

15 MAY 2013

No. of Pages: 33

ASX CODE: ORS

Market Cap.: \$12.7m (\$0.12 p/s)

Shares on issue: 106,048,002

Cash: \$2.4m (31 March 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%

PRINCIPAL OFFICE

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COMPANY PRESENTATION

Please find attached a copy of a Company presentation to be made by the MD, Mr Anthony Gray at the RIU Sydney Resources Round-up May 2013 held in Sydney, NSW 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



Octagonal
Resources Limited

ABN: 38 147 300 418

ASX Code: ORS

RIU Sydney
Resources Round-up
May 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 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.

Regular gold production since November 2012



Advanced portfolio of Victorian gold projects:

- ▶ Junior Australian gold company with a cash flow
- ▶ Targeting sustained production of ~30,000 oz pa low cost high grade gold
- ▶ 150,000 tpa CIL gold processing plant at Maldon
- ▶ JORC-compliant Inferred Resources totalling 245,000 oz of gold ¹
- ▶ 1,900 metre decline to access 182,000 oz underground resource ¹
- ▶ Re-processing Kangaroo Flat flotation concentrate tailings
- ▶ Ore processing agreement with A1 Gold Mine

Emerging Western Australian gold district:

- ▶ 520 km² landholding surrounded by +12 million oz St Ives Goldfield, +0.8 million oz Daisy Milano Mine and +0.4 million oz Salt Creek Mine
- ▶ Targeting plus million ounce gold deposits
- ▶ Significant gold and copper discovered at the Burns Prospect



Company Overview

ASX Code: ORS

ASX Listed	5 January 2011
Ordinary Shares	106.0 million
Options	0
Market Cap. (\$0.11)	\$11.7 million
Cash	\$2.4 million (31 Mar. 2013)
Debt	\$0
Range (since listing)	\$0.096 - \$0.25
Average Daily Volume	47,000 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	69.9 million	65.9
TOTAL SHARES	106,048,002	100



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 developing as owner operator
- ▶ Mine open pit at Black Reef (Wehla) to determine viability of a larger open pit operation
Regulatory approvals received → open pit mining commenced
- ▶ Define at least 250,000 tonnes of 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
Gravity survey, 43,000m of aircore drilling and 4,750m of RC drilling



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



Maldon Gold Processing Plant

- ▶ 150,000 tpa CIL gold mill
- ▶ Replacement cost +\$15 m
- ▶ Low processing costs
- ▶ No water or power issues



Union Hill Decline

- ▶ 1,900 metre long 4 metre by 4.5 metre decline
- ▶ Construction cost +\$20 m
- ▶ Completely dewatered
- ▶ Less than \$0.5 m in development costs to commence mining



Ore Sources & Project Pipeline

2013

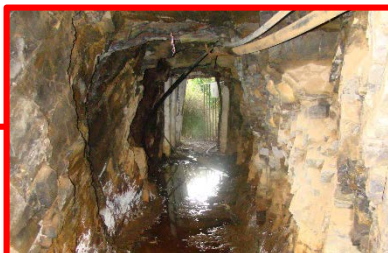
2014

2015+

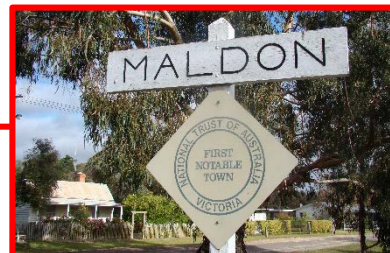
**Octagonal
Underground Ore**



Alliance South
(Maldon)



Nuggety Reef
(Maldon)



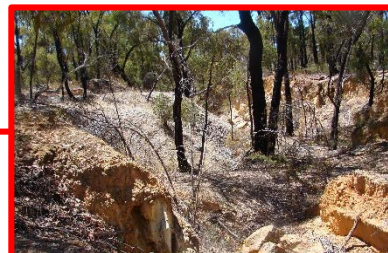
Central Maldon Shear Zone
(Maldon)

\$\$\$

**Octagonal
Open Pit Ore**



Black Reef
(Wehla)



Pearl Croydon
(Amherst)



Specimen Reef
(Dunolly)



Maldon Gold
Processing Plant
(Maldon)

**Ore Processing
Agreements**



Kangaroo Flat tailings
(Bendigo)



A1 Gold Mine
(Woods Point)

