PAYDIRT'S BATTERY MINERALS CONFERENCE

"Turning Nickel into Dime's...
or maybe \$\$\$'s"

JOE BELLADONNA | 6 April 2022



AGENDA

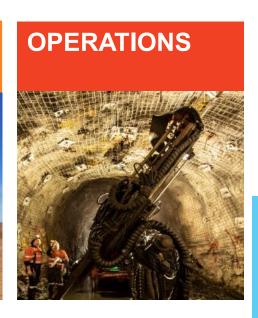








EXPLORATION



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The information within this PowerPoint presentation was compiled by Western Areas management, but the information as it relates to exploration results, mineral resources or ore reserves was prepared by Mr Graeme Gribbin, Mr Andre Wulfse or Mr Marco Orunesu-Preiata respectively. Mr Gribbin, Mr Wulfse and Mr Orunesu-Preiata are full time employees of Western Areas Ltd. Mr Gribbin is a member of Australian Institute of Geoscientists (AIG). Mr Wulfse is a Fellow of Australian Institute of Mining and Metallurgy (AusIMM) and Mr Orunesu-Preiata is a member of Australian Institute of Mining and Metallurgy (AusIMM) and have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (2012 JORC Code). Mr Gribbin, Mr Wulfse and Mr Orunesu-Preiata consent to the inclusion in this presentation of the matters based on the information in the form and context in which it appears.

This announcement is authorised for market release by Western Areas Limited Managing Director and CEO, Daniel Lougher.

Western Areas Registered Office: L2, 2 Kings Park Road, West Perth, 6005, Australia

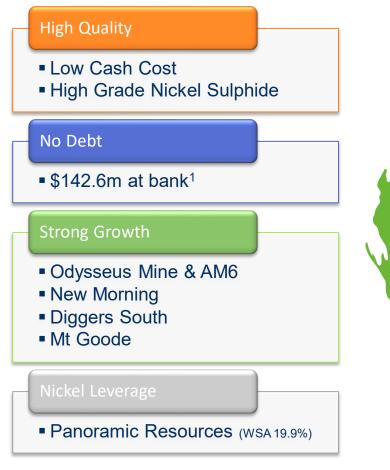


CORPORATE



Corporate overview

"The Company aims to be a sustainable and profitable, nickel focused, base metal miner, building value and scale while maintaining financial strength"





1. As at 31 December 2021 5

Western Areas, are safe areas

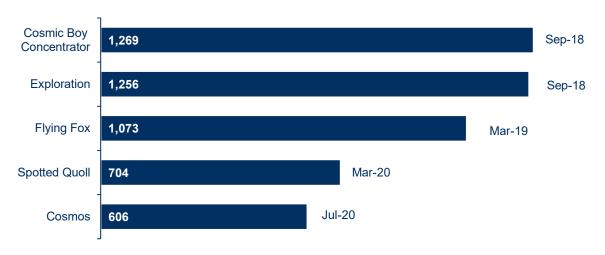








Days LTI free



12 month LTIFR moving average



Environment Social Governance







Environment

- Zero Major environmental incidents
- Transparency & Disclosure (ESG report, CDP, transition to TCFD and SASB)
- Published Climate Change Statement
- Third party verification of Scope
 1 & 2 emissions
- Climate change integration of risks and opportunities into strategy
- Renewable power project for Cosmos
- Sustainable Nickel story low carbon NSP



Social

- LTIFR now at zero
- Cultural Awareness Training
- Maintain relationship with Tjiwarl Aboriginal Corporation and commenced Mining Agreement negotiations
- Engagement with numerous other traditional owner groups
- Teamed up with Performex WA to provide employee Wellness Program
- COVID-19 Management Plan



Governance

- Annual Modern Slavery Statement published
- Increased diversity of the Board of Directors to 40% NED
- Reviewed and updated key policies such as Code of Conduct & Whistleblower Policy
- Comprehensive Risk Management Program



Why a hoisting shaft? The world wants green nickel

- Significant economical and environmental benefits versus trucking
- Combined with renewable power = energy efficient site, 85% reduction in CO₂
- Low, consistent opex and proven technology
- Cycle time: ~3 mins
- Save 1.5 ML diesel burnt pa (DPM)
- Remove 5 MW of heat generated from diesel engines
- Remove minimum 200m³/s of additional ventilation requirement

Key Metrics:

- 5.7m diam, raise bore
- 4 guide ropes per conveyance
- 1.27Mtpa (ore and waste)
- 12 t skips
- 1 truck required to feed shaft
- 4.5 MW peak power



NICKEL MARKET

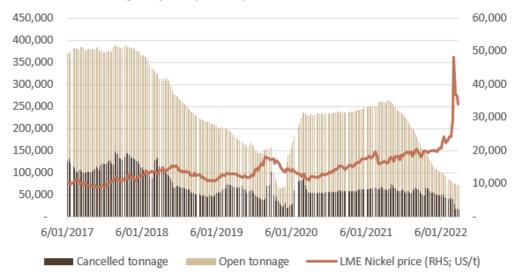


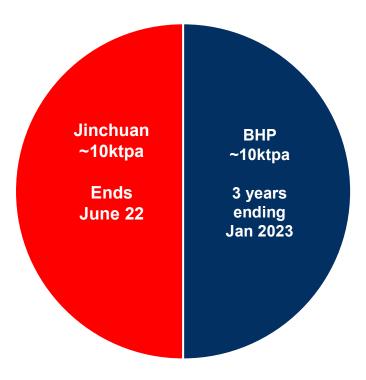
Offtake contracts best in class

Current contracts executed with strategic partners "Best in Class"
Our Partners:

- BHP: 50%
 - Australia's largest nickel producer
 - Building a nickel sulphate plant in Kwinana Western Australia
- Jinchuan: 50%
 - China's largest nickel cathode producer
 - Direct feeder of the Chinese nickel sulphate market
 - Recently extended to 30 June 2022

LME Nickel inventory vs. price (t; US\$/t)





Discussion ongoing with offtake parties that are linked to the Electric Vehicle, battery pre-cursor sector for future MREP production of high grade, premium nickel sulphide and potential for Odysseus concentrate to feed this market.

