Journey to 100,000 Tonnes of Nickel

Presented by David Singleton, Managing Director & CEO

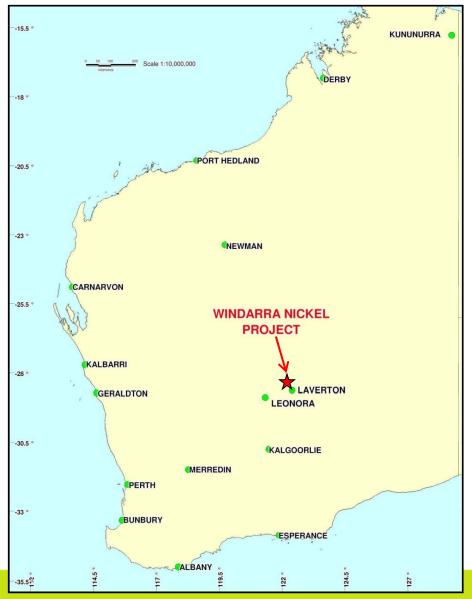
Annual General Meeting November 2009

POSEIDONNICKEL

Windarra

Historically Highly Prospective Region close to major towns and infrastructure





- Discovered in the late 1960's
- Premier location for nickel
- Processed up to 1 million tonnes of ore per annum, producing over 129,200 tonnes of nickel metal
- Closed in 1989 due to low historic nickel price
- Data reinterpretation
 Resource drilling
 Greenfields exploration

Windarra Nickel Project (WNP)

Exploration Summary



- WNP comprises 340km² of contiguous tenements covering 24km strike length of mineralised ultramafic rocks
- 447 drill holes for ~53km completed since Feb 2006
- \$20m spent on drilling & development
- Historically Western Mining Corp (WMC) completed
 15,180 driff holes for ~477km of drilling
- All WMC & POS drilling data has now been included in the database. This has enabled modern resource calculations to be completed & a detailed understanding of geological models to be developed

1 2 4 Scale 1:150,000 Milometes

Work over the last 2 years has resulted in a defined 6.28m tonnes of ore at 1.65% for 103,446t of nickel metal

WINDARRA NICKEL PROJECT: SULPHIDE RESOURCE STATEMENT

	Cut Off Grade	Resource Category									
Windarra Nickel Project Sulphides		Indicated			Inferred			TOTAL			
		Tonnes	Ni% Grade	Ni Metal t	Tonnes	Ni% Grade	Ni Metal t	Tonnes	Ni% Grade	Ni Metal t	
Mt Windarra	0.75%	1,017,429	1.24	12,578	2,751,087	1.79	49,185	3,768,516	1.64	61,764	
South Windarra	0.90%	820,326	1.15	9,434	82,404	1.05	864	902,730	1.14	10,298	
Cerberus	1.50%				1,033,328	2.45	25,269	1,033,328	2.45	25,269	
					2.077.010	1.05	<i>EE</i> 210				
Total Sulphide		1,837,755	1.20	22,012	3,866,819	1.95	75,318	5,704,574	1.71	97,331	

WINDARRA NICKEL PROJECT: OXIDE RESOURCE STATEMENT

Windarra Nickel Project Oxides	Cost	Resource Category									
	Cut Off Grade	Indicated			Inferred			TOTAL			
		Tonnes	Ni% Grade	Ni Metal t	Tonnes	Ni% Grade	Ni Metal t	Tonnes	Ni% Grade	Ni Metal t	
Woodline Well	0.75%				266,382	1.38	3,676	266,382	1.38	3,676	
South Windarra Dumps	0.50%	311,312	0.78	2,439				311,312	0.78	2,439	
Total Oxide		311,312	0.78	2,439	266,382	1.38	3676	577,694	1.06	6,115	

Note: The information in this Presentation relates to Exploration Results and Mineral Resources based on information compiled by Mr N Hutchison who is a Member of The Australian Institute of Geoscientists. Mr Hutchison has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' He has consented to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

