ASX:GCY

A Near Term 100,000ozpa Gold Developer with Organic Growth Towards 200,000ozpa

+2.1 Moz Gold Resources in Western Australia and Growing Through Aggressive Exploration

GASCOYNE RESOURCES LIMITED

AGM Presentation November 2016

Gascoyne – What a Difference a Year Makes

2015 AGM

- Share Price: 10c
- Market Capitalisation: $20.6 million
- Cash: $3.1 million
- Gold Price A$1,485/oz
- 2.05Moz of gold in Resource
  - Measured Resources: 298Koz
  - Indicated Resources: 641Koz
  - Inferred Resources: 1.1Moz
- Proved and Probable Reserve: Nil
- Dalgaranga Scoping Study Completed
  - ~60,000ozpa
  - 6 year life
  - Processing 1.2Mtpa
- Glenburgh +1.0Moz Project
- Limited Exploration budget

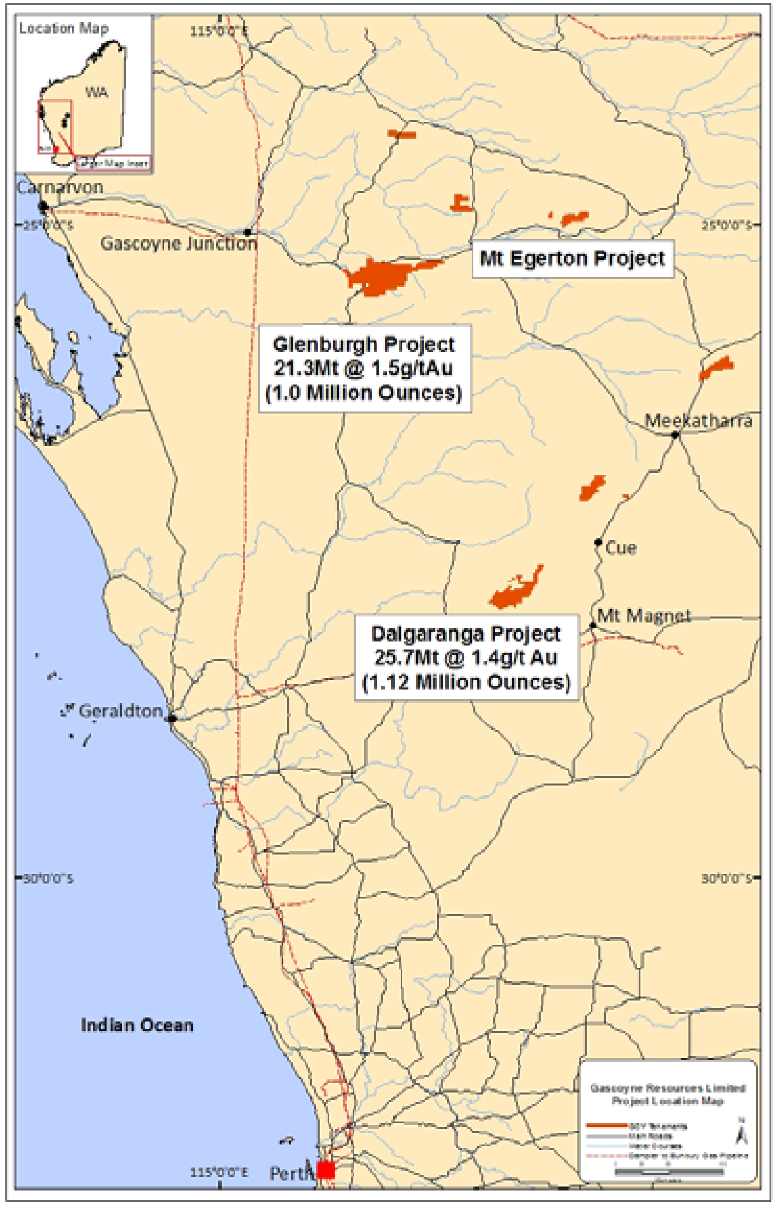
2016 AGM

- Share Price: 50c
- Market Capitalisation: $128 million
- Cash: $12.0 million
- Gold Price A$1,606/oz
- 2.12Moz of gold in Resource
  - Measured Resources: 324Koz
  - Indicated Resources: 814Koz
  - Inferred Resources: 1.0Moz
- Proved and Probable Reserve: 442,000oz*
- Dalgaranga Feasibility Completed#
  - ~100,000ozpa
  - 6 year life
  - Processing 2.5Mtpa
- Glenburgh +1.0Moz Project
- Aggressive Exploration budget

* Reserve based on PFS, update completed as part of FS
# subject to board review and approval

Gascoyne – A Near Term High Margin Gold Developer

- **2.1Moz of gold in Resource**, on Granted Mining Leases in Western Australia:
    - **Dalgaranga Project: +1.12Moz Resource and Growing**.
    - **Glenburgh & Egerton Projects: 1.05Moz Resource** - Our second growth project
- **860,000oz of gold within initial Mine Plans**
  550Koz at Dalgaranga, 320Koz at Glenburgh
- Dalgaranga PFS highlighted strong economics at **US$1,200** gold price
- DFS is complete, pending board review and approval
- Targeting near-term **High Margin production of 100,000ozpa** initially, with pathway towards **200,000ozpa** through organic growth
- Exploration drilling at Dalgaranga identifying **SIGNIFICANT upside**
- **AGGRESSIVE EXPLORATION PROGRAM UNDERWAY**



Corporate Snapshot

Capital Structure (ASX:GCY)	
Shares on issue	256 million
Options / Performance Shares	Nil
Market Capitalisation (at $0.50)	$128 million
Cash (Sept 2016)	$12.0 million
Debt	Nil
Enterprise Value	$116 million

12 month Share Price Performance

Major Shareholders	
Board and Management	15.3%
Colonial First State - Growth	6.1%
1832 Asset Mgt	5.0%
JPMorgan Asset Mgt	4.8%
Other Australian Funds	16.5%

Top 10 >50%
Top 30 >75%

Board & Management Team with Proven Track Record	
Mike Joyce	Non-Executive Chairman
Mike Dunbar	Managing Director
Non-Executive Directors	
Gordon Dunbar	Graham Riley
John den Dryver	Stan Macdonald
Julian Goldsworthy	Geology Manager

Research Coverage	
Hartleys	Mike Millikan
Argonaut	James Wilson

Now is A Great Time to Develop in Australia

Profitability / Margin is KING

- **Very Strong A$ Gold Price**
- Low Diesel Price
- Very Competitive Mining Contracting Environment
- Very Few Construction Opportunities leading to Very Competitive Construction Pricing
- Very Few Development projects coming online – Suppliers keen to get involved
- Softening Labour Market – normalisation of site rosters

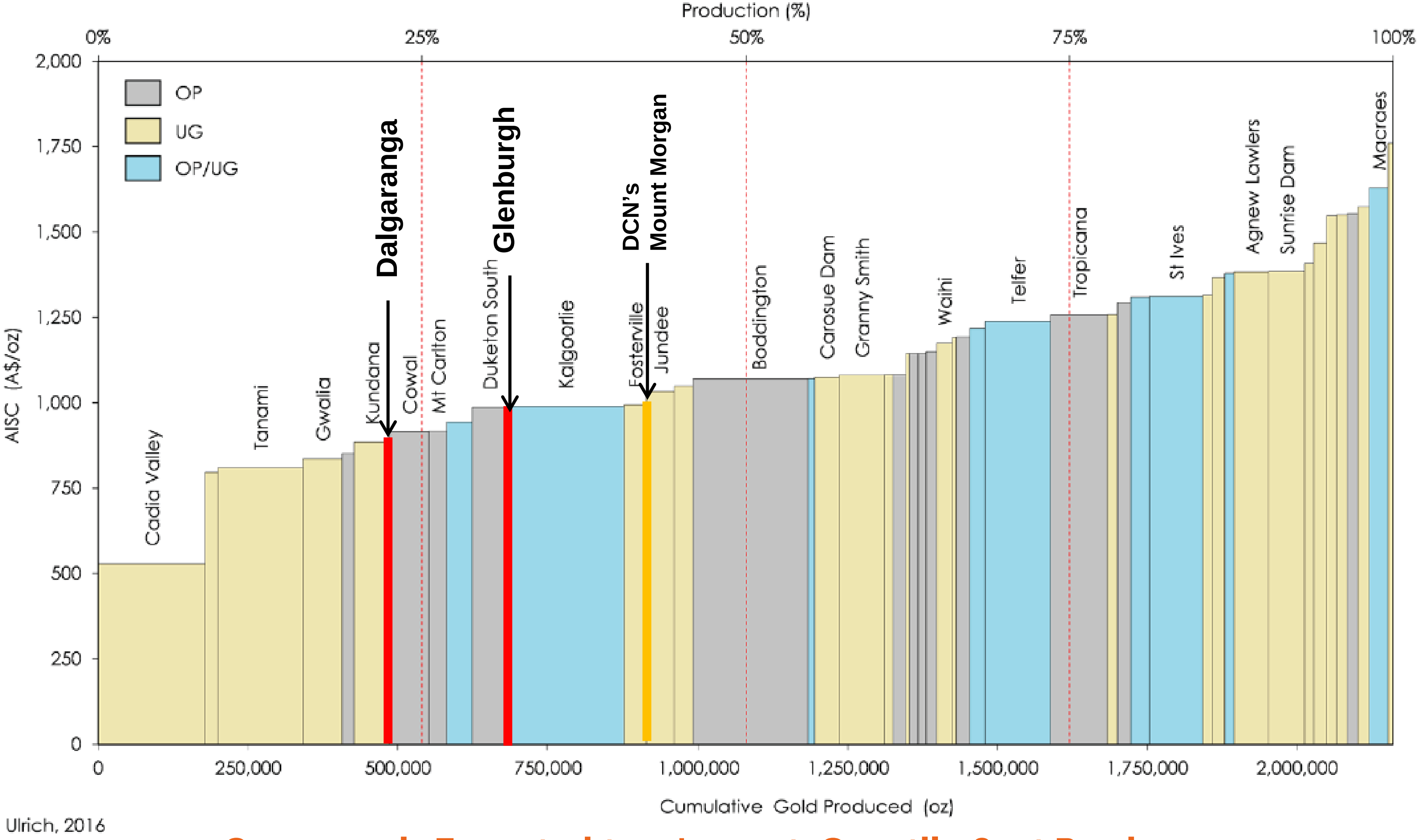
ALL RESULTING IN HIGHER OPERATING MARGINS

ONLY 2 INDEPENDENT +100,000oz DEVELOPERS LEFT ON THE ASX

- **Dacian Gold**
- **Gascoyne Resources**

Australian Sector Comparison

How Gascoyne's Projects compare based on projected AISC costs?

