

GASCOYNE RESOURCES LIMITED

Investor Update

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April 2011

DISCLAIMER & COMPETENT PERSON STATEMENT

This presentation contains forward looking statements that are subject to risk factors associated with resources businesses. It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to: price fluctuations, actual demand, currency fluctuations, drilling and production results, reserve estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

All references to dollars, cents or \$ in this presentation are to AU\$ currency, unless otherwise stated.

Information in this presentation relating to mineral resources and exploration results is based on data compiled by Gascoyne's Managing Director Mr Mike Dunbar who is a member of The Australasian Institute of Mining and Metallurgy. Mr Dunbar has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons under the 2004 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Dunbar consents to the inclusion of the data in the form and context in which it appears.

SNAPSHOT OF GASCOYNE RESOURCES (GCV)

GCV – Ordinary Shares *	61,150,000
Current Share Price (14/3/11)	A\$0.20
Market Capitalisation	~A\$13M
Current Cash (at end Q4/10)	A\$3.0M

Major Shareholders *

Helix Resources Limited	6.54 %
Giralia Resources	5.89 %
UBS Wealth Management	3.12%
Yandal Investments Pty Ltd	2.98%
HSBC Custody Nominees Pty Ltd	2.80%
TOP 20	45.3 %

Board of Directors / Management *

Graham Riley	Chairman
Michael Dunbar	Managing Director
Gordon Dunbar	Non-Exec Director
John den Dryver	Non-Exec Director

Technical Team

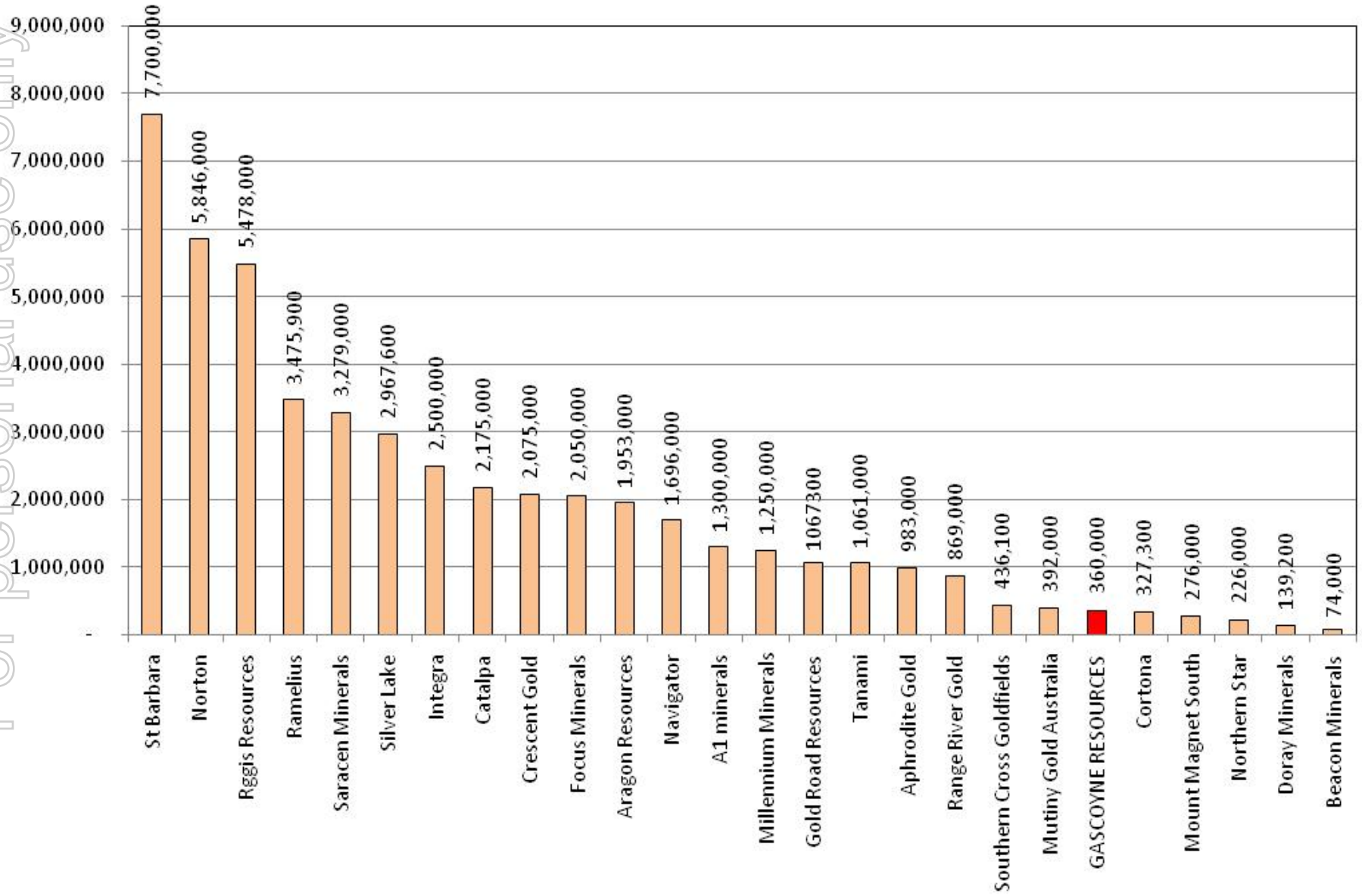
Di Tily Laurie	Snr Geologist
Travis Kerslake	Snr Project Geologist
Ali Lari	Project Geologist
Iain Blamey	Field / Environmental Supervisor