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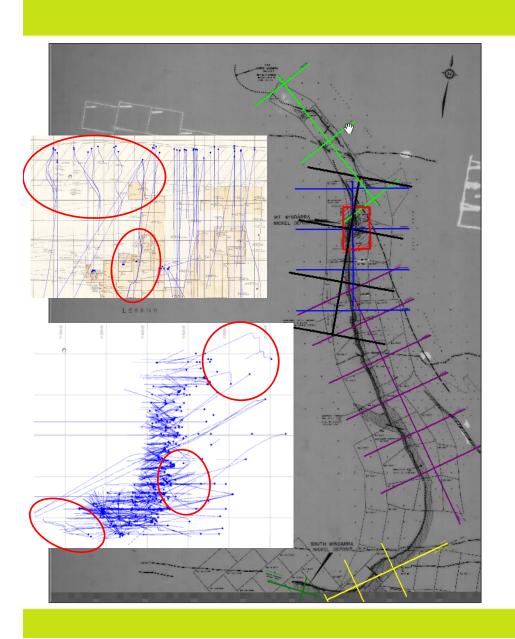
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Mining the Historical Database

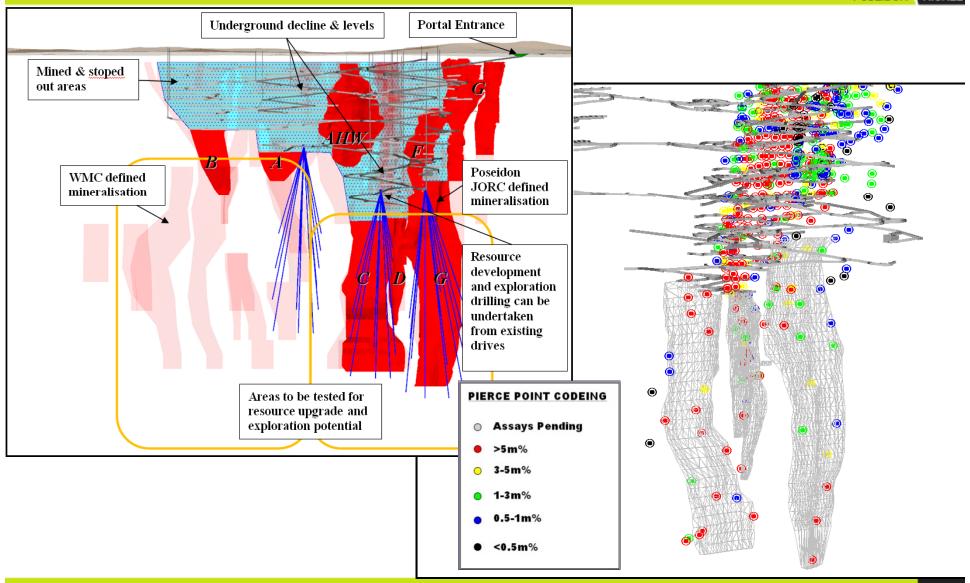




- Have produced digital models of underground, resource
- Corrected the multiple grid systems used over years
- Reinterpreted multiple rock codes used
- Accurate resource understanding has revealed potential

