

25 SEPTEMBER 2013

No. of Pages: 44

ASX CODE: ORS

Market Cap.: \$10.2m (\$0.096 p/s)

Shares on issue: 106,048,002

Cash: \$2.2m (30 June 2013)

BOARD & MANAGEMENT

Ian Gandel, Chairman

Anthony Gray, Managing Director

Bob Tolliday, Director

MAJOR SHAREHOLDERS

Alliance Resources – 20.8%

Abbotsleigh – 18.7%

JP Morgan Nominees – 8.9%

COMPANY PRESENTATION

Please find attached a copy of a Company presentation to be made by the MD, Mr Anthony Gray at the RIU Melbourne Resources Round-up September 2013 held in Melbourne, VIC today.

For and on behalf of the Board.

Bob Tolliday

Company Secretary
OCTAGONAL RESOURCES LIMITED

Additional information relating to Octagonal and its various mining and exploration projects can be found on the Company's website:

www.octagonalresources.com.au

PRINCIPAL OFFICE

Octagonal Resources Limited

ABN 38 147 300 418

Suite 3, 51 – 55 City Road

Southbank VIC 3006

T +61 3 9697 9088

F +61 3 9697 9089

E info@octagonalresources.com.au

W www.octagonalresources.com.au

RIU Melbourne
Resources Round-up
September 2013

“Building a sustainable gold
producing operation in Victoria
to fund Company growth”



Photo: Portal of Union Hill Decline (Maldon, VIC)

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The information in this presentation that relates to mineral resources and exploration results are based on information compiled by Mr Anthony Gray who is a Member of the Australian Institute of Geoscientists. Any statement herein, direct or implied, as to a potential gold deposit is conceptual in nature and a reference to the targeted gold potential and not to any JORC compliant Mineral Resource. Mr Gray is a full time employee of Octagonal Resources Limited, and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2004 edition of the JORC Code. Mr Gray has given his consent to the inclusion in this presentation of the matters based on the information in the form and context in which it appears.

The information in this presentation that relates to exploration, mining, and production targets refers to targets that are conceptual in nature, where there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.

Victorian Gold Producer



Gold producer since November 2012



Quality Junior Mining Stock



Speculative Mining Investment Opportunity

- ▶ Difficult equity market conditions mean many junior mining companies are greatly undervalued

How do you pick a quality stock ?

- ▶ Share Structure ✓

- ▶ Cash Flow ✓

- ▶ Management ✓

Experienced in finding, mining, and capital raising

- ▶ Project Location ✓

Gold is where you find it – World Class Gold Producing Districts

- ▶ Assets ✓

Resources, mill, mine, quality exploration tenure



Investment Highlights



Victorian gold producing assets:

- ▶ Junior Australian gold company with a cash flow
- ▶ Targeting sustained gold production of ~30,000 oz per year
- ▶ 150,000 tpa CIL gold processing plant at Maldon
- ▶ Inferred Resources totalling 245,000 oz of gold ¹
- ▶ 2 kilometre long decline accesses the Maldon Goldfield
- ▶ Underground mining at the 182,000 oz Alliance South Deposit ¹
- ▶ Open pit mining to commence at the 53,000 oz Pearl Croydon Deposit in early 2014 ¹

Significant gold-copper discovery in Western Australian:

- ▶ Poorly explored landholding located 70km southeast of Kalgoorlie, near +12 million oz St Ives Goldfield, +0.8 million oz Daisy Milano Mine & +0.4 million oz Salt Creek Mine
- ▶ Significant gold and copper discovered at the Burns Prospect



1: Refer to slide 43 – JORC Resource Inventory

Company Overview



ASX Code: ORS	
ASX Listed	5 January 2011
Ordinary Shares	106.0 million
Options	0
Market Cap. (\$0.095)	\$10.1 million
Cash	\$2.2 million (30 Jun. 2013)
Range (since listing)	\$0.086 - \$0.25
Average Daily Volume	50,000 shares

Directors	
Ian Gandel	Chairman
Anthony Gray	Managing Director
Bob Tolliday	Non-Executive Director

Major Shareholders	Shares	%
Alliance Resources Limited	22 million	20.8
Abbotsleigh Pty Ltd (Ian Gandel)	19.9 million	18.7
JP Morgan Nominees	9.4 million	8.9
Top 20 Shareholders	69.8 million	65.8
TOTAL SHARES	106,048,002	100



Board & Senior Management



Company Performance



Equity Raising

- ▶ December 2010: \$12 million at \$0.25 per share (IPO)

Short Term Objectives in Prospectus

- ▶ Commence underground mining from the Alliance South Shoot at Maldon
Acquired underground mining fleet → commenced mining as owner operator
- ▶ Mine a trial open pit at Black Reef (Wehla) to determine viability of a larger open pit operation
Open pit mined → assessing viability of larger open pit
- ▶ Define at least 250,000 tonnes of additional open pit resources in Central Victoria
114,000 tonne initial resource defined at Specimen Reef (Dunolly)
- ▶ Undertake aggressive exploration at Hogan's in WA to test for a major gold deposit
50,000 metres drilled → discovered potentially large gold-copper deposit



Victorian Gold Operation



WORLD CLASS GOLD PRODUCING DISTRICT



Bendigo Zone
25M oz primary

Victorian Primary Gold

Total production: 80M oz
Primary production: 35M oz

Maldon

1.75M oz primary Au, av. 28 g/t Au
0.3M oz alluvial Au



Social Licence



Community

- ▶ Recruit locally, employ residential staff, use local suppliers & service providers
- ▶ +\$300,000 spent every month in Central Victoria
- ▶ Discuss operations with community and address concerns
- ▶ Support local community events and sporting clubs



Environment

- ▶ Managed with Environmental Management Plan, inc. monitoring & rehabilitation
- ▶ Performance reported quarterly to Environmental Review Committee

Traditional Owners

- ▶ Royalty agreement for Pearl Croydon Deposit
- ▶ Discussing work and training opportunities

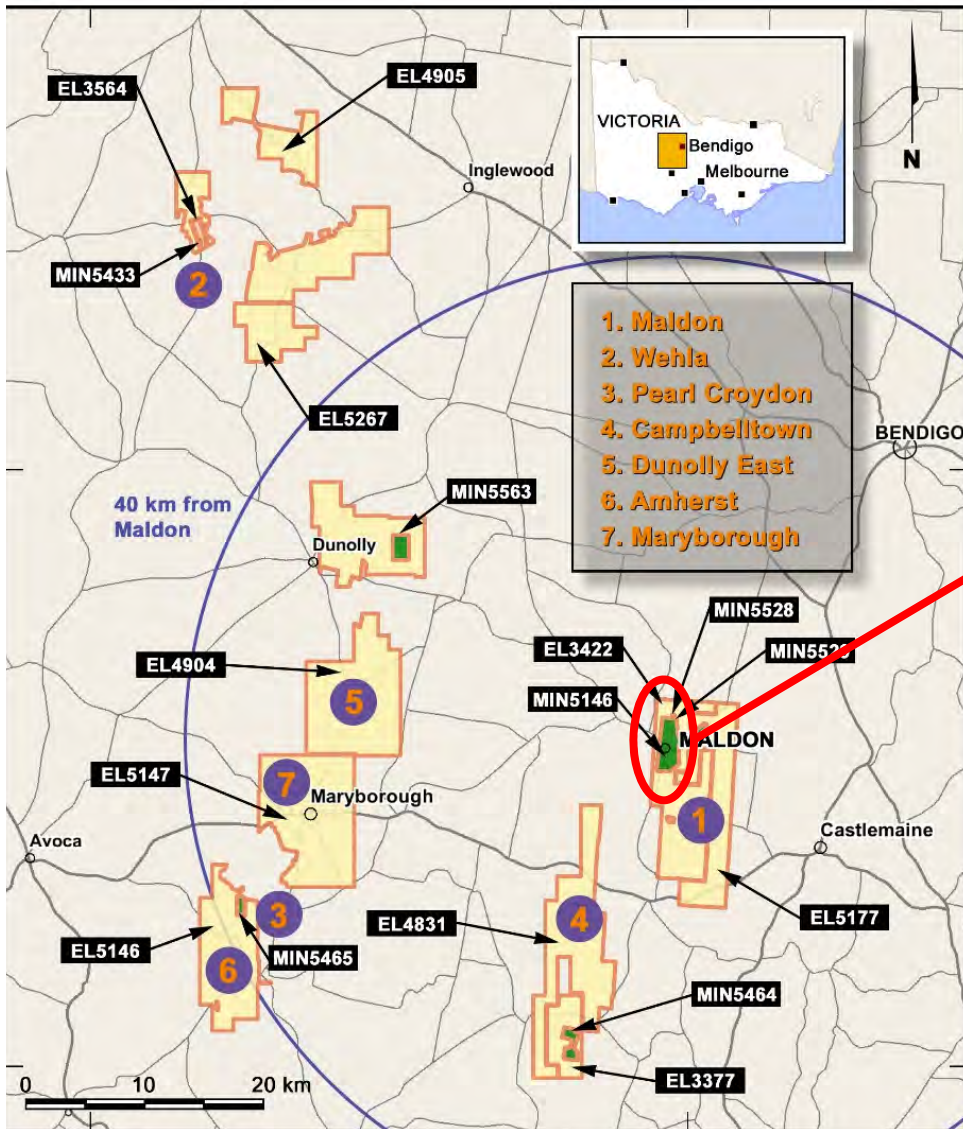


Occupational Health & Safety

- ▶ Managed with Safety Management System, inc. hazard id, management & training
- ▶ +1,000 days MTI and LTI free (+140,000 man hours)