GCY Market Peers



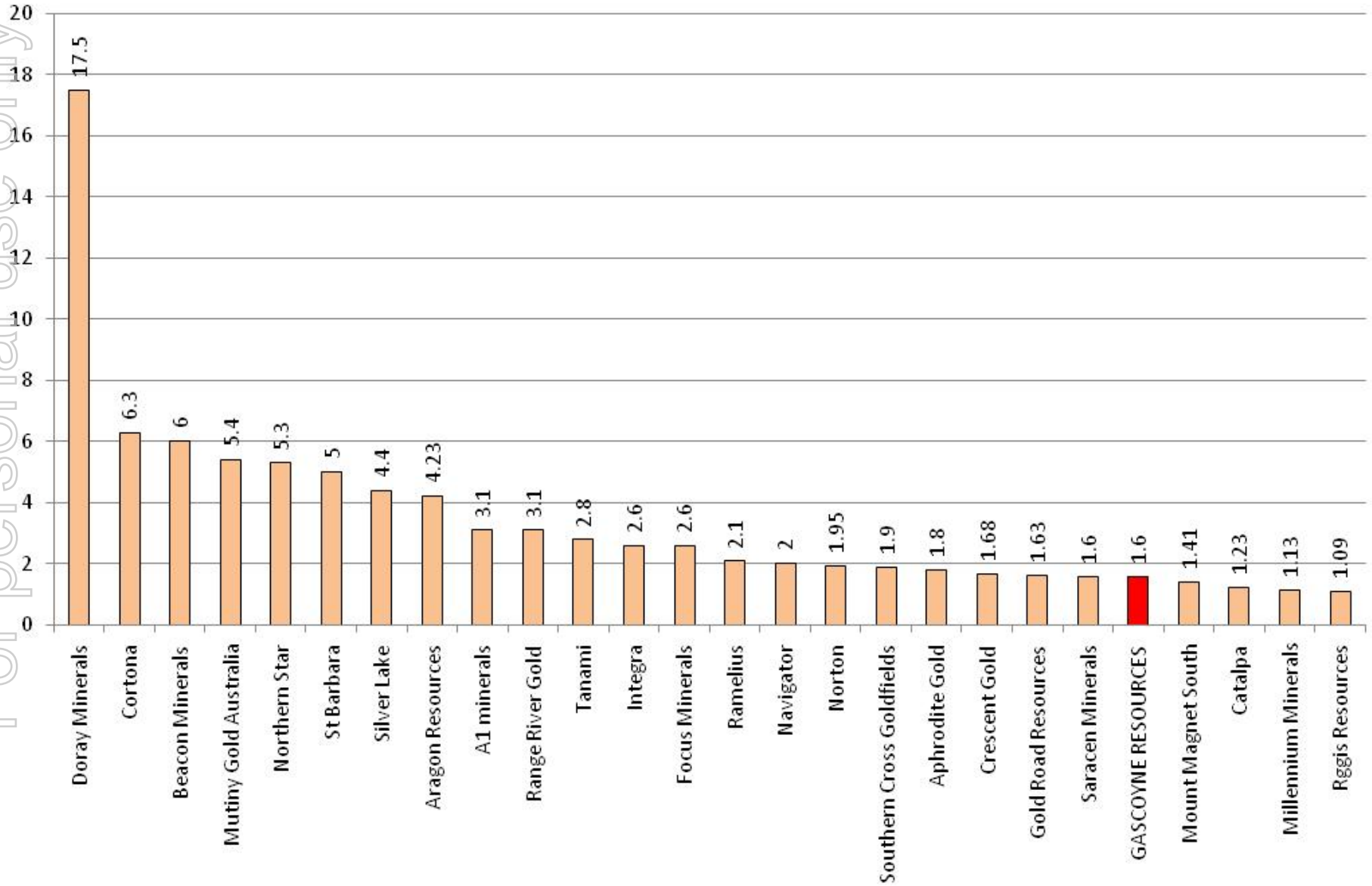
GCY Market Peers

Attributable Resource Ounces



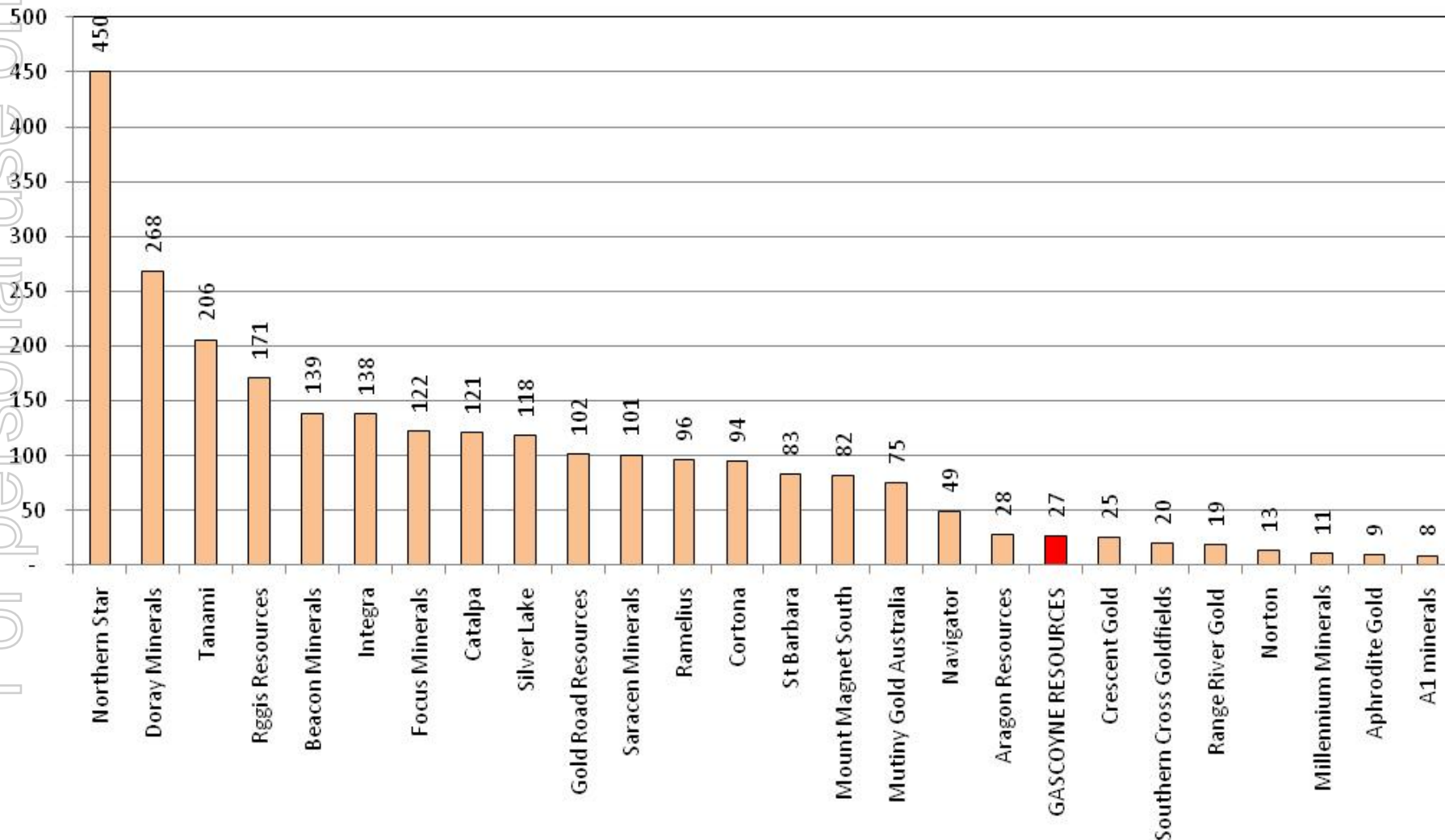
GCY Market Peers

Resource Grade



GCY Market Peers 1st April 2011

EV / Attributable Gold Ounce



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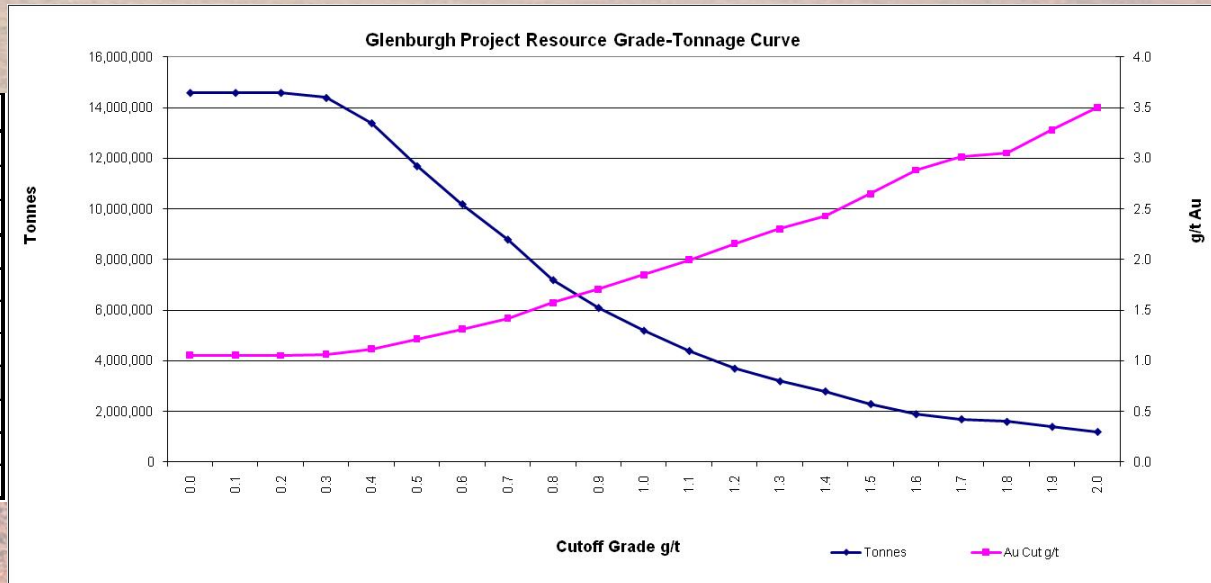
GLENBURGH – Recent activities