12 Months Drilling & Data Reinterpretation Resulted in 61,764 tonne Nickel Resource

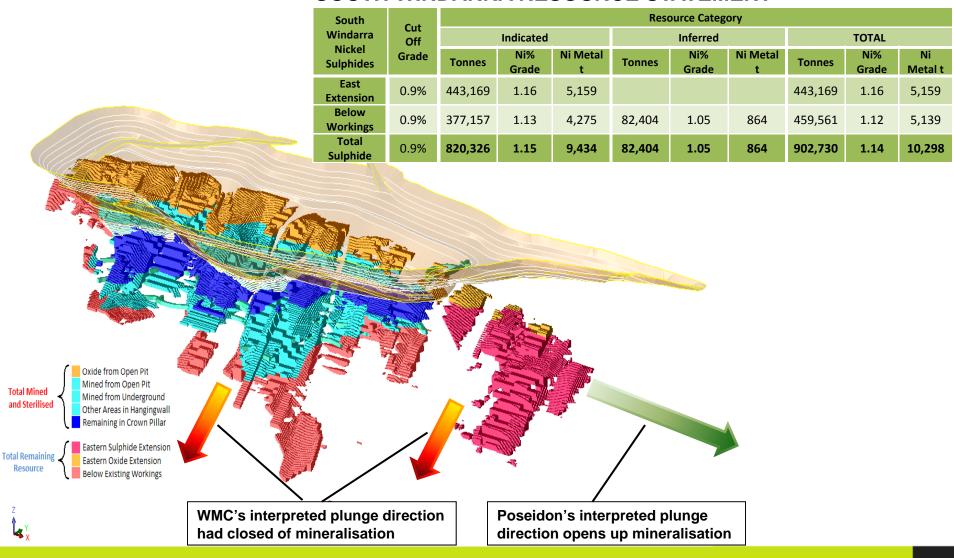




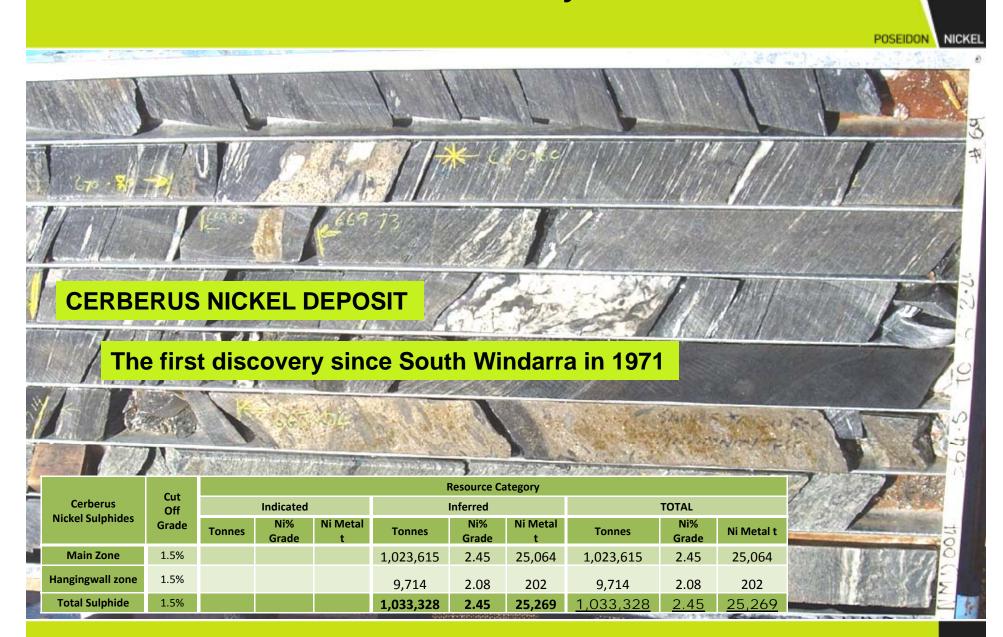
South Windarra - Detailed Resources



SOUTH WINDARRA RESOURCE STATEMENT



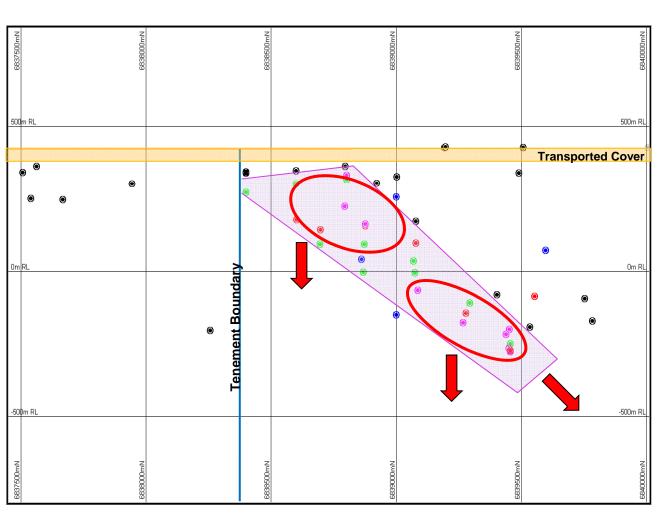
Cerberus- A Greenfields Discovery



Cerberus Long Section



- Cerberus deposit is higher grade @
 2.45% Ni
- Its open in 3 directions
- 2 higher grade pods exist
- Grade increases with depth
- Drilling is wide spaced & requires infilling
- Potential exists to increase resource size & quality



