

ASX:RXL



INVESTOR PRESENTATION

August 2019

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Competent Person Statements

Exploration Results

The information in this report that relates to previous Exploration Results, was either prepared and first disclosed under the JORC Code 2004 or under the JORC Code 2012 and has been properly and extensively cross-referenced in the text to the date of original announcement to ASX. In the case of the 2004 JORC Code Exploration Results and Mineral Resources, they have not been updated to comply with the JORC Code 2012

Resource Statements

The information in this report that relates to gold Mineral Resources for the Mt Fisher project was reported to the ASX on 11 July 2018 (JORC 2012). Rox confirms that it is not aware of any new information or data that materially affects the information included in the announcement of 11 July 2018, and that all material assumptions and technical parameters underpinning the estimates in the announcement of 11 July 2018 continue to apply and have not materially changed.

The information in this report that relates to gold Mineral Resources for the Youanmi Gold project was reported to the ASX on 17 April 2019 (JORC 2012). Rox confirms that it is not aware of any new information or data that materially affects the information included in the announcement of 17 April 2019, and that all material assumptions and technical parameters underpinning the estimates in the announcement of 17 April 2019 continue to apply and have not materially changed.

The information in this report that relates to nickel Mineral Resources for the Fisher East project was reported to the ASX on 5 February 2016 (JORC 2012). Rox confirms that it is not aware of any new information or data that materially affects the information included in the announcement of 5 February 2016, and that all material assumptions and technical parameters underpinning the estimates in the announcement of 5 February 2016 continue to apply and have not materially changed.

The information in this report that relates to nickel Mineral Resources for the Collurabbie project was reported to the ASX on 18 August 2017 (JORC 2012). Rox confirms that it is not aware of any new information or data that materially affects the information included in the announcement of 18 August 2017, and that all material assumptions and technical parameters underpinning the estimates in the announcement of 18 August 2017 continue to apply and have not materially changed.

Cautionary Statement – Scoping Study Parameters

The updated Scoping Study released to the ASX on the 10th of October 2018 is based on low-level technical and economic assessments, and is insufficient to support estimation of Ore Reserves or to provide assurance of an economic development case at this stage, or to provide certainty that the conclusions of the updated Scoping Study will be realised.

The updated Scoping Study and the production targets derived from the updated Scoping Study are preliminary in nature as the conclusions are drawn on Inferred Mineral Resources (12%) and Indicated Mineral Resources (88%).

The Indicated Mineral Resources and Inferred Mineral Resources underpinning the conclusions from the updated Scoping Study, including the production targets, have been prepared by a competent person in accordance with the requirements of JORC Code 2012 Edition. This announcement does not include an estimate of Ore Reserves as the supporting modifying factors have not been determined to a sufficient level of confidence.

Some (12%) of the Mineral Resources used in the study are Inferred Mineral Resources. When subset to the Resources in the Mining Plan there are only 4.2% Inferred Resources. There is a lower 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 Resources or that the predictions of expected costs or production rates contained herein, and the production targets themselves, will be realised.

Unless otherwise stated all financial figures are in Australian dollars, are undiscounted and are not subject to inflation or escalation factors. All years are calendar years.

At this stage no toll milling agreement has been negotiated and there is no certainty that an acceptable toll milling agreement can be negotiated.

The forward nickel price and exchange rate assumptions in this report are based on a careful consideration of market forecasts and consensus by a number of third parties. There is no guarantee that this nickel price or exchange rate will be realised.

The Company has concluded that there is a reasonable basis for providing the forward-looking statements included in this report and detailed reasons for that conclusion are contained herein. The Company cautions though that there is no certainty that the forecast financial information or production targets will be realised. Material assumptions underpinning the production target and forecast financial information derived from the production targets are set out in this announcement.