- Resource estimate completed – resource now stands at **7.2Mt @ 1.6g/t Au for 360,000 Oz (0.8g/t cutoff) – 77% increase from previous resource**
- Pit Optimisation study indicates the project could provide a significant positive undiscounted cash flow (excluding capital) of between \$80 and 120M
- Extensional RC Drilling at the Shelby Deposit extended mineralisation 300m east
- New Geochemical anomalies defined on the Icon Trend
- Review of historical drilling has highlighted the South Western target area
- Camp infrastructure purchased
- 2010 Geochemical Sampling has been completed
- RC drilling has commenced mid March 2011 – 5,000m program extending known mineralisation near and inside the optimised open pits
- 10,000m RAB / Aircore drill program commencing within 2 weeks.

GLENBURGH

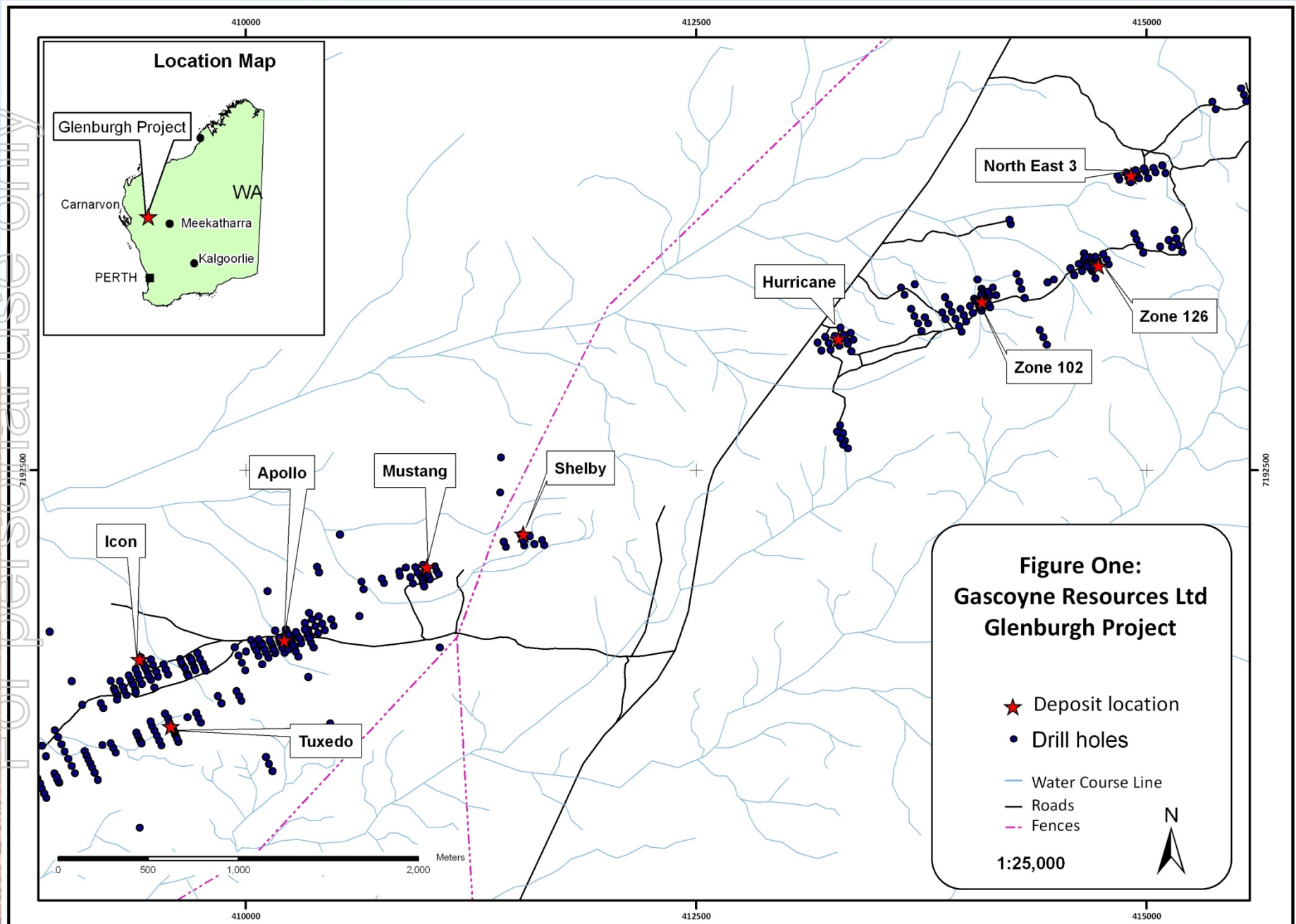
- 9 Deposits containing Inferred Resources of **7.2Mt @ 1.6g/t Au for 360,000 Oz** of gold (@0.8g/t Cutoff).
- 85% of the resource contained within 100m from surface
- All deposits open along strike, down dip and down plunge
- Significant scope to increase resource base with reduction in cutoff grade

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Glenburgh Deposit November 2010 Resource Estimate			
Cutoff	Cumulative Mineralisation		
Grade	Tonnes	Au Cut	Au Cut
g/t	T	g/t	Ounces
0.4	13,267,606	1.1	480,000
0.5	11,586,588	1.2	460,000
0.6	10,118,534	1.3	430,000
0.7	8,720,035	1.4	400,000
0.8	7,162,619	1.6	360,000
0.9	6,089,340	1.7	340,000
1.0	5,233,121	1.8	310,000
1.5	2,349,918	2.6	200,000

