



# Heron Resources Limited

## **AGM Presentation**



**Creation of a Well-Capitalised  
Lachlan Fold Belt Focused  
Base and Precious Metals Company**

21 November 2014

**ASX: HRR | TSX: HER**

# Forward Looking & Compliance Statements



## Forward Looking Statements

- The information contained in this presentation has been prepared using the information available to Heron Resources Ltd (Heron or the Company) at the time of preparation. This presentation also contains forward-looking statements that were based on expectations, estimates, projections and extrapolations as of the date of this presentation. Any forward-looking statement is subject to known and unknown factors which may cause actual results and developments to materially differ from those expressed by, or implied by the forward-looking statements in this presentation.
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- The material used in this presentation is intended to be a summary of selected geological data, current and proposed activities, as well as resource estimates based on information available to Heron at the time. It does not include all available information and should not be used in isolation as a basis to invest in Heron. Any potential investor should refer to Heron Resources' ASX releases and statutory reports before considering investing in the Company.
- This presentation includes information relating to a completed independent scoping study, completed independent resource estimate and a completed pre-feasibility study and includes "forward looking statements" which include, without limitation, estimates of potential nickel in concentrate production based on mineral resources and flow-sheets that are currently being evaluated. While the Company has a reasonable basis on which to express these estimates, any forward looking statement is subject to risk. Risks include, without limitation: nickel metal prices, foreign exchange rate movements, failure to meet project milestones, project funding capacity, concentrate off-take contracts and estimates of future capital and operating costs.
- The Company does not undertake to release publicly any revisions to forward looking statements included in this presentation to reflect events or results after the date of this presentation, except as may be required under applicable securities laws.
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## Competent Persons/Qualified Persons Statements

- The technical information in this news release relating to the exploration results at the Woodlawn Project is based on information compiled by Mr Rod Arnold, who is a Member of the Australasian Institute of Geoscientists. Mr Arnold is a full time employee of Heron Resources Limited and has sufficient experience, which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code) and "qualified person" as this term is defined in Canadian National Instrument 43-101 ("NI 43-101"). Mr Arnold consents to the inclusion in this news release of the information in the form and context in which it appears.
- The technical information in this news release relating to the Woodlawn Mineral Resources is based on information compiled by Mr Robin Rankin, who is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM) and accredited by the AusIMM since 2000 as a Chartered Professional (CP) in the geology discipline. Mr Rankin is Principal Consulting Geologist of independent geological consultancy GeoRes. He has sufficient experience, which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code) and "qualified person" as this term is defined in Canadian National Instrument 43-101 ("NI 43-101"). Mr Rankin consents to the inclusion in this news release of the information in the form and context in which it appears.
- The information in this release that relates to Ore Reserves associated with the Woodlawn Retreatment Project is based on information compiled by qualified person, Mr Richard Lambert, P.E. a professional engineer and Registered Member of SME. Mr Richard Lambert is Principal Mining Engineer and Executive Vice President of Roscoe Postle Associates, Inc. He is independent of Heron applying the test set out in Section 1.4 of NI 43-101. He has sufficient experience relevant to the style of mineralization and type of deposit under consideration, and to the activity which he is undertaking, to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code) and by reason of his education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, fulfils the requirements to be a "qualified person" for the purposes of NI 43-101.
- The information in this presentation that is related to nickel exploration is based on information compiled by David von Perger who is a member of Australian Institute of Mining and Metallurgy. David von Perger is a full time employee of Heron Resources Limited. David von Perger has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the exploration activity being undertaking to qualify as Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". David von Perger consents to the inclusion in this presentation of the matters based on his information in the form and context that it appears.
- Refer Heron Resources Limited 2013 Annual Report, page 62, Section 8.0, "Statement of Mineral Resources" and accompanying Attribution Statement. The information in this presentation that is related to nickel Resources is based on information compiled by Steve Jones who is a member of Australian Institute of Mining and Metallurgy. Steve Jones is a full time employee of Heron Resources Limited. Steve Jones has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the exploration activity being undertaking to qualify as Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Steve Jones consents to the inclusion in this presentation of the matters based on his information in the form and context that it appears.

# Forward Looking & Compliance Statements

(continued)



## Competent Persons/Qualified Persons Statements continued

- The information in this report that relates to Mineral Resources for the Highway, Goongarrie Hill, Goongarrie South, Big Four, Aubils and Boyce Creek Prospects is based on information originally compiled by a former Heron Resources Limited resource geologist and validated by Steve Jones a Heron employee in 2013. Both are Members of the Australasian Institute of Mining and Metallurgy. Steve Jones is a full time employee of Heron and has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the resource estimation activity that he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Steve Jones consents to the inclusion in this report of the matters based on his information in the form and context that it appears. Note that Mineral Resources that are not Ore Reserves do not have demonstrated viability.
- The information in this report that relates to Mineral Resources for the Siberia North, Bulong East, Siberia, Black Range, Taurus and Jump Up Dam Prospects is based on information compiled by Snowden Mining Industry Consultants by members of the Australian Institute of Mining and Metallurgy. Snowden Mining Industry Consultants had sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the resource estimation activity. All resources were internally audited by Snowden and signed off by a person of sufficient experience to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' and reviewed by Steve Jones in 2013. Steve Jones a full time employee of Heron validated the Snowden Mining Siberia North estimate in 2013. Note that Mineral Resources that are not Ore Reserves do not have demonstrated viability.
- The information in this report that relates to exploration and resource data (including drilling data, database quality, geological interpretation and density modelling) is based on information originally compiled by previous full time employees of Heron Resources Limited and Steve Jones. Steve Jones is currently a full time employee of Heron Resources Limited and has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the exploration activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Steve Jones has validated the original resource estimates during 2013. Steve Jones consents to the inclusion in this report of the matters based on his information in the form and context that it appears.
- The information in this report that relates to exploration is based on information compiled by Ian Buchhorn who is a Member of the Australasian Institute of Mining and Metallurgy. Ian Buchhorn is a full time employee of Heron Resources Limited and has sufficient experience that is relevant to mineral economics and the style of mineralization and type of deposit under consideration, and to the exploration activity that is being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves". Ian Buchhorn has consented to the inclusion in this report of the matters based on his information in the form and context that it appears.

## For previously reported (by Heron) Prefeasibility Studies (in this presentation):

- Information is extracted from the announcement entitled "Vale Delivers Strong KNP Pre-Feasibility Report" released on 9 February 2009 and from the announcement entitled "Completion of Kalgoorlie Nickel Project PFS Revision" released on 16 February 2010 which are available at [www.heronresources.com.au](http://www.heronresources.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates 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 been materially modified from the original market announcement.
- Information is extracted from the announcement entitled "Simulus Scoping Study results - Step Change for KNP" released on 8 April 2014 and from the announcement entitled "Simulus Scoping Study Clarification" released on 22 April 2014 which is available at [www.heronresources.com.au](http://www.heronresources.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates 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 been materially modified from the original market announcement. The 2014 Simulus Study, with its focus on lower capital expenditure, supersedes the 2009 and 2010 Pre-feasibility Studies.
- It should be noted (as it was noted in the originally reported Pre-Feasibility Study) that there is a low 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 Resource or that the production target itself will be realized.



### Focused on the development of the Woodlawn VMS Project

#### Key Characteristics

- ⌚ High grade / high value deposit
- ⌚ Established Mineral Resources & Ore Reserves
- ⌚ High grade underground and advanced tailings project
- ⌚ Granted mining lease and project approvals in place
- ⌚ Excellent infrastructure: road, rail, power, water

#### Development Program

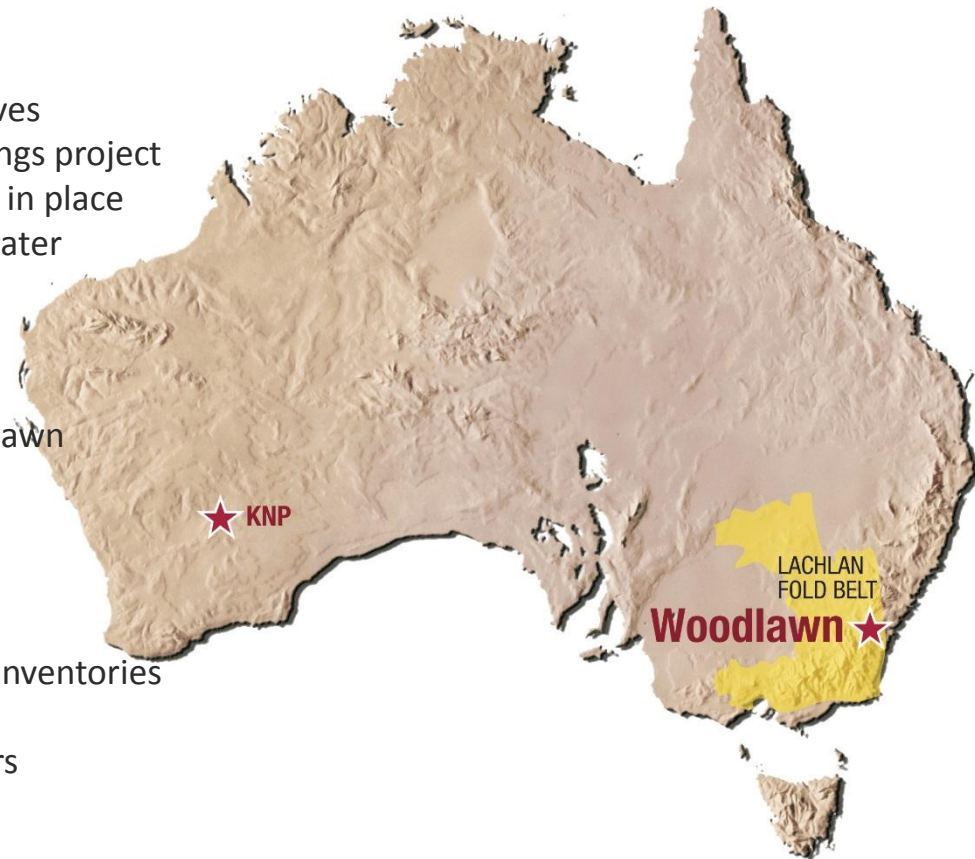
- ⌚ Woodlawn drilling & PEA - underway
- ⌚ Program to deliver BFS for combined Woodlawn Underground and Tailings Projects
- ⌚ Cash \$31 million (30 Sep)