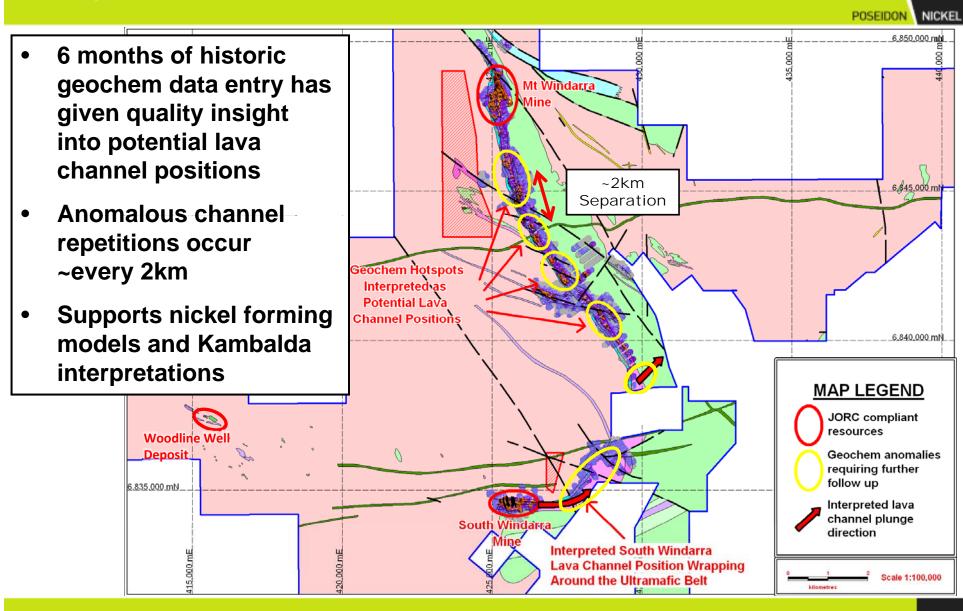
Windarra Nickel Project

Exploration Potential

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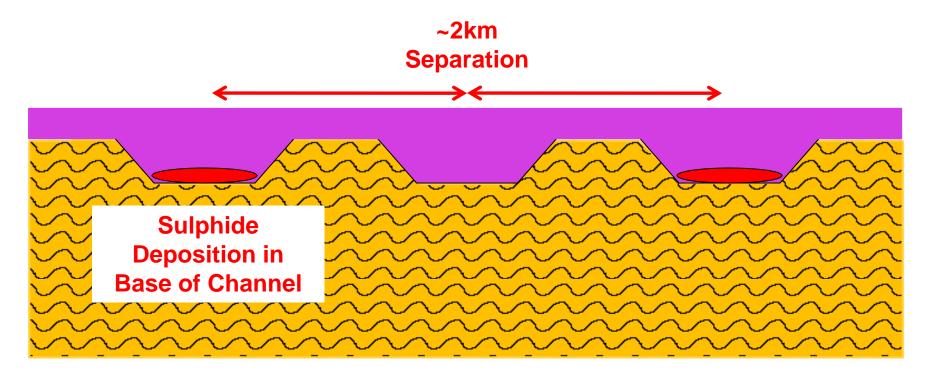
Geochem and lava channel modelling

Driving the discovery of new resources



Lava Channel Formation on Sea Floor provides basis for ore body separation



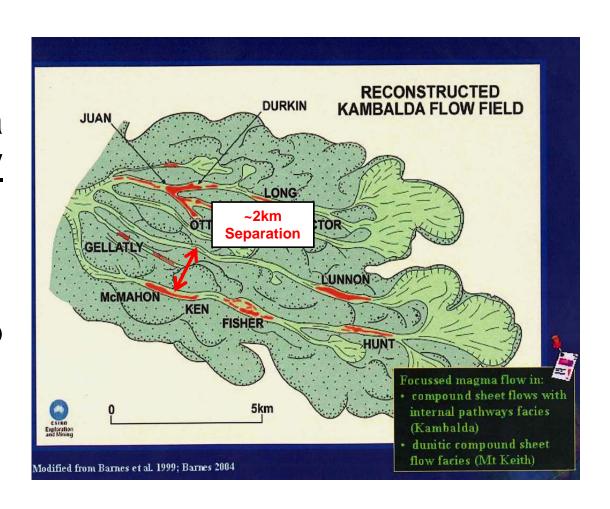


- Not all channels will contain Ni sulphide deposits
- Deposits develop in all shapes and sizes