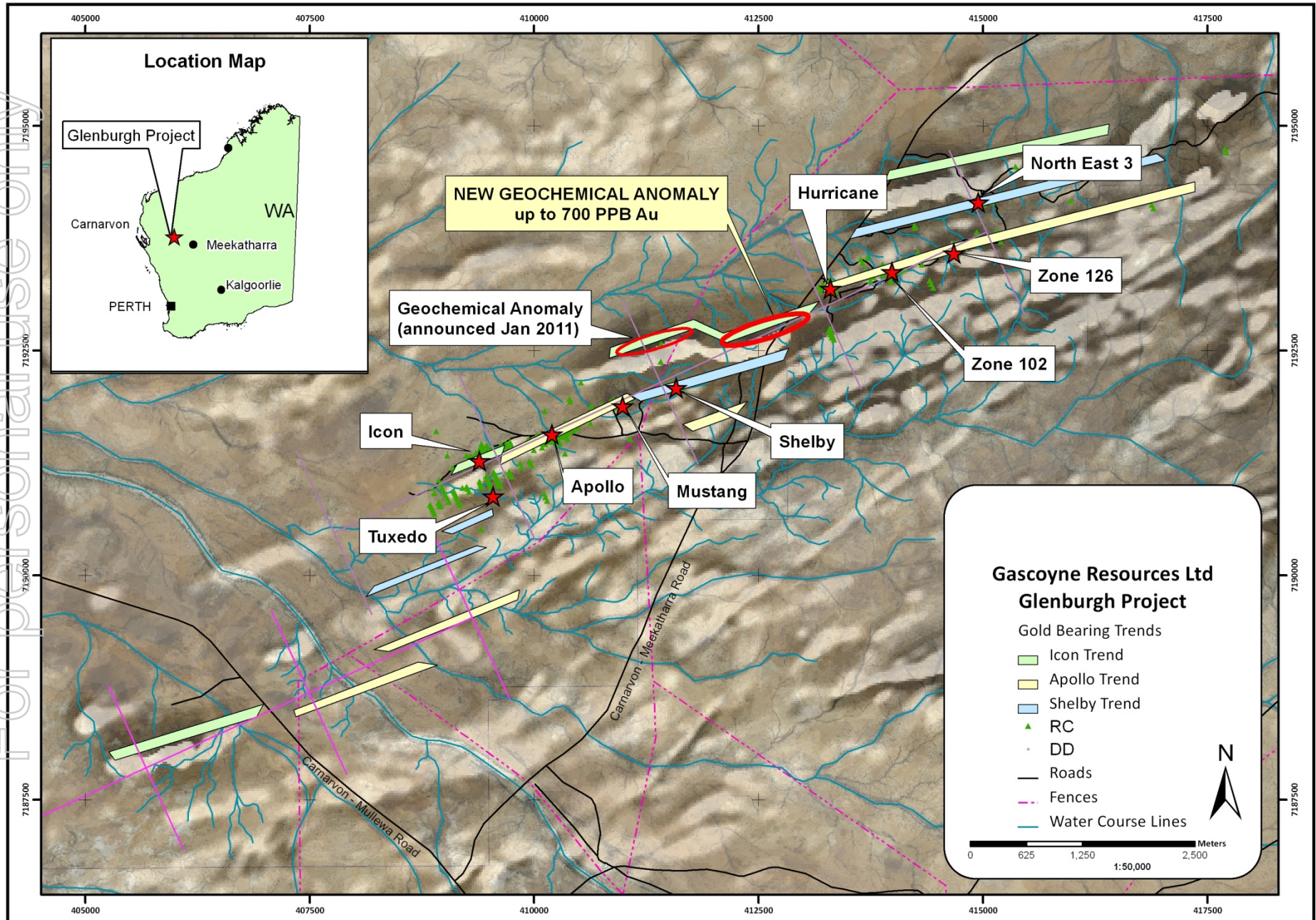
GLENBURGH



GLENBURGH – Pit Optimisation results

- Three development options considered
 - Heap Leach – low capital cost but low processing costs and low recovery (assumed 65%)
 - CIP Plant with diesel power generation – mid range capital, high processing costs but good recovery
 - CIP Plant with gas power generation – high capital costs but low processing costs and high recovery
- All three options provide significant positive cash flow (excluding capital costs) of between \$80 and \$120M
- All the optimisations hit the bottom of the resource model – deeper drilling is needed.
- Flat pit optimisation profiles – indicates low sensitivity to strip ratio.
- Relatively low strip ratios – between 4 and 5 : 1
- Positive cash flows at all modeled gold prices - base case of \$1,400/oz

GLENBURGH – New Geochemical anomalies



GLENBURGH – Current Program

- **Scoping Study - UNDERWAY**

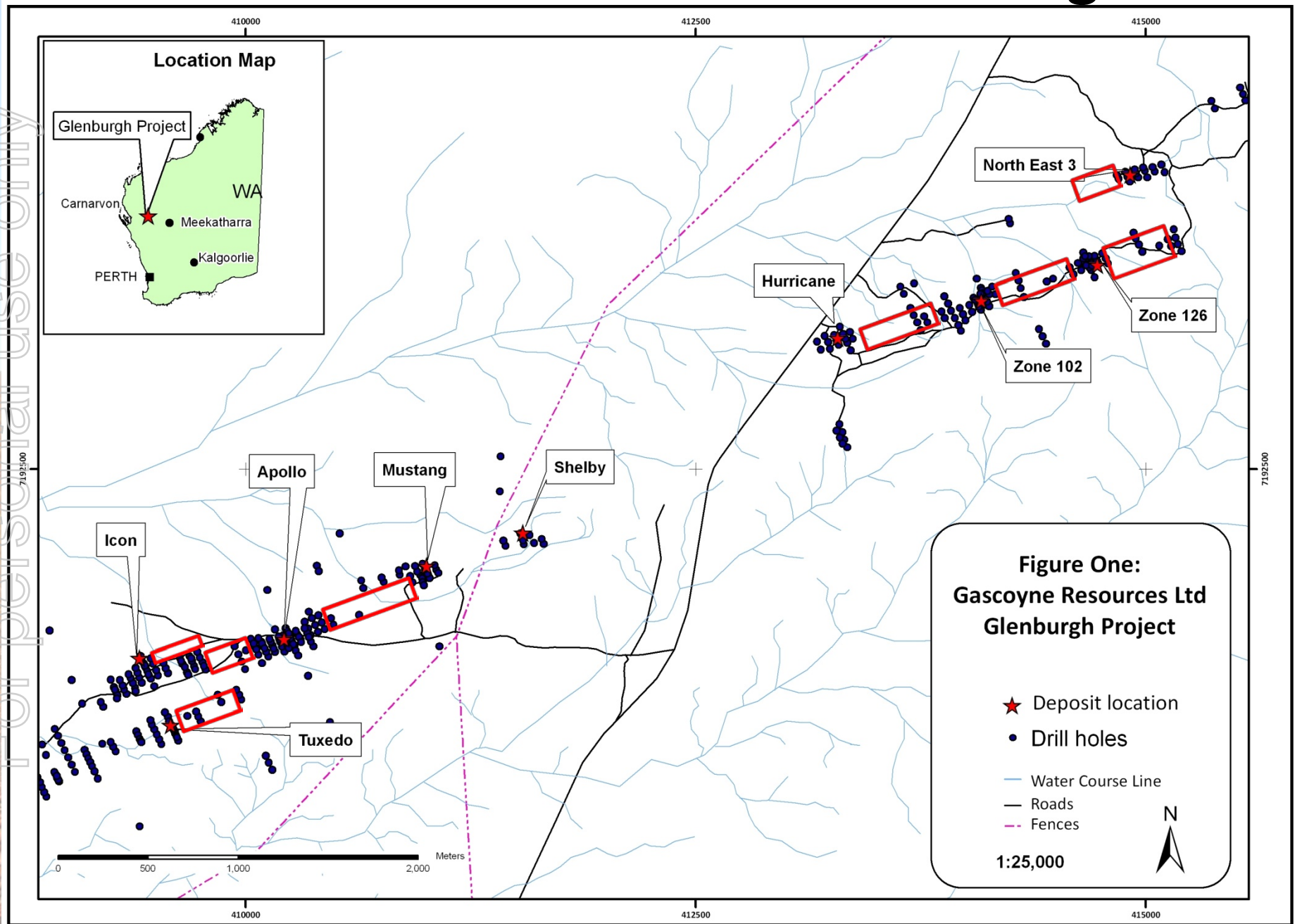
- Including pit optimisations
- Financial analysis
- Met testwork
- Conceptual flowsheet
- Infrastructure investigations
- Preliminary geotech analysis
- Preliminary Hydro analysis
- Permitting investigations
- Sensitivities
- Camp Infrastructure

- **5000m Extensional RC Resource Drilling – UNDERWAY**

- ~ 3000m RC in and around Icon and Apollo
- ~ 2000m RC in the North Eastern Areas