#### Commodities with Strong Fundamentals

- ⌚ Zinc market in supply deficit with declining inventories
- ⌚ Significant mine supply scheduled to close
- ⌚ Strong pricing forecast for next several years

#### Quality Project Inventory

- ⌚ Lachlan Fold Belt, NSW projects: Lewis Ponds, Overflow, Calarie – Zn + Cu + Pb + Ag + Au
- ⌚ Kalgoorlie Nickel Project, WA: Substantial nickel exposure





# Heron Resources

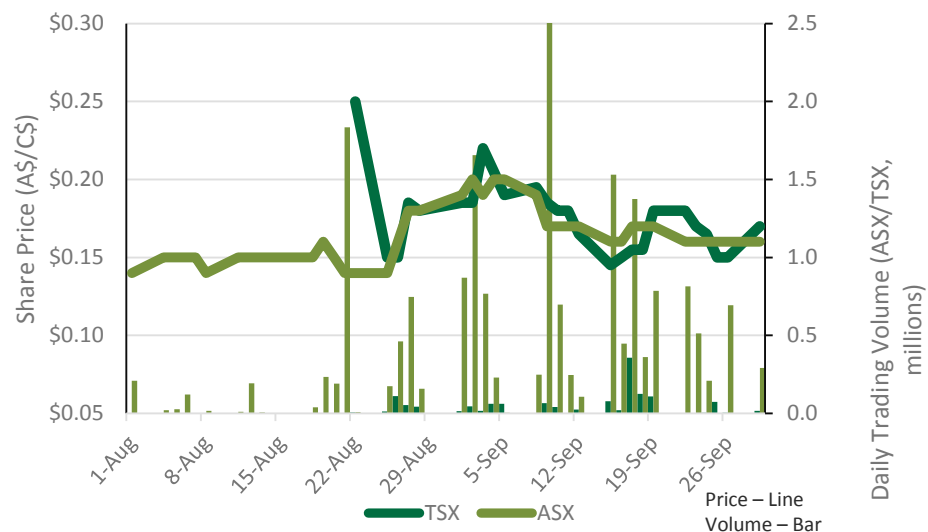
## Corporate Summary



### Capital Structure

<b>ASX : HRR</b>	<b>TSX : HER</b>
<b>Shares:</b>	<b>360.9m</b>
<b>Options:</b>	<b>14m</b>
<b>Share Price:</b>	<b>\$0.12</b>
<b>Market Capitalisation:</b>	<b>\$43.3m</b>
<b>Cash:</b>	<b>\$31.0m (30 Sep 2014)</b>
<b>Listed Investments:</b>	<b>\$3.4m</b>

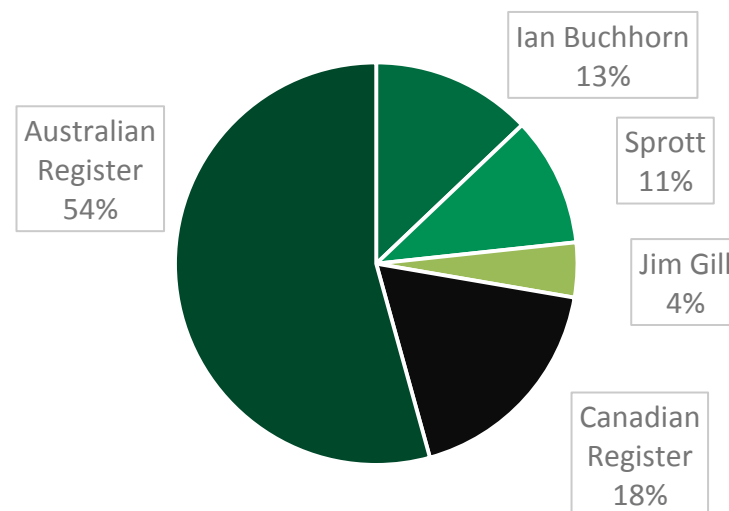
### Share Price



### Board & Management

<b>Chairman</b>	<b>Craig Readhead</b>
<b>Non-Executive Director</b>	<b>Stephen Dennis</b>
<b>Executive Director</b>	<b>Ian Buchhorn</b>
<b>Managing Director &amp; CEO</b>	<b>Wayne Taylor</b>
<b>General Manager Exploration</b>	<b>Dave von Perger</b>
<b>General Manager Strategy</b>	<b>Charlie Kempson</b>
<b>CFO &amp; Joint Comp Secretary</b>	<b>Simon Smith</b>

### Share Register

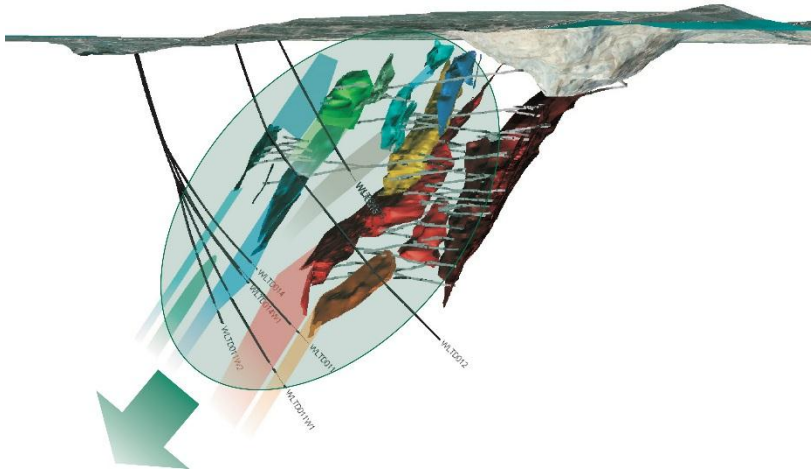


# The Woodlawn Project

- 490km<sup>2</sup> tenement package centred 250km from Sydney & 70km from Canberra
- 1978 to 1998 - 13.8Mt @ 9.1% Zn, 3.6% Pb, 1.6% Cu, 74g/t Ag, 0.5g/t Au
- The property contains the advanced tailings retreatment project and the earlier stage, high grade underground project



## Underground – High Grade Deposit



## Woodlawn Underground Project (WUP)

- Current Measured+Indicated+Inferred Resources<sup>1</sup> of:  
10.1Mt @ 10.2% Zn, 4.0% Pb, 1.8% Cu, 84g/t Ag, 0.6g/t Au