Source:SMM

New Odysseus concentrate offtake – timing is good!

- Tender process ongoing for the initial (2yr), uncontracted
 Odysseus concentrate. Quality offtaker shortlist created with excellent response received from the market
- Strong market environment for sustainable, nickel sulphide concentrates, with OEM concerns on emerging nickel deficits (ie Tesla Inc locking in Offtake with BHP, Vale, expecting more)
- South Korea and Japan moving "faster" to consolidate future offtake contracts. Potential to build new smelter and hydrometallurgical plants
- We may see changes in traditional "smelter short term" to LOM contracts, with improved commercial terms and potential downstream benefits
- Majors active in Ni assets M & A

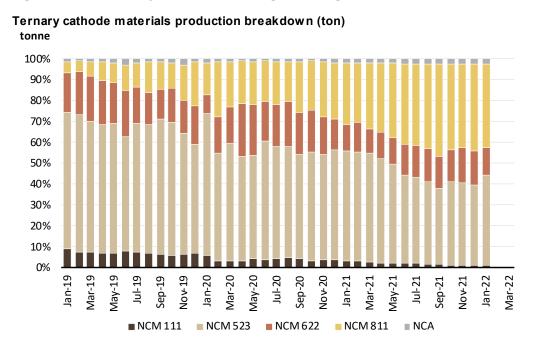
Estimated electrification impact per vehicle (avg NMC battery)

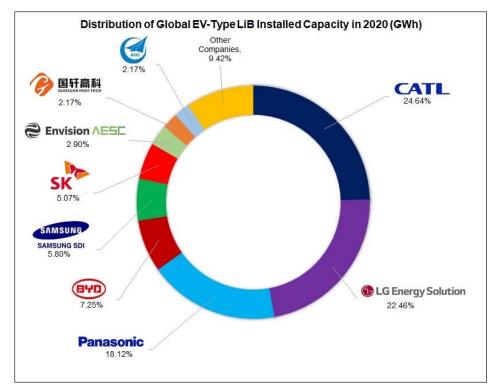




Battery market

- Battery producers currently dominated by China, South Korea and Japan
- USA / Europe starting to positioning for supply –
 Looking abroad to find critical battery metals
- Technology change to NCM 811 which requires higher quantity of nickel, gaining market momentum