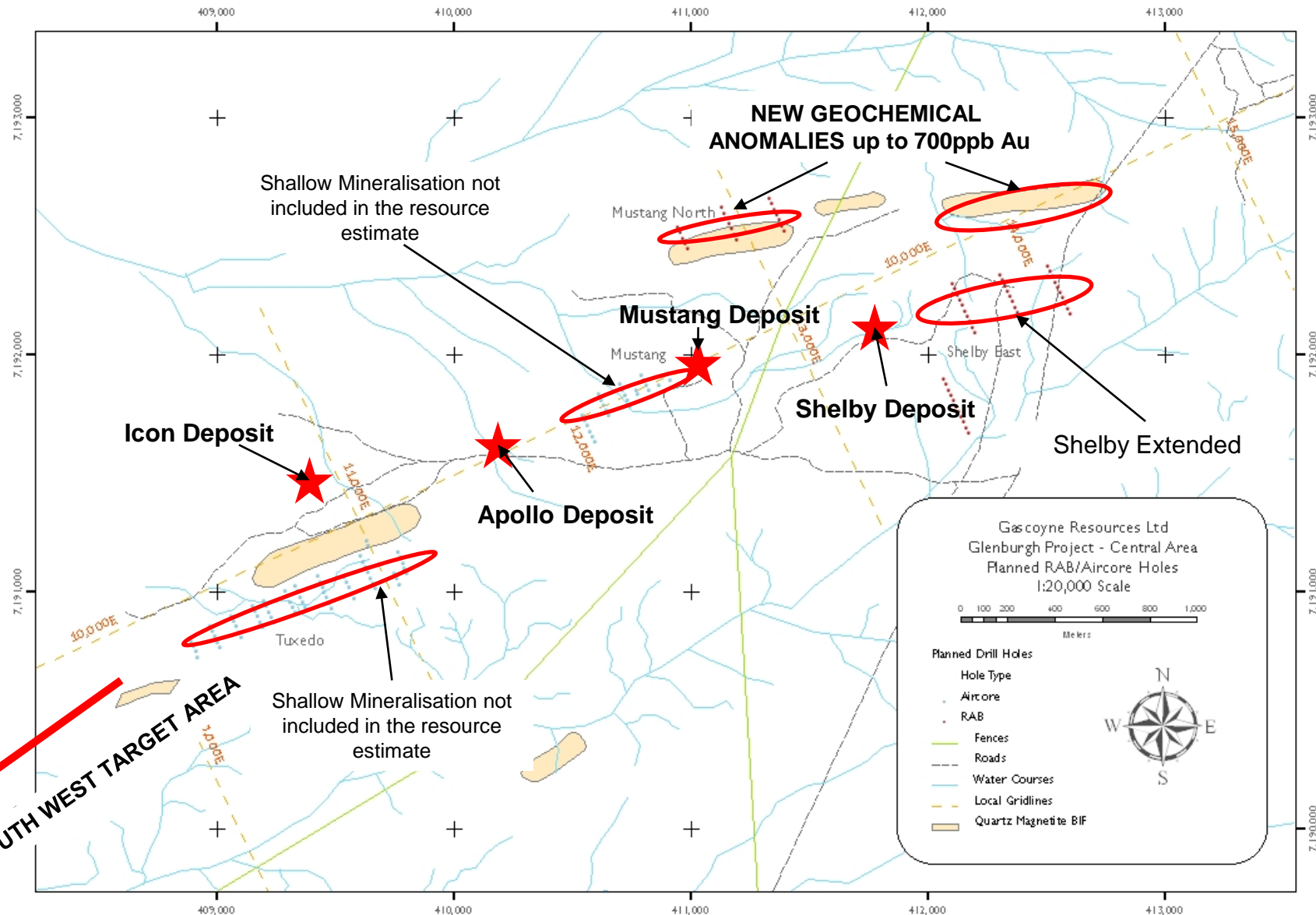
- **10,000m RAB / Aircore Drilling – Rig due on site 15th of April**

GLENBURGH - Planned RC Drilling



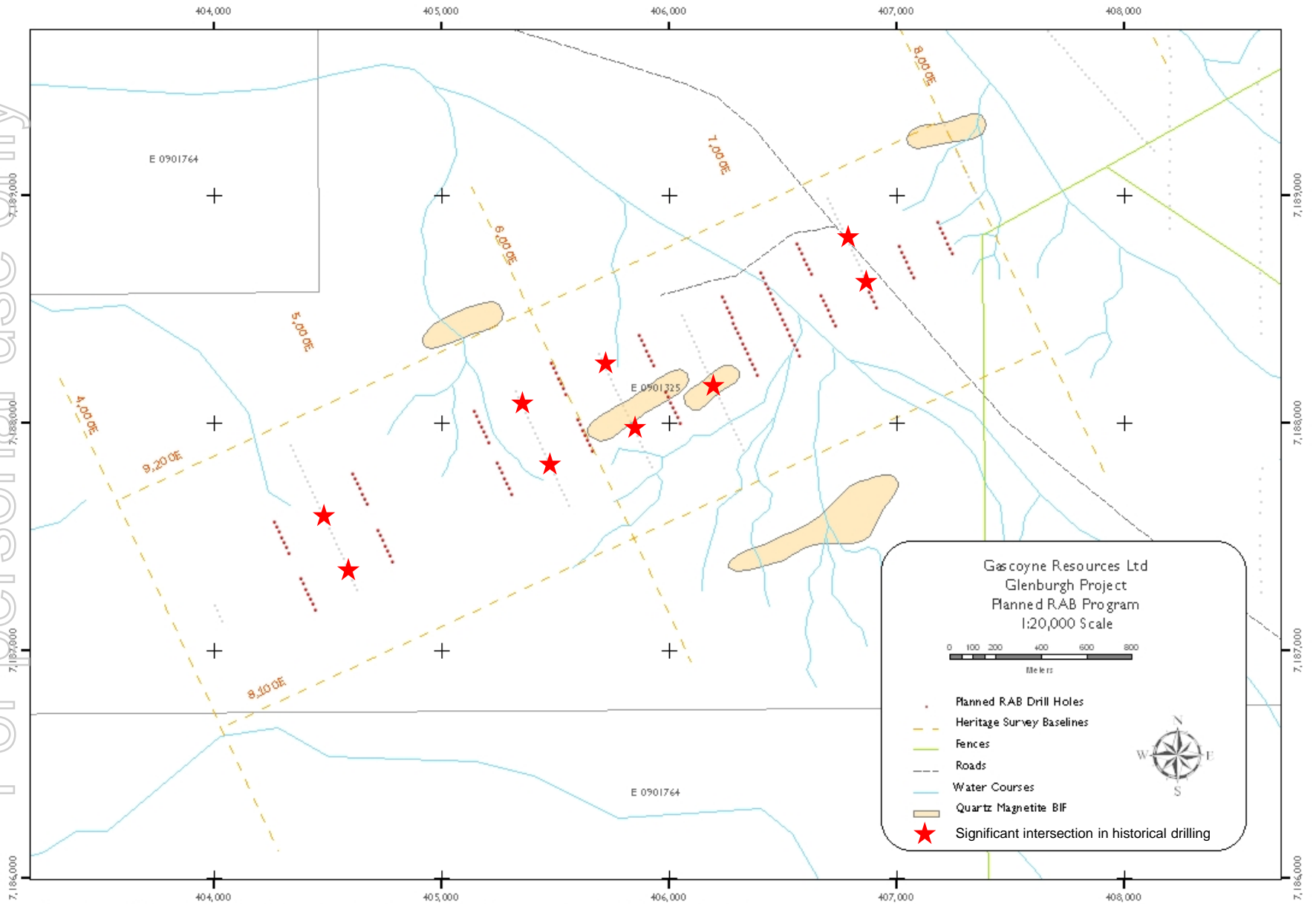
GLENBURGH - Planned RAB / Aircore Drilling