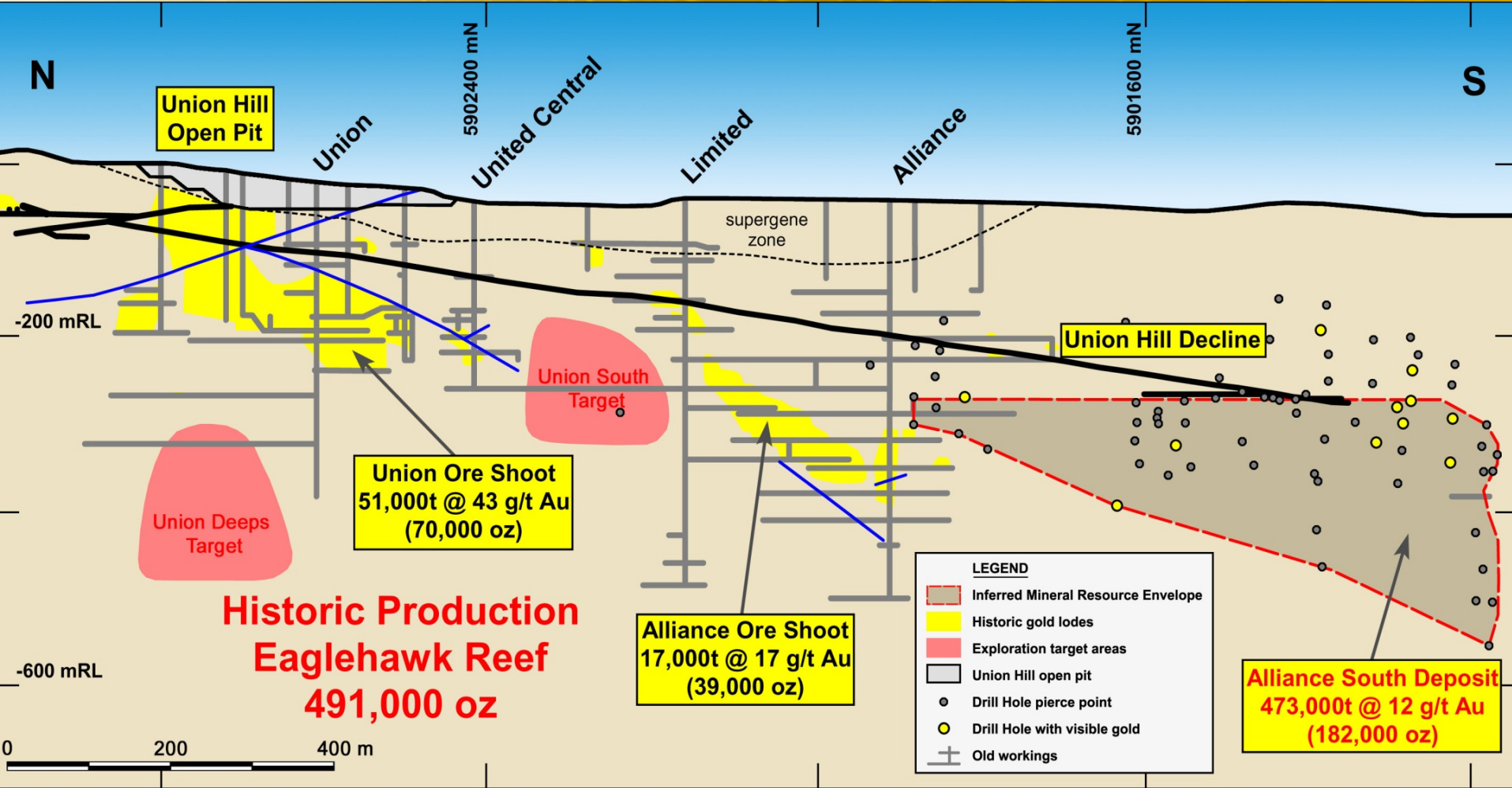
ALLIANCE SOUTH - MALDON

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

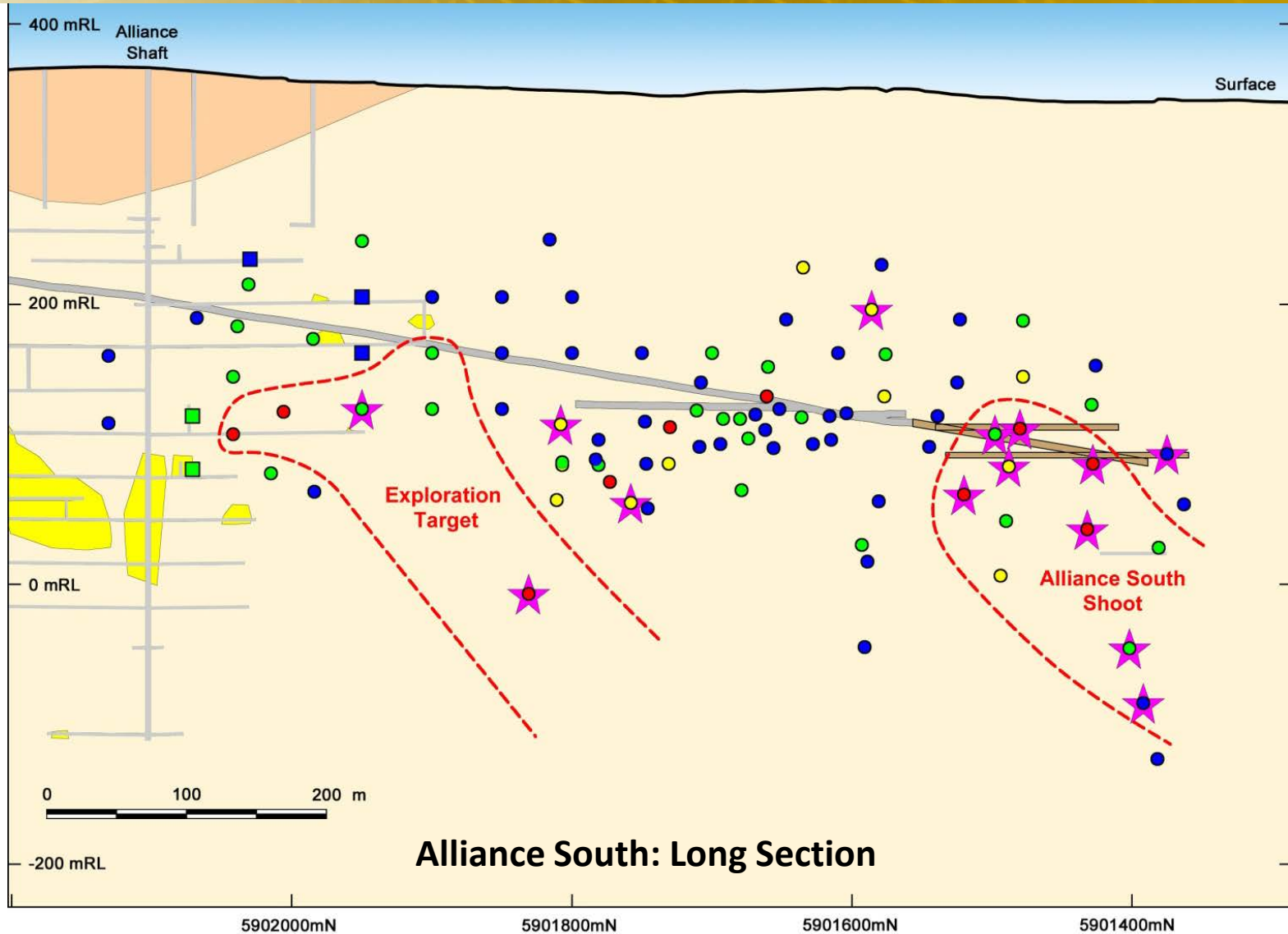


1: Refer to slide 32 – JORC Resource Inventory

Alliance South Deposit



Eaglehawk Reef: Long Section



Alliance South: Long Section

Central Maldon Shear Zone

Historic Production

1854 – 1920

1.47 million ounces

- ▶ Nuggetty Reef: 301,000 oz
- ▶ Eaglehawk Reef: 491,000 oz
- ▶ Beehive Reef: 250,000 oz
- ▶ German Reef: 277,000 oz
- ▶ Victoria & Derby Reef: 150,000 oz

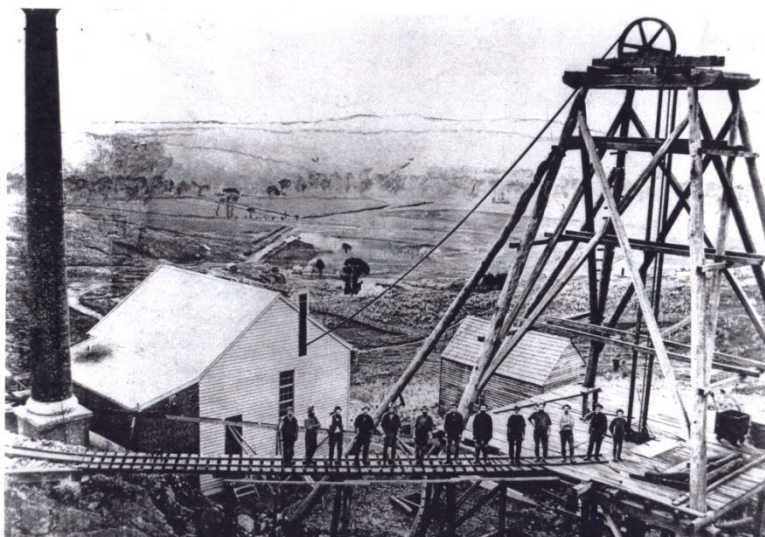
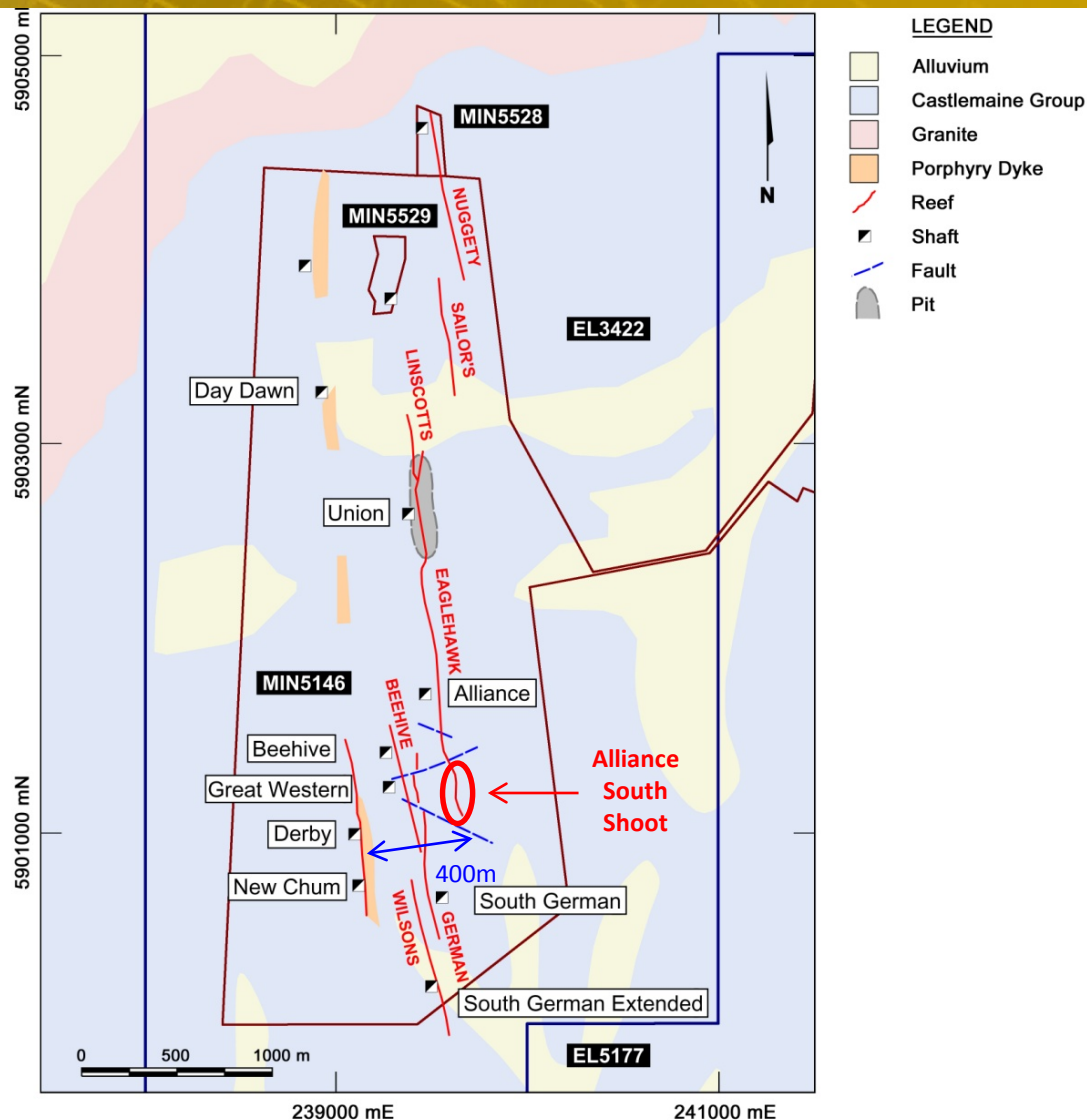