WNP Tenements have Significant Exploration Potential

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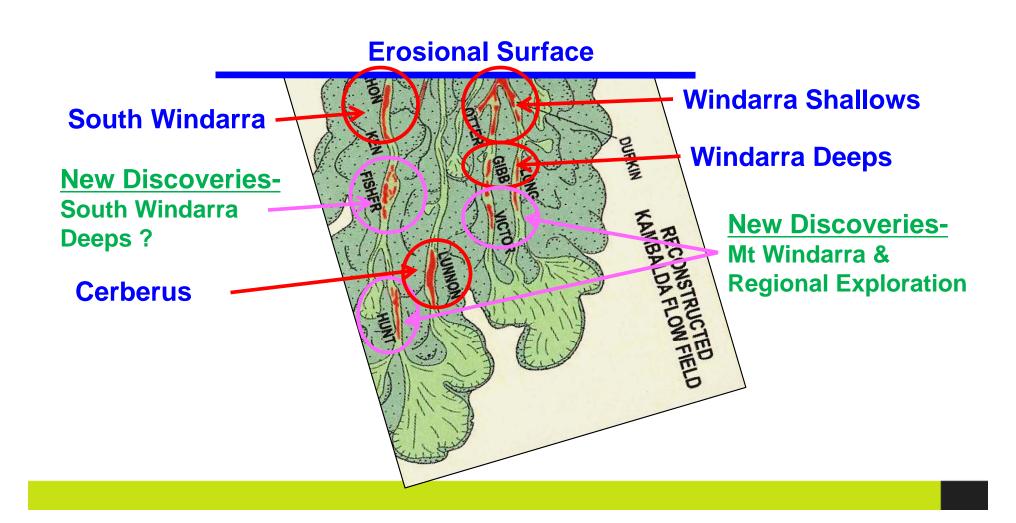
- Recognition of Lava Channels is the <u>key</u> to success
- Poseidon believes that more blind deposits are yet to be discovered