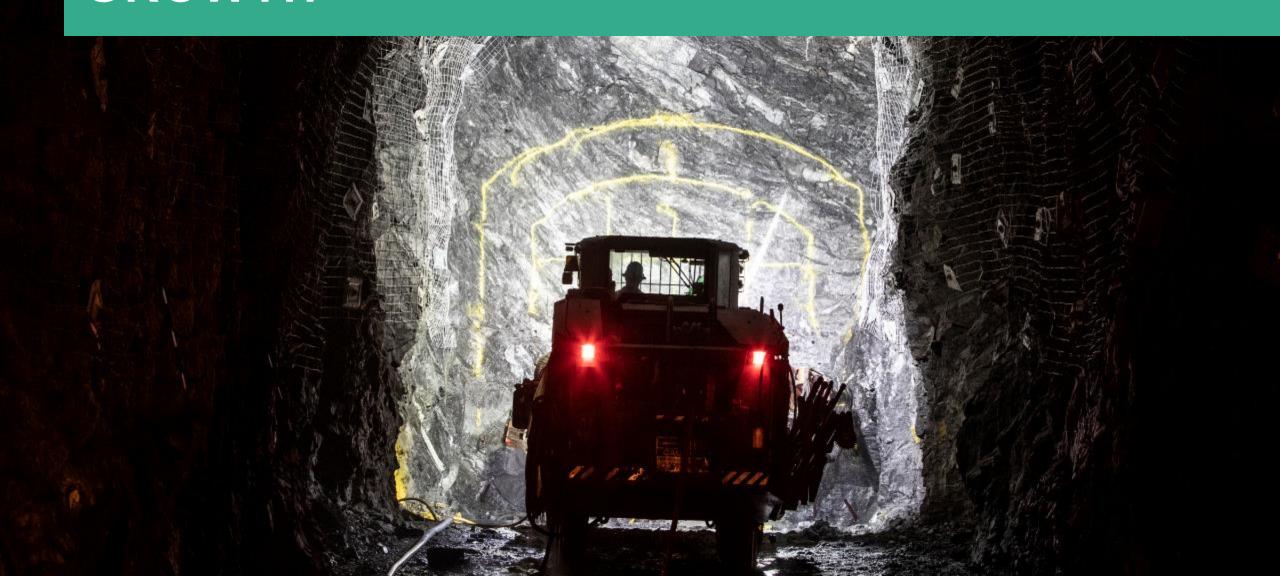


Source: Golden Dragon Capital Ltd

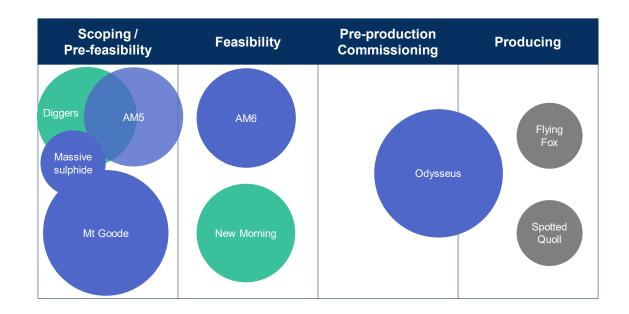
Source:ICCSINO



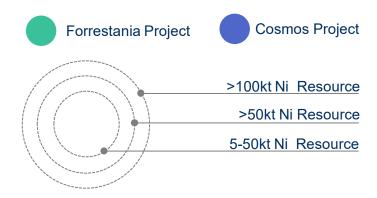
GROWTH



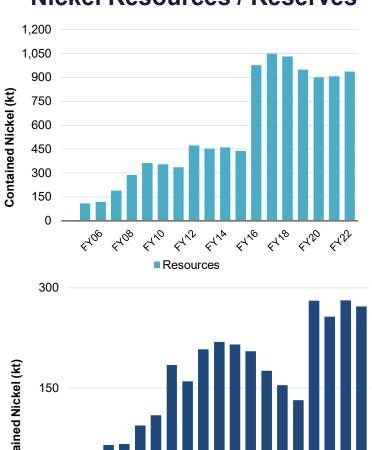
Nickel growth pipeline

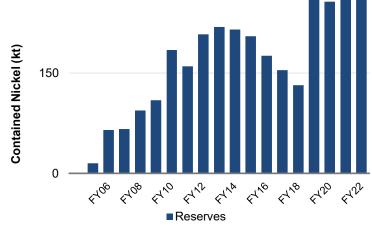


- Many projects in the pipeline to drive nickel production well into the future
- Ore Reserves have substantially increased in FY19 with Odysseus and in FY21 with the addition of AM6



Nickel Resources / Reserves







Key resources

Area	Resource (All JORC 2012)	Measured		Indicated		Inferred		Total		
		Tonnes	Grade Ni %	Ni Tonnes						
Forrestania										
Forrestania Area	Spotted Quoll ¹			604,584	6.2	146,678	5.0	751,262	6.0	44,826
	Flying Fox High Grade ¹			807,687	4.4	259,568	1.5	1,067,255	3.7	39,021
	New Morning Massive Zone ¹			340,126	3.3	78,067	3.9	418,193	3.4	14,249
Total Key Forrestania	a Mineral Resource			1,752,397	4.8	484,313	2.9	2,236,710	4.4	98,096
Cosmos										
Cosmos Area	Odysseus South ¹			4,016,949	2.1	219,641	2.0	4,236,590	2.1	89,069
	Odysseus North incl. Massive ¹			3,199,049	2.8	350,148	5.7	3,549,197	3.1	110,083
	AM6 ¹			2,889,733	2.1	118,518	1.4	3,008,251	2.0	61,115
	AM5 ¹			1,449,751	2.0	1,832,451	2.2	3,282,202	2.1	68,795
	Cosmos Area Sub Total			11,555,482	2.3	2,520,758	2.6	14,076,240	2.3	329,062
Mt Goode Area ¹		13,563,000	0.8	27,363,000	0.6	12,009,000	0.5	52,935,000	0.6	326,943
Total Key Cosmos M	lineral Resource	13,563,000	0.8	38,918,482	1.1	14,529,758	0.9	67,011,240	1.0	656,005
Total Key WSA Mir	neral Resource	13,563,000	0.8	40,670,879	1.3	15,014,071	1.0	69,247,950	1.1	754,101

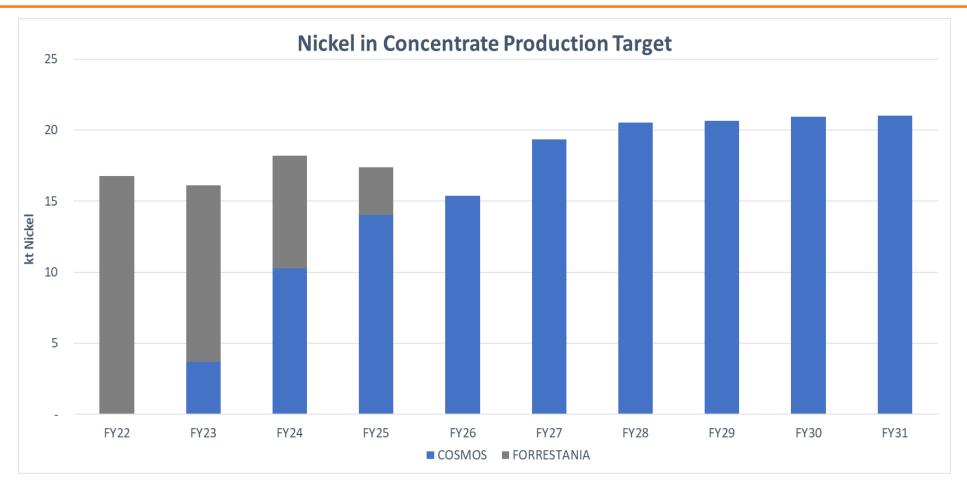
Note: Mineral Resources are reported inclusive of Ore Reserves. Figures have been rounded and may not add up to totals.

Note: Key Resources table excludes Flying Fox and Lounge Lizard Disseminated Zones, New Morning Daybreak Disseminated Zones, Beautiful Sunday, Cosmic Boy Area and Diggers Area.