## Tailings – Development Ready



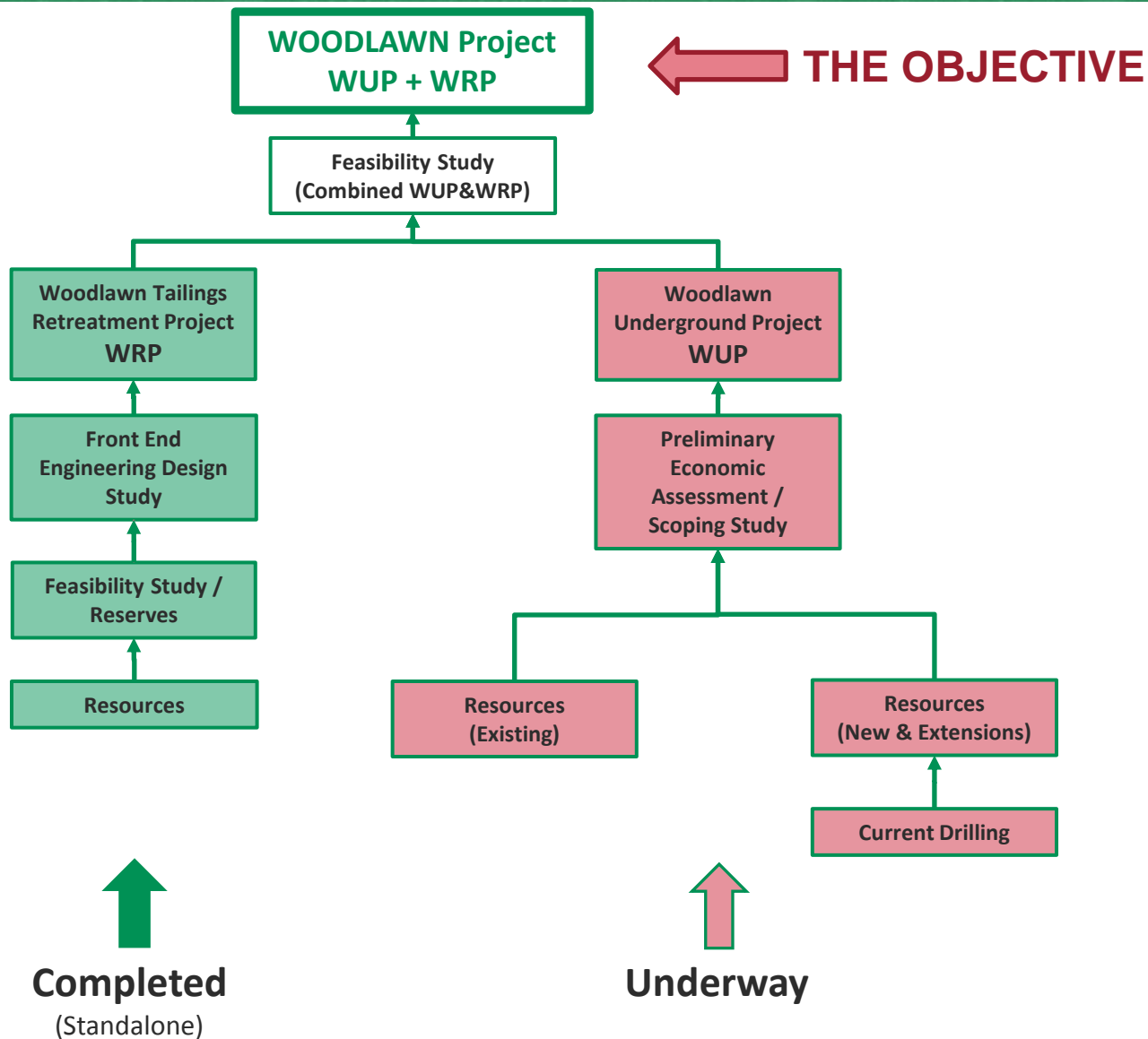
## Woodlawn Tailings Retreatment Project (WRP)

- Reserves<sup>2</sup> of:  
11.2Mt @ 2.2% Zn, 1.3% Pb, 0.5% Cu, 31g/t Ag, 0.3g/t Au

1) JORC 2012. The WUP Resource was disclosed originally in TriAusMin's 29 January 2014 release titled "Restatement of Woodlawn Underground Mineral Resources".  
2) JORC 2004. The WRP Reserve is based on information contained within TriAusMin's 22 March 2012 release.  
Heron is not aware of any new information or data that materially affects the information included in the above announcements and all material assumptions and technical parameters continue to apply.

# The Woodlawn Project

Status - Advanced Stage



COMMUNITY	✓
ACCESS	✓
POWER	✓
PORT	✓
WATER	✓
LABOUR	✓
PERMITTING	✓
MINING LEASE	✓



# Supply < Demand

2014 YTD - LME+SHE Stocks ↓ 380kt

### Weaker Supply Growth

Previously 'Poor Cousin' Commodity  
Limited exploration → limited project pipeline  
Major mines ageing & closing  
Commodity Market Sentiment  
Association effect – other commodity volatility  
Credit/funding rationing

### Stronger Demand Growth

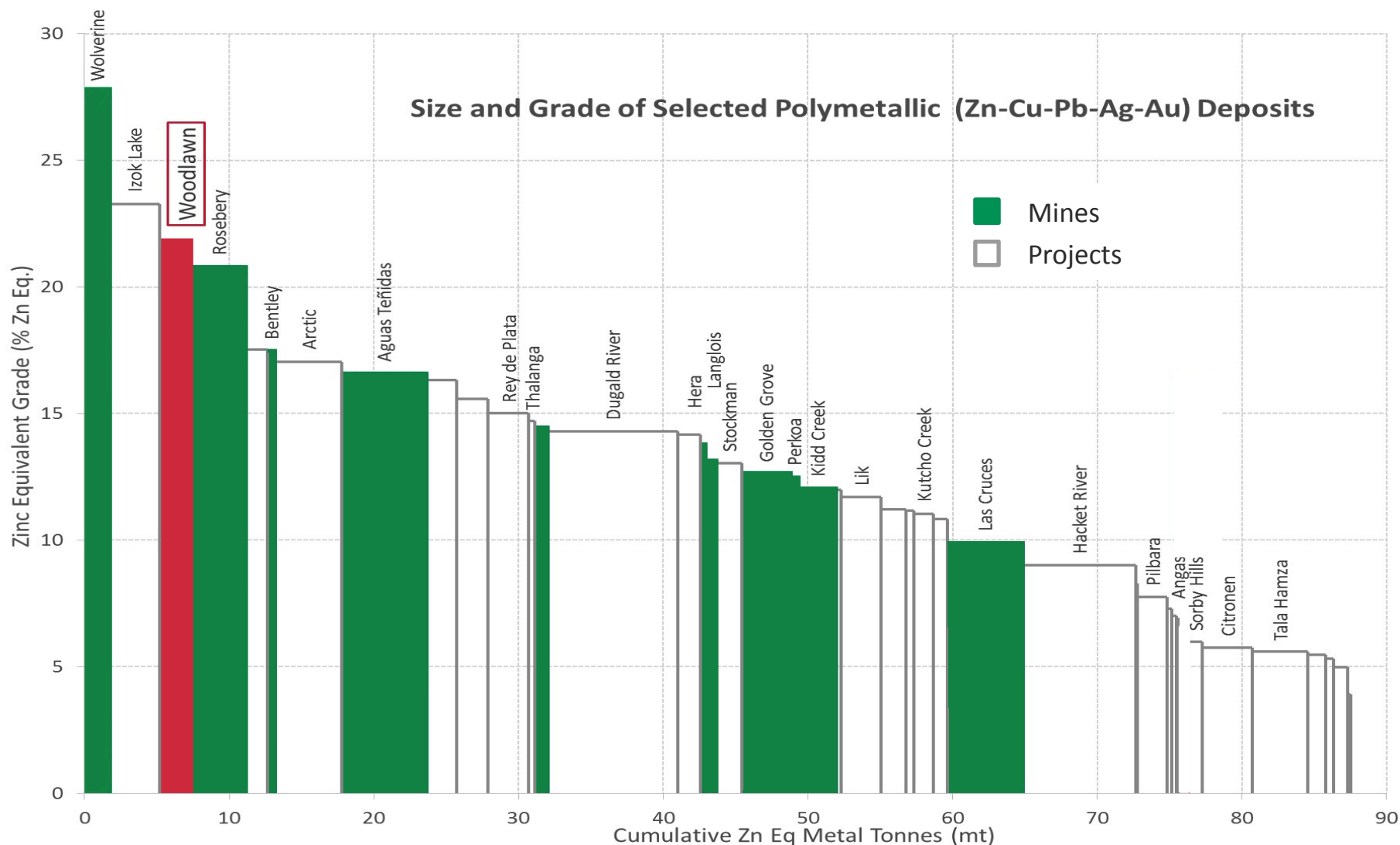
1<sup>st</sup> Use –  
Galvanising, Die Cast Alloys, Brass  
2<sup>nd</sup> Use –  
Construction, Transport, Infrastructure  
Higher living standards driving demand for corrosion protection

**The Zinc Price Driver**  
**Fundamental Commodity Scarcity**



# Woodlawn Benchmarking

“One of the highest grade undeveloped VMS projects in the world”