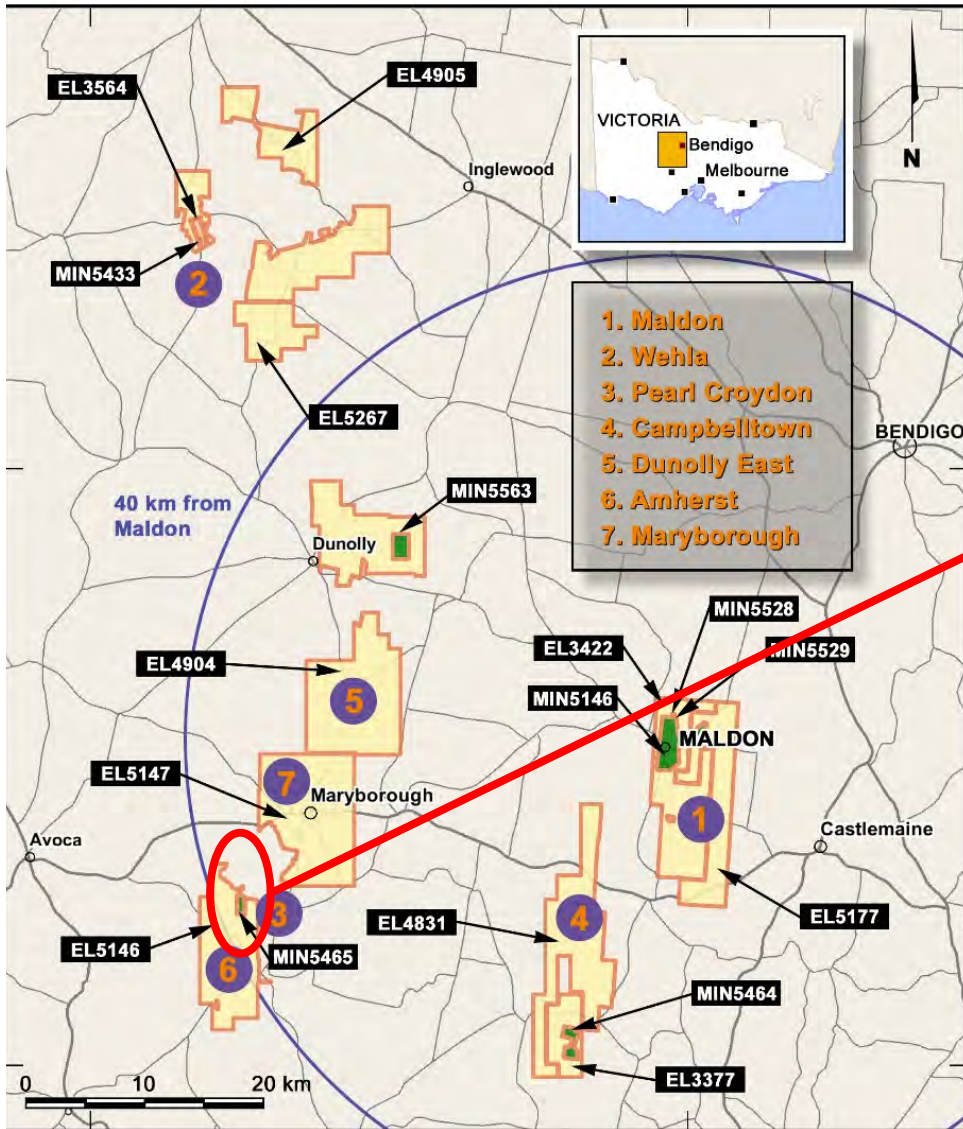
Victorian Gold Operation



Maldon

- ▶ 150,000 tpa CIL gold mill
- ▶ Underground mining

Victorian Gold Operation

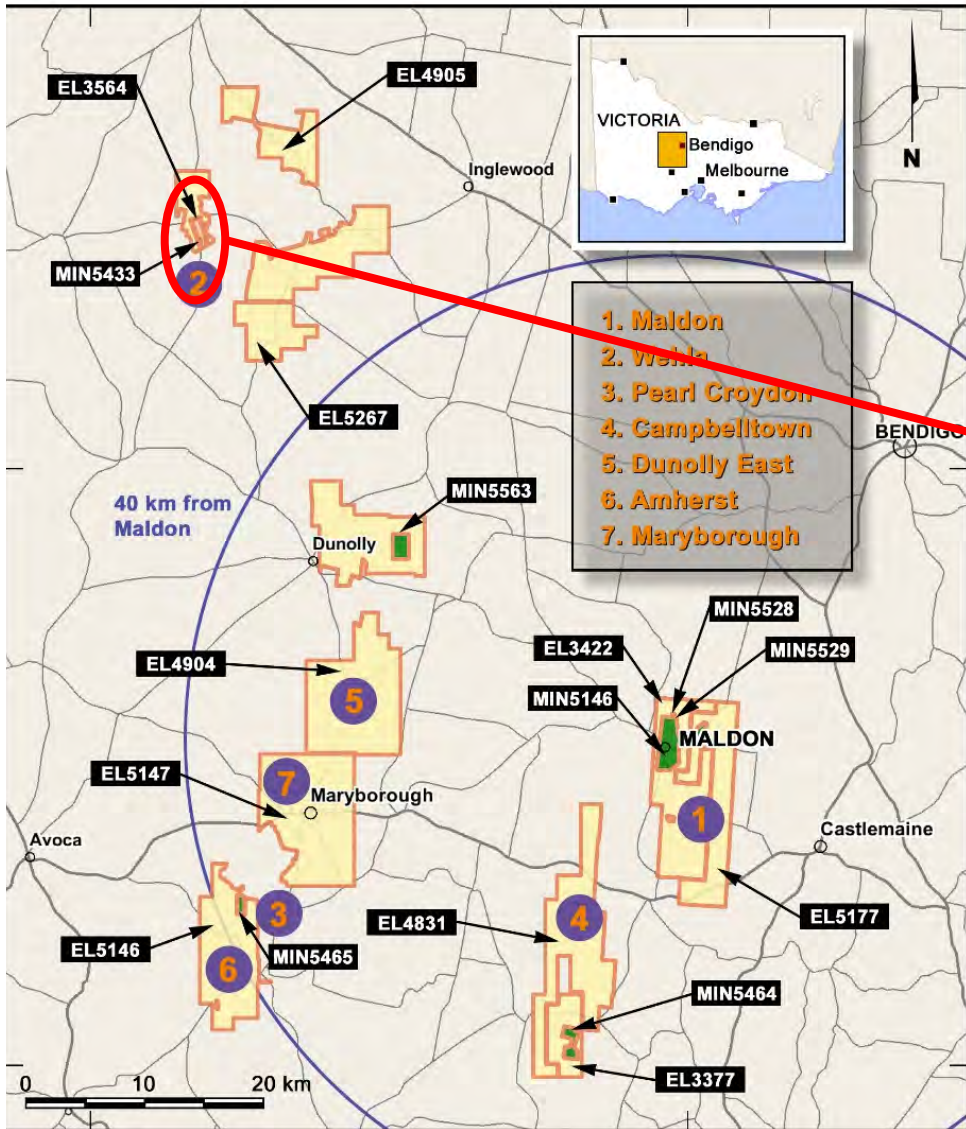


Pearl Croydon

- 53,000oz near-surface resource ¹
- Open pit mine starting early 2014

1: Refer to slide 43 – JORC Resource Inventory

Victorian Gold Operation



Wehla

- Mined trial open pit at Black Reef
- Larger mining operation ?

Victorian Mining Strategy



Develop a sustainable low risk, high grade, high margin gold operation

- ▶ Focus on grade and profit not tonnes and ounces
- ▶ Narrow vein mining – small mining equipment – owner operator
- ▶ Understand the gold distribution and ground conditions of deposit
- ▶ Low cash costs – small multi-skilled professional and experienced team
- ▶ Develop multiple underground and open pit ore sources – strong project pipeline
- ▶ Supplement production profile with third party ore
- ▶ Use existing resources to fund Company growth



Key Assets

Maldon Gold Processing Plant

- ▶ 150,000 tpa CIL gold mill
- ▶ **Replacement cost: +\$15 million**



Union Hill Decline

- ▶ 2 kilometres long
- ▶ 4 metre by 4.5 metre size
- ▶ **Construction cost: +\$20 million**



Key Assets

Mining Fleet

- ▶ Twin boom jumbo
- ▶ Single boom jumbo
- ▶ Two 30 tonne dump trucks
- ▶ Bogger, grader & loader
- ▶ **Replacement cost: +\$1 million**



People

- ▶ 14 multi-skilled & professional staff
3 underground miners, 3 mill operators,
1 diesel mechanic, 1 mining engineer
2 metallurgists, 3 geologists, 1 administrator
(over 300 years of mining industry experience)
- ▶ Supervising 5 - 20 contractors every day
- ▶ +1,000 days MTI & LTI free
- ▶ **Replacement cost: PRICELESS**