¹ Please refer to Western Areas' December 2021 Quarterly Activities Report released on 27 January 2022 at www.asx.com.au for detailed figures on Western Areas current Ore Reserve and Mineral Resource Statement. For further details on JORC (2012) Table 1 details please refer to Western Areas' December 2021 Quarterly Activities Report released on 27 January 2022 at www.asx.com.au.

^{*} Western Areas confirms that it is not aware of any new information or data that materially affects the information included in these announcements and that all material assumptions and technical parameters underpinning the estimates in the announcements continue to apply and have not materially changed. Western Areas confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original announcements.

10yr production profile



Graph data source:

Forrestania production targets based on Spotted Quoll and Flying Fox ore reserves. Refer to "June 2021 Quarterly Report" announcement

Cosmos production targets based on Odysseus and AM6 ore reserves. Refer to "Strong Odysseus DFS results in Decision to Mine," dated 22 October 2018 and "Maiden Ore Reserve at AM6 Boosts Odysseus Base Case," dated 2 September 2020 announcements

Cosmos Mill upgraded to 1.1Mtpa from FY27 onwards





Cosmos nickel operation

WESTERN AREAS' SECOND OPERATIONAL HUB:

- Outstanding nickel address
- Total Mineral Resource of 67Mt @ 1% nickel for 656k tonnes of nickel (Inc. Mt Goode)
- Total Ore Reserves of 211k tonnes of nickel @ 2.1%
- Strategically located between Nickel West's Leinster and Mt Keith mines
- Established infrastructure





Odysseus mine – a long life, low cost project, 10yrs +

Odysseus - Long life, low cost project:

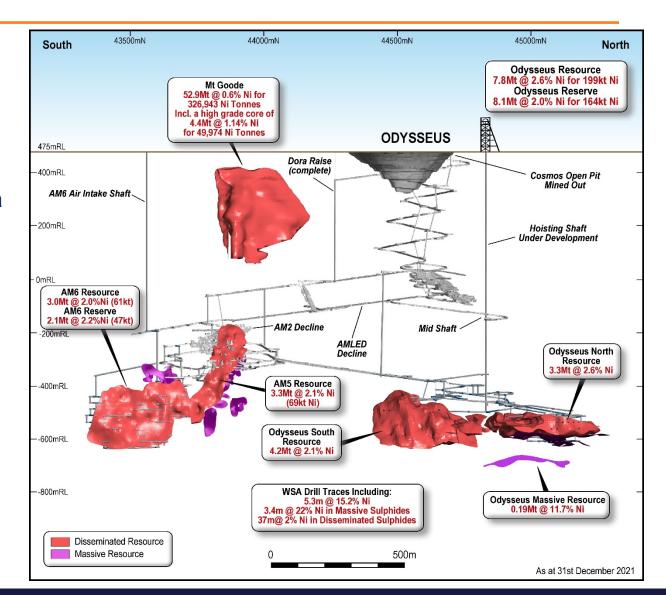
- ✓ Ore Reserve 8.1mt @ 2.0% for 164kt nickel
- ✓ Mine life > 10 years
- ✓ Attractive AISC
- Average nickel in concentrate production 14.5ktpa from FY24

AM6 now a value add:

- ✓ Ore Reserve 2.1mt @ 2.2% for 47kt nickel
- ✓ Additional 5ktpa nickel in concentrate from FY27
- ✓ 211kt of nickel in combined Ore Reserves, increasing mine life and capital efficiency

Significant upside:

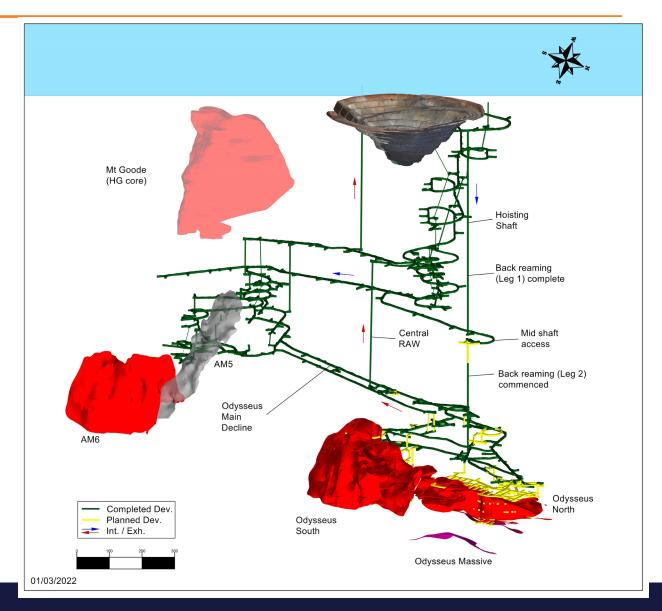
- ✓ Follow up drilling commenced on the 22% Ni massive sulphide lenses below Odysseus
- ✓ Open mineralisation south of AM6



Odysseus mine – underground development progress

Pre-production Activities:

- ✓ Winder house construction completed, electrical fit out nearing completion
- ✓ Odysseus capital development advanced 7.3km
- ✓ First ore mined at Odysseus South
- ✓ Back reaming (5.7m D) complete, Leg 2 back reaming is close to complete, shaft fit out to commence in April
- ✓ Pre-production mine development capex expenditure profile:
 - FY22 A\$160m; FY23 A\$55m
- ✓ WSA is fully funded with cash and agreed debt facilities