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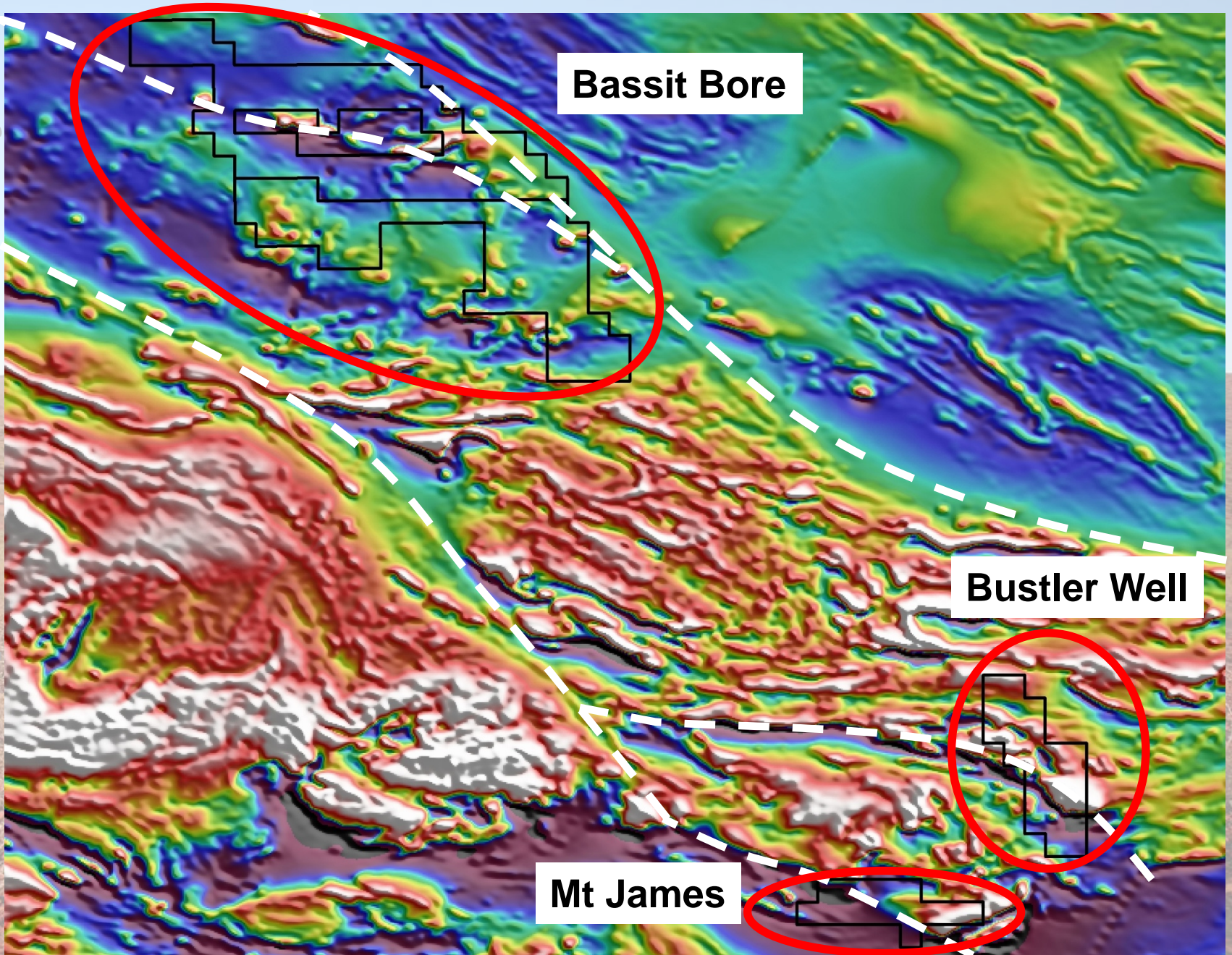


GLENBURGH – South West Area RAB Drilling

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BASSIT BORE PROJECT



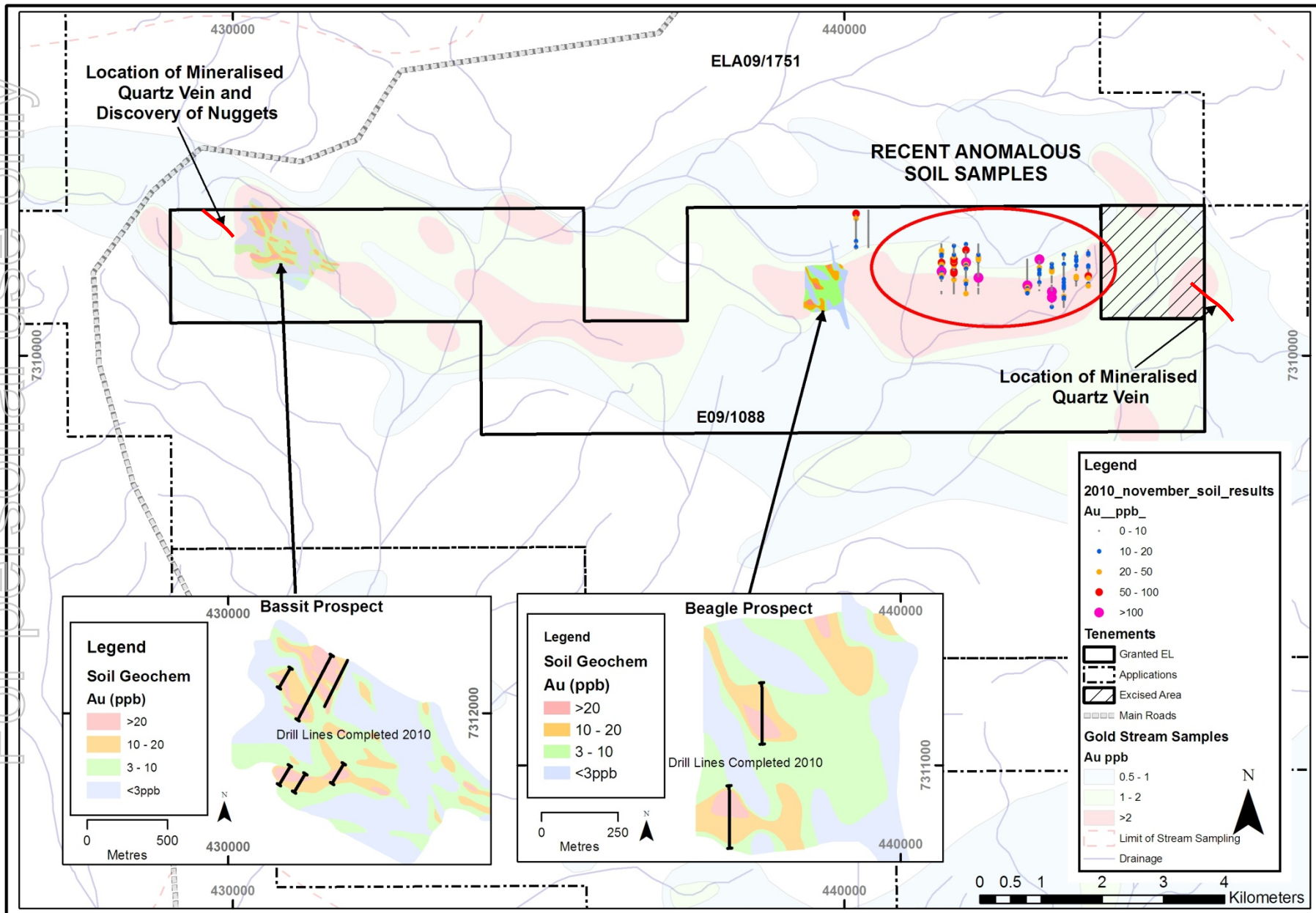
Bassit Bore

Bustler Well

Mt James

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BASSIT BORE



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BASSIT BORE – Forward Program

- **Infill of recent Soil Sampling**

Recently received results highlight the potential of the region. Additional soil sampling is being planned to define drill targets.