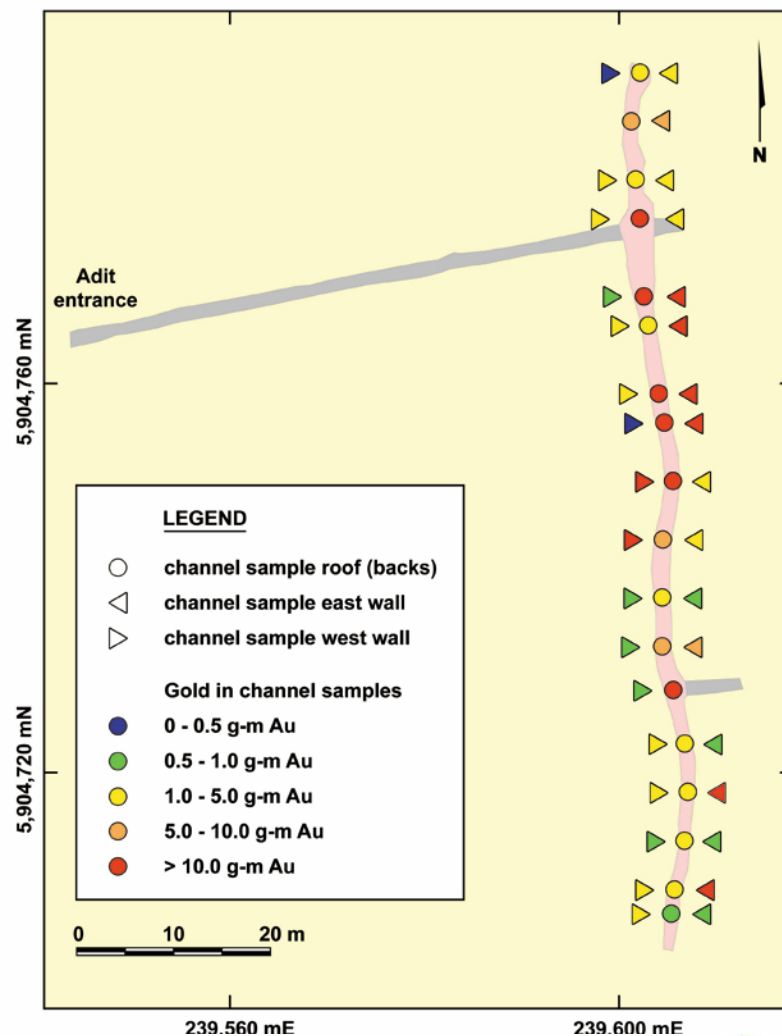
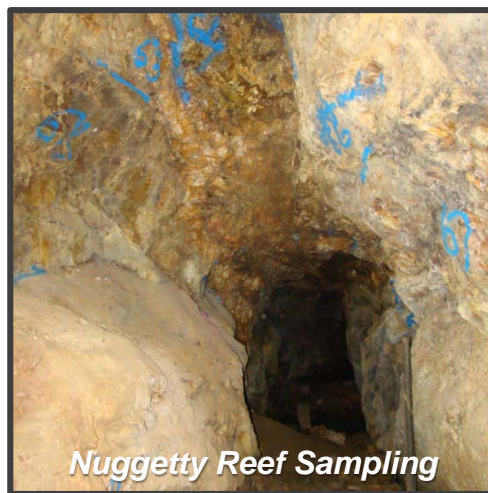
Photo: Nuggetty Alliance Shaft



Nuggetty Reef Mine

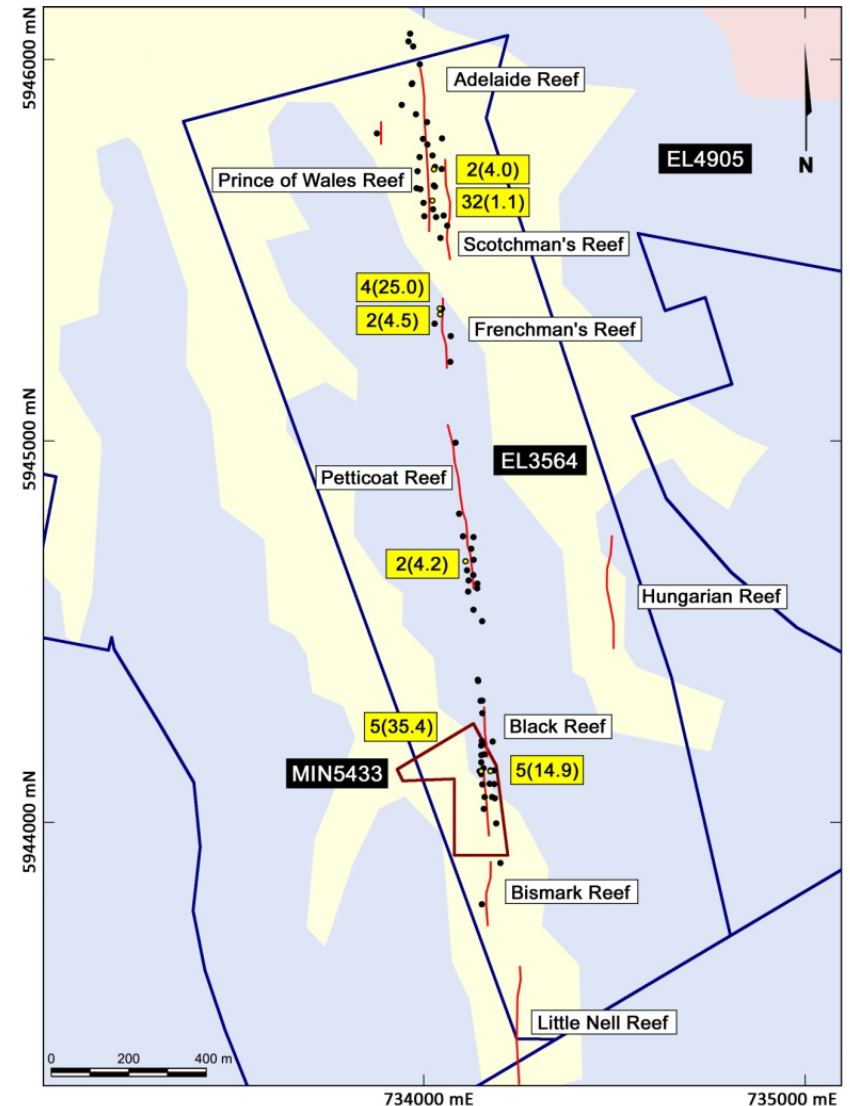
Historic Production (1856 - 1866) 50,000t @ 187g/t Au for 301,000oz Au