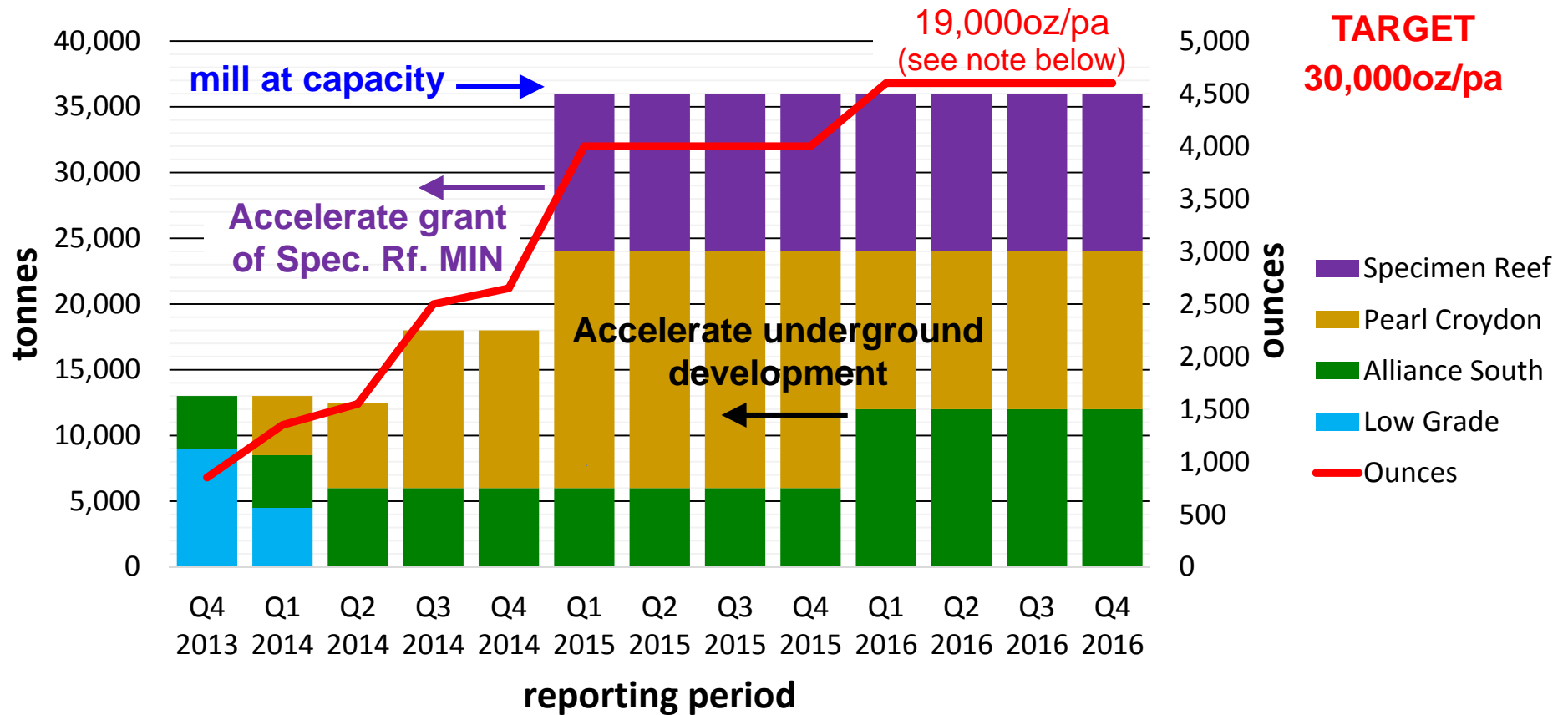


Forecast Quarterly Production

Over 3 years production from existing resources



Octagonal
Resources Limited



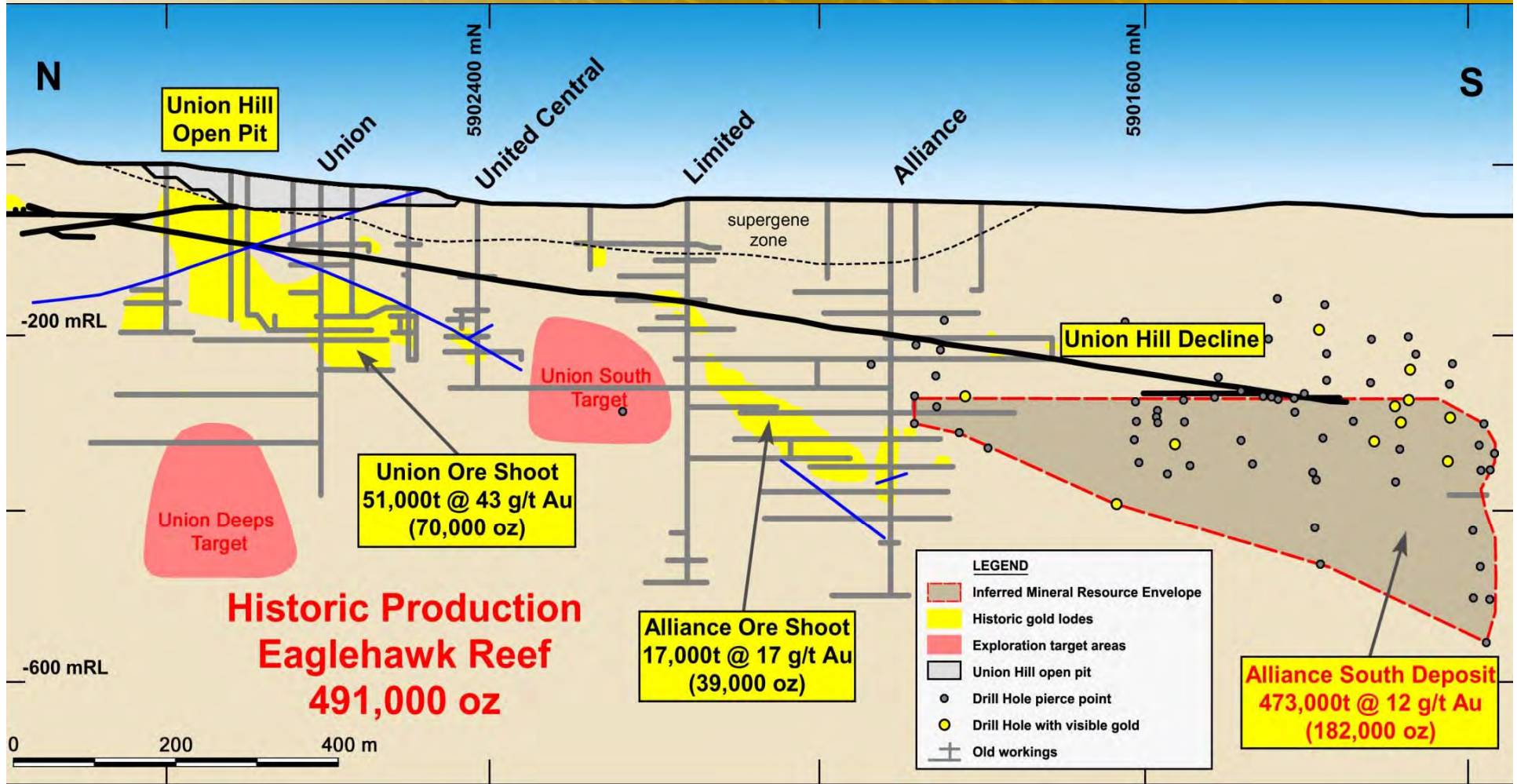
- ▶ Alliance South forecast gold grades conservative @ 5 to 6 g/t Au
- ▶ Open pits forecast @ 3 g/t Au
- ▶ To achieve 30,000oz/pa:
 - Require 13.5 g/t Au from underground, OR
 - Improve open pit to underground ore ratio

ALLIANCE SOUTH DEPOSIT - MALDON

Inferred Resource: 473,000 tonnes grading 12.0 g/t Au for 182,000 ounces¹

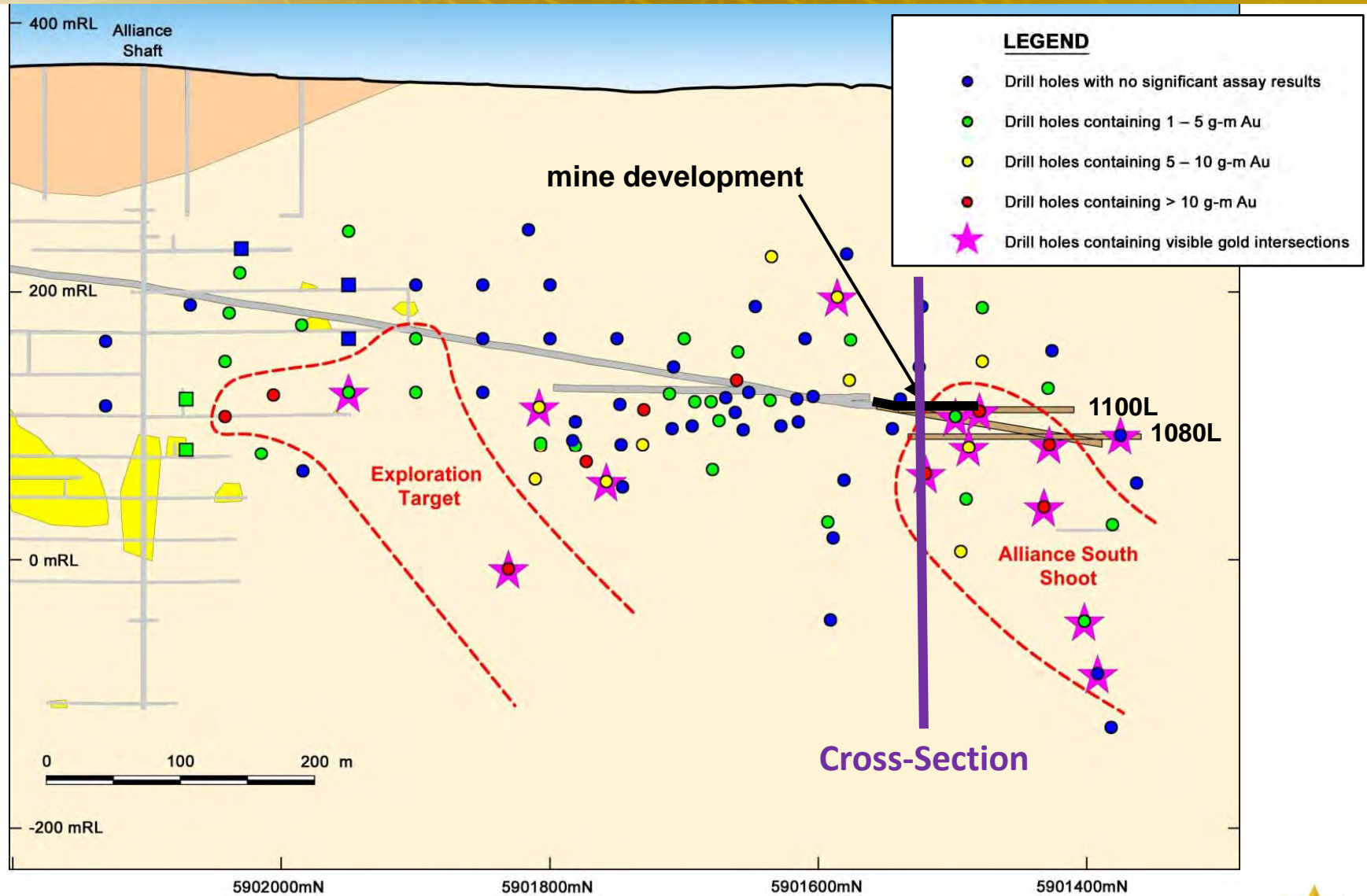


Alliance South Deposit



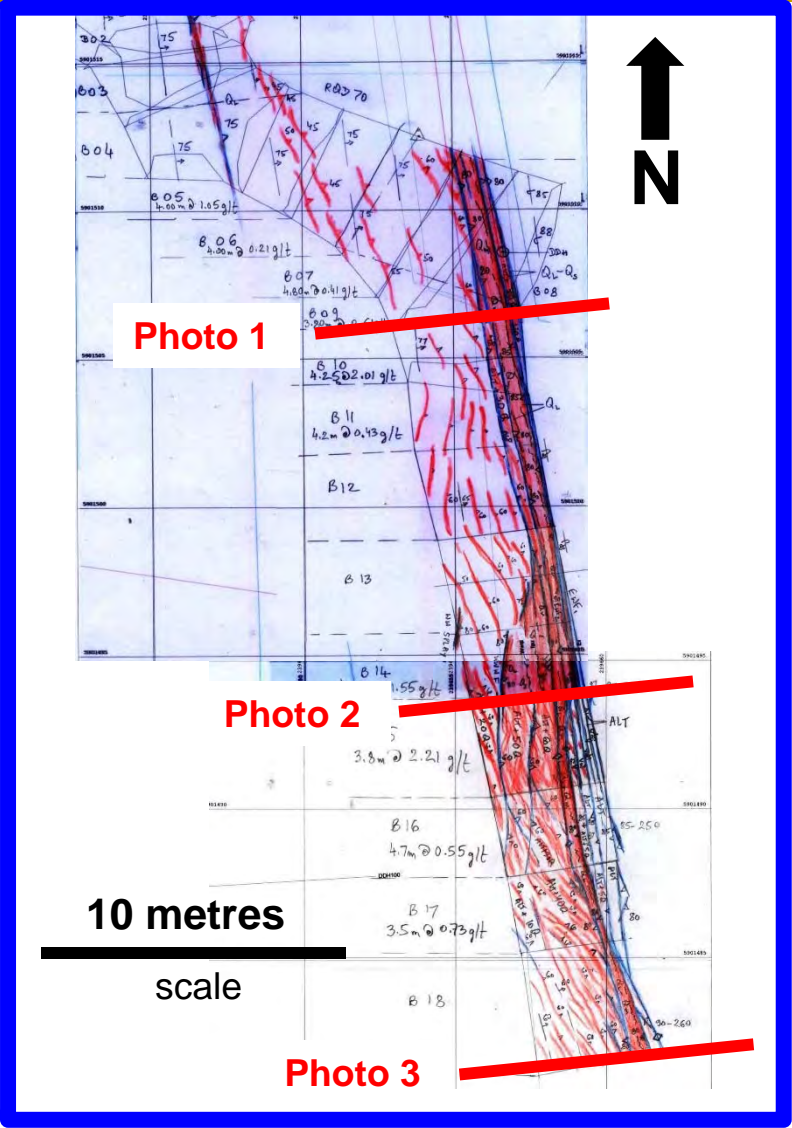
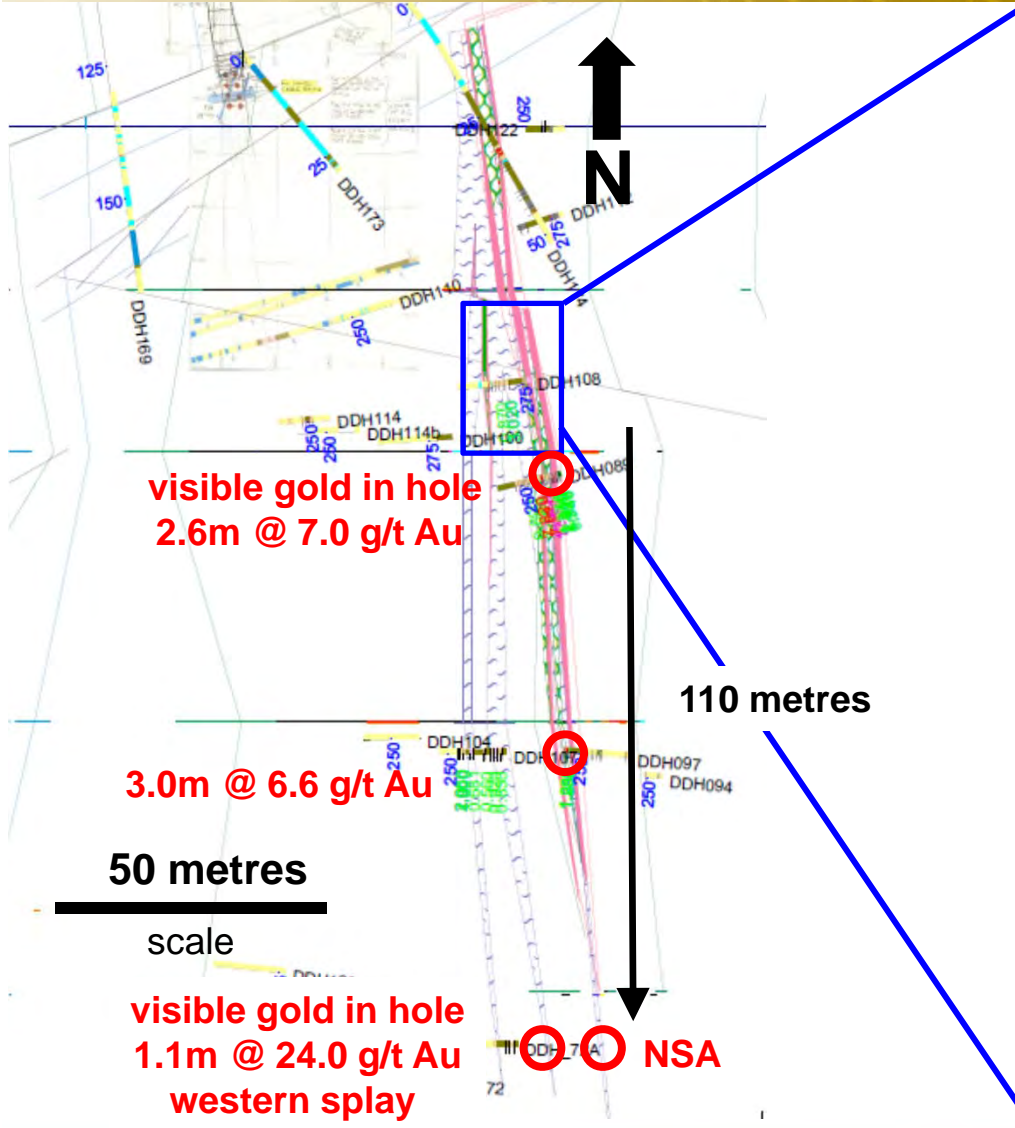
Eaglehawk Reef: Long-Section

