TUC

ABN 94 115 770 226