The Study referred to in this announcement is a technical and economic investigation of the viability of the Fisher East Project. It is based on low accuracy technical and economic assessments, (+/- 35% accuracy) and is insufficient to support estimation of Ore Reserves or to provide assurance of an economic development case at this stage, or to provide certainty that the conclusions of the Study will be realised. The Production Target referred to in this presentation is based on JORC Resources which are approximately 96% Indicated and 4% Inferred. The mine plan has been generated using stope optimisation and averaging of grades over multiple year periods prior to the application of mining dilution. To achieve the outcomes indicated in this study initial funding in the order of A\$48 to A\$87 million is likely to be required. Investors should note that there is no certainty that Rox will be able to raise funding when needed. It is also possible funding may only be available on terms that may be dilutive to or otherwise effect the value of Rox's shares.

Investment Highlights



- The Company is focused on gold and nickel assets in Western Australia including the Youanmi Gold Mine 50% owned, Mt Fisher Gold Project 100% owned, Fisher East and Collurabbie Nickel Projects
- The Company's flagship project, the Youanmi Gold Mine was recently acquired and has produced 670,000 ounces at 5.4g/t Au which closed in 1997 when gold price was A\$400/oz
- The project has a confirmed Mineral Resource Estimate of 1.19Moz Au. With significant upside potential including a database of circa 550,000m of drilling has been analysed and confirmed
- The Company is focused on increasing resources, converting resources to mineable reserves and developing its projects into producing mines.
- The Company is well-funded to pursue its current projects with approximately \$11.4 million in cash and receivables (as at 31 March, 2019).
- MD Alex Passmore has shown confidence in the Company with the purchase of shares on market
- Near-term newsflow expected with drilling commencing across the project portfolio



Youanmi Main Pit and Plant

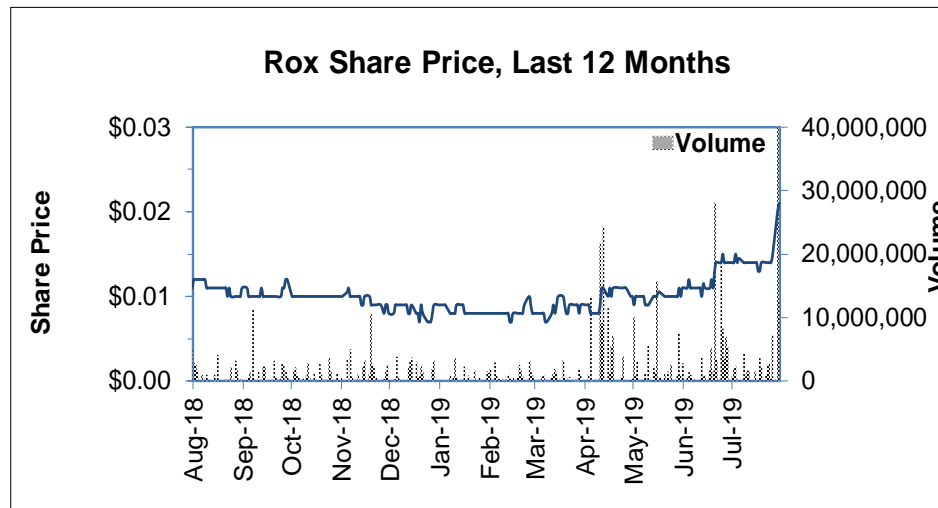
Corporate Information



About Rox Resources

Rox Resources Limited (ASX:RXL) owns advanced gold and nickel exploration projects in Western Australia, including the Mt Fisher Gold Project, the Fisher East and Collurabbie Nickel Projects. The Company has also recently acquired the Youanmi Gold Project with Venus Metals Corporation Limited (“VMC”) through a 50% ownership, with the ability to increase ownership in the mine to 70%.

Capital Structure	
ASX Code:	RXL
Shares on Issue:	1,291M
Share Price:	A\$0.02
Unlisted Options:	65.8M
Market Capitalisation:	\$25.82M
Cash & Receivables* (at 30 June 2019):	\$7.8M
Debt:	Nil
Top 20:	18%



* A\$3.75 million deferred payment from Teck for Reward sale, plus \$0.15 million in ASX listed shares and \$3.9 million in cash (as at 30 June 2019)