Alliance South Mining



Alliance South: Long-Section

1100 Level Plan



Interpreted from drilling

Mapped during mining

Photo 1



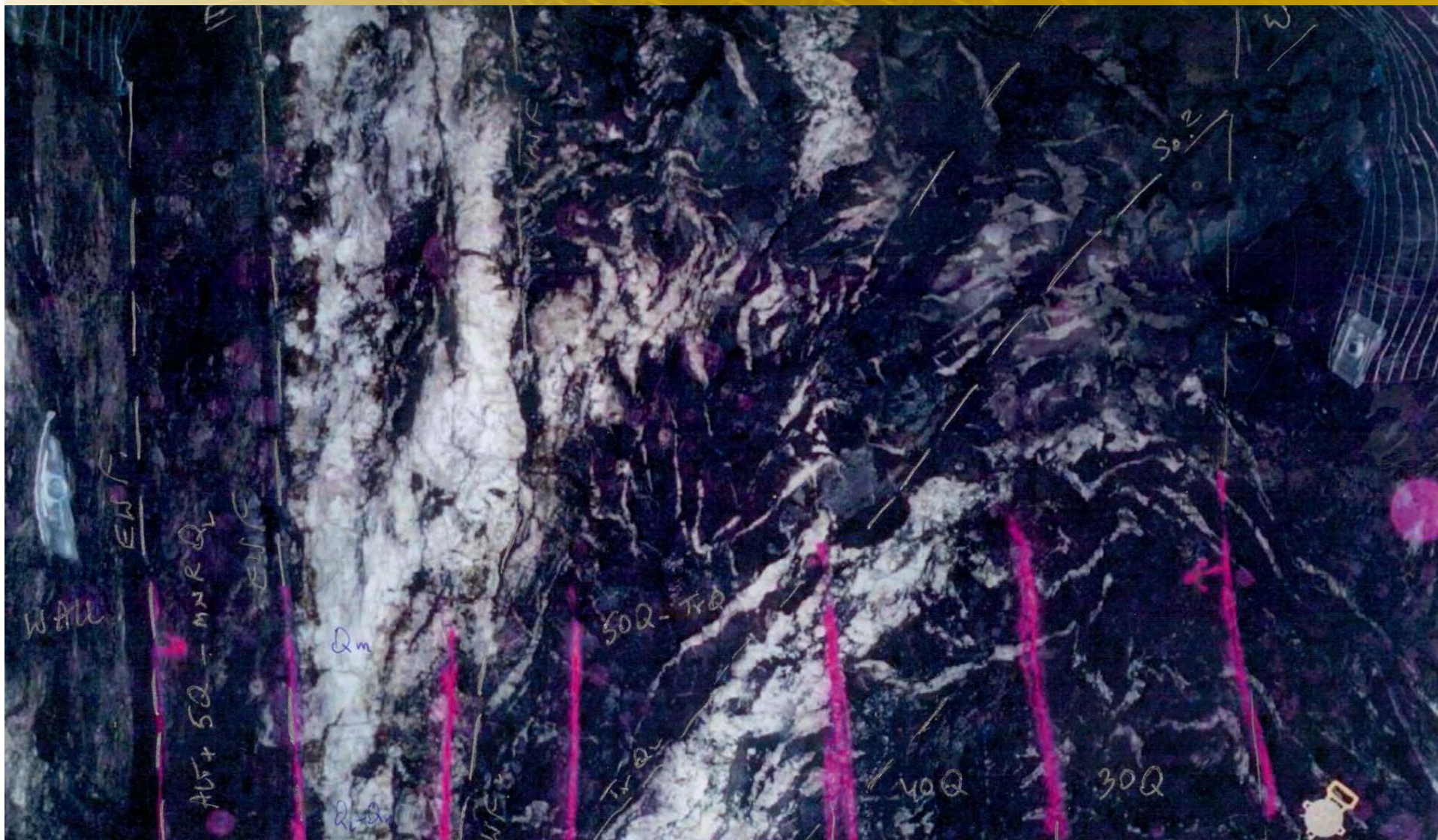
view south

Photo 2



view south

Photo 3

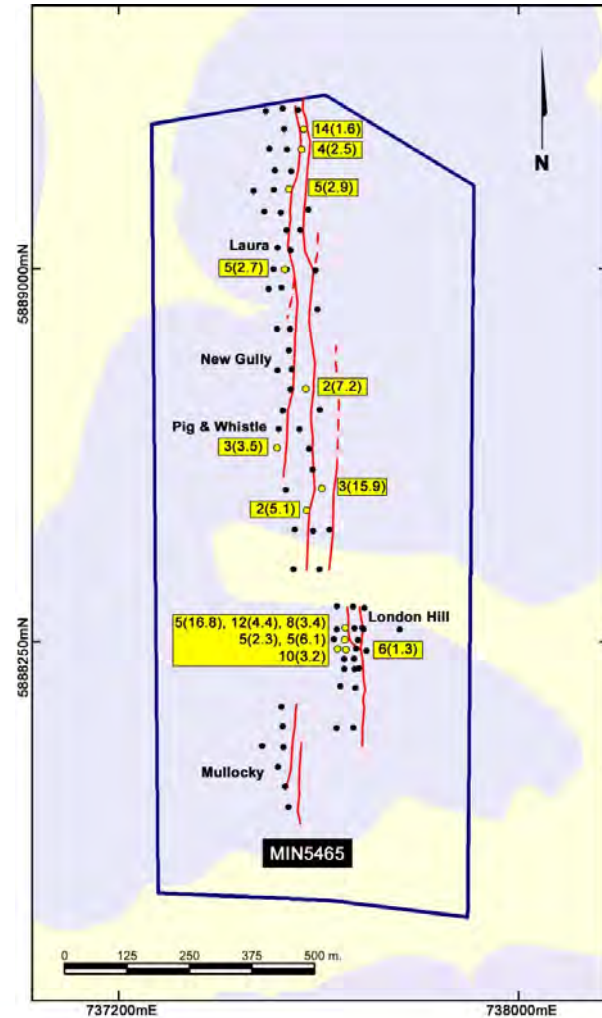


view south

PEARL CROYDON DEPOSIT - AMHERST

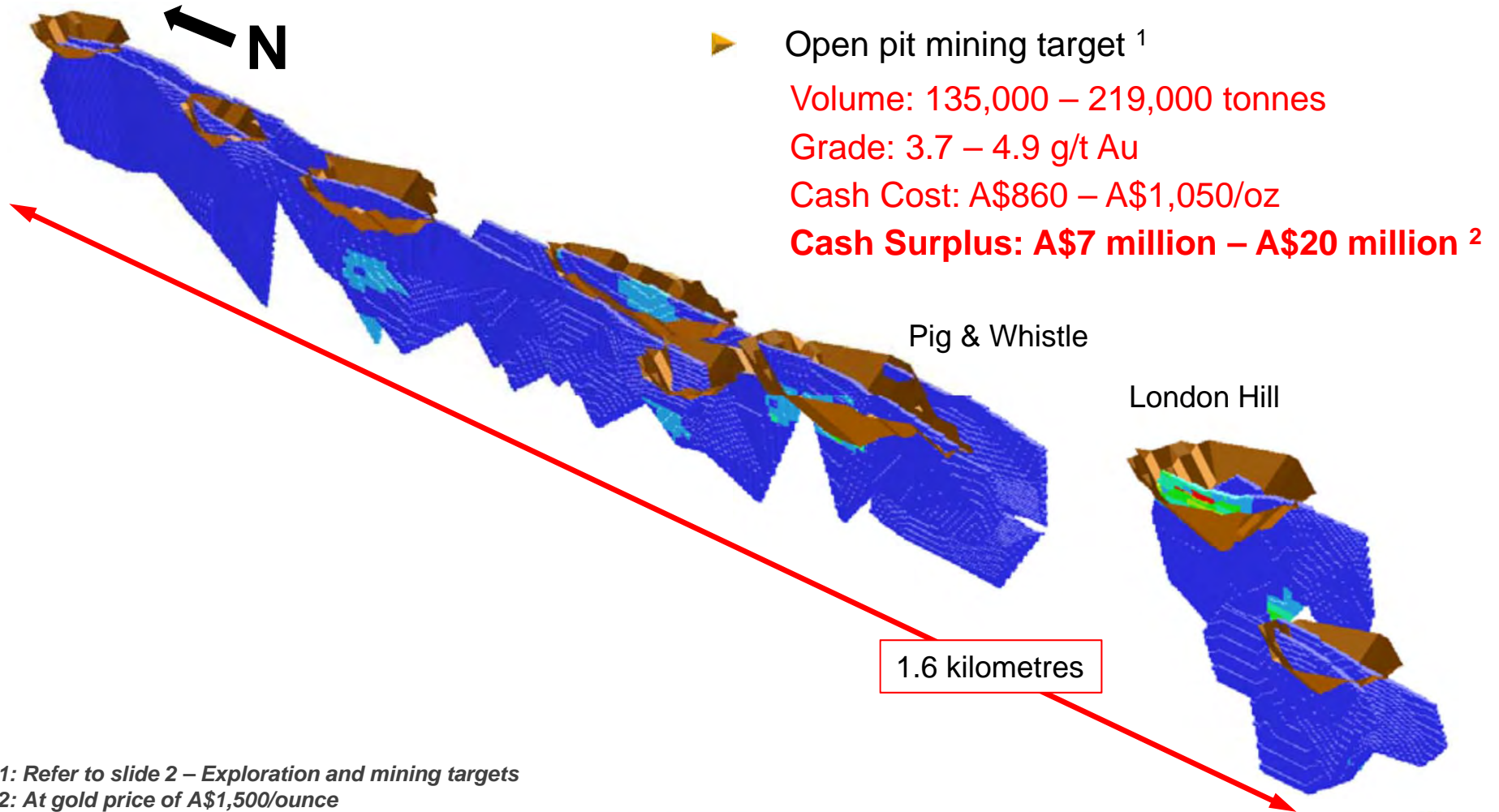
Inferred Resource: 570,000 tonnes
grading 2.9 g/t Au for 53,000 ounces¹

- ▶ 40 kilometres from Maldon
- ▶ 1,600 metre line of reef
- ▶ Broad spaced drilling
- ▶ Granted mining licence
- ▶ Significant results:
 - 2m @ 7.2 g/t Au
 - 3m @ 15.9 g/t Au
 - 5m @ 16.8 g/t Au
 - 5m @ 6.1 g/t Au
 - 10m @ 3.2 g/t Au