- ▶ 2.5 kilometres from Maldon
- ▶ Potential for significant remnant ore
- ▶ Accessed by 60 metre adit
- ▶ Channel sampling results:
 - 92m @ 4.8g/t Au roof (backs)
inc. 33m @ 8.2g/t Au (backs)
 - 92m @ 4.1g/t Au walls
inc. 20m @ 8.9g/t Au (east wall)
inc. 12m @ 11.1g/t Au (west wall)



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



Mining 30 metre deep pit on costean and drill results

Significant drill results:

B3: 5m @ 35.4 g/t Au

W13: 5m @ 14.9 g/t Au

BRRC02: 5m @ 2.4 g/t Au

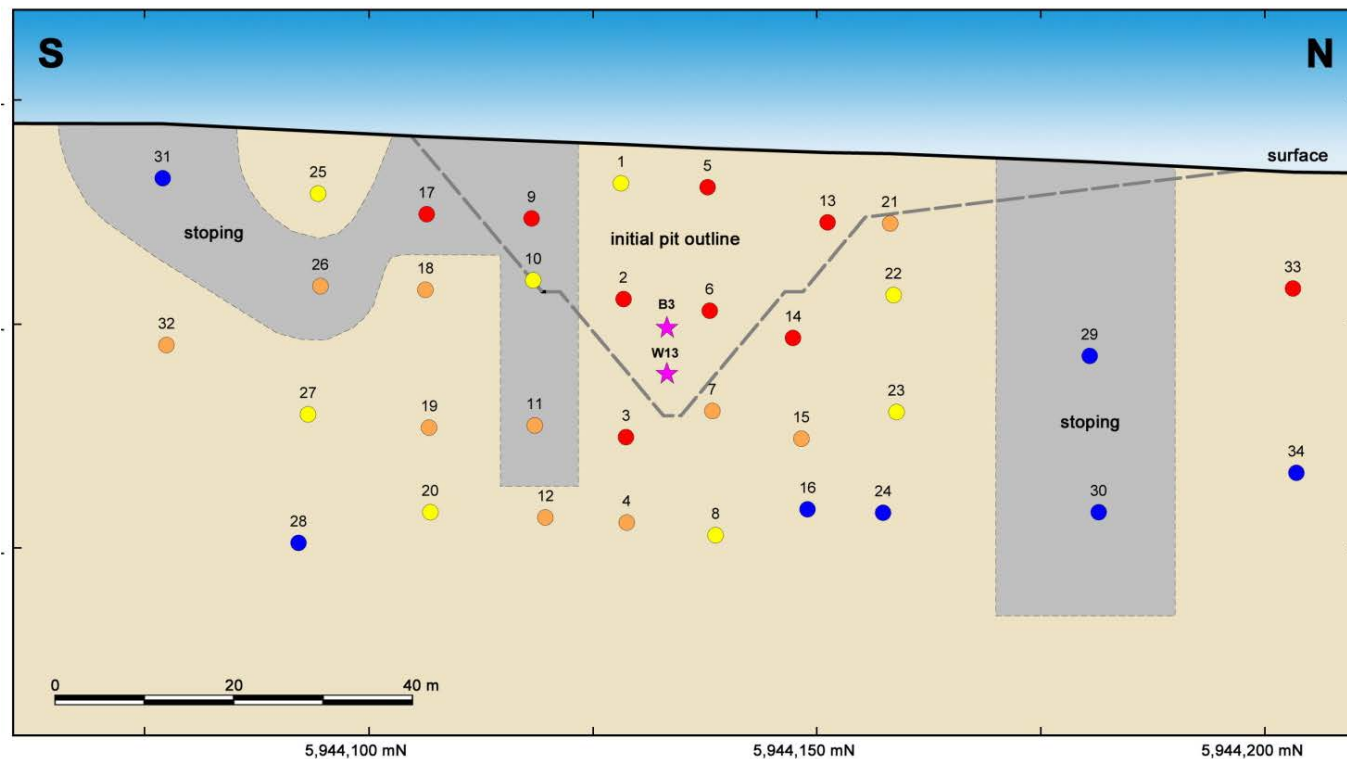
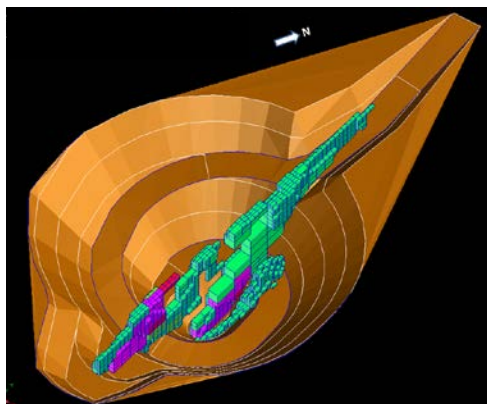
BRRC03: 7m @ 2.2 g/t Au

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 |

Black Reef - Wehla



Frenchman's Reef - Wehla

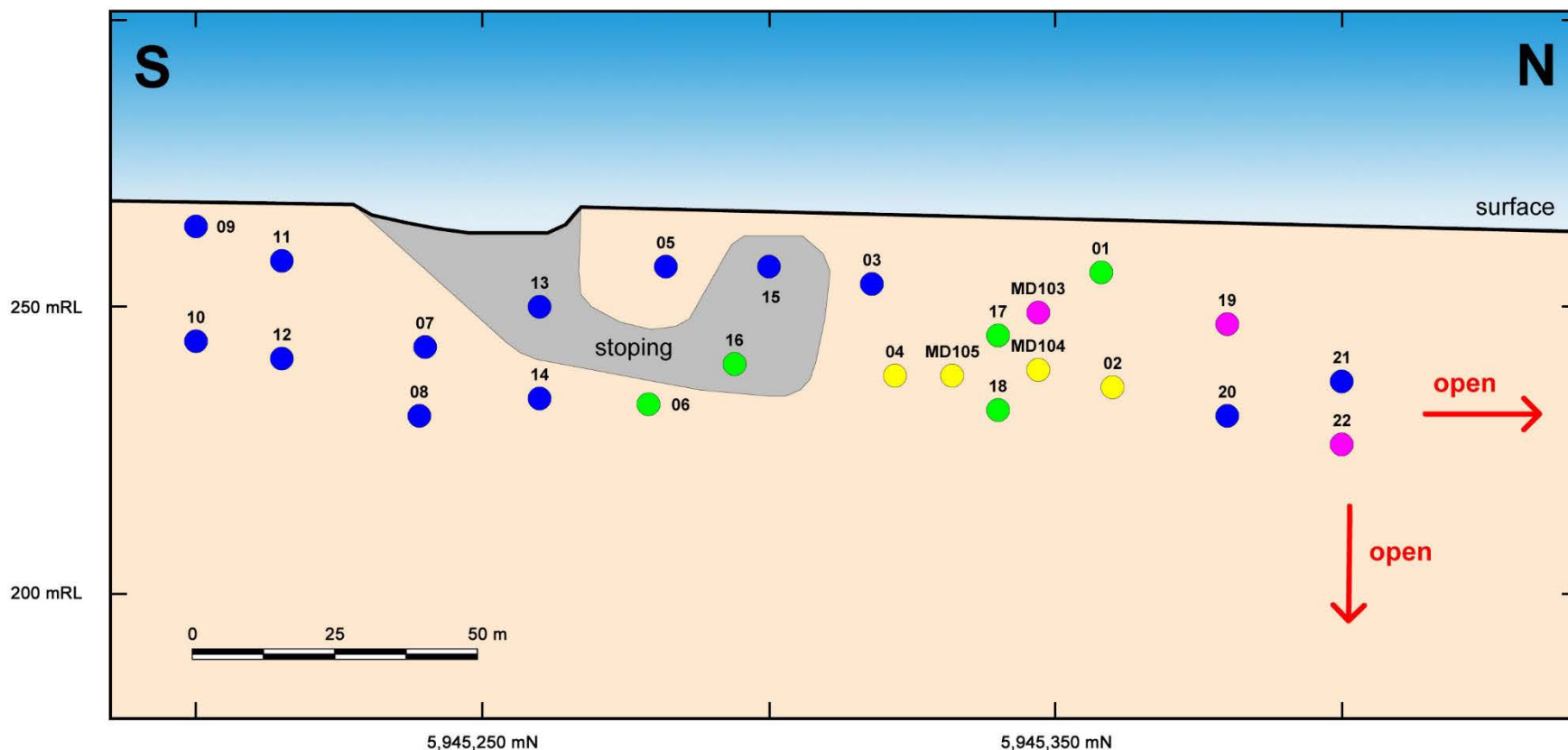
- ▶ 1 kilometre north of Black Reef
- ▶ High-grade near-surface gold
- ▶ Moderate north plunging shoot
- ▶ Open down plunge and down dip