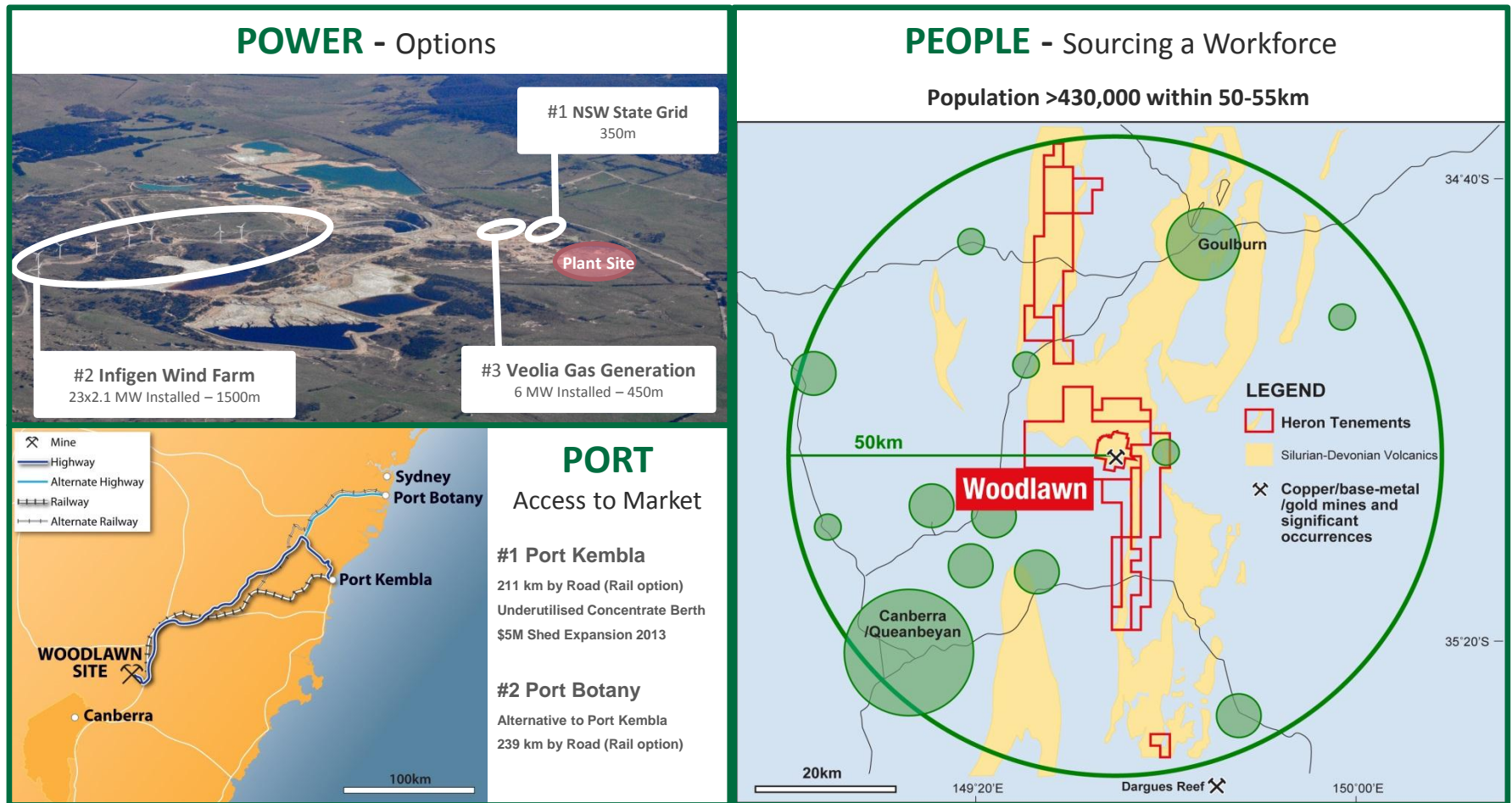
Source: Terra Studio. Zn equivalent grade calculated based on the following US\$ metal prices: Zn \$1.00/lb, Pb \$0.95/lb, Cu \$3.00/lb, Ag \$14/oz, Au \$1,100/oz

# Woodlawn Project

## Infrastructure



Quality of the supporting infrastructure and access to operational resource inputs are second to none



# Woodlawn Underground

## Historical Insights

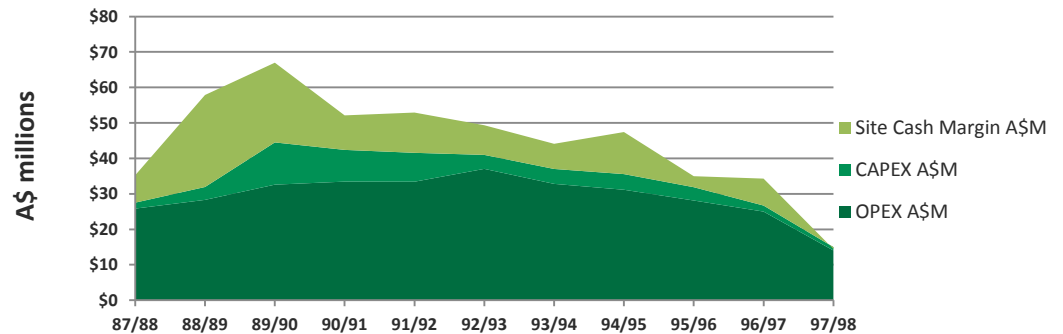
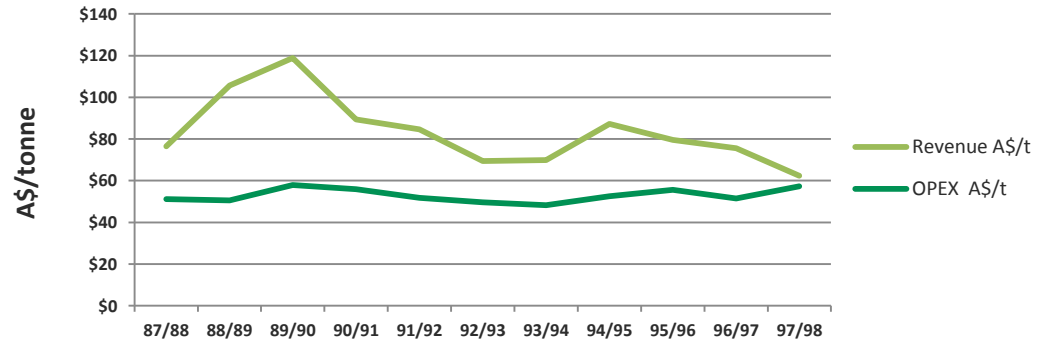
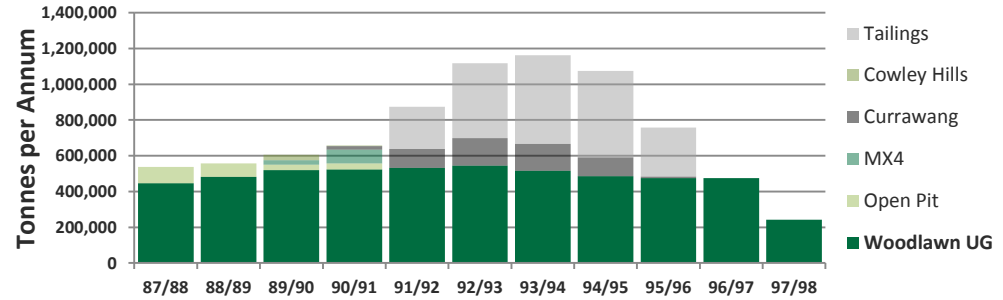


**Reliable  
High  
Grade  
Producer  
(1987 – 1998)**

Consistent  
Production

Consistent  
Cost Profile

Consistent  
Cash  
Contributor



Source: Denehurst Operations Reports

# Woodlawn Project

## Current Activities To Realise The Opportunity



### PEA / Scoping Study

- Drilling and resource expansion – new feed stock (8 DD & 11 RC completed)
- Metallurgical test work
- Independent studies – geotechnical, resource, mining, metallurgy, project engineering and environmental
- Precursor to a combined WUP + WRP Feasibility Study

### Mine Access (Preliminaries)

- Geotechnical drilling – 2 holes completed
- Mine access planning
- Environmental management plans

## Vision for the New Operations

What it isn't - a simple replication of what was done before

What it is – utilisation of an extensive collection of historical operating & technical data along with the integration of industry advancements to create a more efficient, productive and long life mining operation