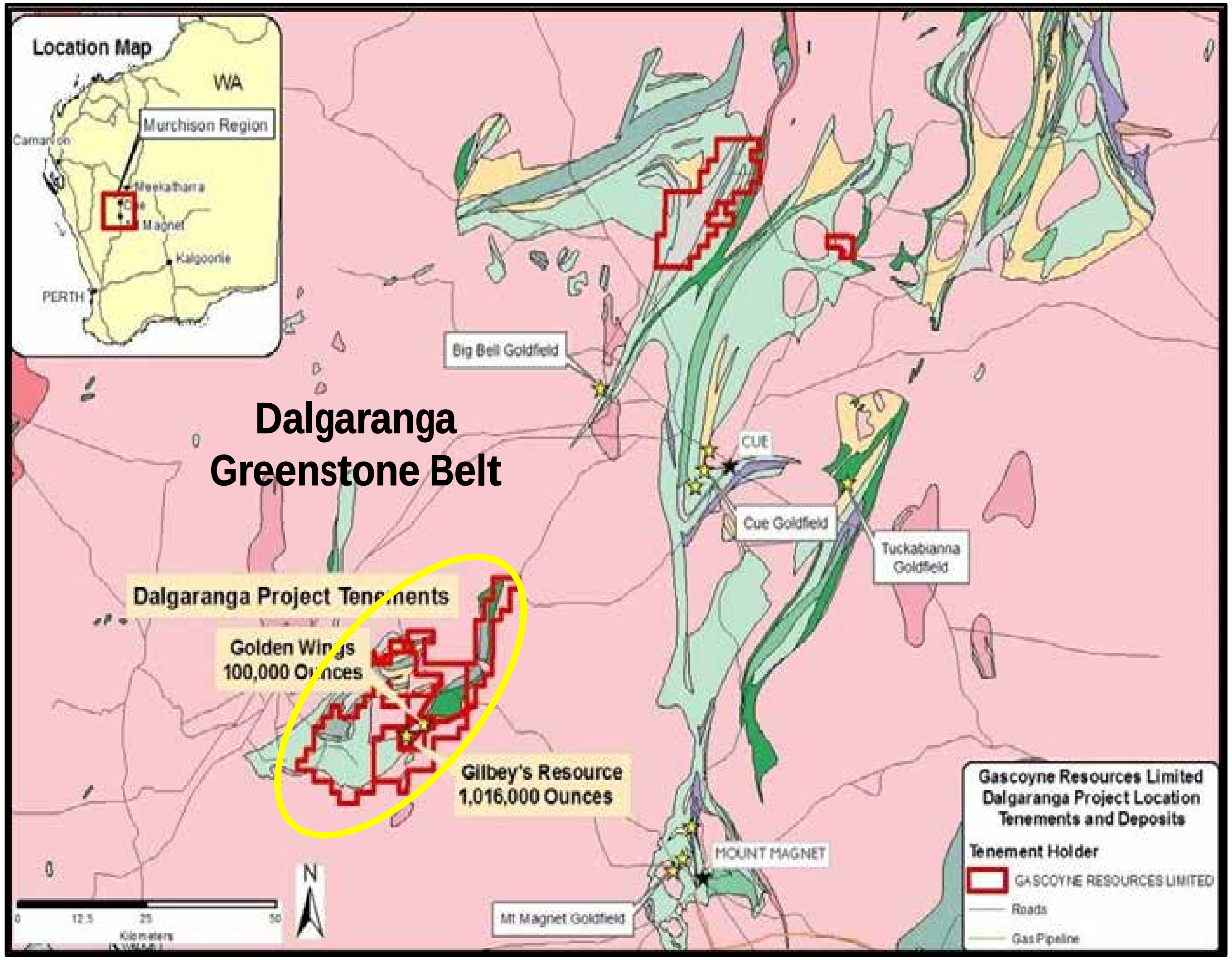


Gascoyne is Expected to a Lowest Quartile Cost Producer

Dalgaranga Project (80% GCY#)

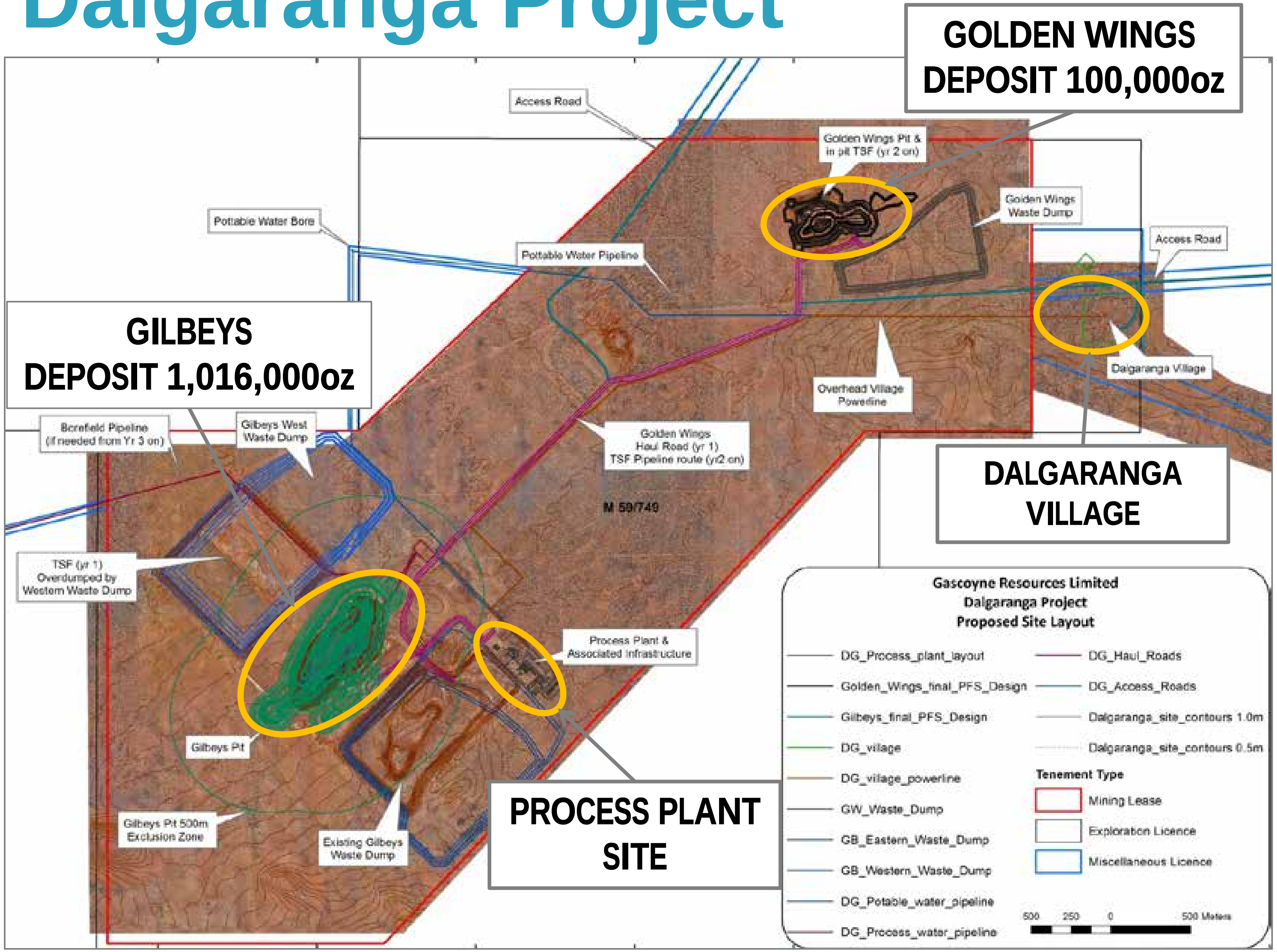
PFS Outlines Exceptional Project Economics

- **Resource of 1.12 Moz and <u>Growing</u>**
- Granted Mining Lease
- No environmental issues identified
- Pre-Feasibility Study completed in early 2016 demonstrated compelling economics:
  - 100,000 ozpa
  - Low capital costs
  - Low AISC
  - High Margins
  - 6 year Mine Life (1yr construction, 5yrs production)
- **Initial Proved and Probable Reserve of 442,000oz Defined** based on A$1,470/oz (US$1,100/oz) gold
- **DFS has largely confirmed PFS outcomes**
  - Substantial Increase in Ore Reserve Expected in FS