1: Refer to slide 43 – JORC Resource Inventory

Open Pit Optimisation Study Results

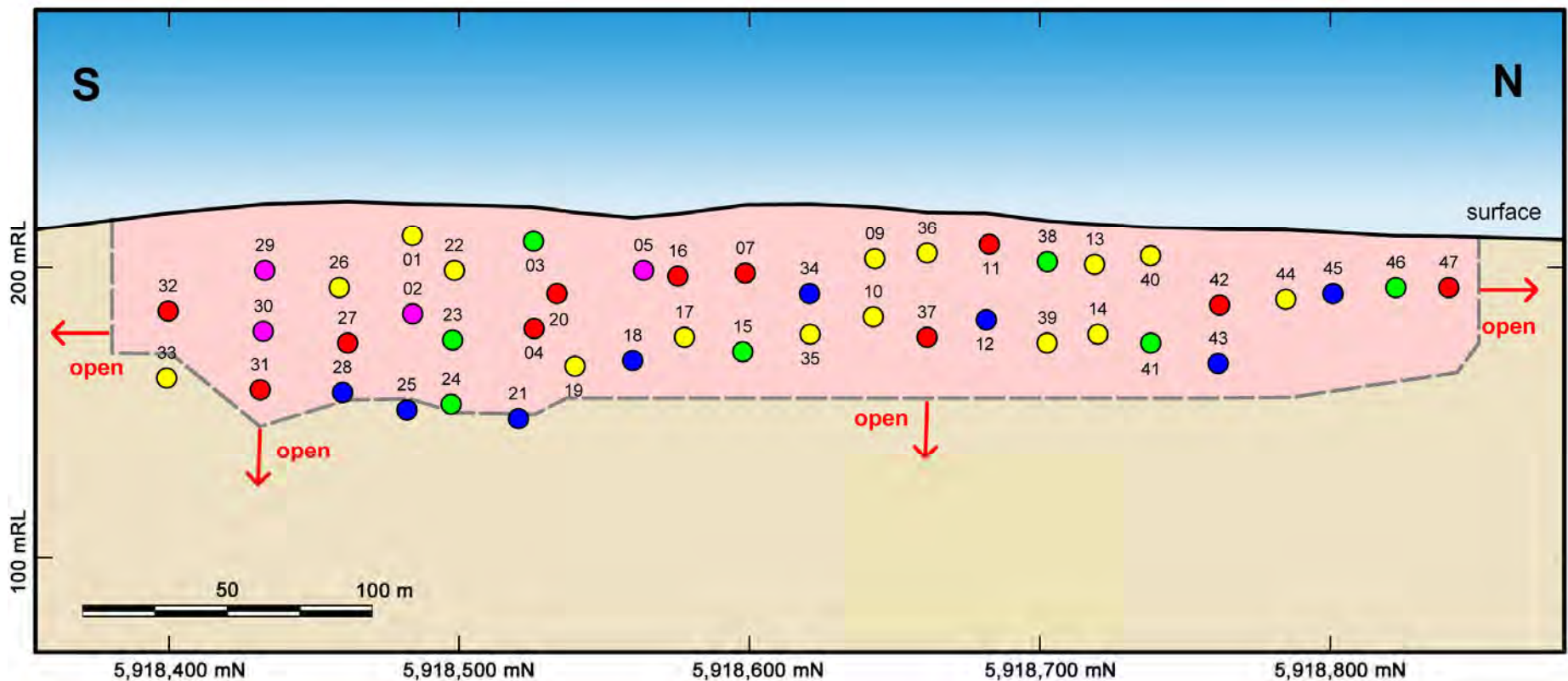


Specimen Reef - Open Pit

SPECIMEN REEF - DUNOLLY EAST

- ▶ 30 kilometres from Maldon
- ▶ Greater than 1km line of reef

Inferred Resource: 114,000 tonnes
grading 2.9 g/t Au for 10,500 ounces¹



Specimen Reef: Long-Section

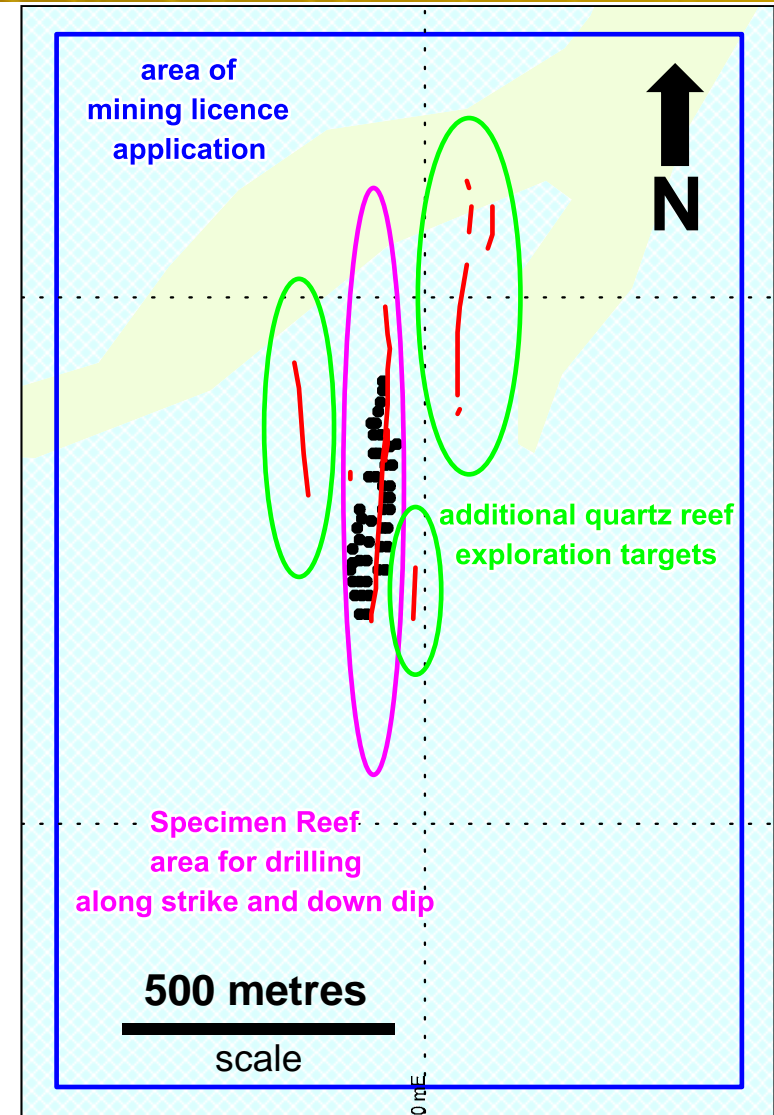
1: Refer to slide 43 – JORC Resource Inventory

Specimen Reef - Exploration

- ▶ Mining licence application **lodged**
- ▶ **Negotiating** Native Title agreement
- ▶ Open pit optimisation study **commenced**
- ▶ **Significant potential to increase resource**



RC Drilling at Specimen Reef



Plan with Exploration Targets

Black Reef - Stage 1 Open Pit



view north

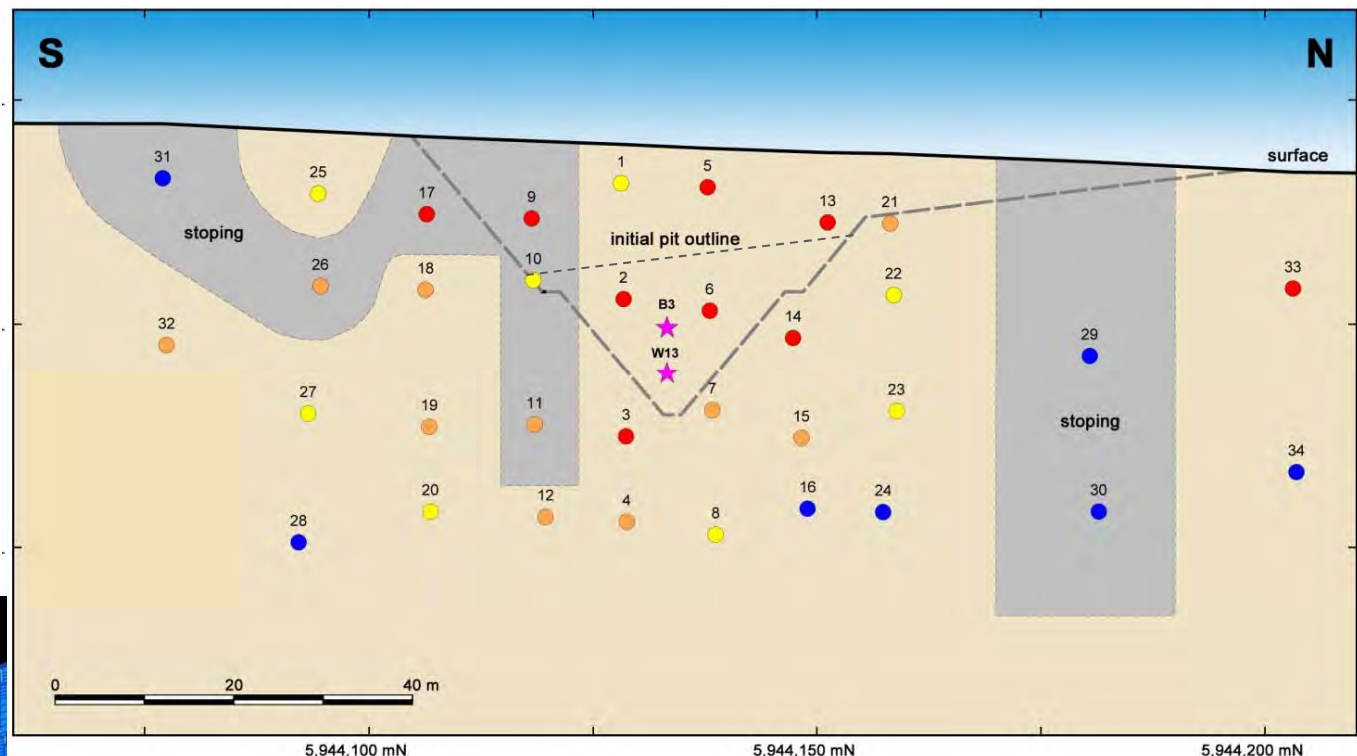
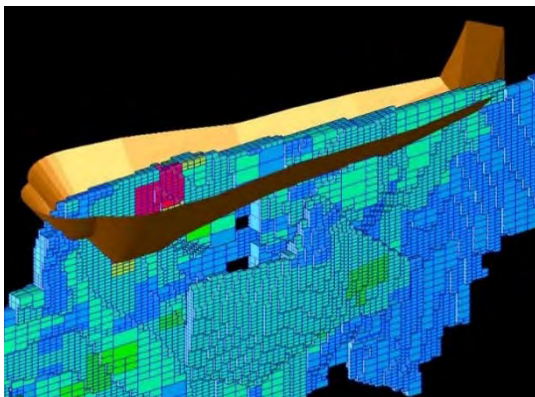
Black Reef - Stage 1 Open Pit



Stage 1 open pit mined to 15 metres depth

Significant drill results:

- B3: 5m @ 35.4 g/t Au
- W13: 5m @ 14.9 g/t Au
- BRRC02: 5m @ 2.4 g/t Au
- BRRC03: 7m @ 2.2 g/t Au
- BRRC09: 2m @ 4.5 g/t Au
- BRRC14: 3m @ 3.4 g/t Au
- BRRC17: 1m @ 15.8 g/t Au
- BRRC33: 1m @ 7.7 g/t Au



LEGEND

- | | |
|-------------------------|--|
| Recent RC drilling | historic stoping |
| ● no significant result | — planned initial pit outline |
| ● 1 – 5 g-m Au | ★ historic high grade drilling intersections |
| ● 5 – 10 g-m Au | B3 – 5m @ 35.4 g/t Au |
| ● > 10 g-m Au | W13 – 5m @ 14.9 g/t Au |

