

Nickel Laterite in Western Australia

Zhejiang Development and Reform Commission 24 November 2009 Robert Klug Heron Resources Limited

ASX: HRR

Disclaimer Forward Looking Statement

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 Resources at the time. It does not include all available information and should not be used in isolation as a basis to invest in Heron Resources. 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 feasibility study which is in progress and includes "forward looking statements" which include, without limitation, estimates of potential nickel in concentrate production based on mineral resources 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 joint venture milestones, project funding capacity, concentrate off-take contracts and estimates of future capital and operating costs.

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NICKEL LATERITE - ON THE MOVE

- Mitsubishi purchases 33.4% Halmahera for US\$145M (Source: Reuters Feb 09)
- ♦ Sumitomo approves Coral Bay expansion (Source: SMMC)
- ◆ Sumitomo enters JV to proceed with Taganito Project Phillippines US\$1.3B (Source: SMMC)
- Ningbo Shanshan enters JV with Heron on Yerilla Nickel Cobalt Project (Source: Heron)
- Anglo says: Nickel demand recovery gathers momentum Nickel market needs 500,000t/y new capacity by 2020 (Source: Bloomberg)
- ◆ Nickel demand may rise to 1.35mt in 2010 (Source: INSG)
- ◆ 4 bidders expected for Ravensthorpe (Source: Mitsui)

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HERON SNAPSHOT

Listed on the ASX in 1996

Issued Shares	252.98M
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- ◆ Share Price \$0.33*
- Market Capitalisation \$82M
- Cash plus equities \$62M**
- Major Nickel Laterite projects in study phase
- Seeking project partner on Kalgoorlie Nickel Project
- Experienced Board and Senior Management
- Top Shareholders

•	BHP Billiton	13.0%
•	Inco Australia Holdings Pty Ltd	12.8%
•	Ningbo Shanshan Limited	4.8%

^{*}As at close of trade on ASX on 22/11/09

^{** \$27}M cash plus \$35M value of Polaris Metals NL stake on ASX

EXPERIENCED BOARD



Chairman, Craig Readhead

Managing Director, Mathew Longworth





Executive Director Strategy, Ian Buchhorn



Non Executive Director, Stephen Dennis



Non Executive Director, Ken Hellsten

THE PROJECTS

KNP

- Heron secured 100% ownership from Vale July 2009
- Re-estimation of resources completed
- Mining engineering work on revised resources optimising pits and schedule
- Commenced international partner search assisted by KPMG in Perth and Satori Investment in China as advisors

Yerilla Nickel Cobalt Project

- Agreement with Shanshan May 2009
- Shanshan constructing and commissioning Pilot Plant using segregation roast
- Piloting expected before year end
- Shanshan completed first tranche placement October 2009

COMPANY WIDE RESOURCES

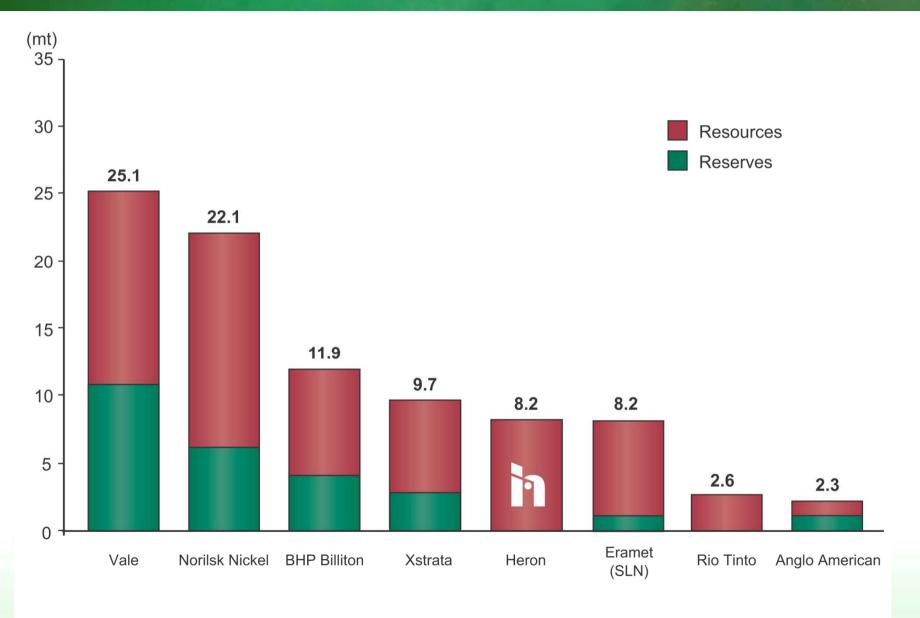
Mineral Resources based on 0.5% Ni cutoff