▶ 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

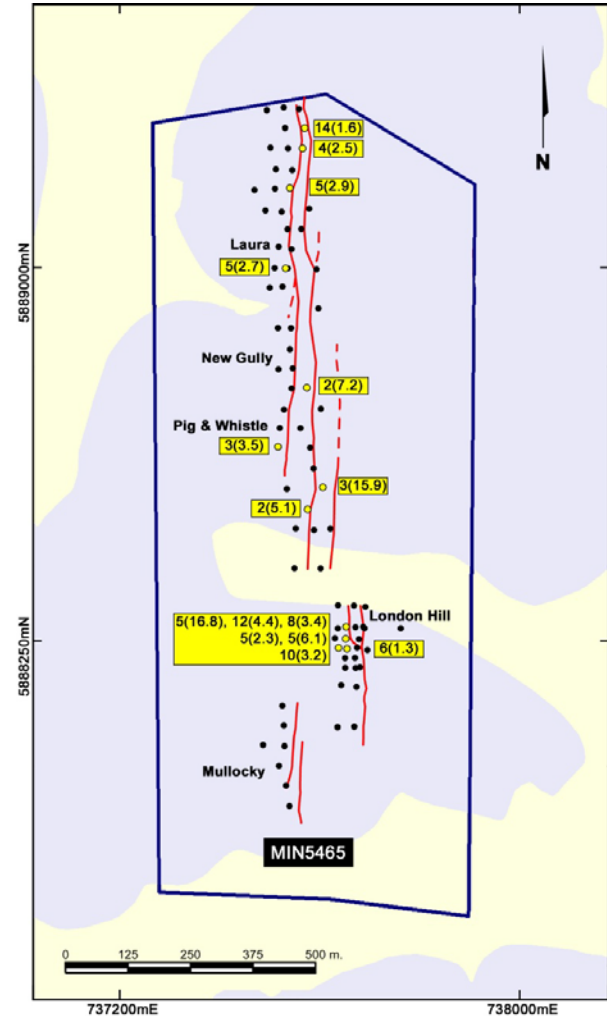


Frenchman's Reef: Long Section

PEARL CROYDON RESOURCE UPGRADE

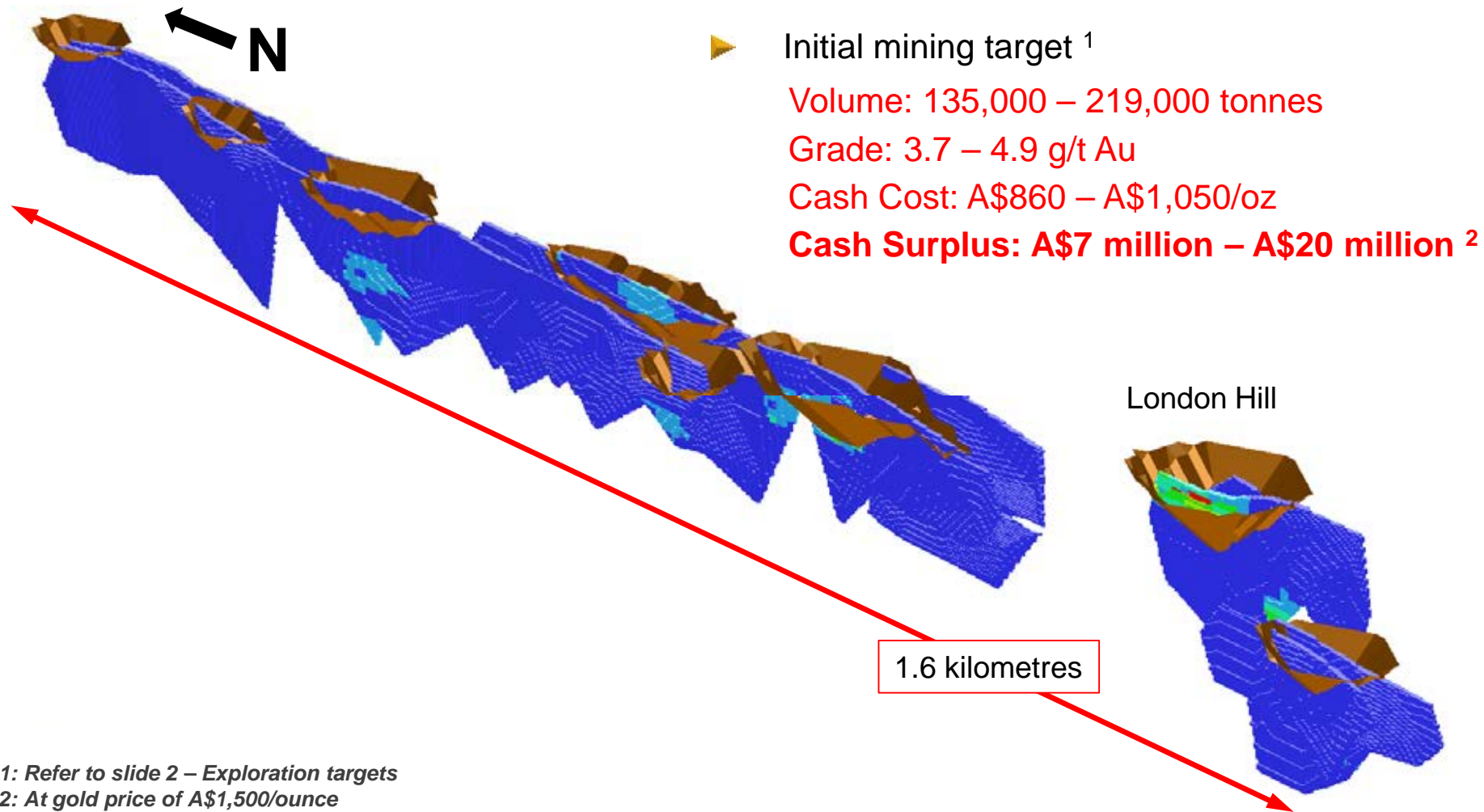
Inferred Resource: 570,000 tonnes
grading 2.9 g/t Au for 53,000 ounces¹

- ▶ 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 32 – JORC Resource Inventory