Infrastructure works gaining momentum





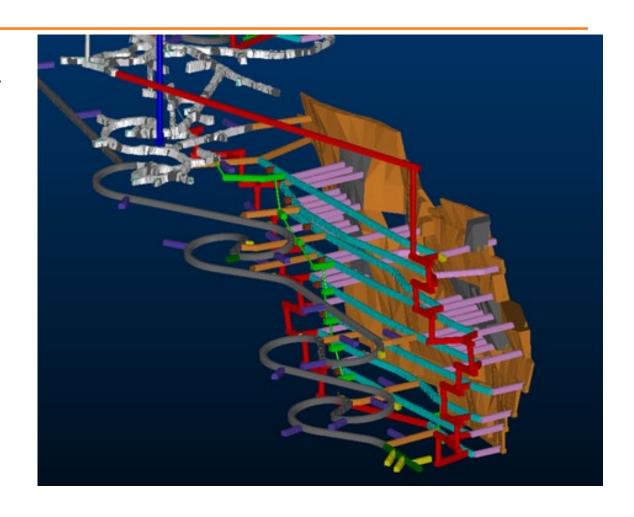
AM6 Feasibility

Feasibility study

- Very advanced remaining ventilation and hydrology work
- Improved mill recoveries from recent metallurgical work
- Ore reserve 2.1mt @ 2.2% for 47kt nickel
- Integration into the Odysseus production schedule
- Increase mill capacity to 1.1Mtpa

Planned mining

- Access from existing decline
- Utilises Odysseus shaft for ore haulage
- LHOS and paste fill
- Top down-centre out mining sequence

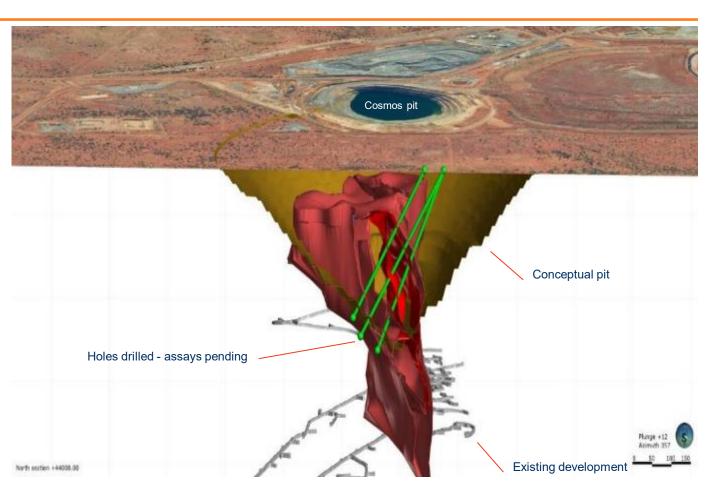


Mt Goode scoping study underway

Resources	Tonnes (Mt)	Grade (Ni %)	Ni Tonnes (kt)
Measured	13.6	0.8	105.8
Indicated	27.4	0.6	158.7
Measured + Indicated	40.9	0.7	264.5
Inferred	12.0	0.5	62.4
TOTAL	52.9	0.6	326.9

Scoping Study:

- Mining Scoping Study UG & OP
- Conventional truck and shovel open pit preferred mining option
- ~ 4Mtpa of ore
- Geo-metallurgical surface drilling completed, assays and recovery test work commenced

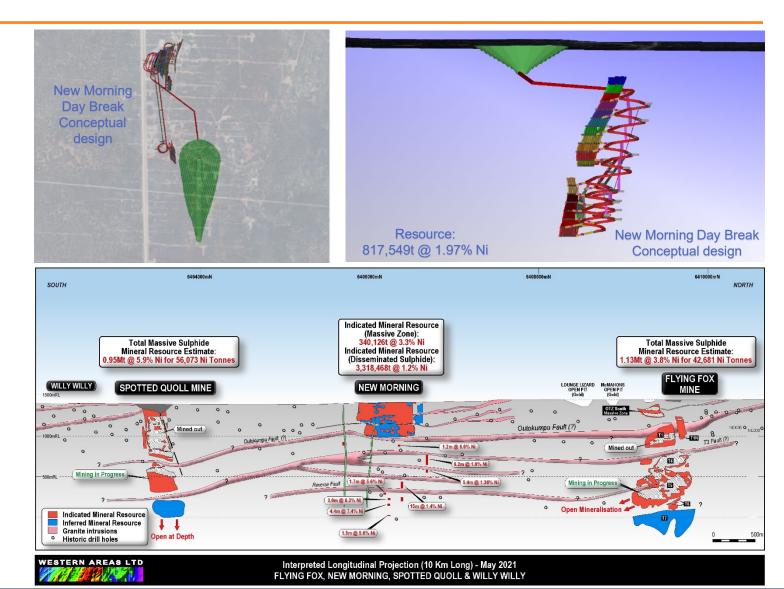




FNO growth opportunities

WESTERN AREAS' CURRENT OPERATIONAL HUB:

- Outstanding nickel address
- Total Resources of 307k tonnes of nickel
- Mining since 2005
- Established infrastructure
- Two operating mines Flying Fox and Spotted Quoll
- New projects commissioning:
 - Scats Heap Leach
- Strong upside potential:
 - New Morning Daybreak
 - Diggers South