Prospect	Resource	Tonnes	Ni	Со
Group	Category	(mt)	(%)	(%)
	Measured	5.6	1.11	0.107
KNP	Indicated	256.2	0.81	0.051
KINE	Inferred	697.3	0.71	0.042
	Total	959.0	0.74	0.045
	Measured	3.9	0.94	0.048
Yerilla	Indicated	67.5	0.79	0.049
i Gilla	Inferred	63.9	0.73	0.056
	Total	135.3	0.77	0.052
Company total of 8.22mt of Ni and 0.506mt of Co		1099.9	0.75	0.046

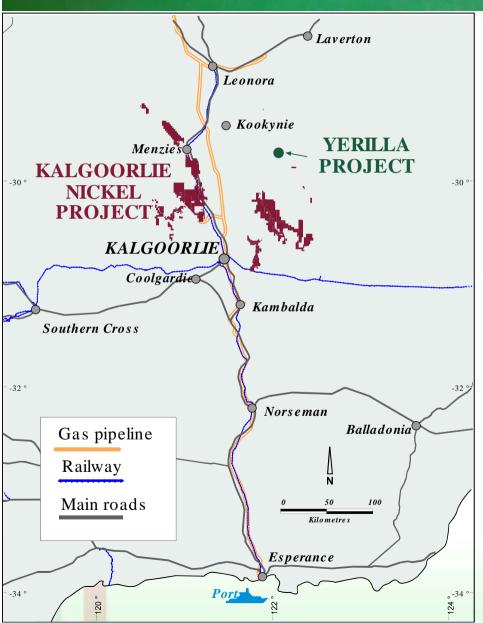
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WORLD NICKEL RESOURCES

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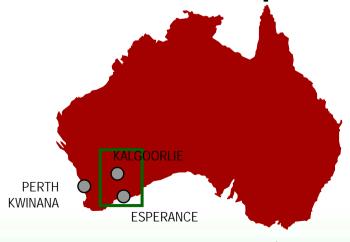


PROJECT LOCATION



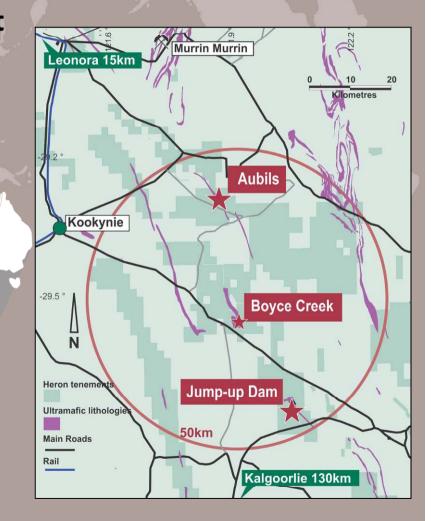
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- **◆ Infrastructure**
 - > Gas
 - **≻**Rail
 - **≻**Road
 - **Ports**
- Skilled labour pool



YERILLA NICKEL COBALT PROJECT

- Comprises of Jump-up Dam, Boyce Creek and Aubils resources 135mt at 0.77% Ni 0.05% Co
- JV with Shanshan Co Ltd May 2009
- Placement completed September 2009
- Extensive studies complete
 - Environment
 - Resources
 - Metallurgy
 - **♦** Infrastructure
 - Logistics