 # 80% owned to completion of FS, then either 100% with 2% NSR royalty or 80:20 contributing. No native title royalty

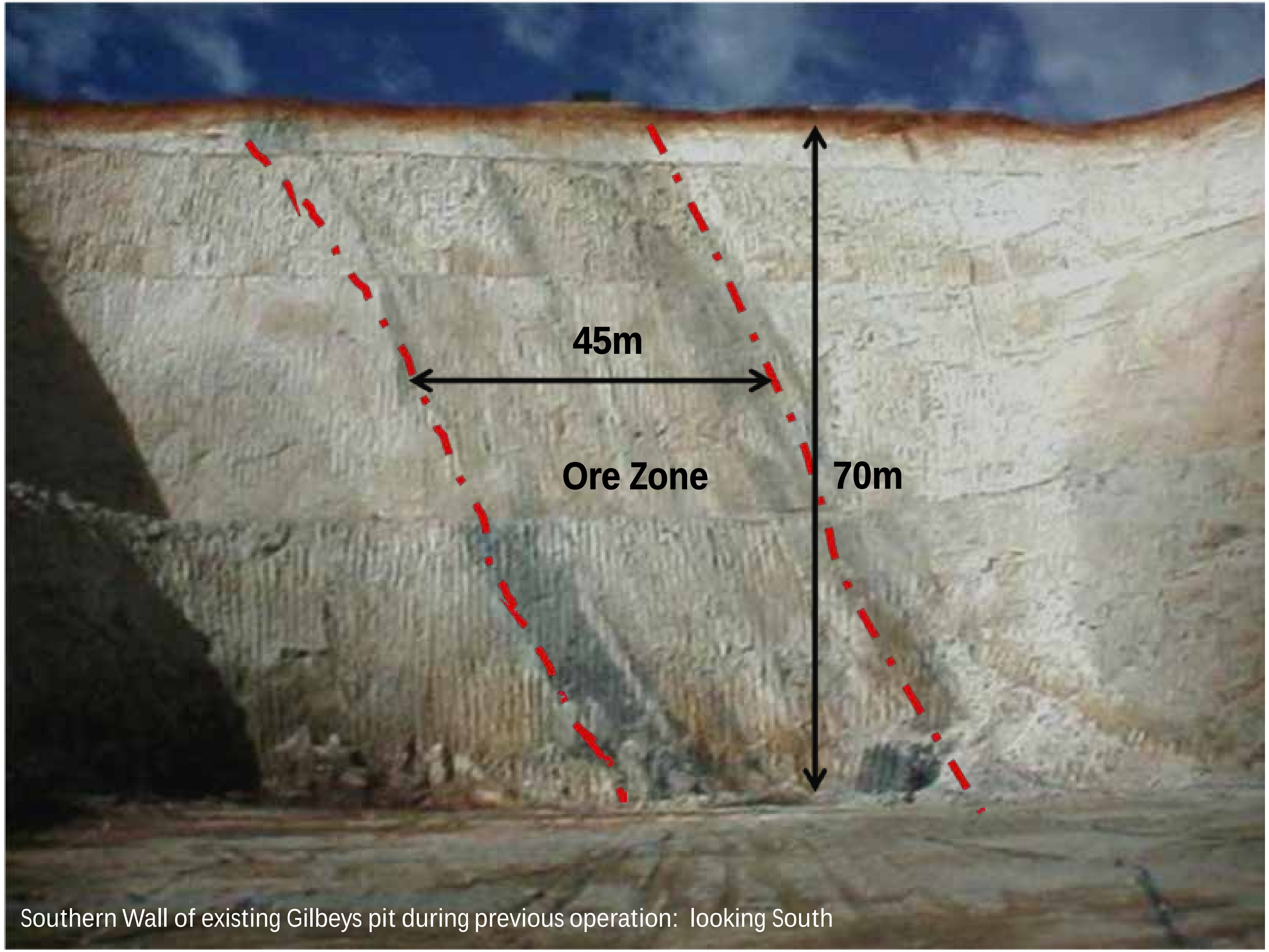
Dalgaranga Project



A Conventional Operation

- Two Open Pits within 3.5 km of each other
- A New 2.5Mtpa Processing plant
- First to be mined will be the Higher Grade Golden Wings Deposit
- Second Pit will be the staged cutback of Gilbeys.
- Existing Tailings Dam capable of ~ 5m lift
- Existing Borefield
- Camp to be located nearby
- Excellent local infrastructure
- **AND That is Just the Start**

Dalgaranga Project

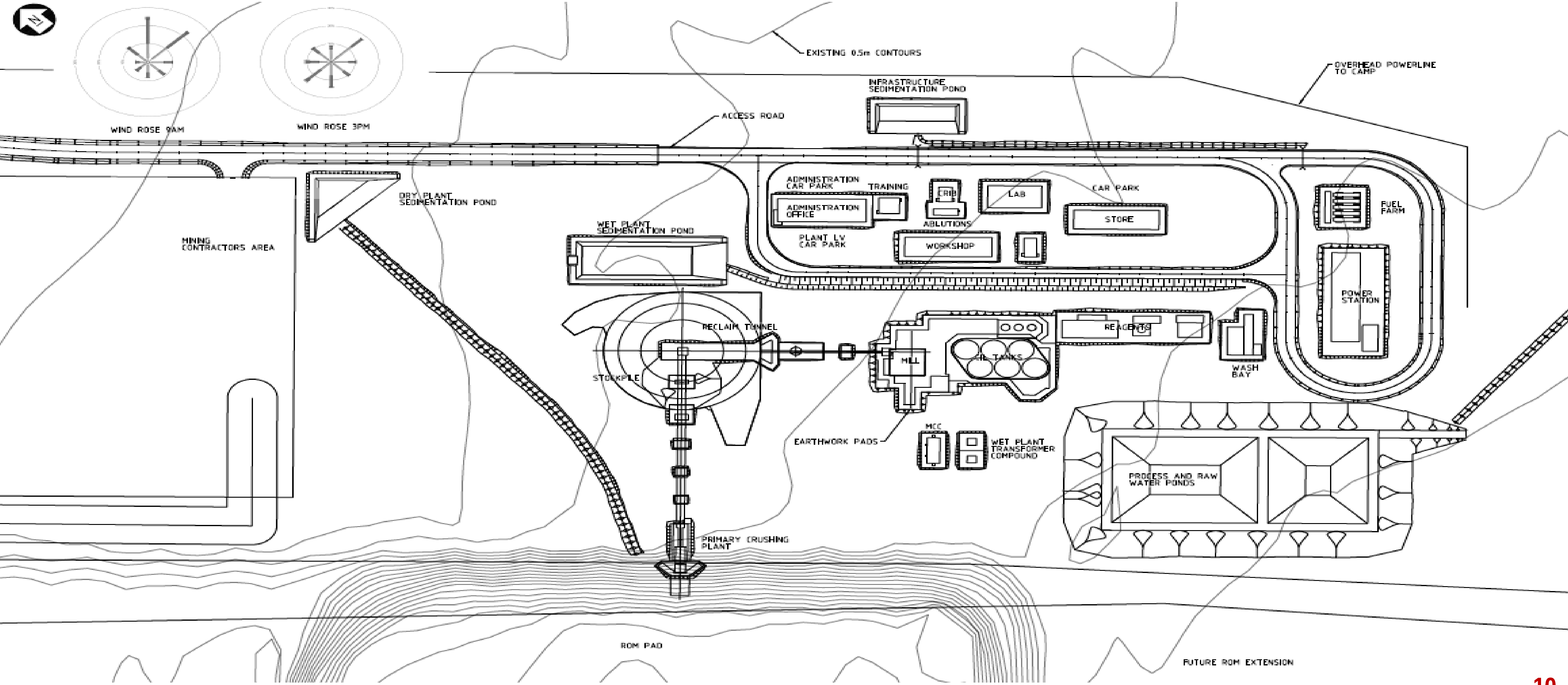


Southern Wall of existing Gilbeys pit during previous operation: looking South

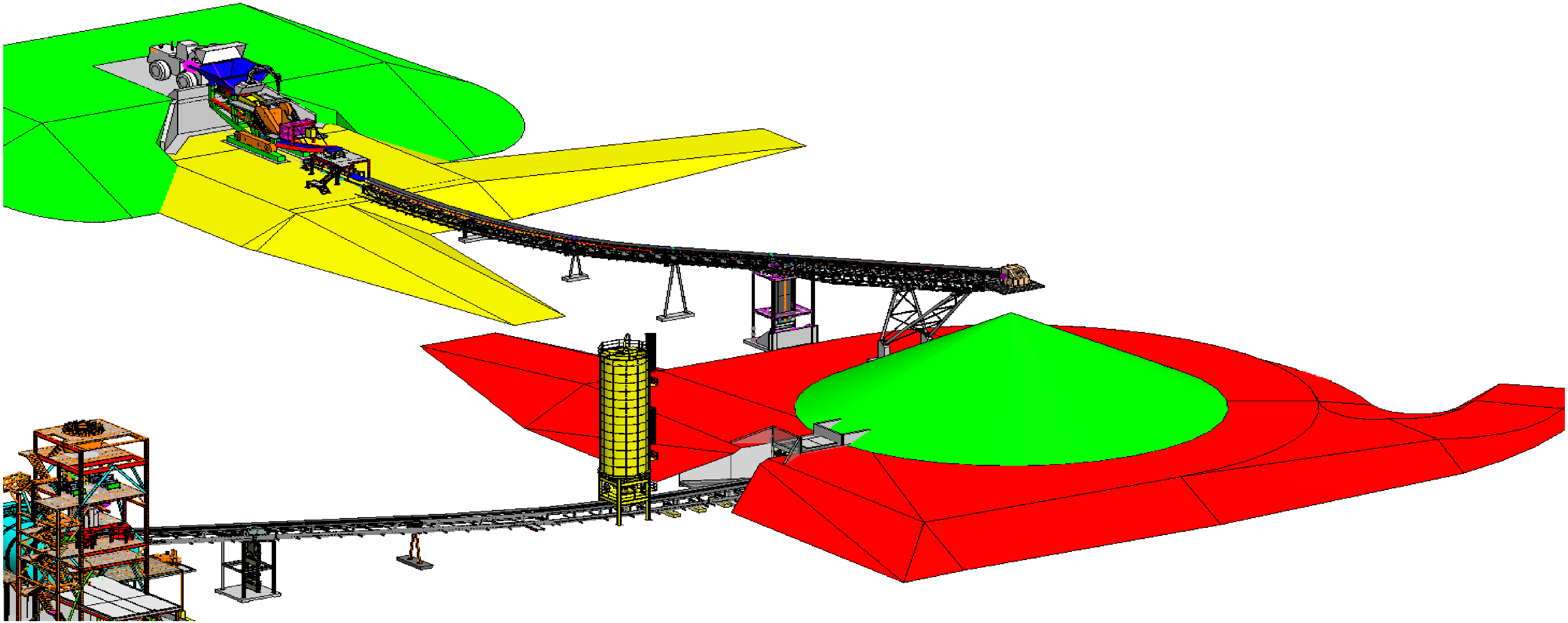
The Gilbeys Deposit – Made for Mining

- Very Deep Weathering ~100m
- 70m of Free Dig - Reduces Mining Costs
- Visual Ore Zones
- Bulk Mining – Reduces dilution & costs
- Excellent historical metallurgical recoveries (~95%)
- Soft Ore (Bond Work Index <10 for first 2.5 years) – reduces power requirements
- Historical operating data confirms low reagent consumptions, power requirements and overall costs