MREP unlocks value – mill scats heap leach project

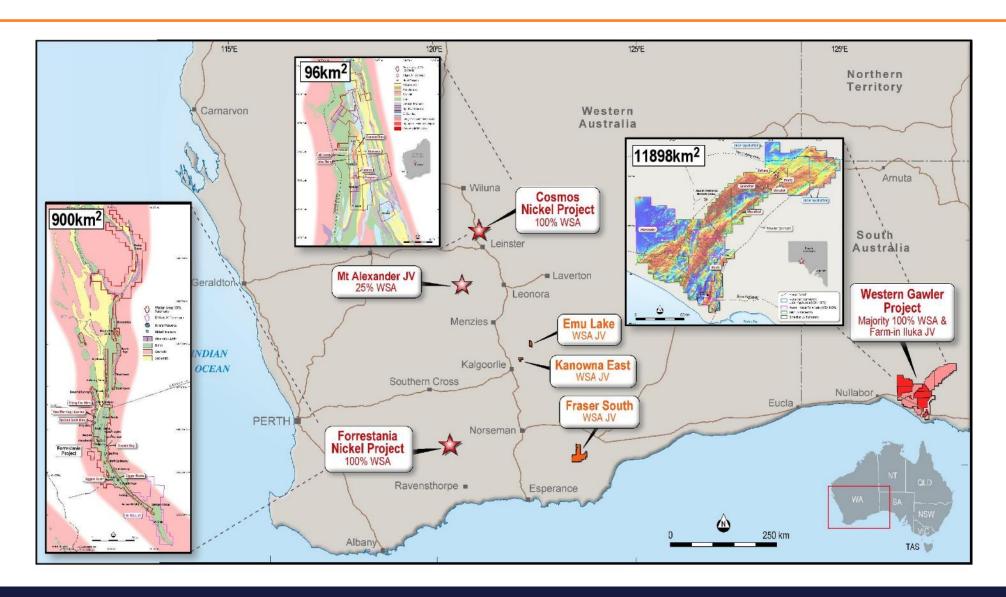




EXPLORATION



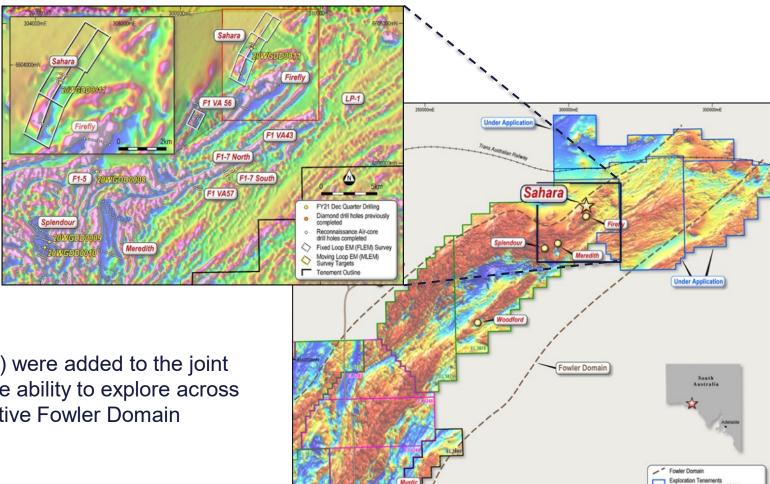
Exploration - key tenement holdings





Western Gawler project (South Australia)

- Exploring within the highly prospective (Ni – Cu) Fowler Domain, with geological setting similar to districts hosting Nova-Bollinger and Nebo-Babel and Eagle Deposit (Michigan).
- Significant accumulations (over 250m) of nickel and copper bearing sulphides intersected within first diamond drill hole at the Sahara prospect (Iluka JV – WSA 75% interest).



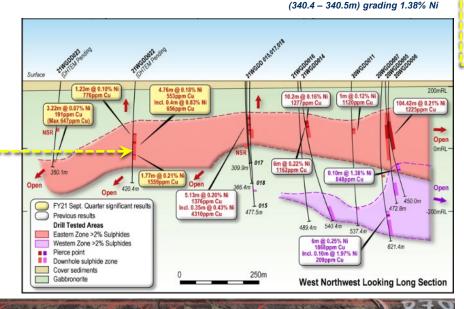
- An additional three tenements (2378km²) were added to the joint venture, which will allow the company the ability to explore across a total 11,898km² of contiguous prospective Fowler Domain tenure.
- Numerous interpreted intrusive targets for ongoing testing throughout FY22 including Sahara, Firefly, F1-7 North, F1-7 South and Mystic.

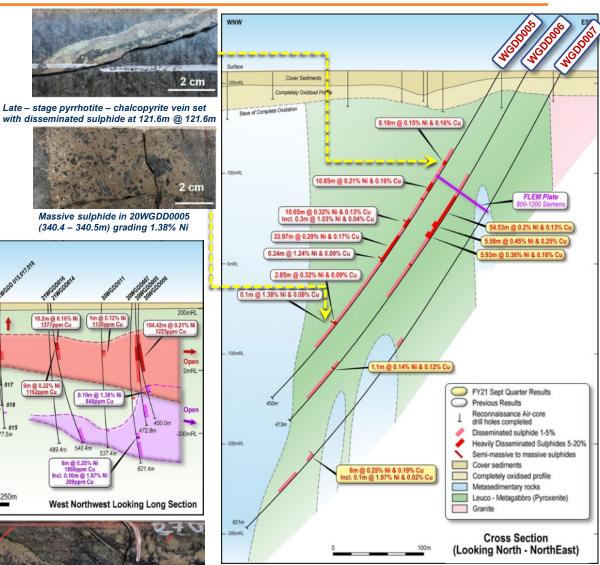


Western Gawler project (South Australia)

SAHARA (ILUKA JV) EARLY RESULTS

- Broad intervals of elevated nickel sulphides returned from maiden diamond hole.
 - ✓ 104.42m @ 0.21% Ni, 0.12% Cu including 33.97m @ 0.29% Ni, 0.17% Cu (within WGDD0005)
- Additional Ni-Cu accumulations from follow-up drill holes including
 - 5.58m @ 0.45% Ni and 0.25% Cu (within WGDD0006); and
- The FY22 drilling campaign is well advanced, designed to delineate the along strike prospectivity of the Sahara intrusive to the south.
- 9 holes completed to date
- Elevated accumulations of disseminated (>2%) sulphide now intersected in excess 750m along strike
- 0.4m thick (60%) sulphide zone in 21WGDD0022 (pyrite, pyrrhotite, pentlandite)