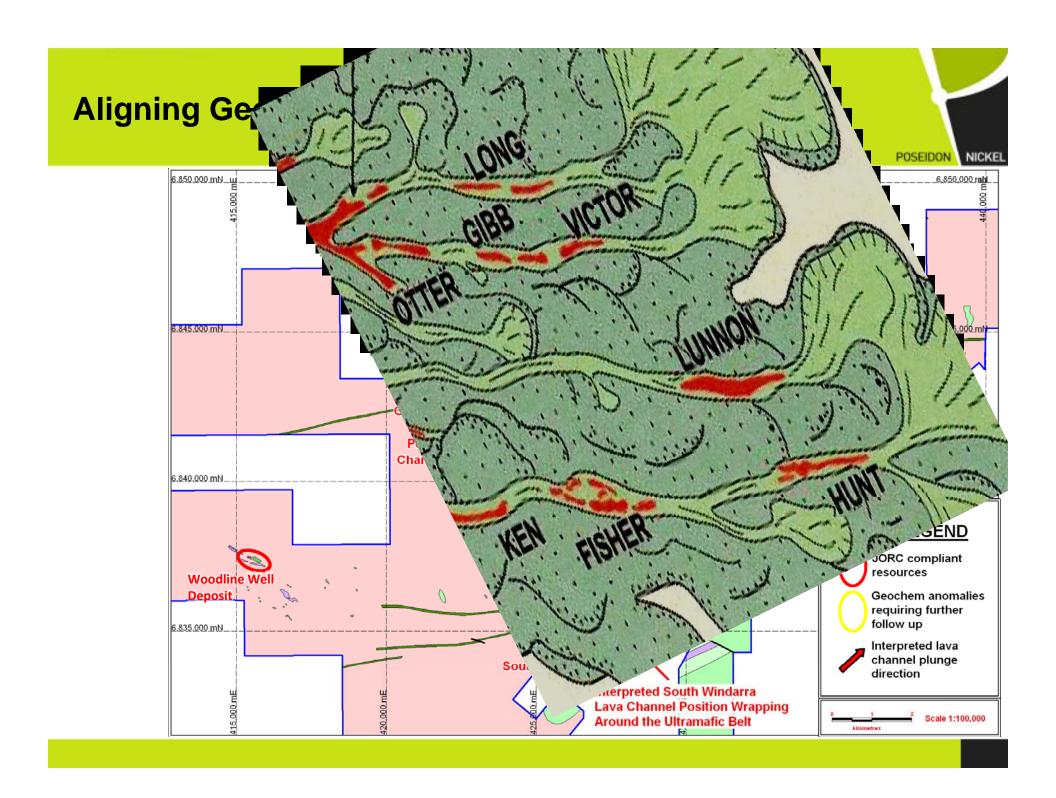


Kambalda vs Windarra

Applying the "Cabbage Leaf Model"

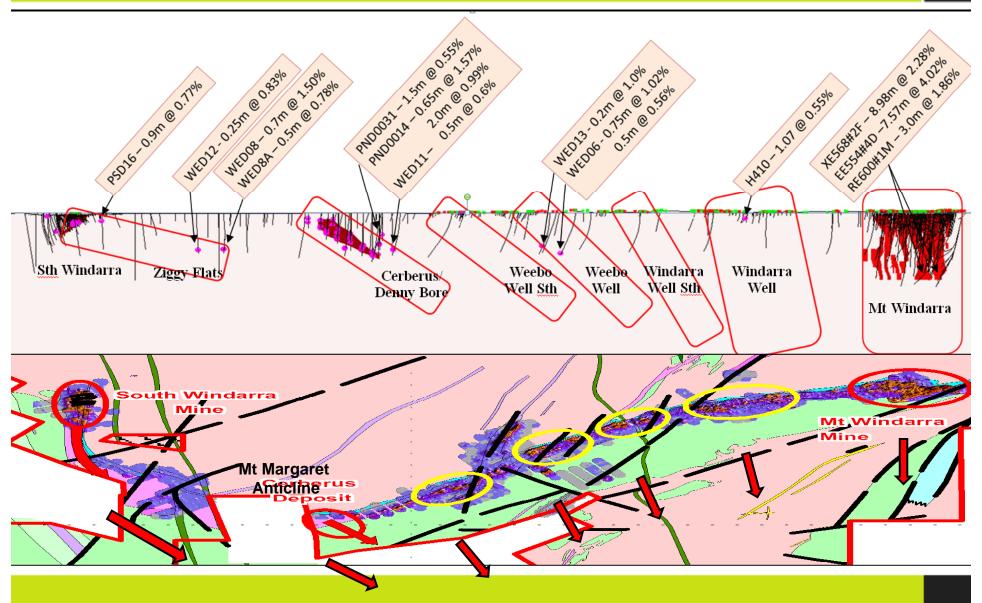






Other positions show similar characteristics to Cerebus

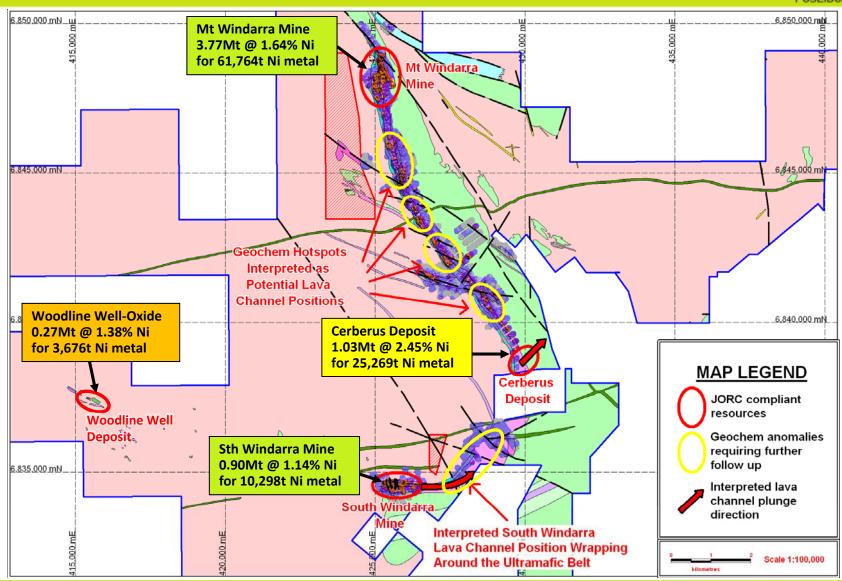
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Windarra Nickel Project