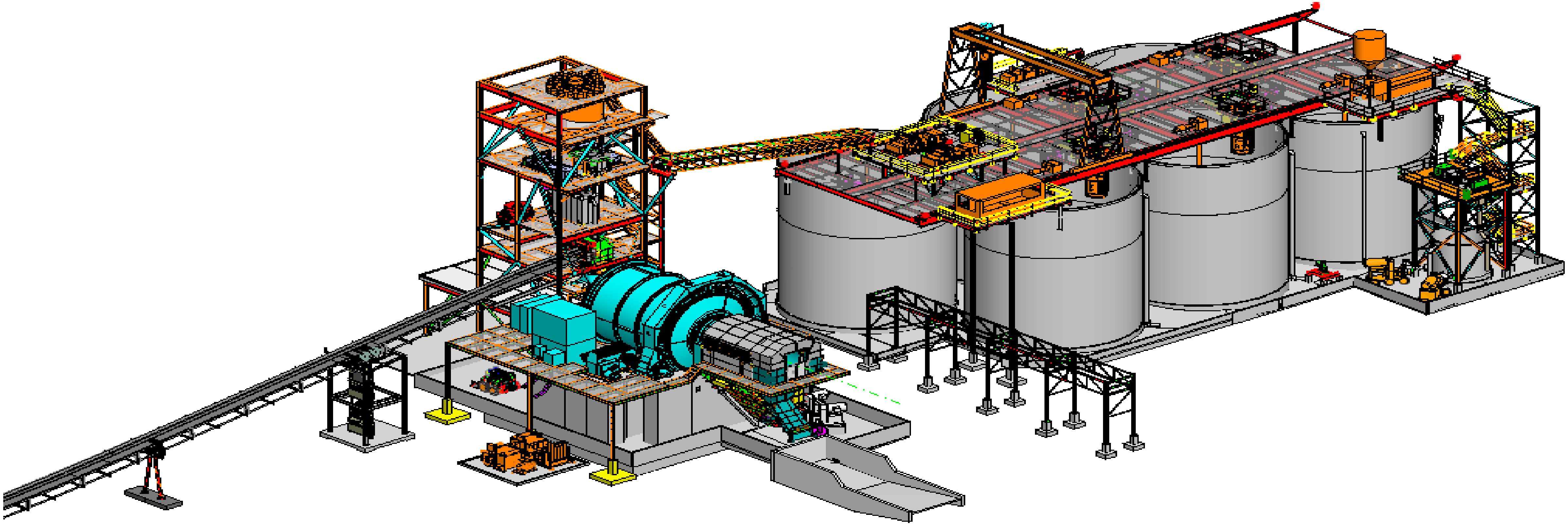
Process Plant & Infrastructure Layout



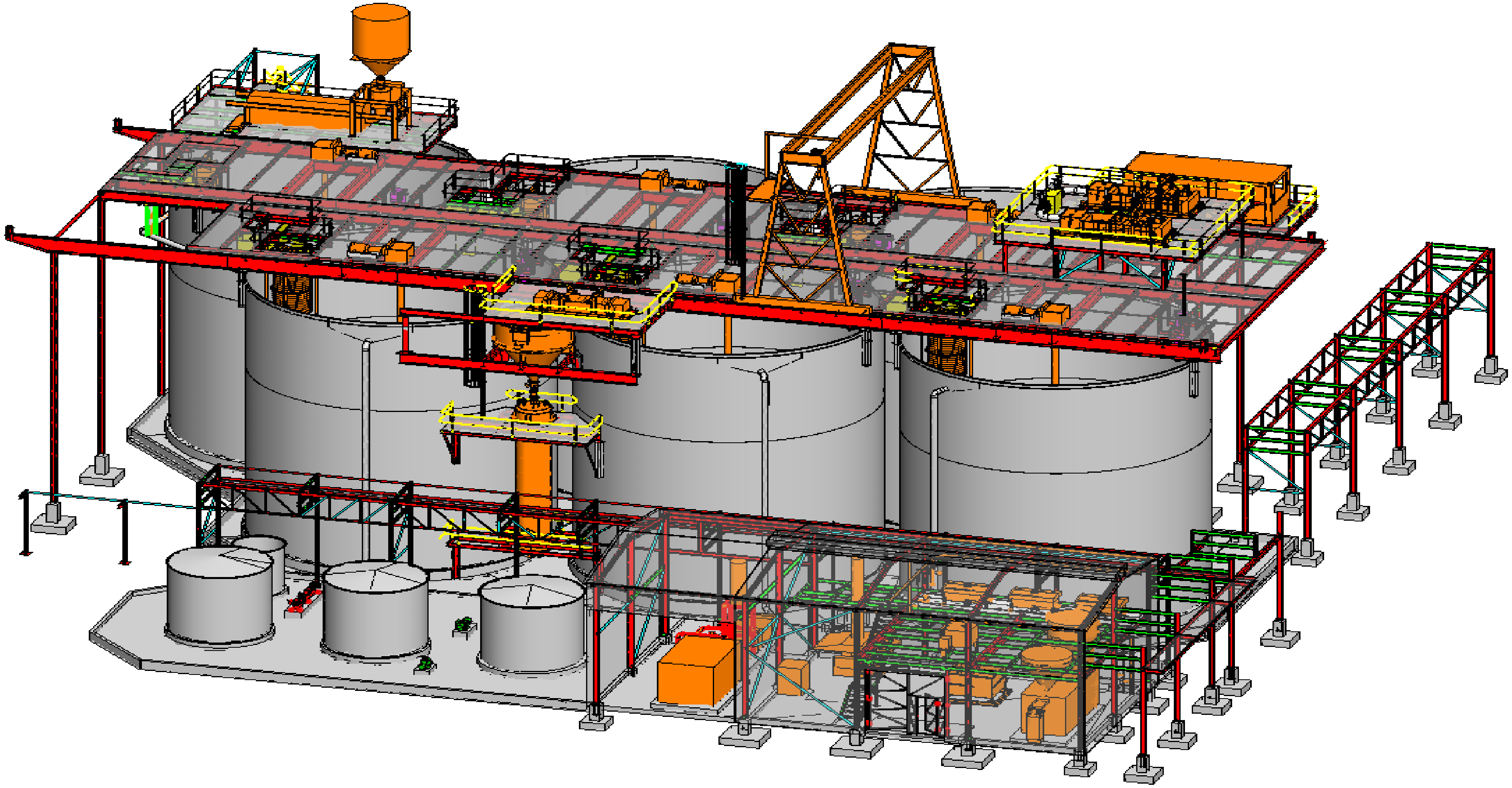
Primary Crushing, Stockpiling & Reclaim



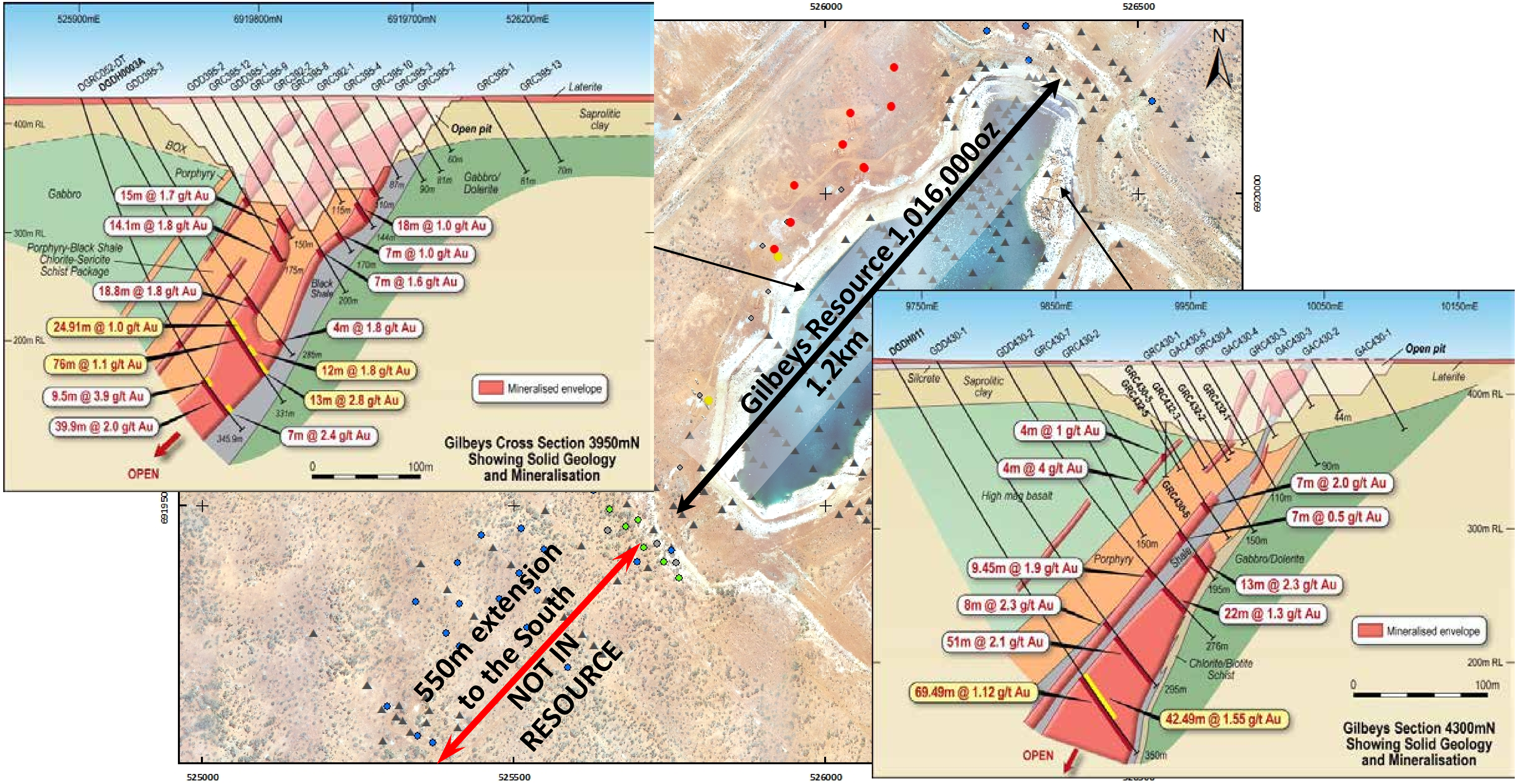
Milling & Classification, Leaching & Adsorption