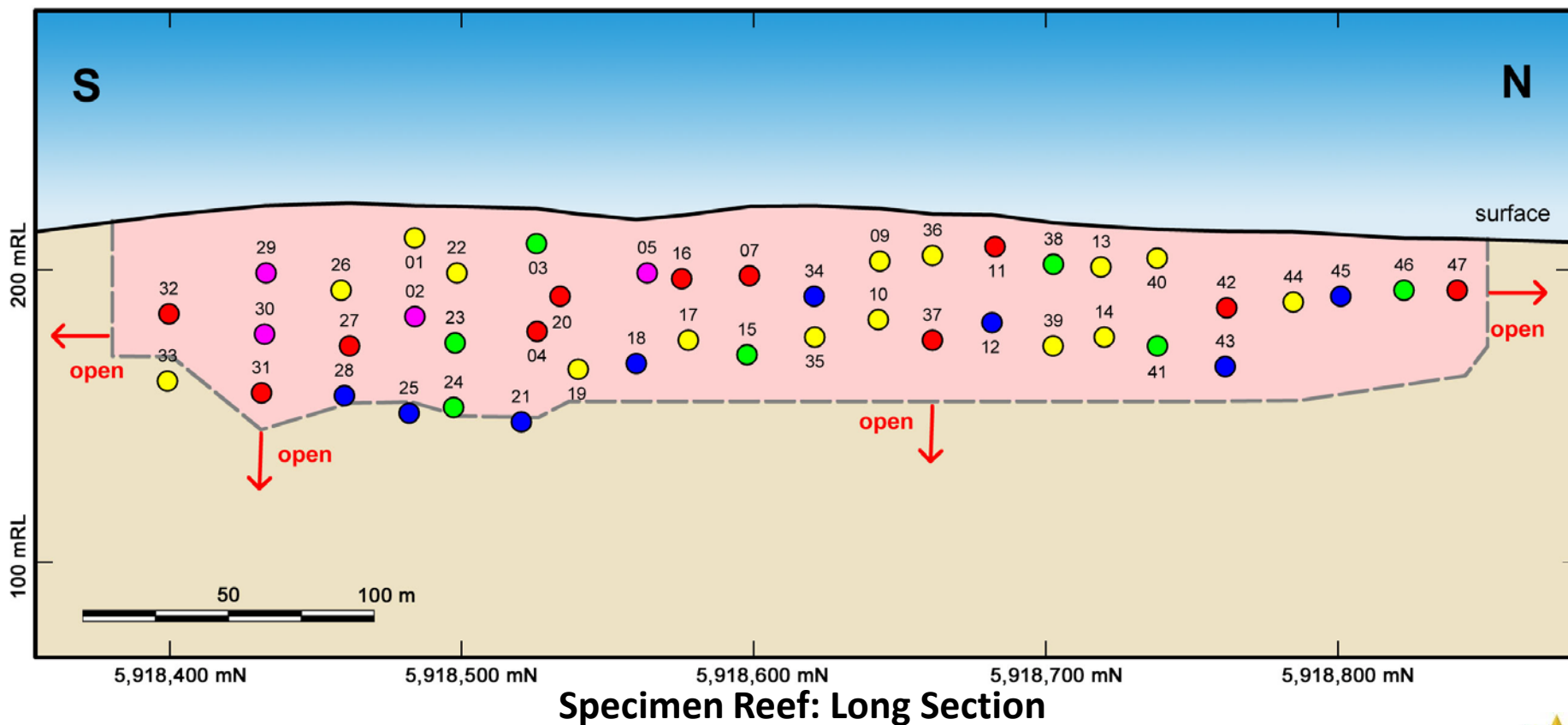
Open Pit Optimisation Study Results



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



1: Refer to slide 32 – JORC Resource Inventory

KANGAROO FLAT GOLD MINE – BENDIGO

- ▶ 25 kilometres from Maldon
- ▶ 30,000t flotation concentrate tailings

Agreement – Unity Mining Ltd (ASX: UML)

- ▶ Octagonal manage and pay for 50% of all costs
- ▶ Octagonal receive 50% of gold produced



Excavator removing Kangaroo Flat tailings

Kangaroo Flat Tailings

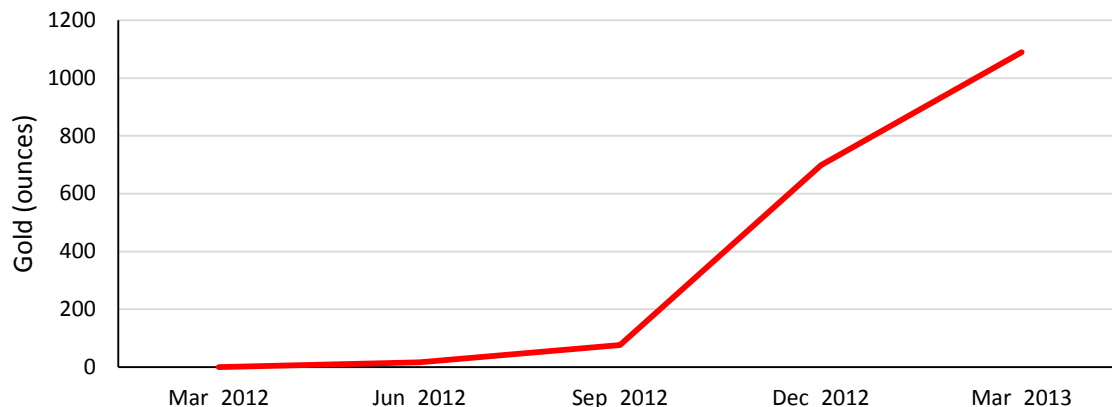
December 2012 Quarter

- ▶ 6,430 tonnes processed
- ▶ 1,398 ounces produced
- ▶ Recovered grade: 6.5 g/t Au

March 2013 Quarter

- ▶ 11,017 tonnes processed
- ▶ 2,183 ounces produced
- ▶ Recovered grade: 6.5 g/t Au

Quarterly Refined Gold Production



(gold production attributed to Octagonal)

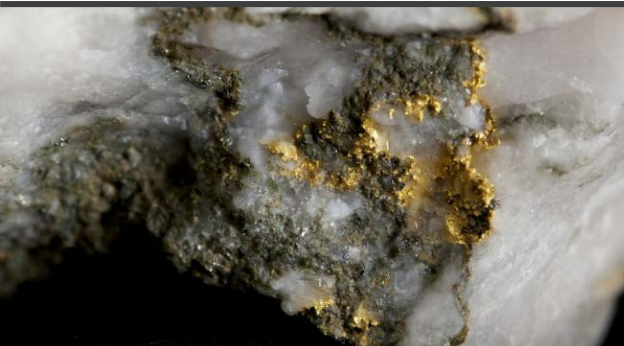
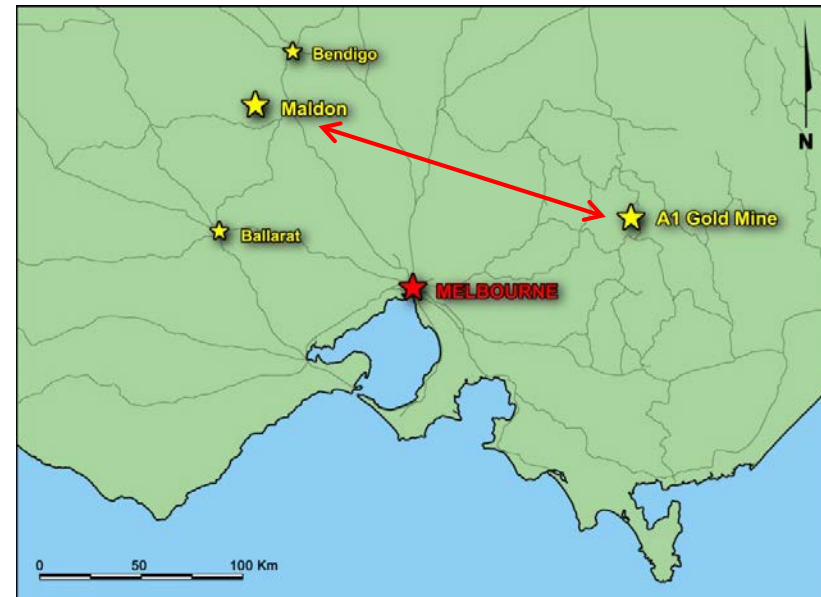


A1 GOLD MINE – WOODS POINT

- ▶ 200 kilometres from Maldon
- ▶ Historic production: 450,000 oz @ 30 g/t Au
- ▶ Quartz reef & vein stock work in mafic dykes