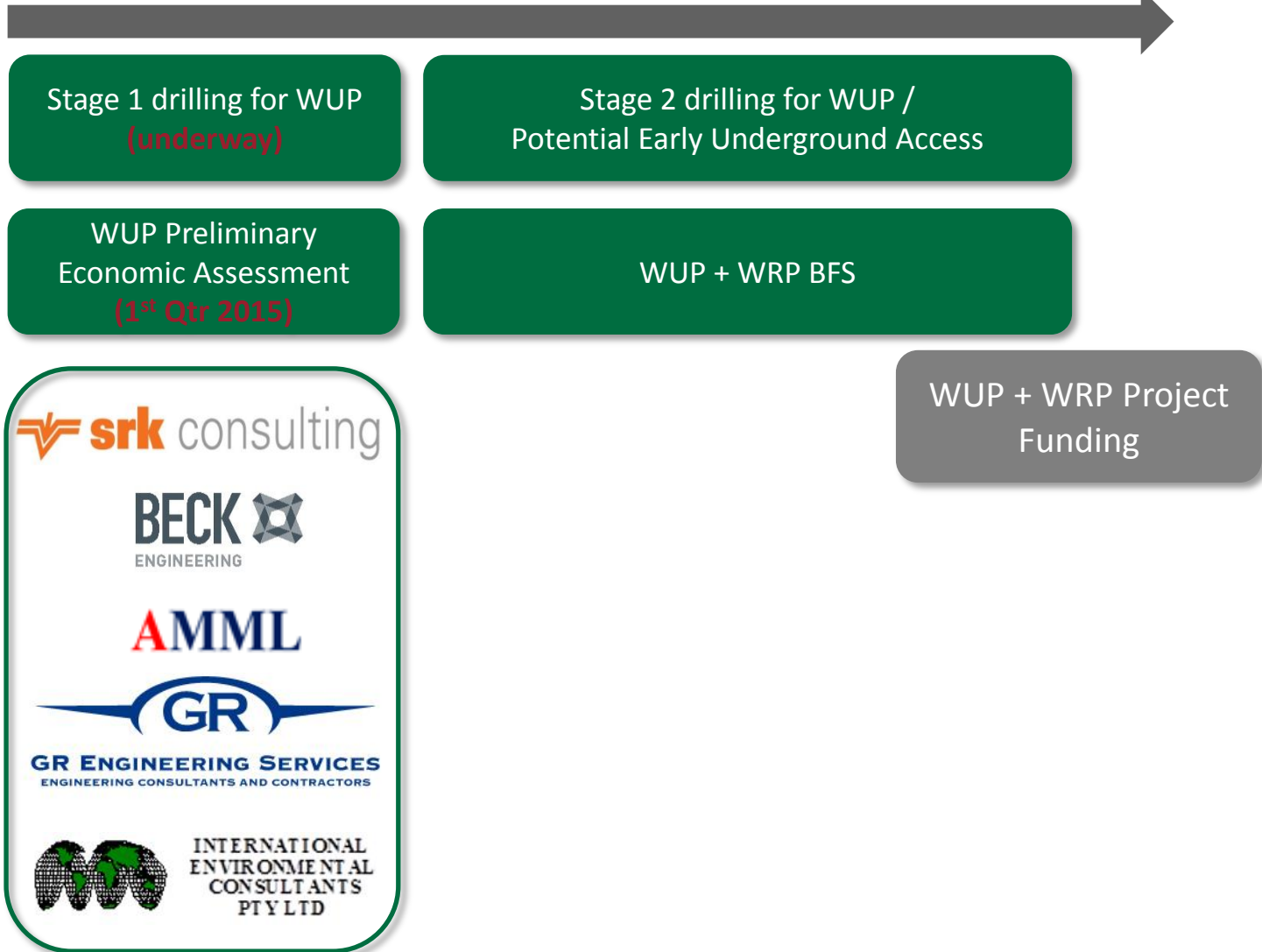


# Woodlawn Underground

## Forward Program & Timing



18-24 month timeframe



**Open Pit**  
(Waste disposal site)

**G Lens**

**H Lens**

**E Lens**

**F Lens**

**C Lens**

**Kate Lens**

**A Lens**

**I Lens**

**New I2 Lens**

**D Lens**

**B Lens**

**J Lens**

**Drill Holes:** WND0010, WND0007, WND0015, WND0001, WND0008, WLTD012, WND0006, WLTD011, WLTD011W1

**Depth Markers:** 350m, 620m deepest workings

**Kate Lens (Pre 2014 results)**  
32m @ 4.6% Zn, 1.8% Cu, 1.2% Pb, 0.6g/t Au, 21g/t Ag  
incl 9m @ 16.1% Zn, 2% Cu, 4% Pb, 0.8g/t Au, 52g/t Ag

**I Lens (Pre 2014 results)**  
9.45m @ 6.2% Zn, 1.7% Cu, 1.2% Pb, 0.8g/t Au, 14.6g/t Ag  
14.5m @ 11.7% Zn, 3.7% Cu, 3.7% Pb, 1.9g/t Au, 121g/t Ag  
9.0m @ 8.6% Zn, 2.9% Cu, 4.6% Pb, 2.1g/t Au, 167g/t Ag

**NEW I2 Lens (Pre 2014 results)**  
7.3m @ 6.0% Zn, 1.7% Cu, 1.8% Pb, 2.9g/t Au, 54g/t Ag  
8.9m @ 6.3% Zn, 2.7% Cu, 3.0% Pb, 1.2g/t Au, 71g/t Ag

**D Lens (Pre 2014 results)**  
11.1m @ 8.3% Zn, 0.9% Cu, 3.6% Pb, 0.4g/t Au, 61.2g/t Ag  
13m @ 5.5% Zn, 0.2% Cu, 2.2% Pb, 0.2g/t Au, 23.7g/t Ag  
8.0m @ 10.7% Zn, 1.2% Cu, 3.9% Pb, 0.6g/t Au, 57g/t Ag

**B Lens (Pre 2014 results)**  
4.0m @ 3.3% Cu, 13g/t Ag  
13.7m @ 4.3% Cu, 13.4g/t Ag

**J Lens (Pre 2014 results)**  
4.0m @ 3.1% Cu, 8g/t Ag

**Woodlawn Cross Section Looking East**

**400m**

# Woodlawn Underground

## The 2014 Hit List – Program To Date



### Massive Sulphide (MS) Intercepts from 8 diamond holes completed:

- WNDD0001: 14.4m of complex MS from 374m (Kate Lens)
- WNDD0002: 1.5m of MS from 217m (edge of H Lens)
- WNDD0002: 2.3m of MS from 368m (Kate Lens)
- WNDD0002: 8.81m of complex MS from 374m (Kate Lens)
- WNDD0006: 4.7m of complex MS from 627m (I Lens)
- WNDD0006: 9.8m of complex MS from 698m (I2 Lens)
- WNDD0006: 10.5m of complex MS from 759m (D Lens)
- WNDD0007: 13.3m of complex MS from 413m (Kate Lens)
- WNDD0008: 6.6m of complex MS from 434m (Kate Lens)

#### MS INTERCEPTS

2014

D Lens

G Lens

H Lens

I Lens

I2 Lens

KATE Lens

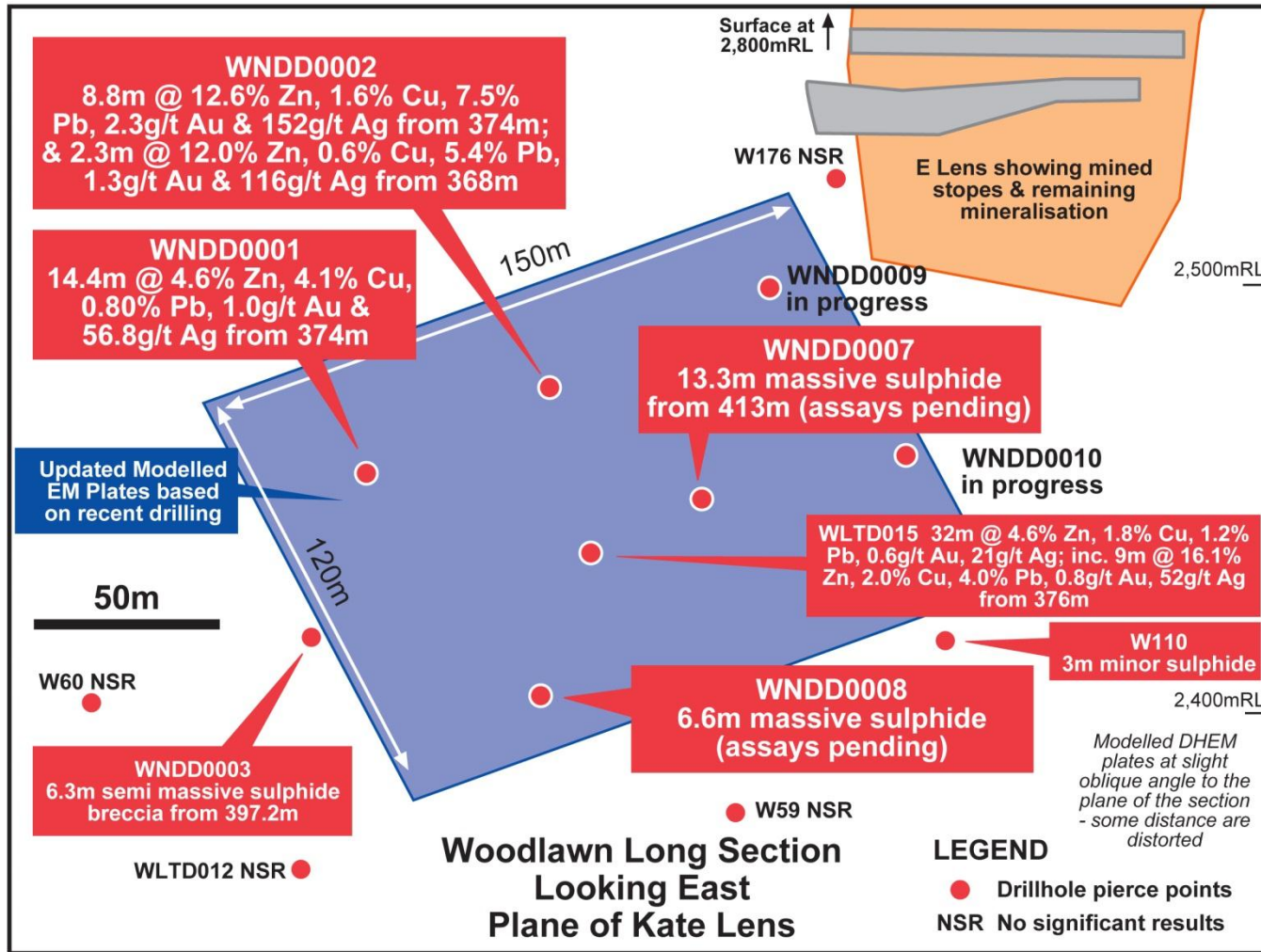
### Assay Results to date:

- WNDD0001: 14.4m @ 4.6% Zn, 4.1% Cu, 0.8% Pb, 1.0g/t Au & 57g/t Ag from 374m (Kate Lens)
- WNDD0002: 1.5m @ 6.5% Zn, 1.4% Cu, 2.0% Pb, 1.2g/t Au & 66g/t Ag from 217m (edge H Lens)
- WNDD0002: 8.8m @ 12.6% Zn, 1.6% Cu, 7.5% Pb, 2.3g/t Au & 152g/t Ag from 374m (Kate Lens)
- WNDD0002: 2.3m @ 12.0% Zn, 0.6% Cu, 5.4% Pb, 1.3g/t Au & 116g/t Ag from 368m (Kate Lens)
- WNRC0010: 8.0m @ 3.6% Zn, 1.3% Cu, 2.6% Pb, 1.0g/t Au & 65g/t Ag from 37m (G Lens)



# Woodlawn Underground

## 2014 Kate Lens Drilling



Intercepts sourced from field data and subject to change upon receipt of assays.