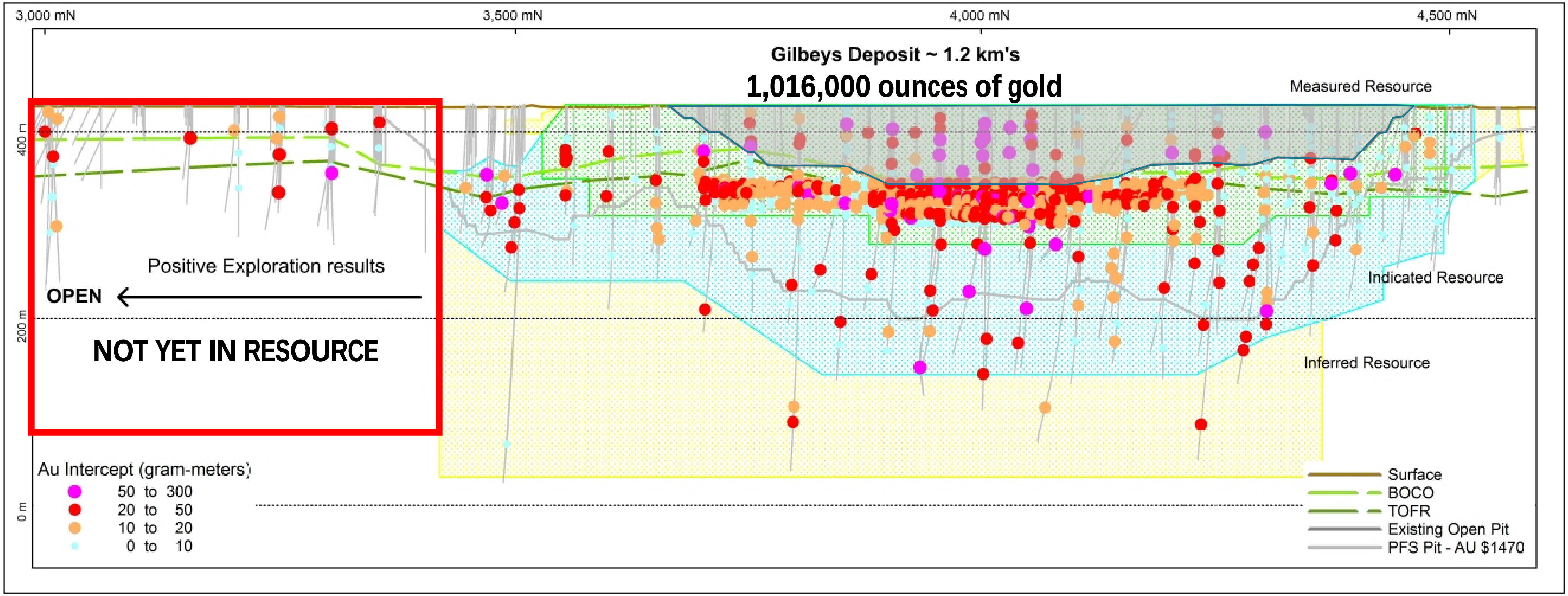
Leaching & Adsorption, Metal Recovery & Refining



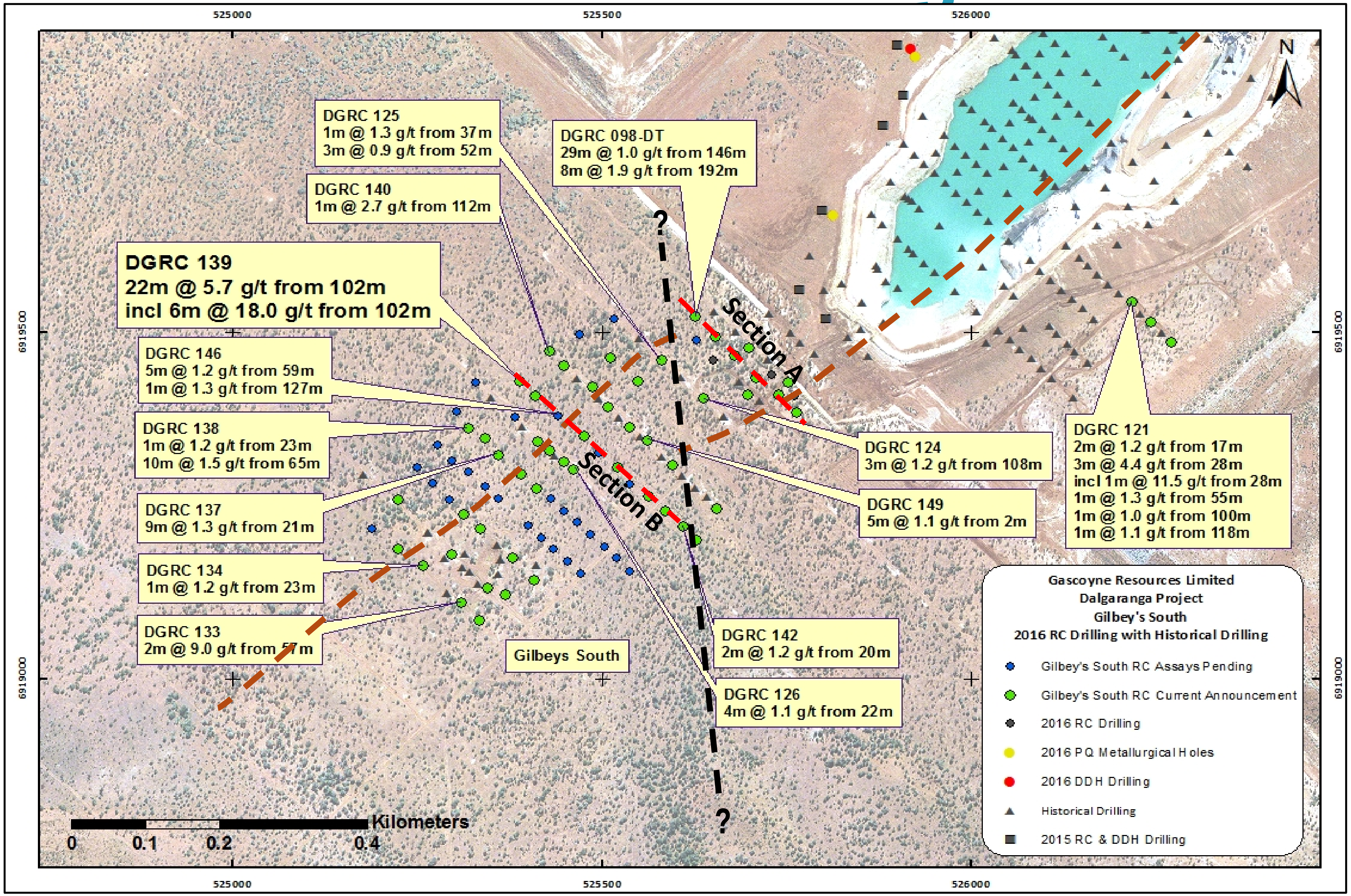
Considerable Upside Remains



Gilbeys – Just Scratching the Surface



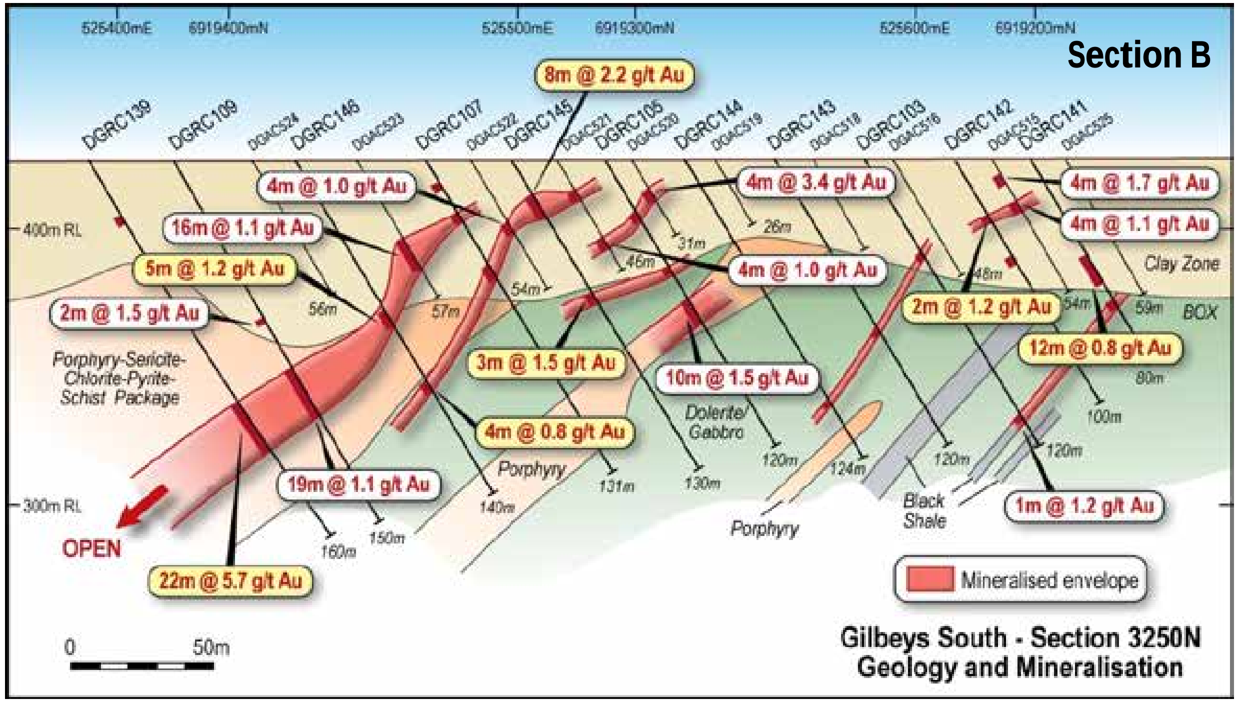
Gilbeys South – Just Scratching the Surface

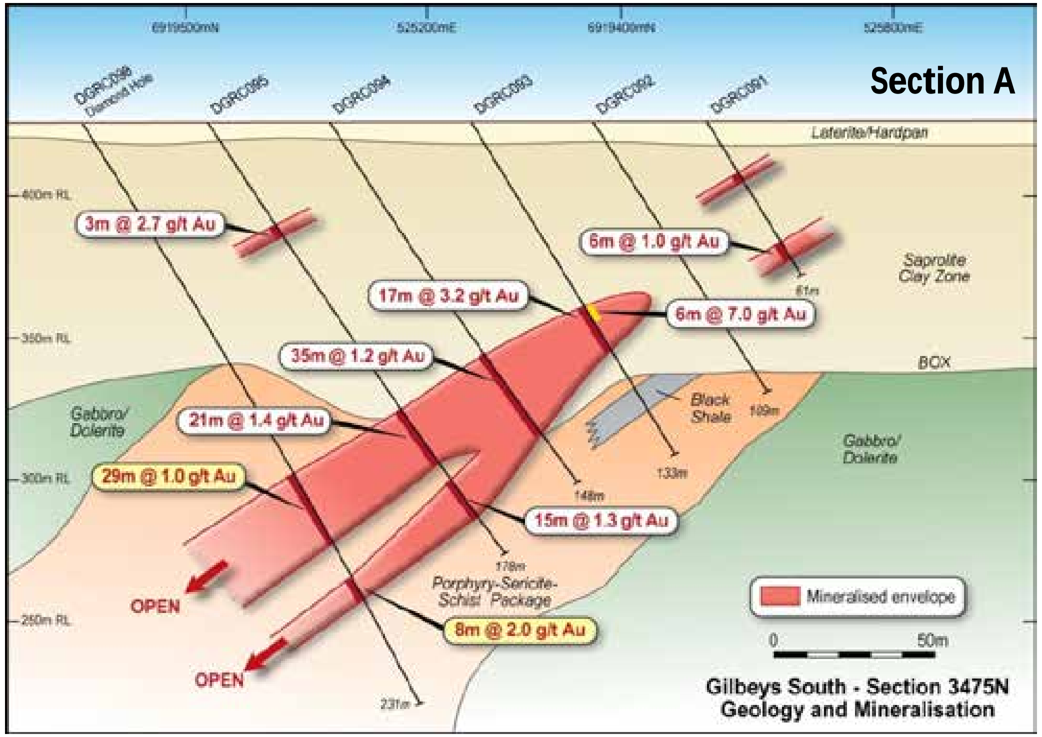


Dalgaranga Project – Gilbeys South RC Results

Intersections include:

- **22m @ 5.7 g/t gold (inc 6m @ 18g/t)**
- **8m @ 2.2 g/t gold**
- **2m @ 9.0 g/t gold**
- **8m @ 2.0 g/t gold**
- **28m @ 3.5 g/t gold**, incl. **16m @ 5.1 g/t gold**
- **17m @ 3.2 g/t gold**, incl. **6m @ 7.0 g/t gold**
- 35m @ 1.2 g/t gold
- 21m @ 1.4 g/t gold
- 29m @ 1.0 g/t gold
- 10m @ 1.5 g/t gold





Dalgaranga Project:

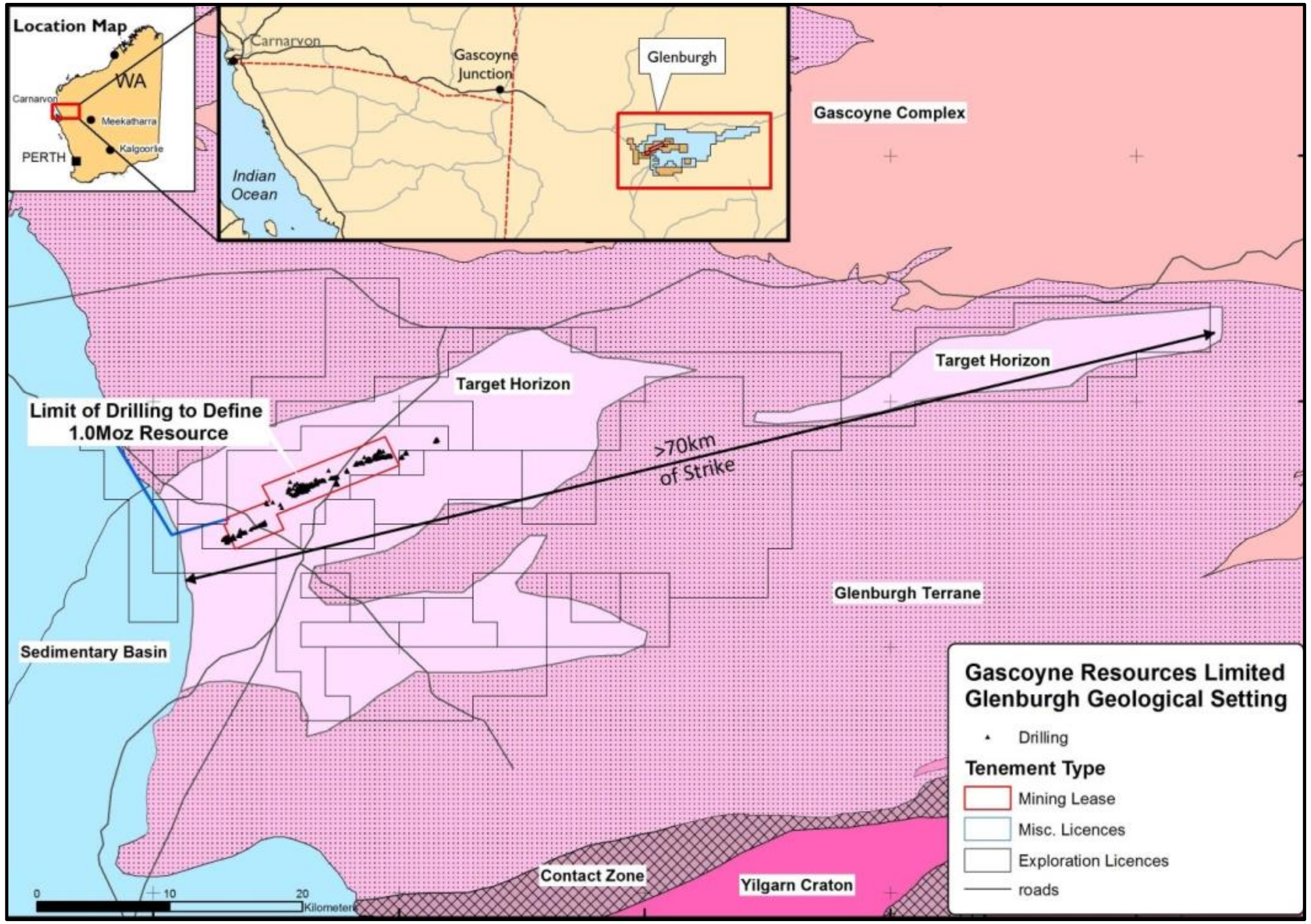
Development Timeline

Activity	2016				2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Exploration	√											
PFS	√											
Feasibility Study												
Approvals												
Financing Discussions												
Development Decision												
Secure Long Lead Items												
Construction & Commisioning												
Production												

Glenburgh Project (100% GCY)

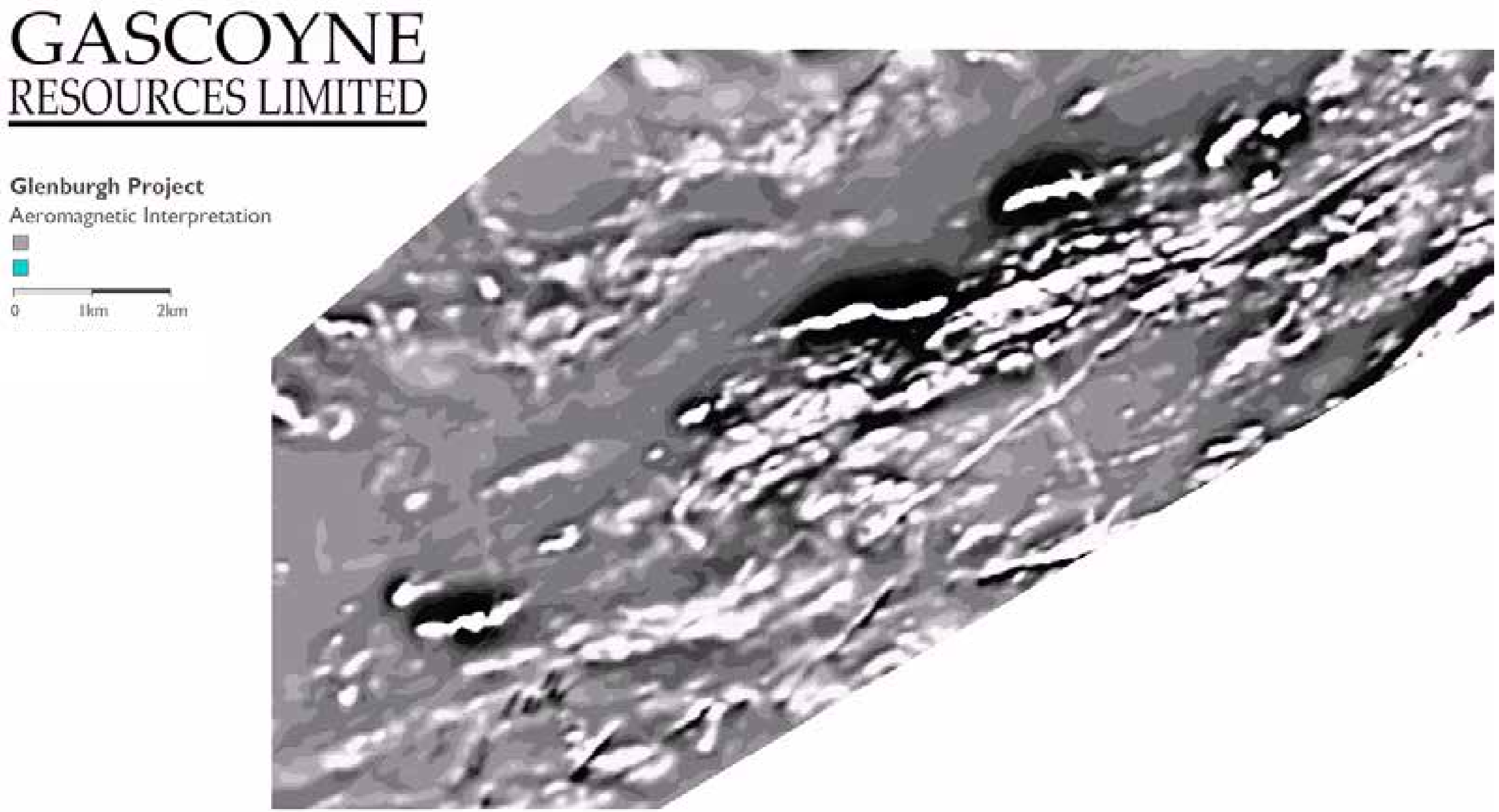
AN EXCELLENT ORGANIC GROWTH PROJECT: +1.0 million oz gold Resource...so far

- Located in the Gascoyne region of Western Australia
- Gascoyne's 2nd near term development opportunity
- **Similar Geological Setting to the ~8Moz Tropicana Gold Mine**
- Granted Mining Lease with Native Title agreement in place
- No Environmental issues identified
- Excellent Metallurgical recoveries using standard CIL process (+94%)
- Pre Feasibility Study completed (2013) outlined a +5 year project with 320,000oz in the initial mine plan with modest Capital of ~A$75M
- PFS Update underway
- **Ongoing exploration programme underway**