The Youanmi Gold Project

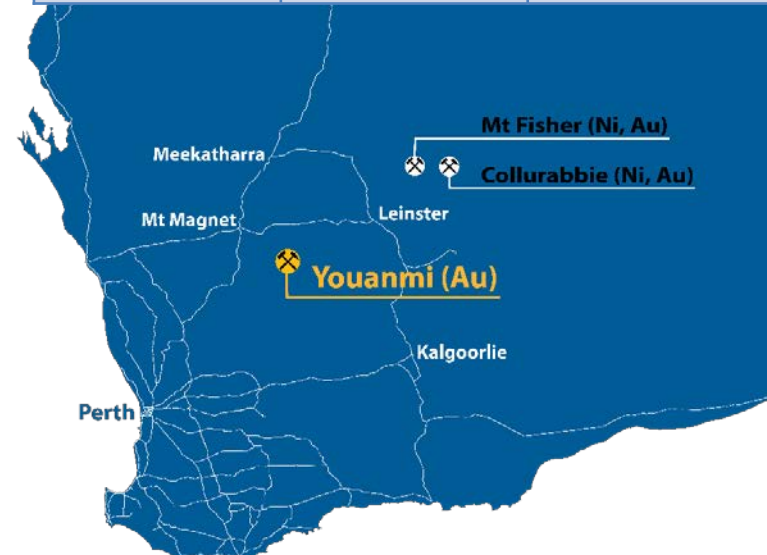
- Gold -

The Youanmi Gold Project



- Rox recently acquire an initial 50% interest in the Youanmi Gold Mine Joint Venture (OYG Joint Venture) with the ability to increase to 70% (any time in the next 2 years).
- Rox is manager of the Project and to undertake an aggressive near-mine exploration program and pre-development work at Youanmi immediately following transaction completion
- The Project includes Indicated and Inferred JORC2012 Gold Resources 12.4Mt @ 2.97g/t Au for 1.19 million ounces*
- The Youanmi Mining Centre has produced 670,000 ounces at 5.4g/t Au
- Closure in 1997 when gold price was A\$400/oz – A\$450/oz.
- Very limited exploration over past 10 years
- Strong potential for the resources in and around historic pits to have economic prospects at the current gold price of A\$1820/oz
- Rox is also entering into a series of regional JVs which will initially be 50/50. *Refer ASX Announcement dated 17 April 2019 - See Appendix for full resource details

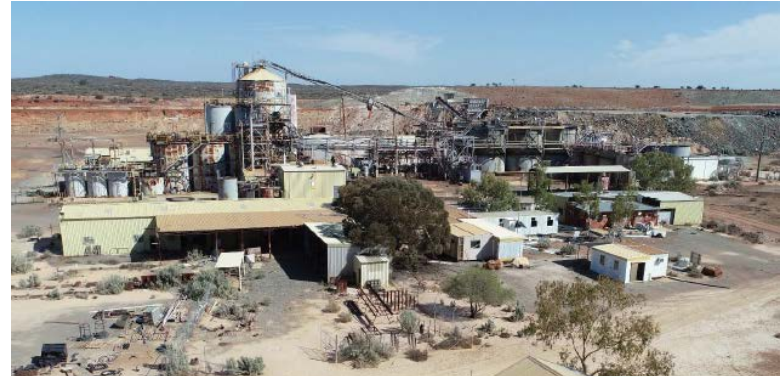
Ownership	50%	70%
Acquisition Cost	\$3.0m (\$2.8m cash, \$0.2m scrip)	Additional \$3m
Exploration Spend	\$2m	n/a
Timing	On OYG Completion (on or before 30 June 2019)	On or before 30 June 2021