Massive Resources Potential

POSEIDON NICKEL



Windarra Nickel Project

Mine Refurbishment

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Underground decline at Mt Windarra has been partially refurbished to allow mining to recommence

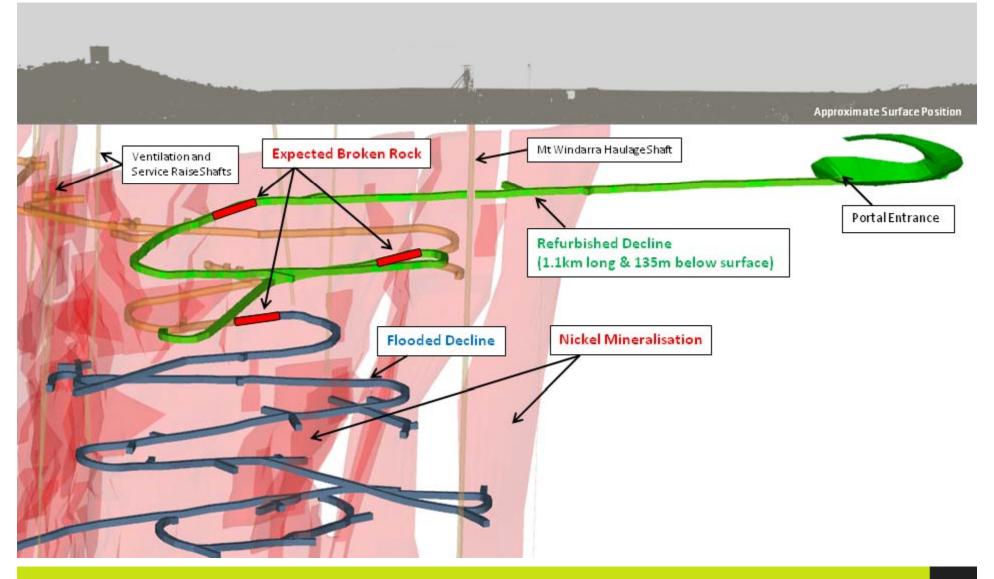
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- All Licences received
- 1.5m tonnes of Water removal underway
- Refurbishment of over 1km of underground now complete
- Ground and steel sets in good condition on main decline
- Refurbishment stopped in Oct 08 as primary objective to offset potential risks met



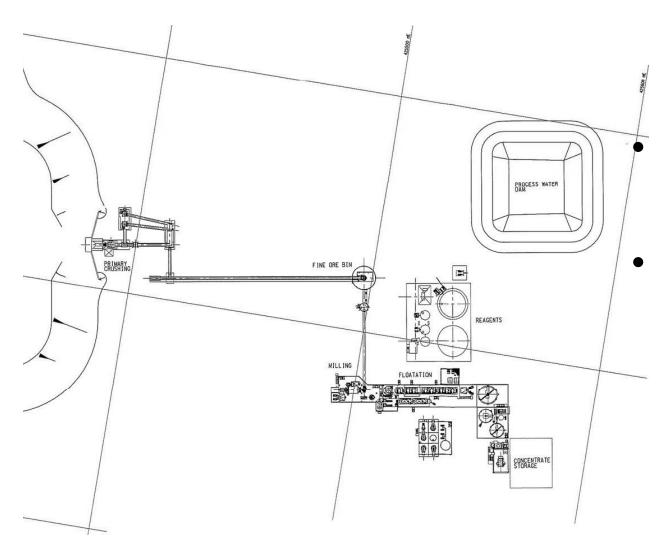
Refurbishment has eliminated high risk zones and proven decline viability to recommence mining





Poseidon has completed the necessary prefeasibility and material test work on the project





Completed by GR Engineering in 2008

Original concept was for a one million tonne per annum plant with initial 350,000 tonne per annum capacity

Testwork completed as part of the prefeasibility





Additional metallurgical testing to augment historical practice.

Next Steps



- Progress funding options
- Extend Cerberus deposit
- Drill target zones
- Update feasibility studies for increased output

Journey to 100,000 Tonnes of Nickel **Questions?** POSEIDONNICKEL