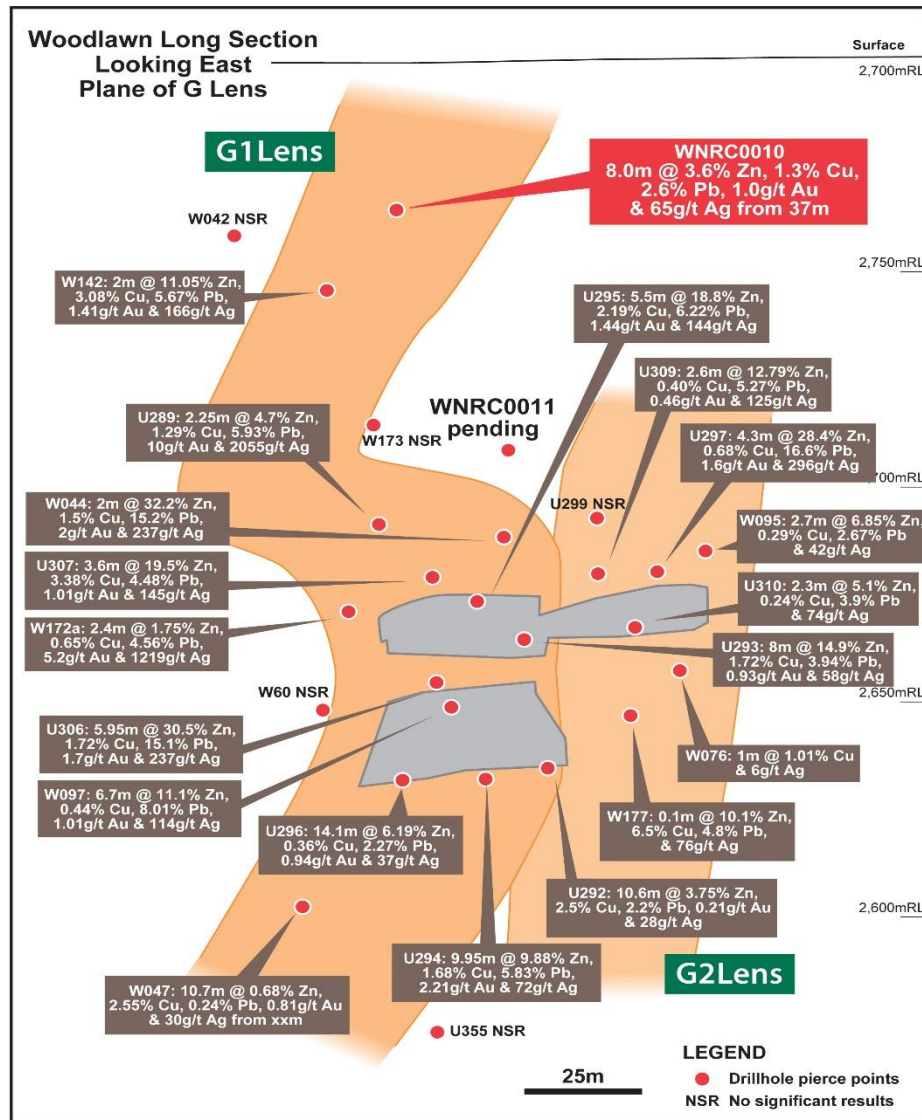
# Woodlawn Underground

## G Lens

High Grade  
Shallow  
Intercept

&

Exceptional  
Historical  
Results



# Woodlawn Project

## Downhole Electromagnetic Surveys



- **Equipment evolution – significant step change in power since the 1990s**

**20 ampere  
1990's**

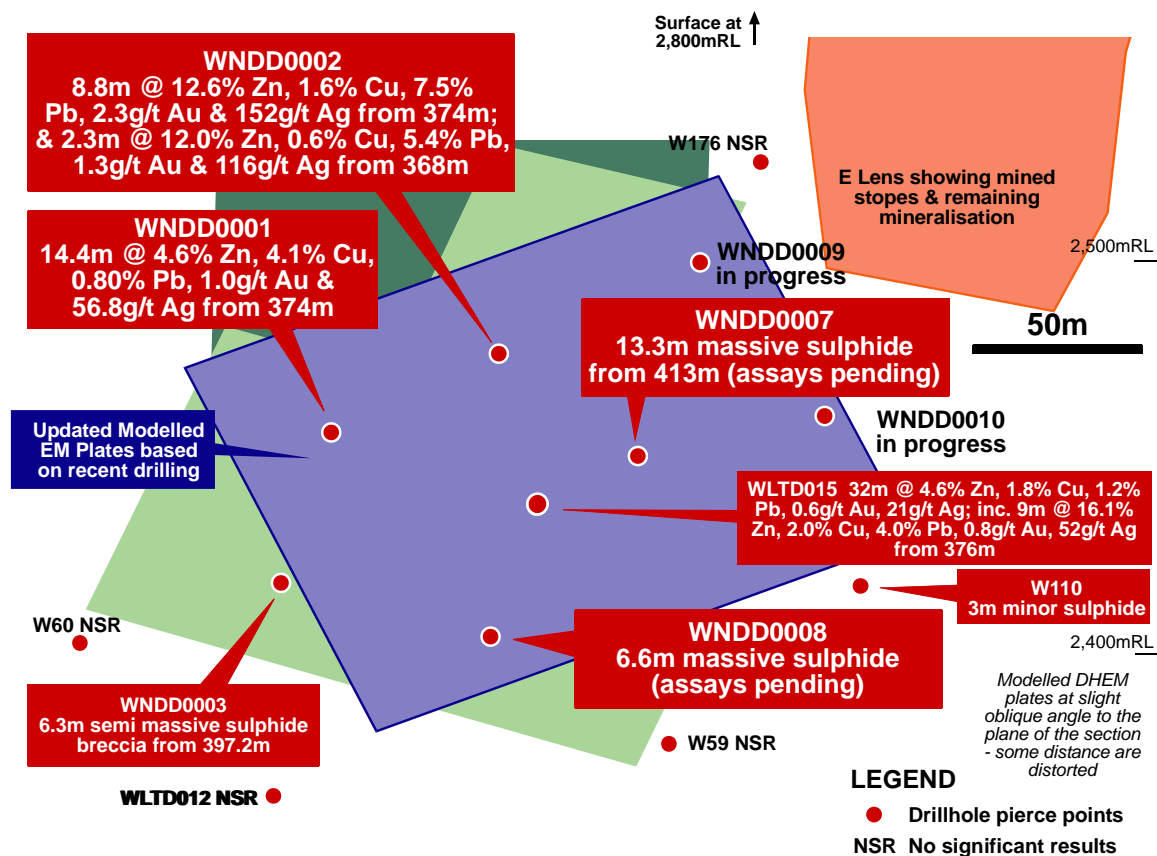


**130 ampere  
2014**

- **Kate lens discovered through off-hole DHEM conductor in 2012-13**
- **Integral part of 2014 program:**
  - Refined Kate lens position
  - WNDD0004/5 I Lens - up-dip modelling for future drilling
  - WNRC0008 – Gossan RC hole near office block - potential conductor beyond the end of the hole
  - WNDD0006 – surveying now around I, D and B lens positions
  - WNDD0007 – surveying now to test beyond the Kate lens & down dip of A lens