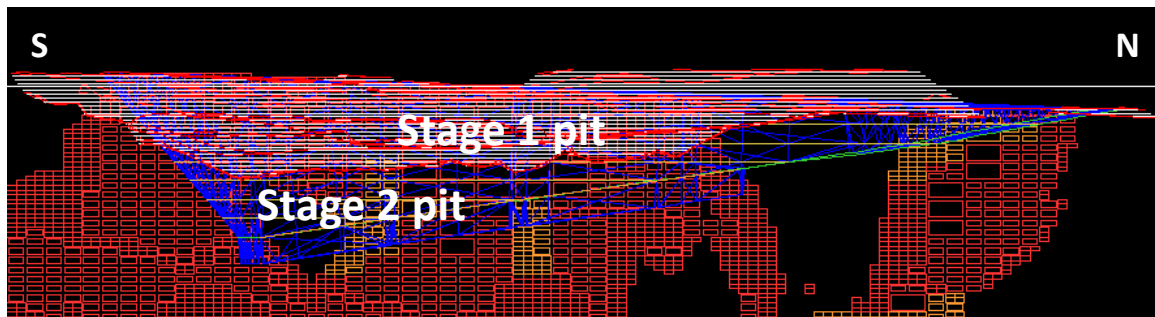
Stage 1 Design

Black Reef: Long-Section

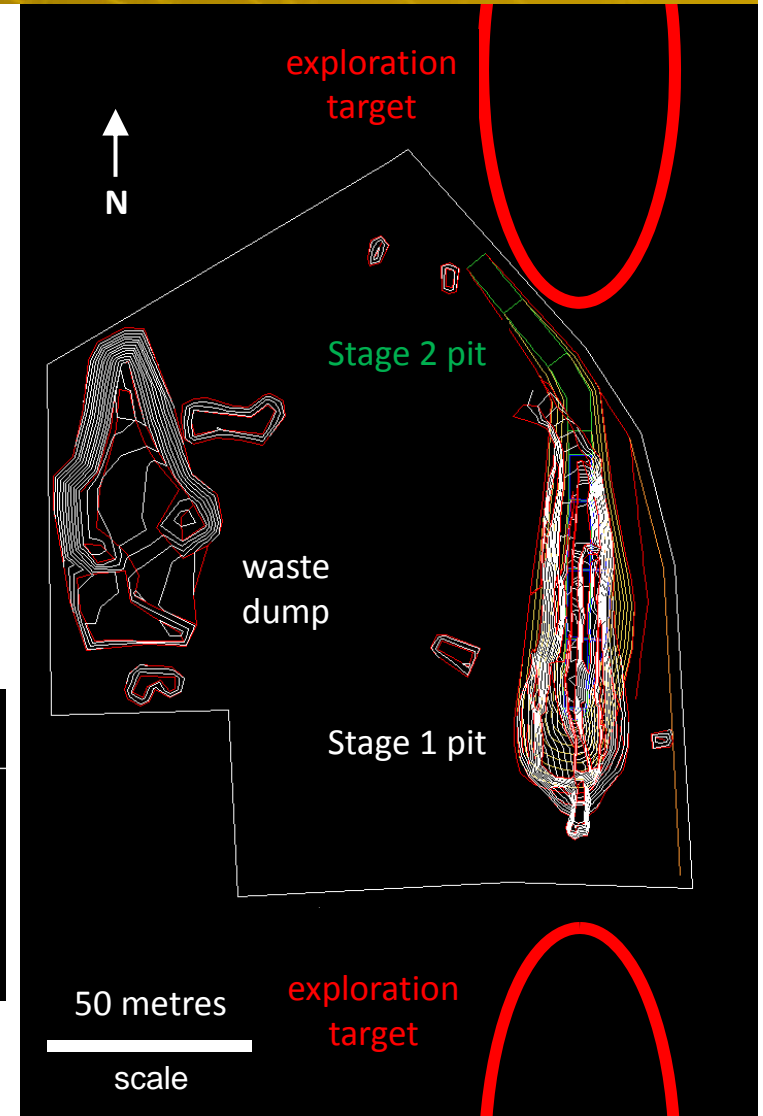


Black Reef - Stage 1 Results

- ▶ 6,800 tonnes of ore mined grading 2.1 g/t Au
- ▶ 2:1 strip ratio achieved
- ▶ Positive reconciliation with mill feed grade 2.4 g/t Au
- ▶ Improved understanding of structural controls on gold
- ▶ Two new near-mine exploration targets identified
- ▶ Geotechnical data supports re-design of Stage 2 pit
- ▶ Exploration drilling planned to increase size of Stage 2 pit



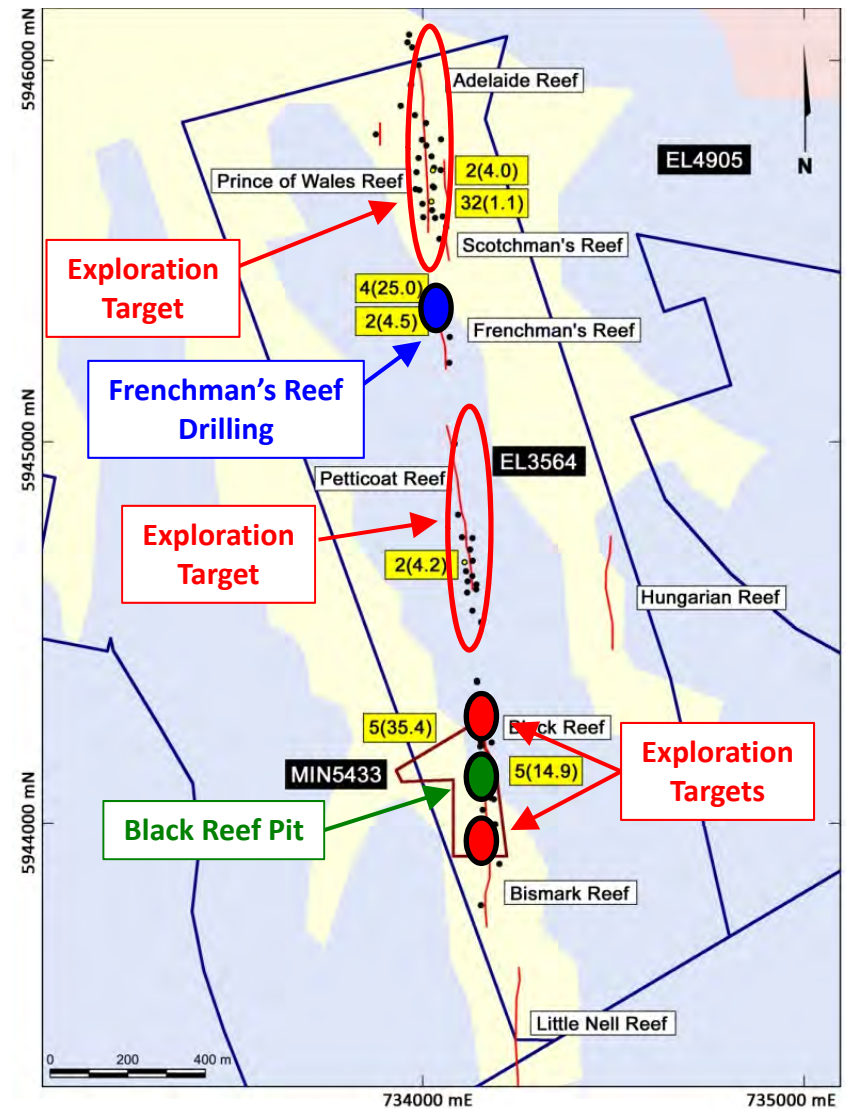
Long-Section of Stage 2 Design



Site Plan

WEHLA GOLDFIELD

- ▶ 60 kilometres from Maldon
- ▶ 2.2 kilometre line of reef
- ▶ Prince of Wales Mine produced +60,000 ounces of high-grade gold
- ▶ Shear zone hosted structural setting
- ▶ Potential for a significant gold deposit