Infrastructure

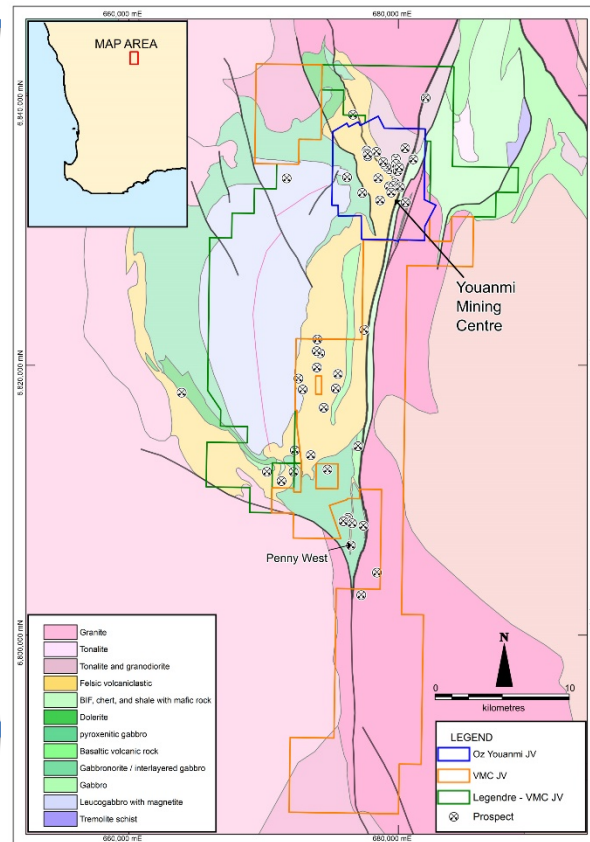
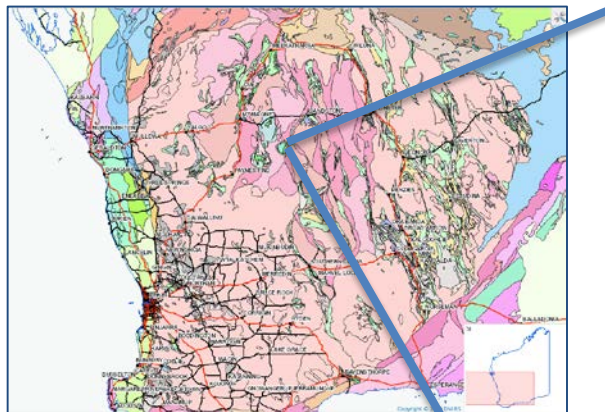
The Youanmi Project includes a developed underground mine (dewatering required) and surface infrastructure including:

- ◆ CIP process plant designed to treat 600,000tpa of oxide ore (requiring significant refurbishment)
- ◆ Tailings disposal facility
- ◆ Mine offices
- ◆ Core shed and workshop
- ◆ Access roads and airstrip
- ◆ Borefield
- ◆ Process water available from local aquifers
- ◆ Mine village with various facilities - well equipped for exploration crews.
- ◆ **Drilling Data/Maps/Plans: A huge historical database with enormous opportunity....**



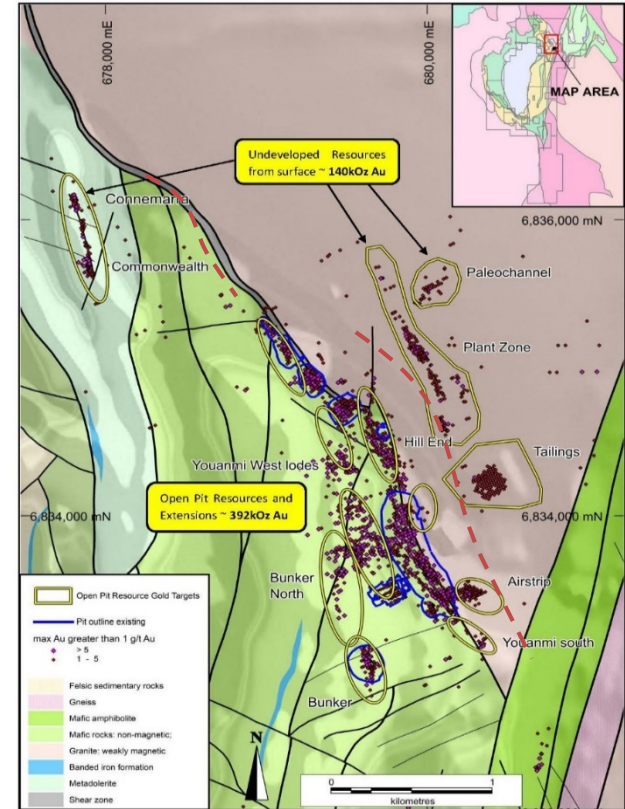
Youanmi Regional Setting

- ◆ Youanmi Shear Zone is a major state scale feature
- ◆ Intersection of the YSZ, greenstones and cross cutting structures are highly prospective areas.
- ◆ Together the JVs extend the length of tenure to 40km of strike along the Youanmi Shear Zone
- ◆ Strong exploration upside and discovery potential with extensive tenure covering 637km² along the Youanmi Greenstone Belt