# Woodlawn Project

## Kate Lens DHEM



2012 DHEM Plate – Interpreted off hole conductor WLTD012

2013 Drilled WLTD015

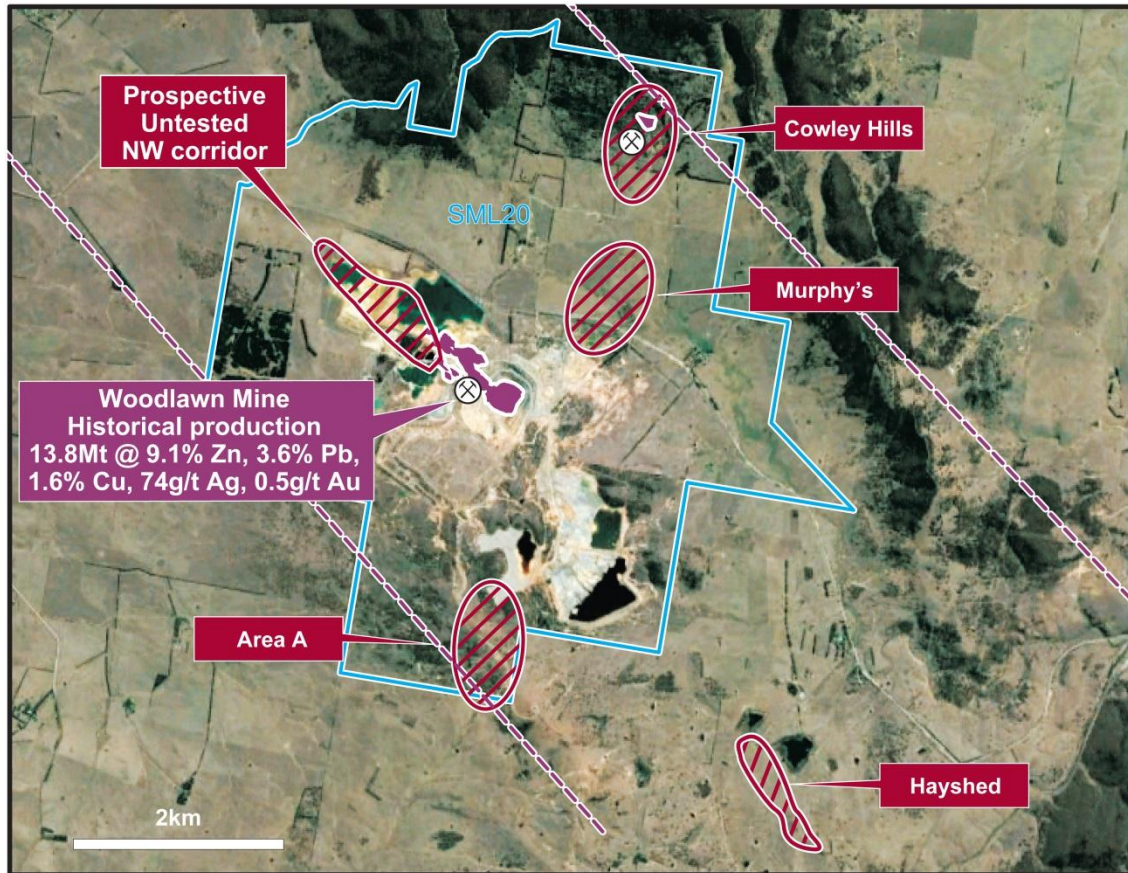
2013 DHEM Plate – Interpreted WLTD015

2014 DHEM Plate – Latest drilling



# Woodlawn Exploration

## Multiple High Ranking Targets



### Highly Prospective NW Corridor

- Mineralised trend remains untested
- Surface mapping impeded by cover
- Access historically impeded by infrastructure

### Untested Gossans

- Pre-mining surface mapping
- Effectively tested gossans = C, B, F lenses
- Mapped gossans remain to be tested

### Historical Satellite Production

- Cowley Hills – 2km NE (35kt)
- Currawang – 9km NW (0.5Mt)



# Exploration Portfolio

## Lachlan Fold Belt



### Strong focus on Lachlan Fold Belt

#### Lewis Ponds

- Indicated and Inferred Mineral Resource 6.6Mt at 0.2%Cu, 1.4%Pb, 2.4%Zn, 1.5g/t Au and 69g/t Ag<sup>1</sup>
- Broad zones of near surface mineralisation identified in 2011 drilling - open pit potential
- Excellent gold target, immediately along strike from Regis McPhillamy gold deposit

#### Overflow

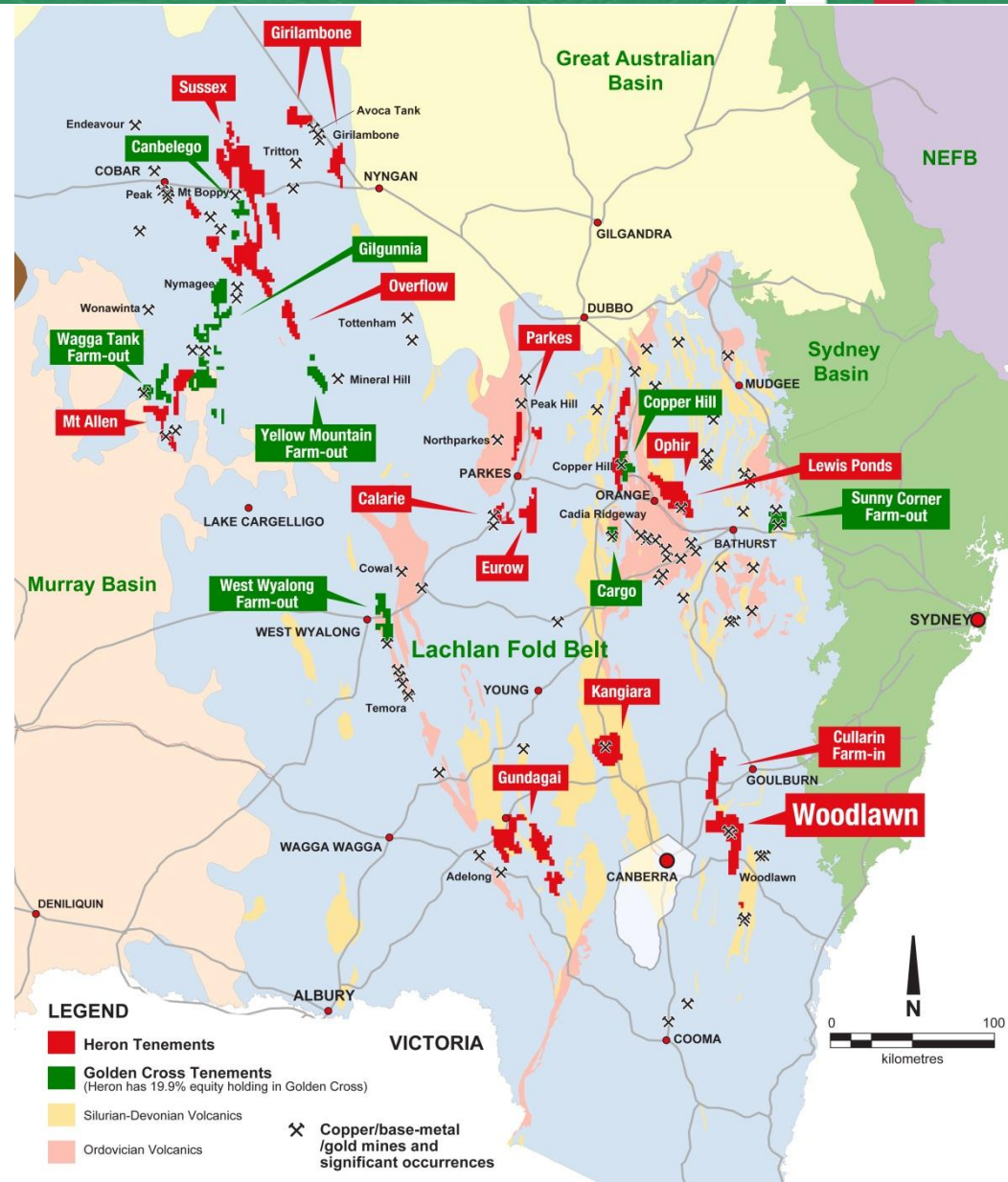
- 40km along strike from the Mineral Hill operation
- Significant drilling results include:
  - 4.7m @ 8.5g/t Au, 13.5% Zn, 7.1% Pb from 185m
  - 6.0m @ 7.6g/t Au, 3.6% Zn, 1.6% Pb from 136m
  - 7.0m @ 6.7g/t Au, 1.9% Zn, 1.4% Pb from 236m

#### Calarie

- Farmed out to Kimberley Diamonds Ltd
- Inferred Mineral Resource of 0.5Mt at 2.2g/t Au at 1.0g/t cut-off

#### Golden Cross Resources Ltd (ASX: GCR)

- 19.9% Investment
- Recently drill results into Copper Hill:
  - 178m @ 0.26% Cu and 0.24g/t Au from 487m
  - 30m @ 0.26% Cu and 0.70g/t Au from 713m
  - 60m @ 1.83% Cu and 5.41g/t Au from 11m



1) JORC 2004. Refer to TriAusMin release of 4 March 2014 for details. Cut-off grades applied in the Resource definition were based on a 3% Zn equivalent grade based on the following formula:  $(1240 \times \%Zn + 900 \times \%Pb + 2860 \times \%Cu + 430 \times g/tAu \times 0.03215 + 6.75 \times g/tAg \times 0.03215) / 1240$

# KNP - Kalgoorlie Nickel Project

## Significant Nickel Position



### Resource

- **796Mt grading 0.70% nickel and 0.048% cobalt** (at 0.5% Ni cog), 2012 JORC Mineral Resource
- Screen beneficiated feed grade 1.1-1.2% nickel

### Studies

- 2009 Vale Inco PFS – \$34.5 million expenditure, no equity earned, immensely valuable Feasibility Study data set:
  - >95,000 metres drilled, JORC resource
  - Metallurgical assessments
- 2014 Scoping Study
  - 20Ktpa operation – step change in economics
  - C1 cost of US\$4.27/lb
  - Capital intensity of US\$13.82/annual Ni lb of production (HPAL US\$40/lb)