Timing: Infill soil sampling will be undertaken over the area in the 2011 field season

- **Soil Sampling at Jim's Patch**

Timing: Soil sampling will be undertaken over the area in the 2011 field season

- **Soil Sampling at South Eastern Quartz Vein**

Timing: Soil sampling will be undertaken over the area in the 2011 field season

- **Drilling at the South Eastern Quartz Vein**

Timing: Will be conducted as drilling commitments at Glenburgh allow

Bustler Well and Mt James

- **Bustler Well**

Historical drilling identified narrow high grade gold mineralisation of up to 1m @ 37.3 g/t Au and 2m @ 9.1 g/t Au and 3m @ 7.6 g/t Au.

Additional mapping and evaluation of the mineralisation is planned for the 2011 field season.

- **Mt James**

Historical drilling identified a ~ 2.5km long mineralised gold system with intersections of up to 4m @ 8 g/t Au and 18m @ 2.5 g/t Au in drilling and trench sampling. The area is largely covered by transported cover and as a result, the vast majority of the tenement remains prospective but untested.

Further evaluation and drilling in the area is planned for the 2011 field season (timing dependant on when drill rigs available from Glenburgh programs)

New Areas

- **Murchison**
 - Pegging of open ground. 6 new tenement applications made – Grant expected late 2011
- **Higginsville**
 - Pegging of some open ground – 7 tenement applications made – Grant expected late 2011
- **Sherlock Bay**
 - One tenement along strike from Sherlock Bay Nickel deposit (25Mt @ 0.4% Ni for 101,300t of contained Nickel) was discovered to have been dropped – a 20 block exploration license has been applied for covering the area – Grant expected late 2011
- **New Opportunities** – a number of new opportunities are being assessed and reviewed

Murchison Area

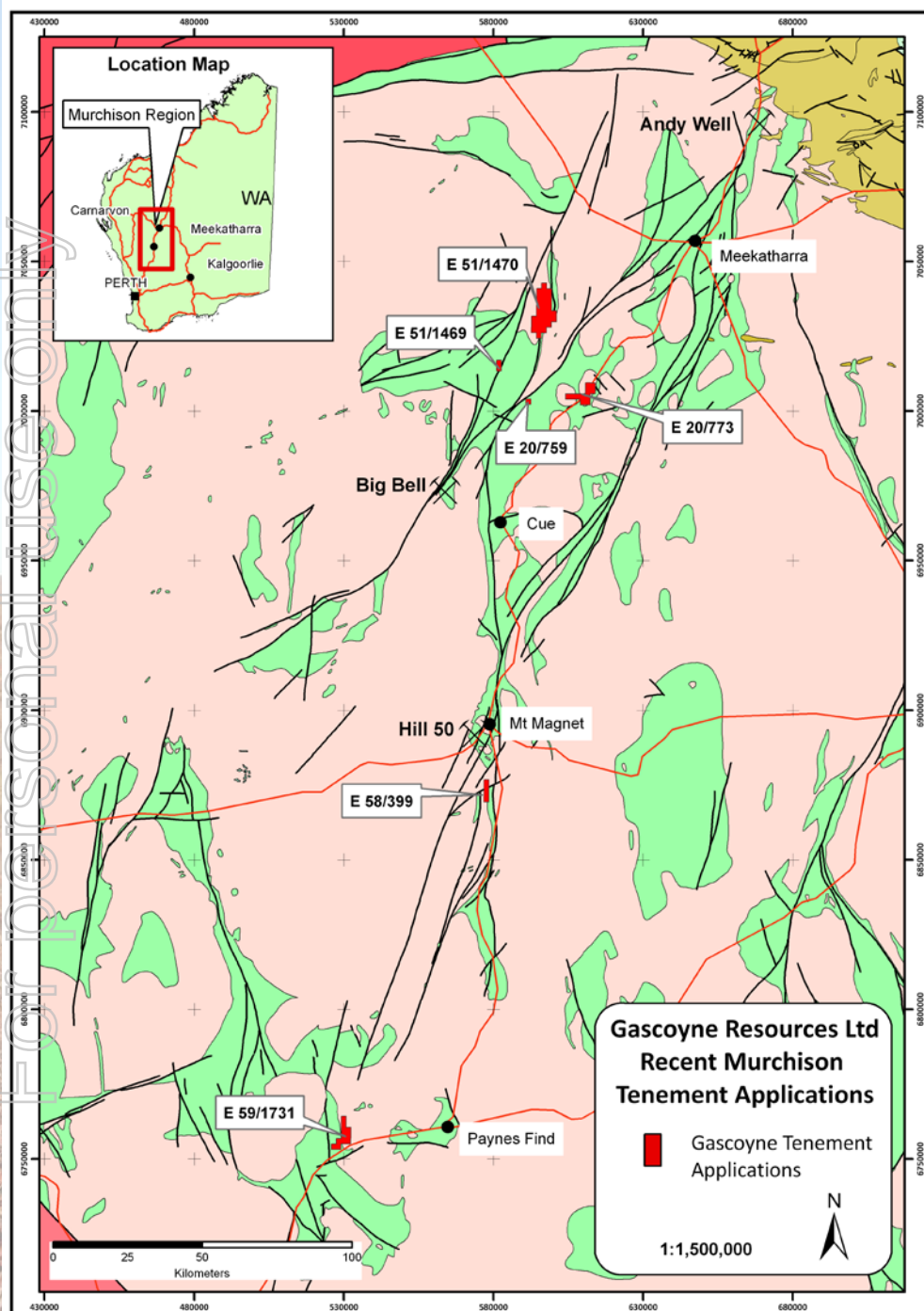
Pegging of open ground. 6 new tenement applications made

Three applications are located at the northern end of the Big Bell greenstone belt

One application covers the central part of the Tuckanarra gold mining centre.

Further south an application is located approximately 20 Km south of the Hill 50 gold deposits at Mount Magnet.