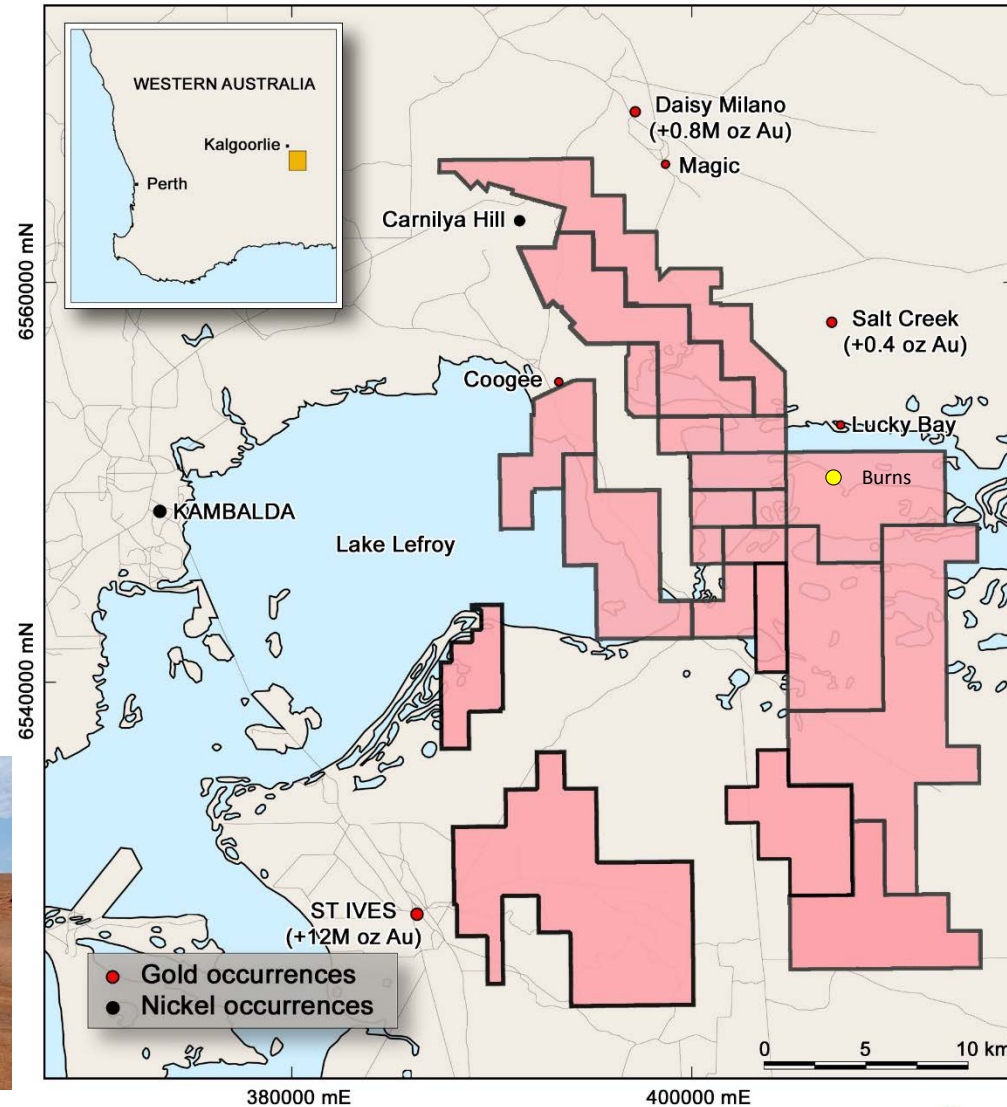
Agreement – A1 Consolidated (ASX: AYC)

- ▶ 3 year contract
- ▶ 50,000 tonnes per year
- ▶ Consideration:
 - Processing fee
 - 10% of gold produced