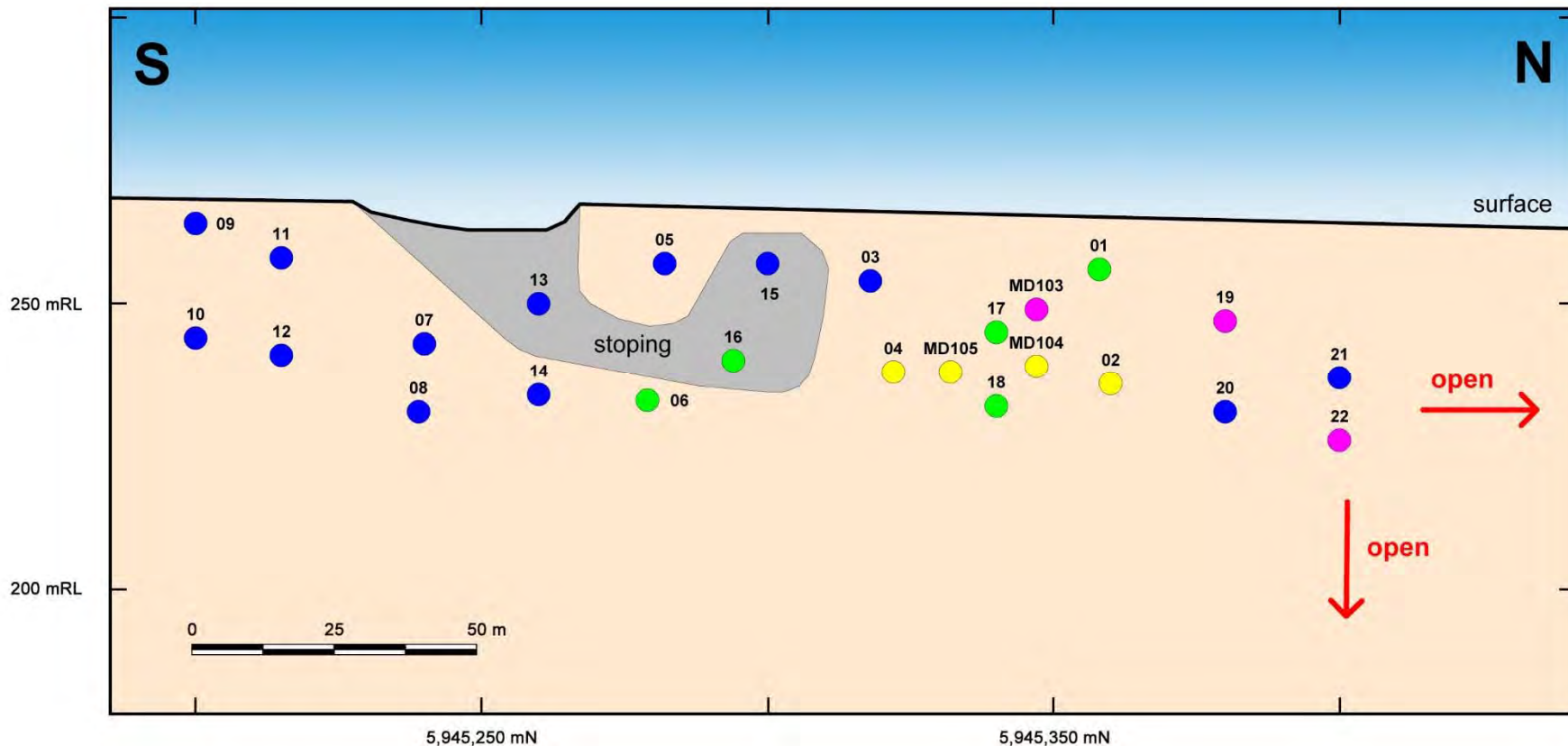


Frenchman's Reef - Wehla



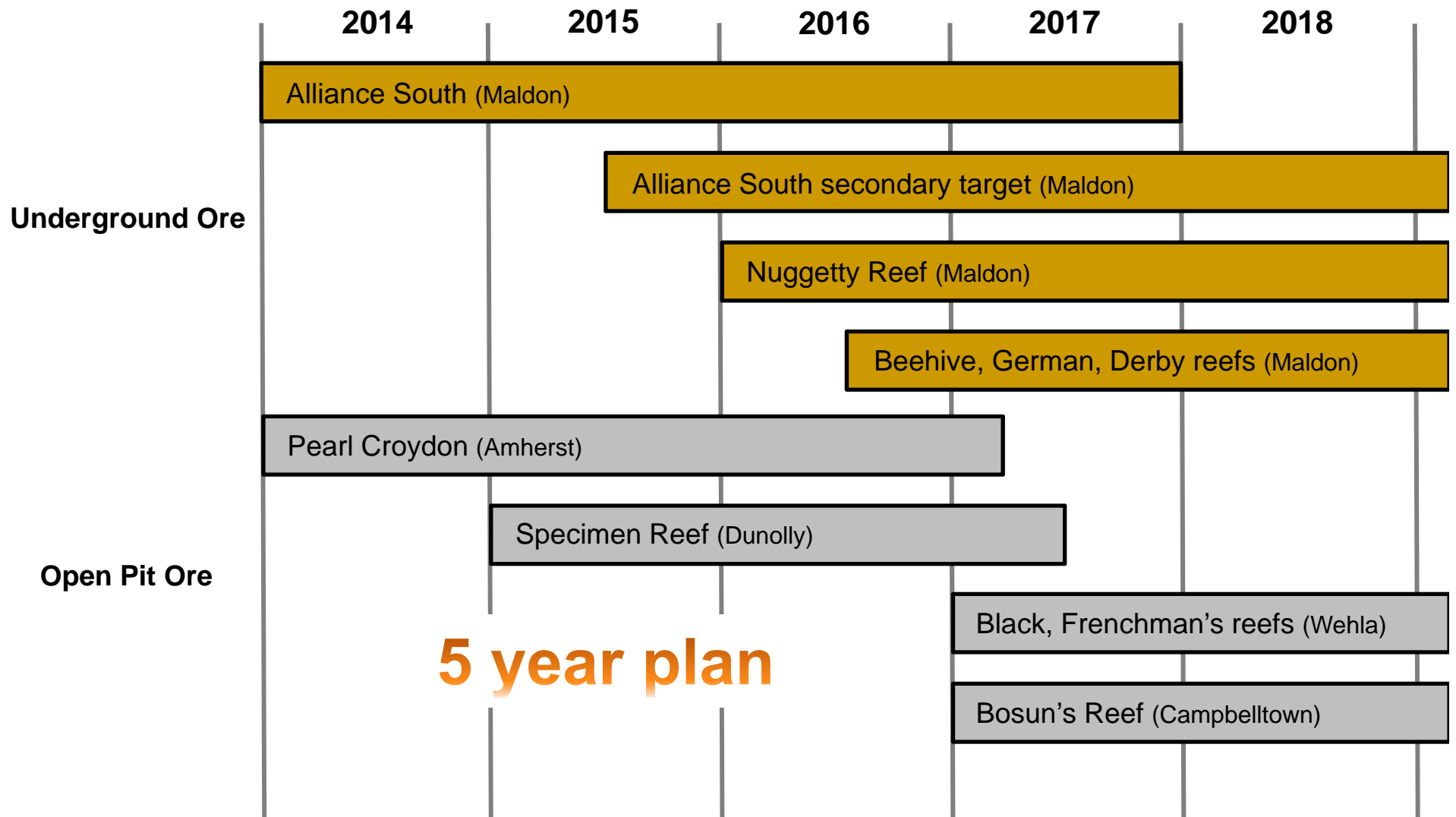
- ▶ 1 kilometre north of Black Reef
- ▶ High-grade near-surface gold
- ▶ Moderate north plunging shoot
- ▶ Open down plunge and down dip

- ▶ Significant results:
 - 4m @ 25.0 g/t Au from 16m in MD103
 - 6m @ 24.3 g/t Au from 18m in FRRC19
 - 1m @ 20.0 g/t Au from 44m in FRRC22



Frenchman's Reef: Long-Section

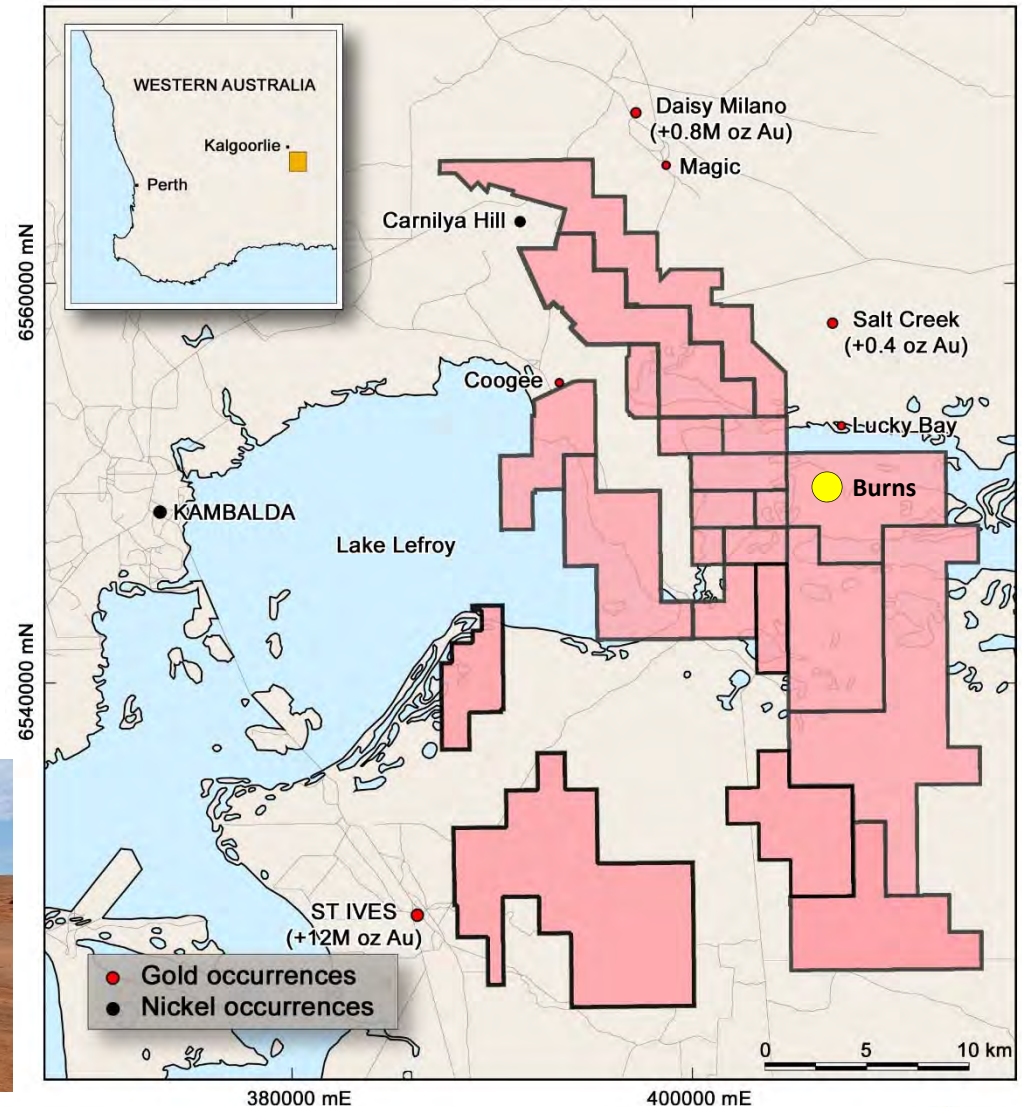
Ore Sources & Project Pipeline



Hogan's Project - WA

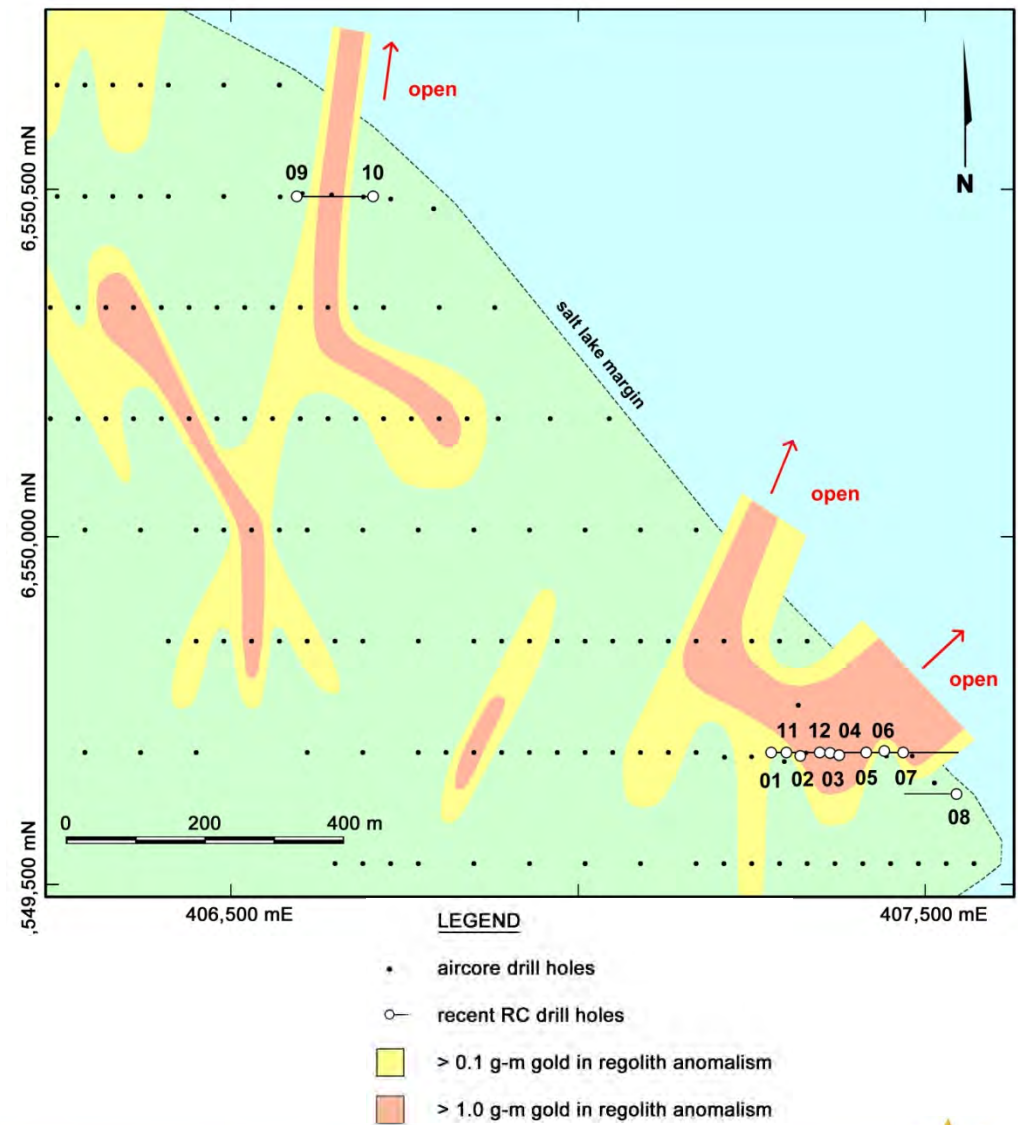


- ▶ Emerging gold producing district
- ▶ Surrounded by:
 - + 12 million oz St Ives Goldfield,
 - + 0.8 million oz Daisy Milano Mine,
 - + 0.4 million oz Salt Creek Mine
- ▶ Historic exploration:
 - 1,115 aircore holes
 - 44 RC holes
 - 1 diamond hole
- ▶ Octagonal exploration:
 - 957 aircore holes for 43,000 metres
 - 33 RC holes for 4,750 metres



Burns Prospect

- ▶ Discovery May 2011
160 metre by 640 metre spaced drilling
23 metres @ 0.5 g/t Au from 18 metres
- ▶ 272 aircore holes for 16,341 metres
40 metre by 160 metre spaced drilling
gold in regolith anomalism defined over one square kilometre
- ▶ Anomaly unconstrained by drilling beneath salt lake
- ▶ 33 RC holes for 4,750 metres
Four 40 metre spaced traverses
significant gold, copper and silver intersected
- ▶ Unique style of mineralisation
Gold, copper, silver association
No significant quartz veining or shearing
Magnetite-biotite alteration
Sulphide poor
No “typical” pathfinder elements