In the Ninghan region (south West from Paynes Find) one application covers ground where previous explorers intersected up to 6m @ 2.9 g/t Au in a near surface quartz stockwork system

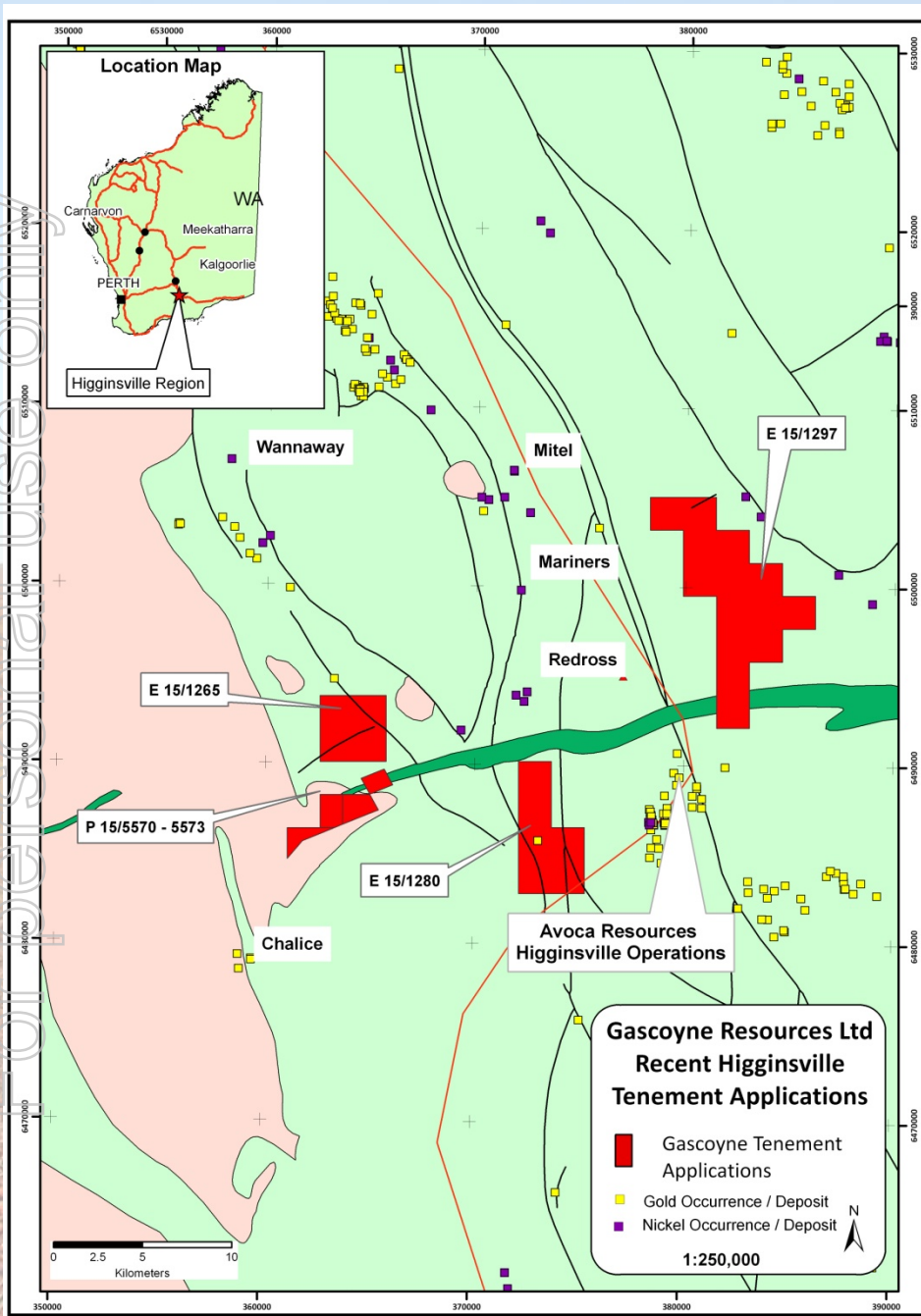


Higginsville Area

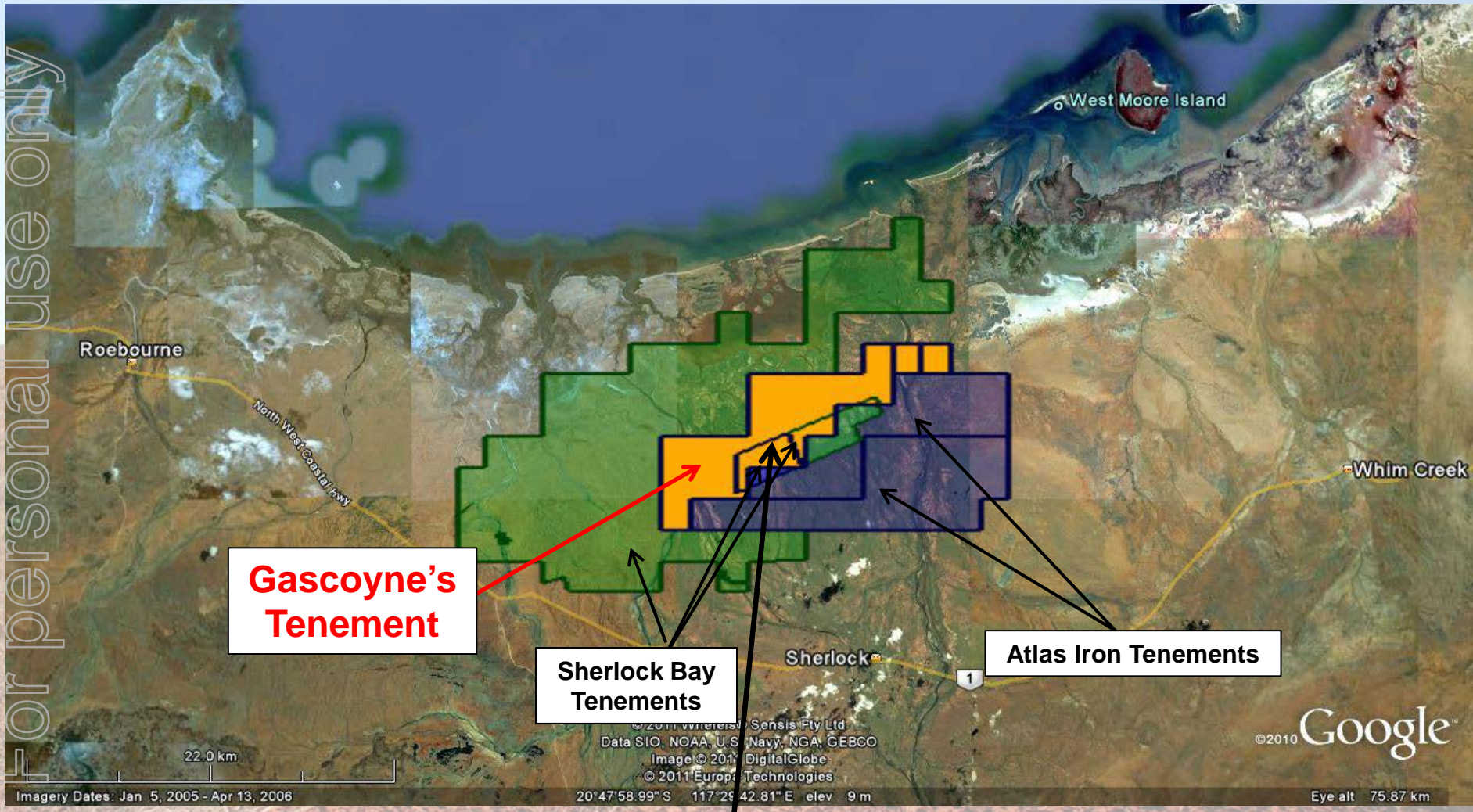
Pegging of 7 tenement applications on open ground

Located at the southern end of the Widgemooltha Dome that hosts extensive nickel deposits currently being mined by Mincor Resources and significant gold deposits in the area including Chalice to the south and Higginsville

Of particular interest within E15/1280 is the Footes Find gold deposit that was explored by Resolute-Samantha in the late 1980s and early 1990s. Subsequently gold production was undertaken from a shallow open pit as a satellite operation to the Higginsville operation.



Sherlock Bay Tenement



Sherlock Bay Nickel Deposit - 25Mt @ 0.4% Ni for 101,300t of contained Nickel

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