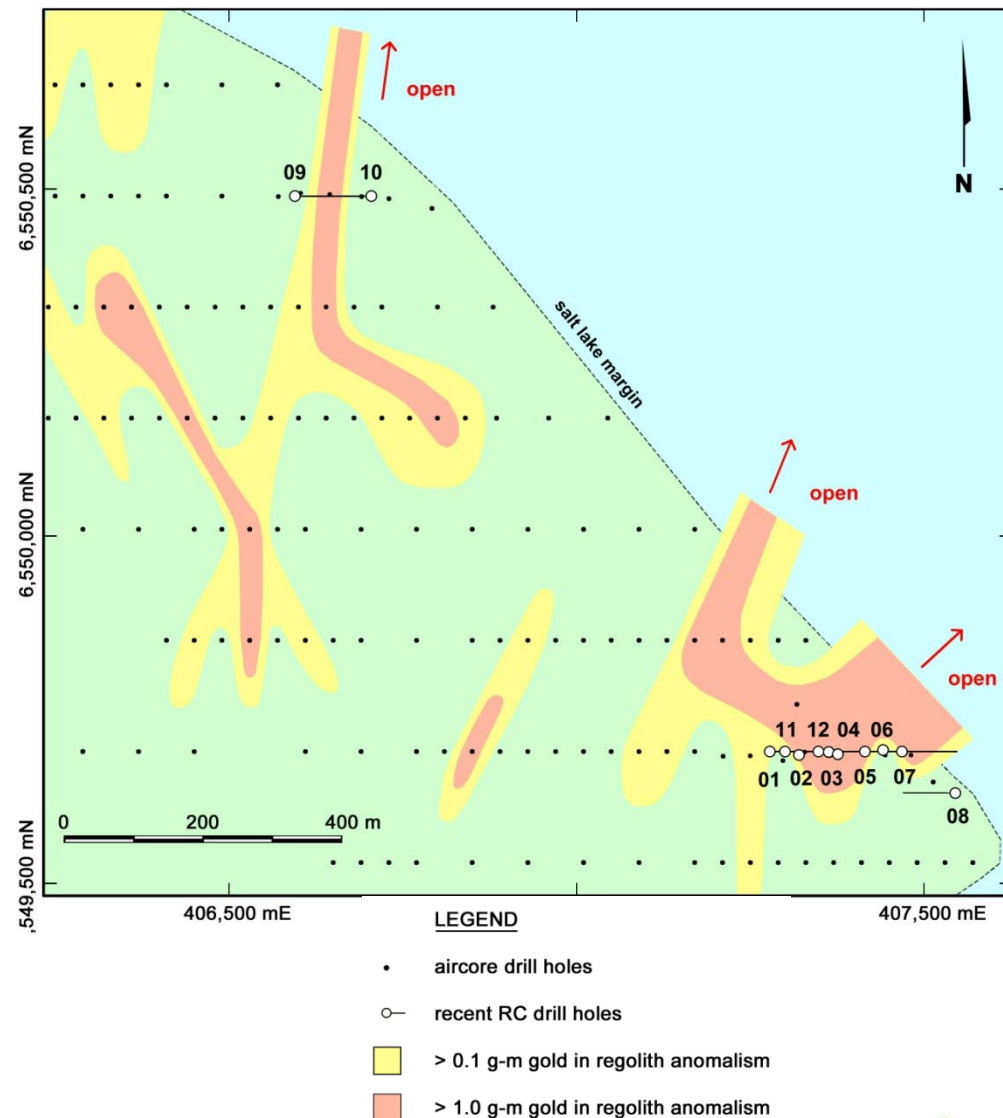
Hogan's Project - WA

- ▶ 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

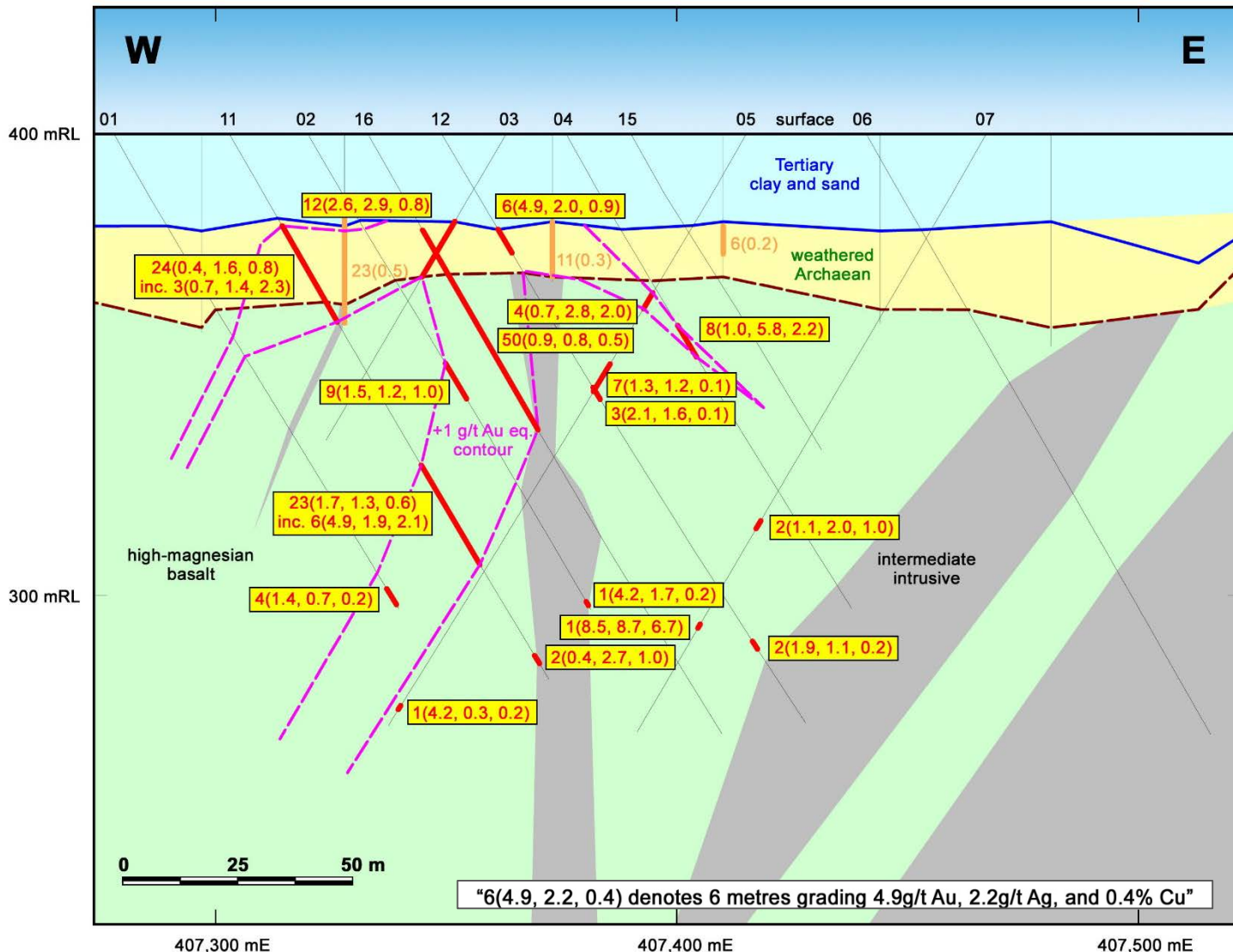
- ▶ Discovery May 2011
160 metre by 640 metre spaced drilling
23 metres @ 0.5 g/t Au from 18 metres
- ▶ 272 aircore holes for 16,341 metres
40 metre by 160 metre spaced drilling
gold in regolith anomalism defined over one square kilometre
- ▶ Anomaly unconstrained by drilling beneath salt lake
- ▶ 33 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

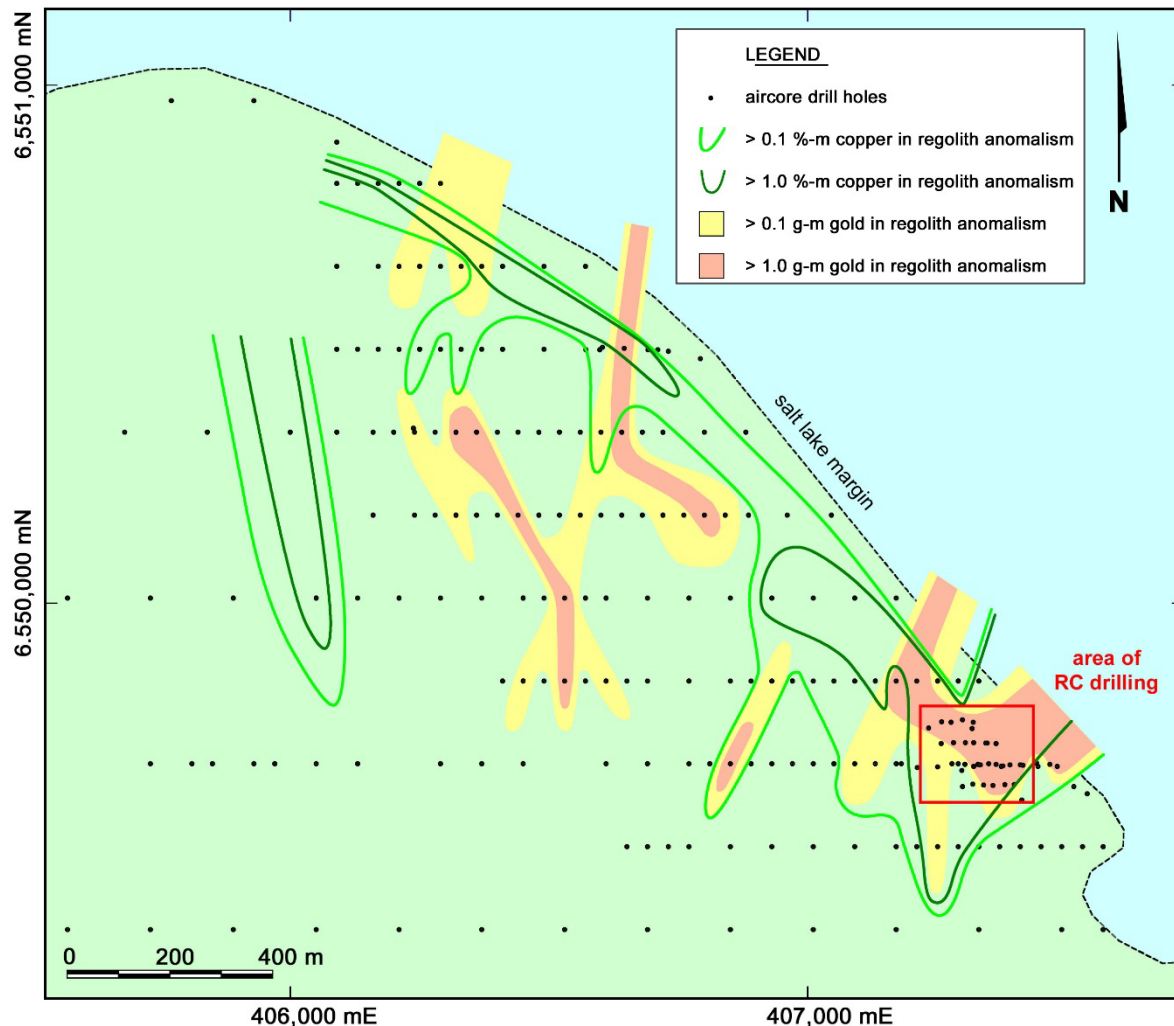
► Significant results:

- 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)



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%



Company – structure and experience

- ▶ 106 m shares on issue, \$2.4 m cash (31 March 2013) (no options)
- ▶ Enterprise Value: \$9.3 m @ 11c
- ▶ Tight shareholding (top 20 shareholders own 65.9% of Company)
- ▶ Experienced board and management

Victoria – cash flow

- ▶ +\$30 m sunk capital in 150,000 tpa CIL gold processing plant and 1,900m decline to underground resource (182,000 oz) ¹
- ▶ JORC-compliant Inferred Resources totalling 245,000 oz of gold ¹
- ▶ Underground and open pit mining – gold production commenced with third party ore
- ▶ 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

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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