2 cm

Late - stage pyrrhotite - chalcopyrite vein set

Massive sulphide in 20WGDD0005

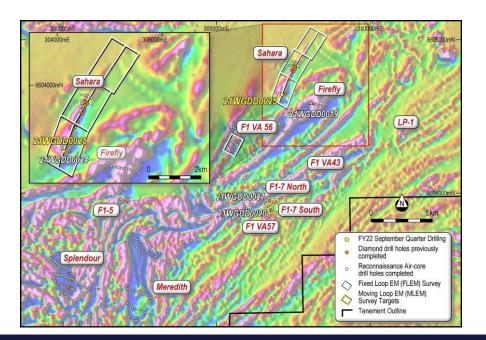
Western Gawler project (South Australia)

FORWARD PLAN

Recent drilling has solidified the Company's view that the broader Sahara – Firefly district has the potential to host a large-scale deposit. Upcoming works to further unlock the potential of this area include:

- Completion of Downhole EM surveys within all remaining Sahara drill holes
- Commencement of a regionally extensive Magnetotelluric (MT) survey to assist in regional exploration targeting across the broader Sahara project area.



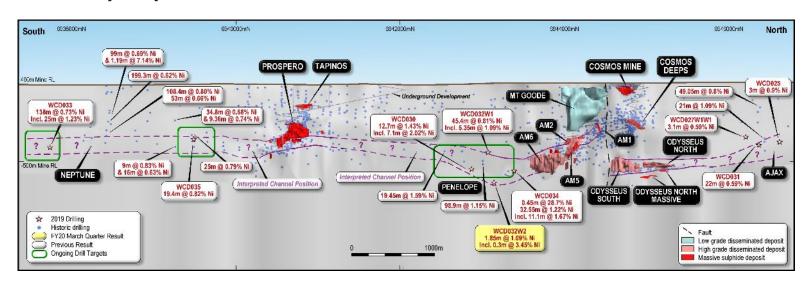


 Regionally extensive air core drilling program completed into the March 2022 quarter, designed to test numerous high-priority geophysical and geochemical anomalies across the broader Sahara – Firefly district.

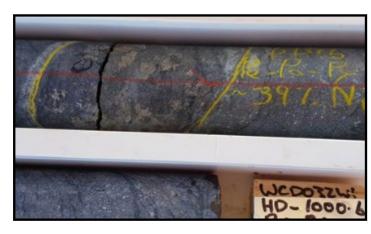


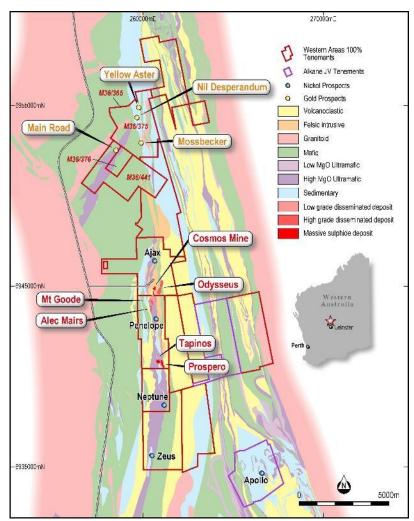
Cosmos nickel exploration

> 9km of prospective host rocks



- Centred within the prolific Leinster Wiluna Nickel corridor
- Significant exploration upside identified along 9km of prospective ultramafic host sequence
- Recent underground exploration drilling completed with mineralisation identified south of the Alec Mairs (AM6) resource confirmed.
- Future underground drilling will aim to unlock the full potential south of AM6