### Infrastructure

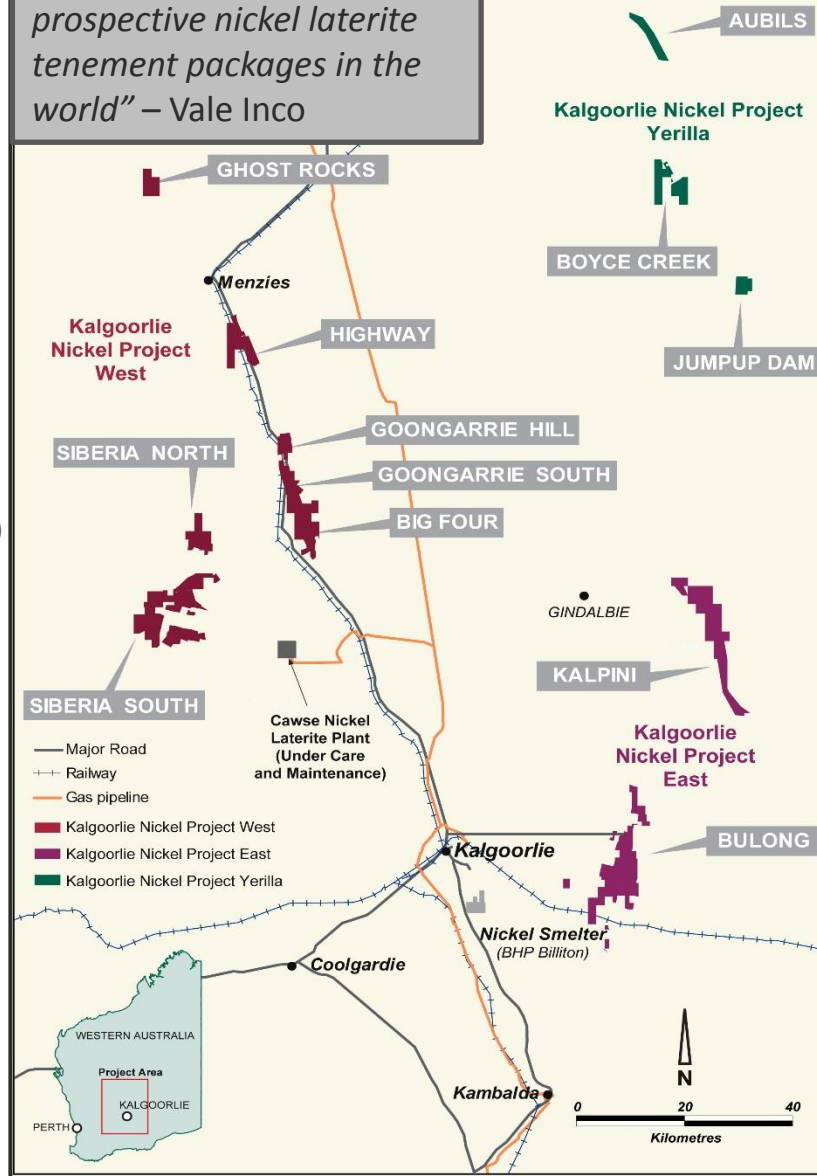
- Located within 100km of Kalgoorlie, granted Mining Leases, owned 100% Heron, unencumbered
- All gas, road, rail, port infrastructure present
- Strong Community and Government support

### Partnering Process

- **KPMG Corporate Finance** appointed to coordinate the international search for a partner for the KNP development

Refer to Heron announcements dated 9 Feb 09, 8 & 22 Apr 14 and 2 & 31 Jul 14. Heron confirms that all the material assumptions underpinning the respective production target or forecast financial information as disclosed in the announcements were applicable when disclosed at the time of first reporting and continue to apply and have not materially changed.

*“One of the most prospective nickel laterite tenement packages in the world” – Vale Inco*







- ✓ **Board of Directors with a track record of returning value to shareholders**
- ✓ **Management with a track record of developing and operating mines**
- ✓ **Well funded**
- ✓ **Desirable jurisdiction**
- ✓ **Very high grade / high value polymetallic project**
- ✓ **Readily available infrastructure and workforce**
- ✓ **Moderate development capital expenditure**
- ✓ **Reduced development risks**
- ✓ **Leveraged to zinc, copper and nickel prices**



# Directory

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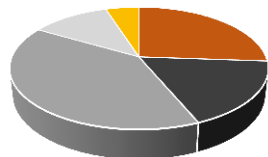
## Contacts

Wayne Taylor (Managing Director)  
Ian Buchhorn (Executive Director)  
David von Perger (GM Exploration)  
Charlie Kempson (GM Strategy / BD)  
Simon Smith (Chief Financial Officer)

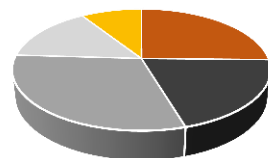




# Resources – Woodlawn (WRP + WUP), Lewis Ponds



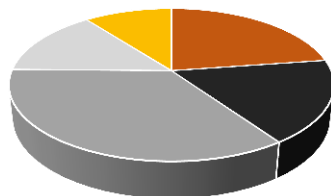
■ Cu ■ Pb ■ Zn ■ Ag ■ Au



■ Cu ■ Pb ■ Zn ■ Ag ■ Au



■ Cu ■ Pb ■ Zn ■ Ag ■ Au



■ Cu ■ Pb ■ Zn ■ Ag ■ Au

## Woodlawn Underground Project

	Mt	Zn %	Pb %	Cu %	Ag g/t	Au g/t
Measured + Indicated	8.58	10.25	4.02	1.80	84	0.54
Inferred	1.52	9.60	4.08	1.65	87	0.61

## Woodlawn Tailings Retreatment Project

	Mt	Zn %	Pb %	Cu %	Ag g/t	Au g/t
Measured + Indicated	9.4	2.33	1.36	0.52	32	0.30
Inferred	2.25	2.10	1.30	0.44	31	0.27

## Lewis Ponds

	Mt	Zn %	Pb %	Cu %	Ag g/t	Au g/t
Indicated	6.35	2.4	1.4	0.2	68	1.5
Inferred	0.27	3.0	1.9	0.1	96	1.1

## In-situ Metal Inventory

		Zn	Pb	Cu	Ag	Au
Tonnes (million)		1.45	0.66	0.25	54 Moz.	0.6 Moz.
Pounds (billion)		3.2	1.5	0.6		

WRP – Woodlawn Retreatment Project

WUP – Woodlawn Underground Project

<sup>1</sup> CIM and JORC compliant (as per the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves (the 'JORC Code'), 2012 Edition).

# Woodlawn Retreatment Project (WRP)

## Standalone Project Overview (Business Case March 2012)



Proven & Probable Reserves:	11.2 Mt @ 2.2% Zn, 1.3% Pb, 0.5% Cu, 31 g/t Ag, 0.3 g/t Au		
Projected Mining Rate:	4,300 tonnes per day (1.5Mtpa)		
Mine Life:	7.5 years		
Projected Av. Annual Production:	Cu: 14Ktpa @ 22% Cu	~ 3Ktpa (7Mlbpa)	+ Ag + Au credits
	Pb: 15Ktpa @ 35% Pb	~ 5Ktpa (12Mlbpa)	+ Ag + Au credits
	Zn: 49Ktpa @ 45% Zn	~ 22Ktpa (49Mlbpa)	+ Ag credits
	(tonnes of concentrate)		
Development Capital:	A\$92.8 million including a A\$5.6 million contingency		
Operating Costs:	Site	A\$22 /t	
	Concentrate Haulage & Ship Loading	A\$ 3 /t	
	State Royalties	<u>A\$ 1 /t</u>	
	TOTAL	A\$26 /t processed	

**Significant capital and operating cost efficiencies available through the combined development (co-treatment) of the WRP+WUP**



**WRP - Positive business case at current commodity prices & potential to optimise**

The information on this slide is based on TriAusMin announcements dated 22 March 2012 (WRP FEED Study) and 4 March 2014 (presentation). In so far as Heron aware, all material assumptions underpinning the production target in the initial 2012 public report continue to apply and have not materially changed.

# Resources – Nickel Laterite Deposits

2012 JORC Resource		Mt	Ni %	Co %
Goongarrie	Measured	5.8	1.08	0.102
	Indicated	149.7	0.72	0.053
	Inferred	174.8	0.63	0.044
Siberia	Measured	-	-	-
	Indicated	10.8	0.64	0.051
	Inferred	184.8	0.66	0.044
Bulong	Measured	-	-	-
	Indicated	15.9	0.89	0.046
	Inferred	38.5	0.80	0.052
Hampton	Measured	-	-	-
	Indicated	-	-	-
	Inferred	75.4	0.73	0.044
Yerilla	Measured	3.8	0.94	0.048
	Indicated	41.7	0.79	0.044
	Inferred	94.7	0.71	0.058
Total	Measured	9.6	1.02	0.081
	Indicated	218.1	0.74	0.051
	Inferred	568.3	0.68	0.047
<b>TOTAL</b>	<b>ALL</b>	<b>795.9</b>	<b>0.70</b>	<b>0.048</b>

2012 JORC compliant Resource. Please refer to page 18-19 of Heron's December 2013 Quarterly Report for further detail. This report may be found at <http://www.asx.com.au/asx/statistics/displayAnnouncement.do?display=pdf&idsId=01486768>

**Heron Resources Limited**