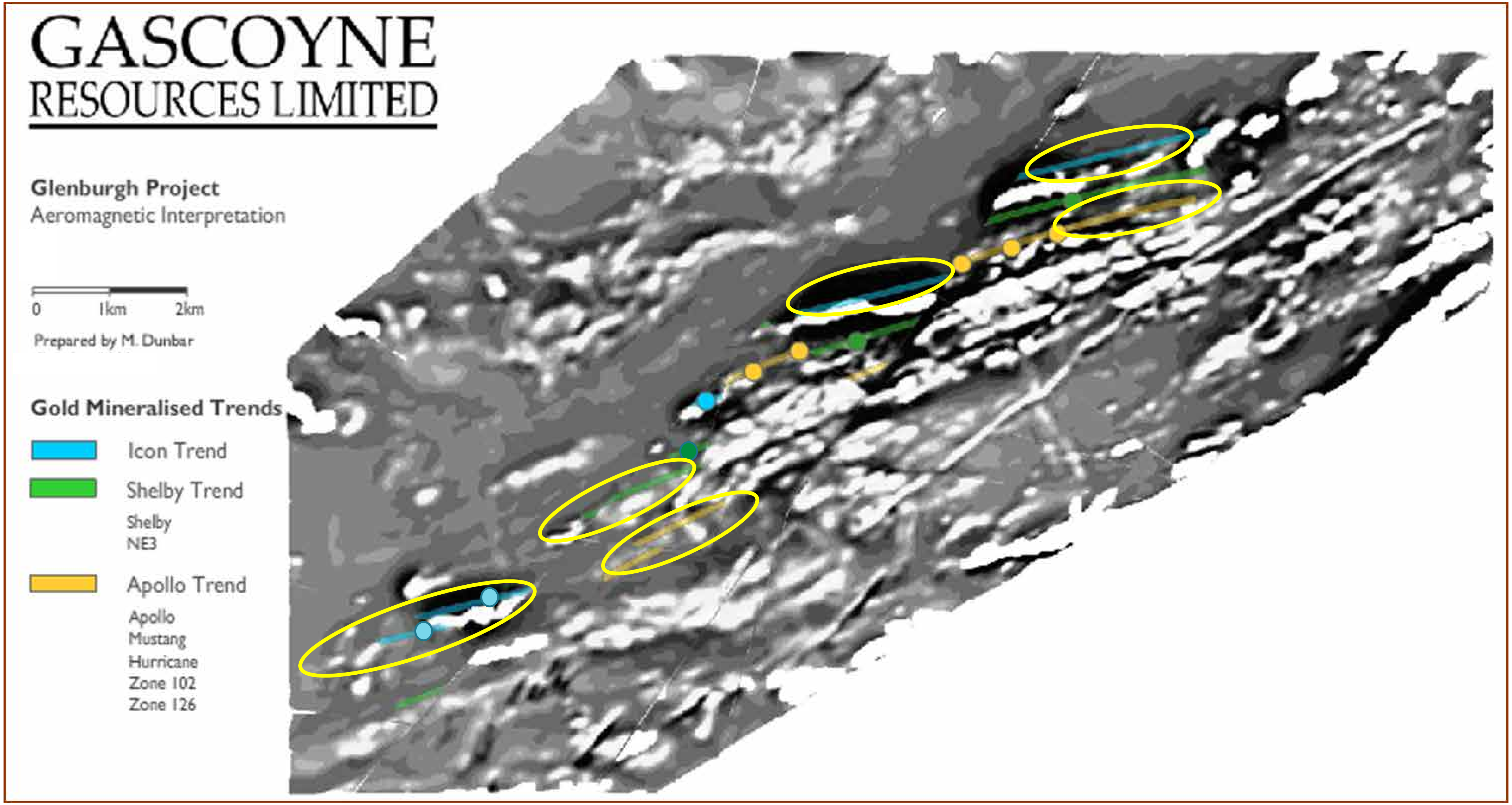
Glenburgh Project

Aeromagnetic Reconstruction: Unlocking the Geological History



Glenburgh Project

Aeromagnetic Reconstruction ~ 30% of mineralised trends tested = 1.0 Moz

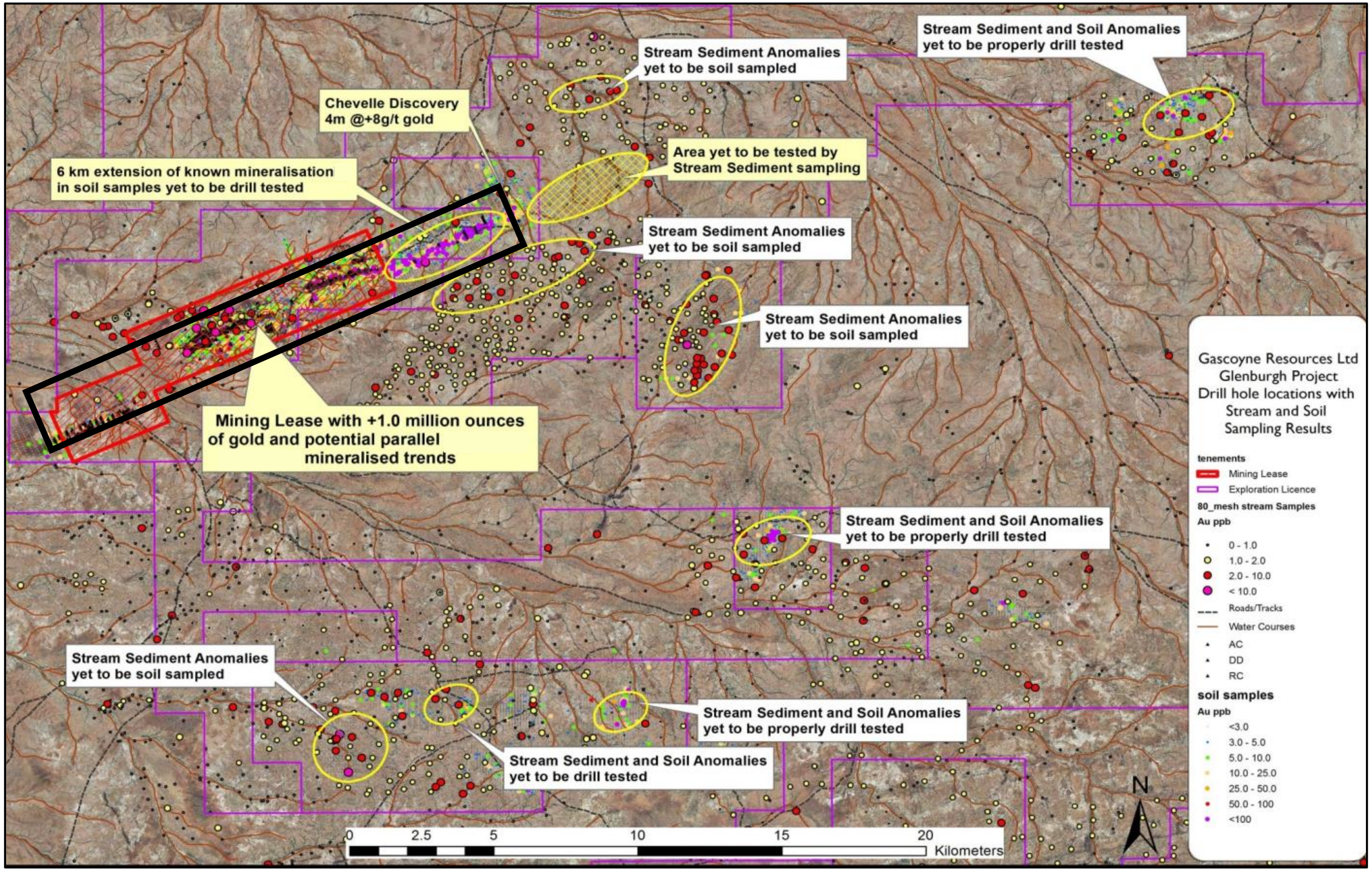


Glenburgh Project

Regional Upside

- Strike extension to the +1.0Moz Glenburgh trend **yet to be tested**
- 4 Large Stream Sediment anomalies, similar to the original Glenburgh Discovery Anomaly – **Yet to be tested**
- Numerous +1.0g/t soil anomalies **yet to be drilled**
- Three soil anomalies up to 2.5 g/t gold **yet to be properly drill tested**
- No historical prospecting or mining in the area

Craton Margin Deposits worldwide are very large systems often 3 to +5 Moz



Upcoming News

Dalgaranga Project	**Q4 2016** • Completion of Feasibility Study • Ongoing Exploration & Resource Growth Drilling • Consider pre-ordering long lead time items for construction • Resource Update – including exploration drilling completed in Q3 & Q4 **Q1 2017** • Development Decision (may be brought forward to Q4 2016) • Project Financing • Construction commences
Glenburgh Project	**H2 2016** • Surface sampling • Evaluation of regional targets

Conclusion

- **2.12 Moz of gold** in Western Australia on Granted Mining Leases, with significant upside
- **860,000oz within Initial Mine Plans**
- Robust PFS for Dalgaranga
  Initial 6 year life producing ~ 100,000ozpa, High Margins and Low AISC
- DFS completed subject to board review and approval
- Gilbeys Deposit (+1,016,000 ounces) remains open at depth, to the North, South and East
- Targeting near-term production of **100,000ozpa before growing towards 200,000ozpa**
- One of the last two independent +100,000oz gold developers remaining in Australia
- **FUNDED for Significant Exploration** newsflow at **BOTH +1.0 Moz projects** over coming months

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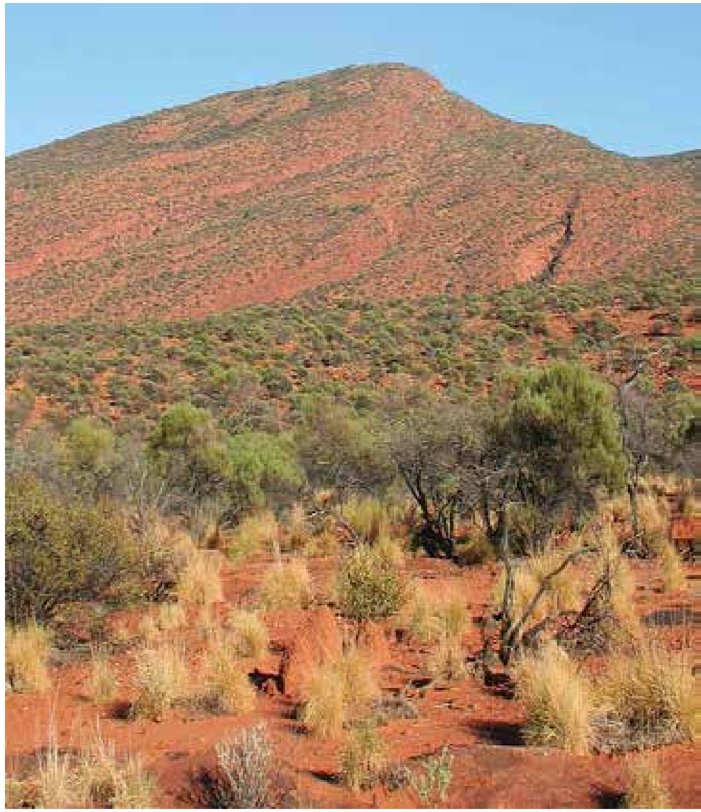