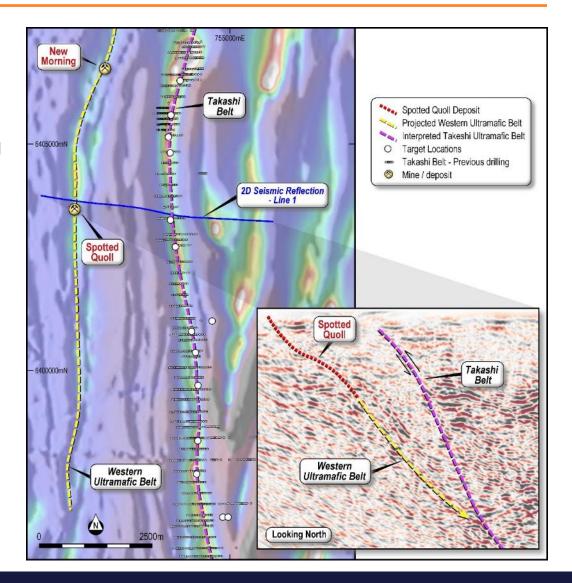




Forrestania

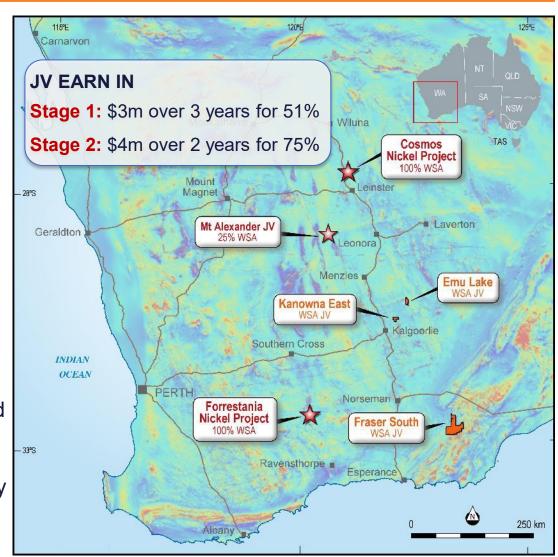
NEW EXPLORATION TARGETS IDENTIFIED

- A Series of 2D Seismic survey lines were completed in September 2020 west and north of Spotted Quoll Mine
- The southernmost line (Line 1) extended 9.5km, imaging key structural and stratigraphic features within the Western Ultramafic Belt (WUB) and the Takashi Belt to the east
- A new structural interpretation from this seismic profile, suggests the Takashi Belt represents a thrust repeat of the fertile Western Ultramafic Belt
- A targeted RC drilling program was completed in July 2021, testing this underexplored new target area, with numerous ultramafic intervals intersected. Fertile ultramafic units encountered with follow-up drilling planned into early FY23



Metal Hawk JV

- Western Areas has entered into a strategic partnership with Metal Hawk Ltd on highly prospective base metals tenure within both the Eastern Goldfields and Albany – Fraser
- Kanowna East (earning in to all non-gold rights)
 - ✓ 10km south of high-tenor Silver Swan complex
- Emu Lake (earning in to all non-gold rights)
 - √ Along strike from Binti Binti Nickel prospect
- Fraser South (earning in to all mineral rights)
 - ✓ Southern, underexplored structural continuation of Albany-Fraser
- The Company's maiden diamond drilling program, co-funded through the WA governments Exploration Incentive Scheme (EIS), commenced in February.
- Testing a highly prospective 3km long corridor of significantly under-explored ultramafic rocks at Kanowna East, located 12km south of the Black Swan / Silver Swan nickel mine.



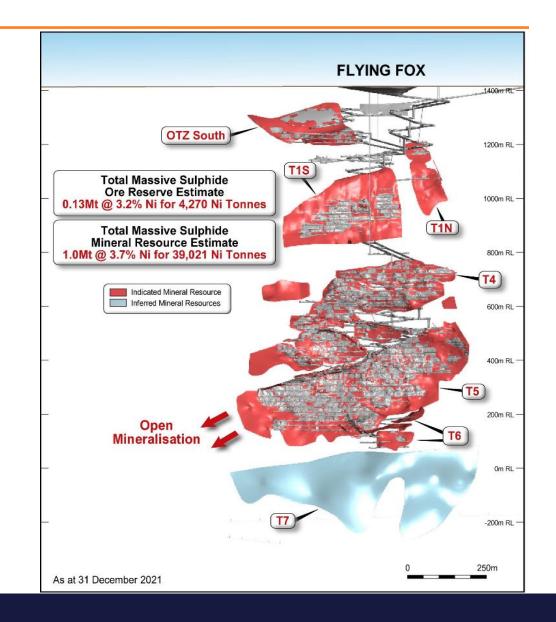


Flying Fox mine

Reserve	0.13Mt @ 3.2%
Contained nickel	4,270 Ni tonnes
Resource	1.0Mt @ 3.7%
Contained nickel	39,021 Ni tonnes
Mine life (on reserves)	~1 year

Key points:

- FY21 production 5.7k Ni tonnes
- Has been operating for over 15 years
- Significant low grade disseminated resource

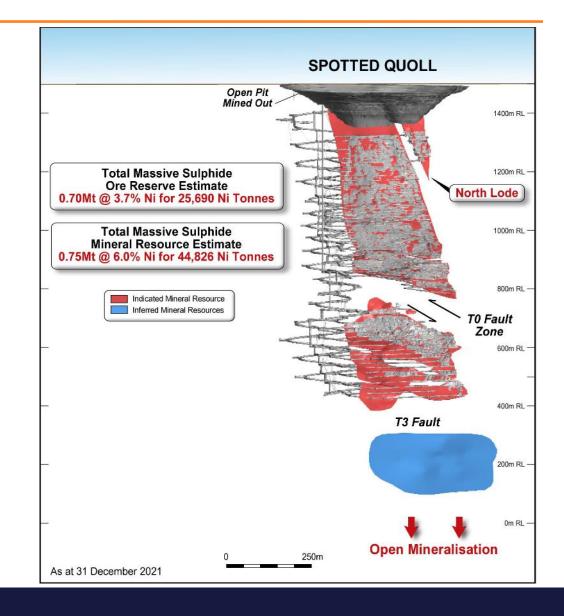


Spotted Quoll mine

Reserve	0.70Mt @ 3.7%
Contained nickel	25,690 Ni tonnes
Resource	0.75Mt @ 6.0%
Contained nickel	44,826 Ni tonnes
Mine life (on reserves)	4 years

Key points:

- FY21 production 11.1k Ni tonnes
- Top down mining with paste fill
- Resource extension potential
- 2021 marks the 10th anniversary of Spotted Quoll Underground operations



Cosmic Boy nickel plant

Concentrator Summary

- Name plate capacity of 550,000 tpa
- Concentrate grades of between 15.0% to 16.0% Ni
 - ✓ Premium blending product (Fe/Mg ratio >15:1)
 - ✓ Desirable to smelters

MREP Summary

- Enhances average concentrator nickel recovery and generates value from waste tailings streams
- Produces additional higher-grade product (45%-50% Ni), being sold to new, EV battery linked customers mainly refineries
- Current contract with Sumitomo Metals & Mining.
 Combined with several spot sales to other refineries



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