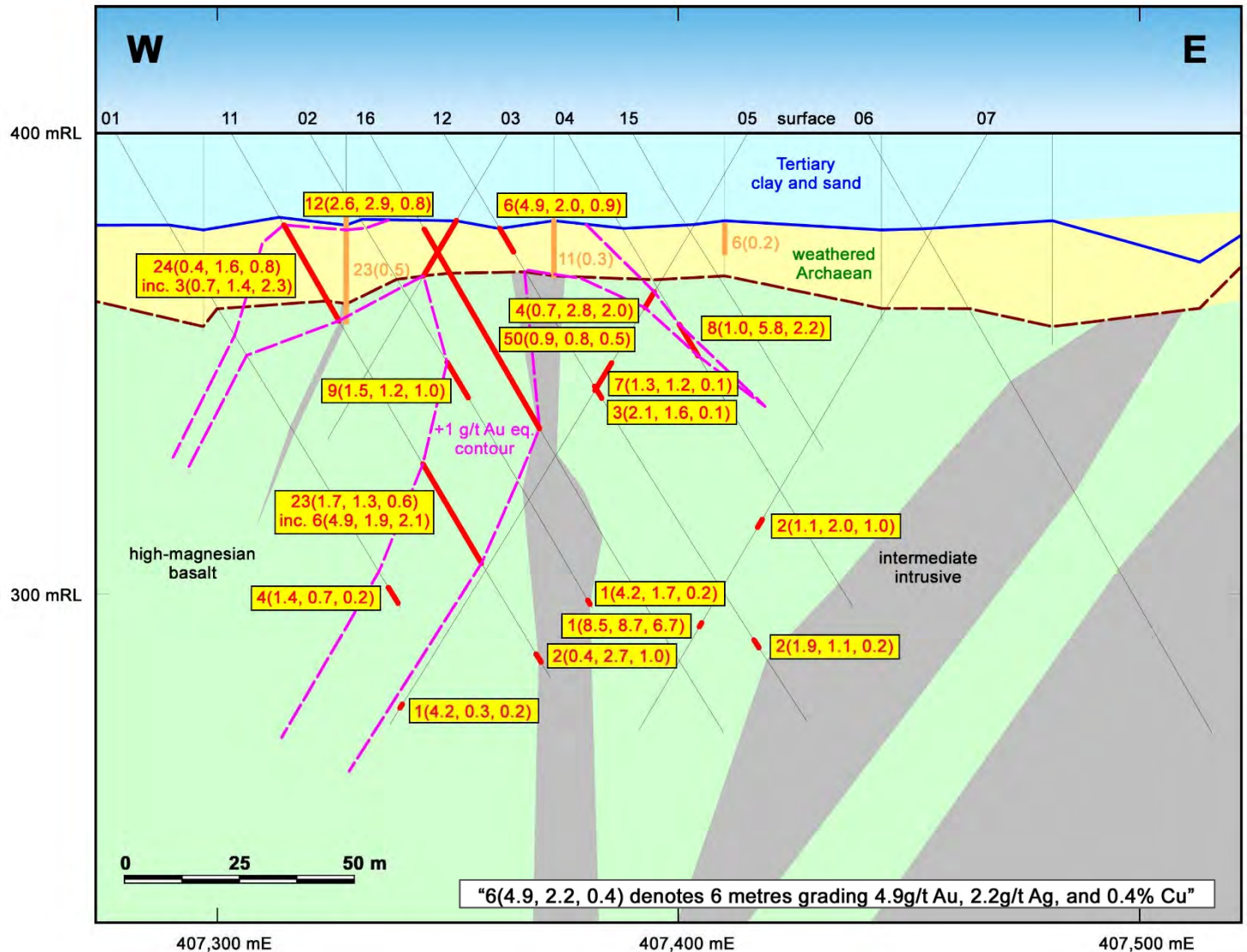


Burns Prospect



► Significant results:

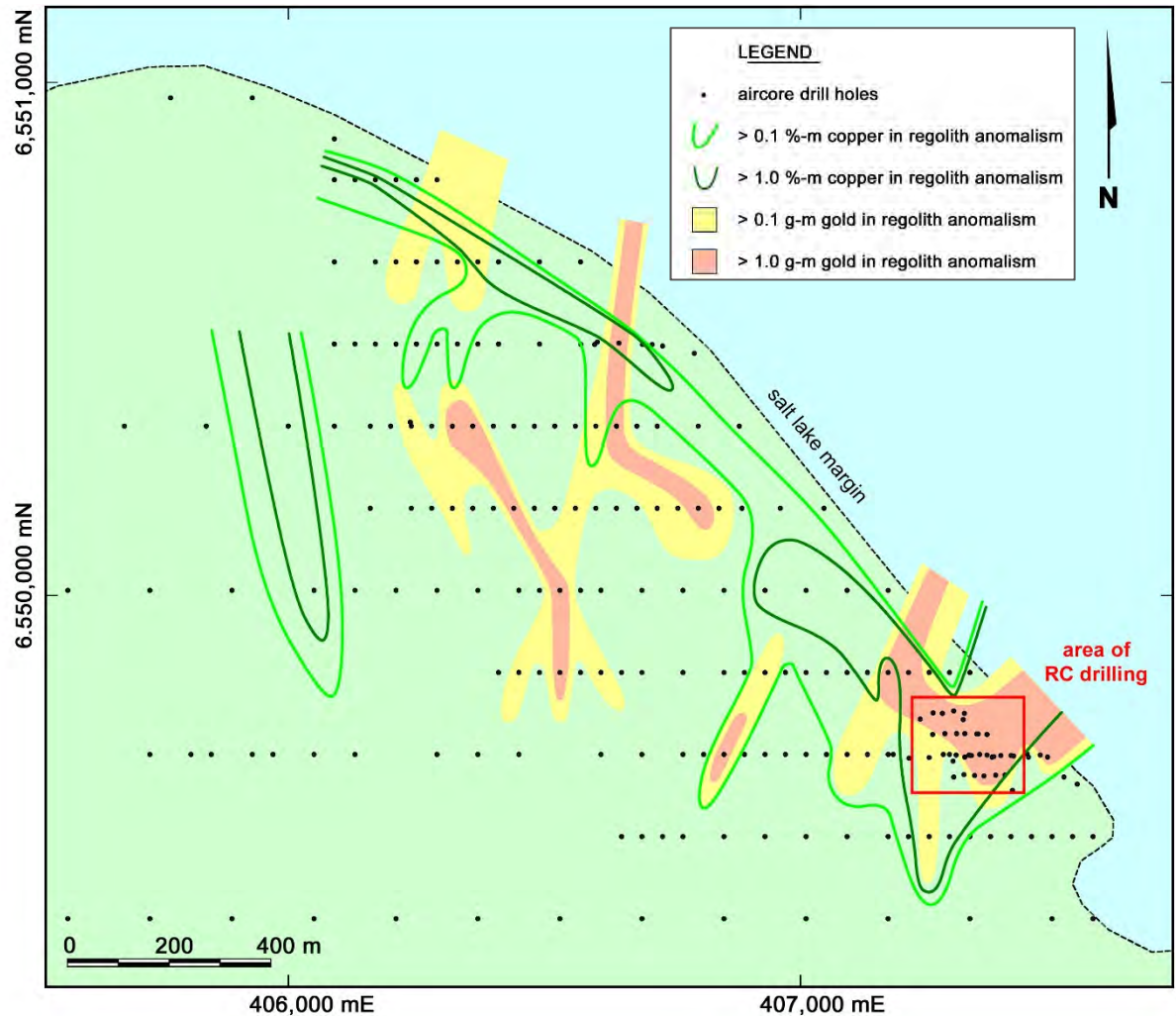
- 9 (1.5, 1.2, 1.0)
- inc. 2 (1.5, 2.7, 4.2)
- 6 (4.9, 2.2, 0.4)
- 12 (0.8, 4.5, 1.7)
- inc. 3 (2.1, 11.9, 4.8)
- 4 (0.7, 2.8, 2.0)
- 1 (8.5, 8.7, 6.7)
- 32 (1.7, 1.3, 0.6)
- inc. 6 (4.9, 2.0, 0.9)
- 50 (0.9, 0.8, 0.5)
- 12 (1.5, 0.5, 0.5)
- 19 (0.5, 3.0, 1.0)
- 9 (1.0, 1.6, 0.7)
- 3 (16.1, 4.5, 0.5)
- 9 (1.0, 3.1, 1.5)
- 12 (1.3, 2.0, 0.8)



6549690mN Cross-Section

Burns Prospect - Copper

- ▶ Analysis of aircore samples using Niton Portable Analyser
- ▶ Thick zones of copper anomalism extending over 2km
- ▶ Significant results:
 - 12m @ 1.5% Cu
 - inc. 4m @ 3.1% Cu
 - 21m @ 0.5% Cu
 - 11m @ 0.5% Cu
 - 14m @ 0.4% Cu
 - 8m @ 0.6% Cu
- ▶ Second copper anomaly extends over 700 metres
- ▶ QAQC indicates Niton Analyser underestimated grade by 15%



Summary - Value Proposition



Company – structure and experience

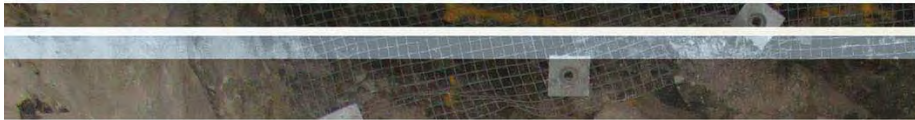
- ▶ 106 m shares on issue, \$2.2 m cash (30 June 2013) (no options)
- ▶ Enterprise Value: \$8.0 m @ 9.6c
- ▶ Tight shareholding (top 20 shareholders own 65.8% of Company)
- ▶ Experienced board and management

Victoria – cash flow

- ▶ +\$35 m sunk capital in 150,000 tpa CIL gold processing plant and 2 kilometre decline to underground resource (182,000 oz) ¹
- ▶ JORC-compliant Inferred Resources totalling 245,000 oz of gold ¹
- ▶ Underground and open pit mining
- ▶ Targeting 30,000 oz pa low cost high grade gold production
- ▶ Strong project pipeline

Western Australia – growth

- ▶ Targeting plus million ounce gold deposits
- ▶ Emerging gold producing district near existing mining infrastructure
- ▶ Burns Prospect: Potential for large gold-copper deposit



Thank you

Photo: Diamond Drilling at Maldon

Suite 3, 51-55 City Road,
Southbank, Victoria, 3006

T +61 3 9697 9088
F +61 3 9697 9089

E info@octagonalresources.com.au
www.octagonalresources.com.au

ABN 38 147 300 418

Presentation Appendix



JORC RESOURCE INVENTORY

Alliance South Mineral Resource Estimate (October 2009)										
Deposit	Location	Estimated Gold Resource and Category								
		Measured			Indicated			Inferred		
		'000t	Au g/t	'000oz	'000t	Au g/t	'000oz	'000t	Au g/t	'000oz
Alliance South	West Zone							287	12	110
	East Zone							186	12	72
Total								473	12	182

Pearl Croydon Mineral Resource Estimate (July 2010)					
Deposit	Reef	Resource Category	Tonnes	Gold Grade (g/t)	Gold (ounces)
Pearl Croydon North	West Reef	Inferred	142,444	2.3	10,702
	Central Reef	Inferred	293,010	2.4	22,812
	East Reef	Inferred	20,072	4.6	2,949
	Sub Total	Inferred	455,526	2.5	36,463
London Hill	Main Reef	Inferred	49,612	4.4	6,957
	Hanging wall Reef	Inferred	27,515	4.1	3,665
	Sub Total	Inferred	77,128	4.3	10,622
Mullocky	West Reef	Inferred	13,693	2.7	1,188
	East Reef	Inferred	24,212	6.5	5,091
	Sub Total	Inferred	37,905	5.2	6,278
TOTAL		Inferred	570,559	2.9	53,364

Specimen Reef Mineral Resource Estimate (March 2012)						
Deposit	Estimated Gold Resource and Category					
	Indicated			Inferred		
	Tonnes	Au g/t	'000oz	Tonnes	Au g/t	Ounces
Specimen Reef				114,000	2.9	10,480
Total				114,000	2.9	10,480