PILOTING AT SHANSHAN IN CHINA



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- Front end of Pilot Plant commissioned
- Construction of back end of Plant December 2009
- All key components in manufacture
- Piloting aims to determine:
 - Grade of ferro nickel product
 - Recovery of nickel and cobalt
 - Reagent and energy consumption
 - Emissions composition and volumes
- Feasibility Study



Rotary Kiln

KALGOORLIE NICKEL PROJECT PFS KEY POINTS

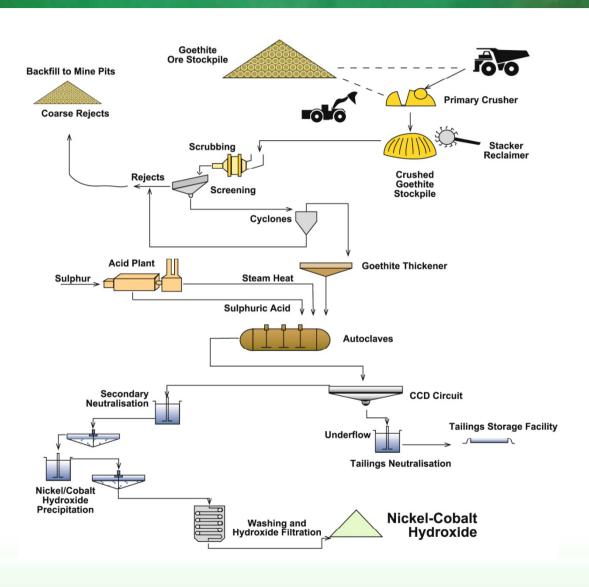
- Pressure acid leach selected through beneficiation and autoclave circuit
- Cash Operating Costs of US\$4.42 per pound
- Capital Expenditure of US\$1.5 Billion
- Low acid consumption of 280kg/t of leach feed
- Production of 23,000 tonnes pa average for 34 years – peaking at 36,000 tonnes pa
- Only 4 of 14 deposits considered by Vale delivering 134mt at 1.04% Ni leach feed
- Heron optimisation ongoing

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KALGOORLIE NICKEL PROJECT

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WHY THE KNP

- Resource base
- Low up front entry cost to a major project
 - Timing and rate of development
 - Manage construction and development cycle
 - Product selection
- Chinese construction opportunity manage capital costs
- Location

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- Kalgoorlie district as infrastructure and population
- Stable mining law and environment
- Low sovereign risk
- Learning from current generation projects
- Flexibility of operating and development options

NICKEL SUMMARY

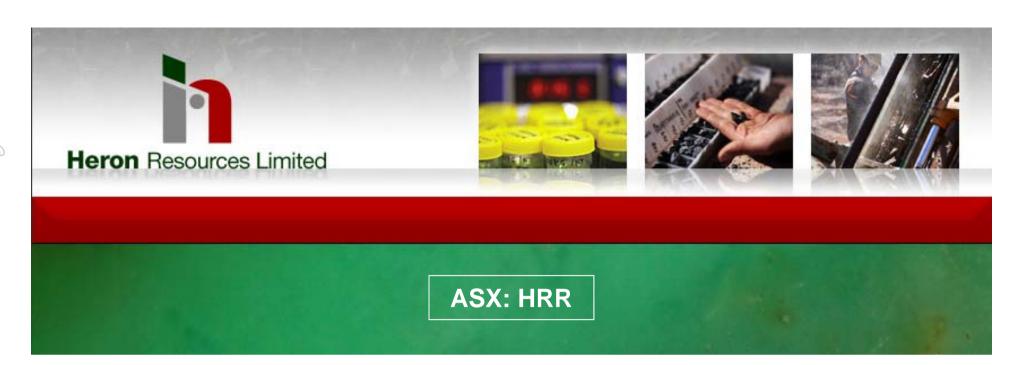
KNP

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