Mineral Resource and Ore Reserve Summary

Dalgaranga Global Mineral Resource Estimate (0.5g/t Gold Cut-off)												
Material Type	Measured			Indicated			Inferred			Total		
	Tonnes	Au	Au	Tonnes	Au	Au	Tonnes	Au	Au	Tonnes	Au	Au
	Mt	g/t	Ounces	Mt	g/t	Ounces	Mt	g/t	Ounces	Mt	g/t	Ounces
Laterite				0.5	1.11	17,000	0.1	0.8	3,000	**0.6**	**1.1**	**21,000**
Oxide	0.4	1.69	22,000	1.0	1.65	55,000	0.6	1.7	31,000	**2.0**	**1.7**	**108,000**
Transitional	0.3	1.83	17,000	0.8	1.69	42,000	0.3	1.5	14,000	**1.4**	**1.7**	**74,000**
Fresh	2.2	1.31	94,000	11.2	1.28	460,000	8.3	1.3	360,000	**21.7**	**1.3**	**913,000**
Dalgaranga Total	**2.9**	**1.41**	**133,000**	**13.4**	**1.33**	**575,000**	**9.3**	**1.4**	**407,000**	**25.7**	**1.4**	**1,116,000**
Glenburgh Deposits - Area Summary: 2014 Mineral Resource Estimate (0.5g/t Gold Cut-off)												
Area	**Measured**			**Indicated**			**Inferred**			**Total**		
Central	2.6	1.8	150,000	3.2	1.3	137,000	8.4	1.2	329,000	**14.2**	**1.3**	**616,000**
North East	0.2	4.0	31,000	1.4	2.1	94,000	3.3	1.7	178,000	**4.9**	**1.9**	**303,000**
South West	-	-	-	-	-	-	2.2	1.2	84,000	**2.2**	**1.2**	**84,000**
Glenburgh Total	**2.9**	**2.0**	**181,000**	**4.6**	**1.6**	**231,000**	**13.9**	**1.3**	**591,000**	**21.3**	**1.5**	**1,003,000**
Glenburgh Deposits – High Grade Domains (+2.0g/t): 2014 Mineral Resource Estimate												
Central	0.31	4.8	48000	0.11	3.7	13000	0.35	2.6	29000	**0.76**	**3.7**	**91000**
North East	0.16	5.6	29100	0.60	3.5	68000	0.52	4.9	82000	**1.30**	**4.3**	**179000**
South West							0.03	2.3	2000	**0.03**	**2.3**	**2000**
Glenburgh Total HG	**0.47**	**5.1**	**77,100**	**0.71**	**3.6**	**82,000**	**0.91**	**3.9**	**114,000**	**2.09**	**4.1**	**273,000**
Egerton Gold Resource Inventory (+2.0g/t cutoff)												
Hibernian	32,100t	9.5	9,801	46,400t	5.3	7,841	37,800t	5.1	6,169	**116,400t**	**6.4**	**23,811**
Egerton Total	**32,100t**	**9.5**	**9,801**	**46,400t**	**5.3**	**7,841**	**37,800t**	**5.1**	**6,169**	**116,400t**	**6.4**	**23,811**

Dalgaranga Reserve Breakdown March 2016			
Ore Reserve Category	**Tonnes (Mt)**	**Gold Grade (g/t)**	**Contained Gold Ounces**
Proved	2.27	1.34 g/t	97,000
Probable	7.81	1.4 g/t	345,000
Total Ore Reserve	**10.1**	**1.4 g/t**	**442,000**

Disclaimer & Competent Persons Statement

This presentation contains forward looking statements. Forward looking statements are often, but not always, identified by the use of words such as "seek", "target", "anticipate", "forecast", "believe", "plan", "estimate", "expect" and "intend" and statements that an event or result "may", "will", "should", "could" or "might" occur or be achieved and other similar expressions. Indications of, and guidance on, future expected production or earnings and financial position and performance are also forward looking statements. The forward looking statements in this presentation are based on current expectations, estimates, assumptions, forecasts and projections about Gascoyne and the industry in which it operates as well as other factors that management believes to be relevant and reasonable in the circumstances at the date such statements are made, but which may prove to be incorrect. The forward looking statements relate to future matters and are subject to various inherent risks and uncertainties. Many known and unknown factors could cause actual events or results to differ materially from the estimated or anticipated events or results expressed or implied by any forward looking statements. Such factors include, among others, changes in market conditions, future prices of gold and exchange rate movements, the actual results of production, development and/or exploration activities, variations in grade or recovery rates, plant and/or equipment failure and the possibility of cost overruns. Neither Gascoyne, its related bodies corporate nor any of their directors, officers, employees, agents or contractors makes any representation or warranty (either express or implied) as to the accuracy, correctness, completeness, adequacy, reliability or likelihood of fulfilment of any forward looking statement, or any events or results expressed or implied in any forward looking statement, except to the extent required by law.

You are cautioned not to place undue reliance on any forward looking statement. The forward looking statements in this presentation reflect views held only as at the date of this presentation. Other than as required by law and the ASX Listing Rules, Gascoyne disclaims any duty to update forward looking statements to reflect new developments.

Information in this presentation is based on data compiled by Gascoyne's Managing Director Mr Michael 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 2012 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.

The Glenburgh, Golden Wings and Gilbeys Mineral Resources have been estimated by RungePincockMinarco Limited, an external consultancy, and are reported under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves (see GCY -ASX announcement 24th July 2014 titled: High Grade Domains Identified Within Updated Glenburgh Gold Mineral Resource and ASX announcement 7th September 2016 titled 40% Increase in Gilbeys Measured and Indicated Mineral Resource at Dalgaranga). The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimate in the relevant market announcement 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 materially modified from the original market announcements.

The Dalgaranga Ore Reserve has been estimated by CSA Global Pty Ltd, an external consultancy, and is reported under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves (see GCY -ASX announcement 31st March 2016 titled: *Dalgaranga Pre-feasibility Confirms Exceptional Project Economics*. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Ore Reserves all material assumptions and technical parameters underpinning the estimate in the relevant market announcement 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 materially modified from the original market announcements.

The Egerton Mineral Resource estimate and Gaffney's Find prospect historical exploration results have been sourced from Exterra Resources annual reports and other publicly available reports which have undergone a number of peer reviews by qualified consultants, who conclude that the resources comply with the JORC code and are suitable for public reporting. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.
All references to dollars, cents or $ in this presentation are to AUS$ currency, Where US$ are stated FX exchange rate of A$/US$ rate of 75c is used.

Disclaimer & CP Statement – Continued

Production Targets:
Production Targets outlined in this presentation are based 100% on Measured, Indicated and Inferred Mineral Resources and Proved and Probable Ore Reserves, NO Exploration target or exploration upside has been incorporated.

Dalgaranga Project
In the case of the Dalgaranga Project, the Production Target is based on 81% Ore Reserves (Proved and Probable) and 19% Inferred Resources. There is a lower level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the Inferred Mineral Resources will add to the economics of the project. The first 5 years of the project's life is underpinned by this Ore Reserve, the last year of production is based on Inferred Resources, inclusion of these Inferred Mineral Resources does not substantially change the financial outcome or alter the viability of the project. There has historically been very good conversion of Inferred Resources into Indicated Resources as the structures and geological units that host the mineralisation at Dalgaranga can be traced along strike and at depth. Currently the drill density is too sparse to allow this material to be classified as Indicated Resources. As a result there is no assurance that the economic evaluation outlined in this presentation will be realised.
All of the JORC (2012) modifying factors have been adequately addressed and are sufficiently well understood (evidenced by estimation of a Proved and Probable Ore Reserve), including securing long term tenure with the grant of the Mining Lease, environmental baseline studies, mining studies, metallurgical studies, geochemical studies, tailings disposal studies, engineering studies including capital and operating cost estimates and hydrogeological studies all having been completed on the project.
The company confirms that the form and context in which the Competent Person's findings are presented have not materially modified from the original PFS announcement.

Glenburgh Project
Glenburgh PFS was prepared and first disclosed under the JORC Code 2004 (the resource has now been updated to conform with the JORC 2012 guidelines). The Production Target is based on the JORC (2004) Resource (released to the ASX on April 29th 2013) which formed the basis for the preliminary Feasibility Study and was classified as Indicated and Inferred and as a result, was not sufficiently defined to allow conversion to an Ore Reserve; the financial analysis in the preliminary Feasibility Study is conceptual in nature and should not be used as a guide for investment. The Production Target is based on 70% Measured and Indicated Resources and 30% Inferred Resources. There is a lower level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the Inferred Mineral Resources will add to the economics of the project. However. there has historically been very good conversion of Inferred Resources into Measured and Indicated Resources as the structures and geological units that host the mineralisation at Glenburgh can be traced along strike and at depth. As a result there is no assurance that the economic evaluation outlined in this presentation will be realised. All of the JORC (2004) modifying factors have been adequately addressed and are sufficiently well understood to allow the completion of a PFS. An Ore Reserve has not been estimated for the Glenburgh Project.

The JORC 2012 Glenburgh Mineral Resource estimate (outlined in this presentation), will form the basis for PFS update which is underway.

While the Company does not have all of the required funding in place for development of the projects, the Directors believe (given the Company's market capitalisation of circa $150M, which is double the expected capital cost for Dalgaranga the Company's history of raising capital, the current financial position of the Company, the Board's history of successful fundraisings and project development and the relatively modest pre-production capital requirements) it is reasonable to expect that funding (debt, equity, JV funding or funds from other sources or a combination of each) for the Dalgaranga Project will be available as and when it is required. It is also reasonable to assume that funding for the Glenburgh Project will also be available as and when required, particularly since the staged approach to development of the two projects and the potential cashflow from Dalgaranga could see Glenburgh funded from internal (future) sources.