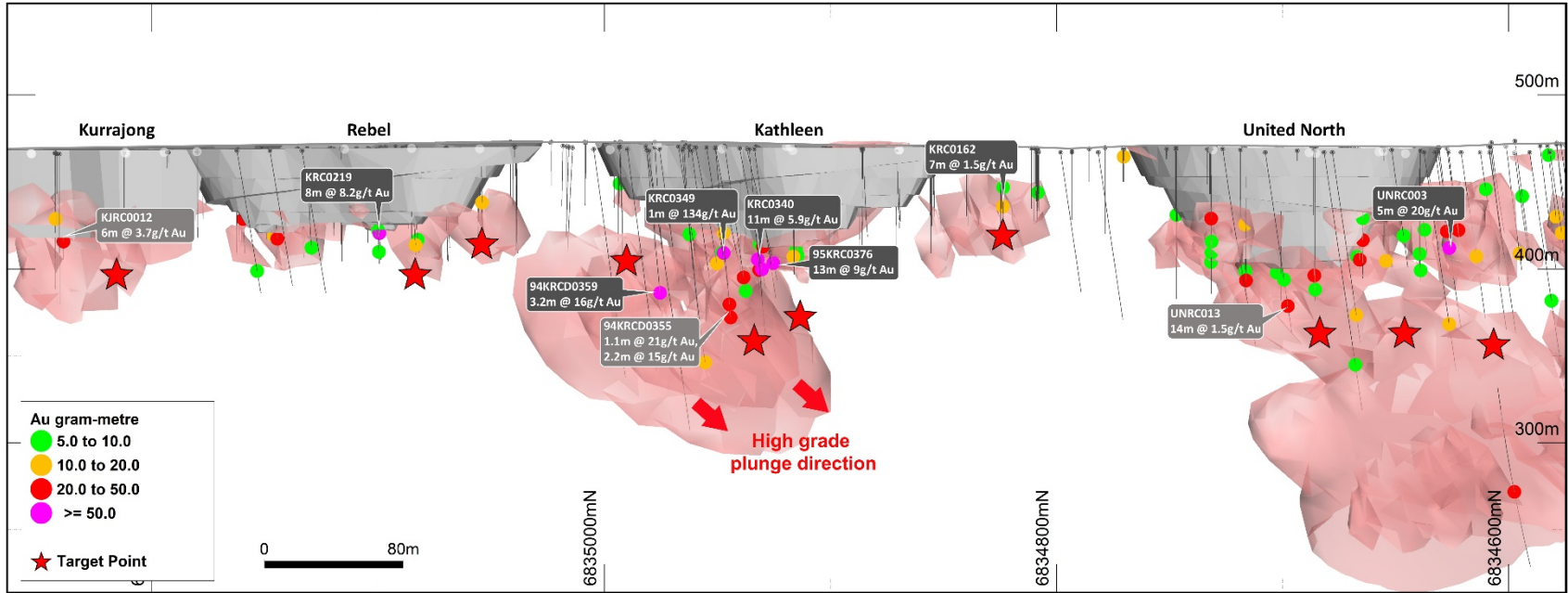


Near Mine Potential

- ➊ Oxide and free milling gold mineralisation in granite and parallel belts to Youanmi
- ➋ Mineralisation is partially refractory in the immediate vicinity of main lode (at depth) and gold endowment is impressive
- ➌ Controls on metallurgy/recovery is well understood.
- ➍ Youanmi Deep ore body is “refractory”, whereas shallow deposits are not
- ➎ Undeveloped Resources from surface and several other near-surface proximity of the existing mine infrastructure
- ➏ Immediate extensions of the Youanmi open pit deposits likely
- ➐ Drill ready targets along known mineralised trends



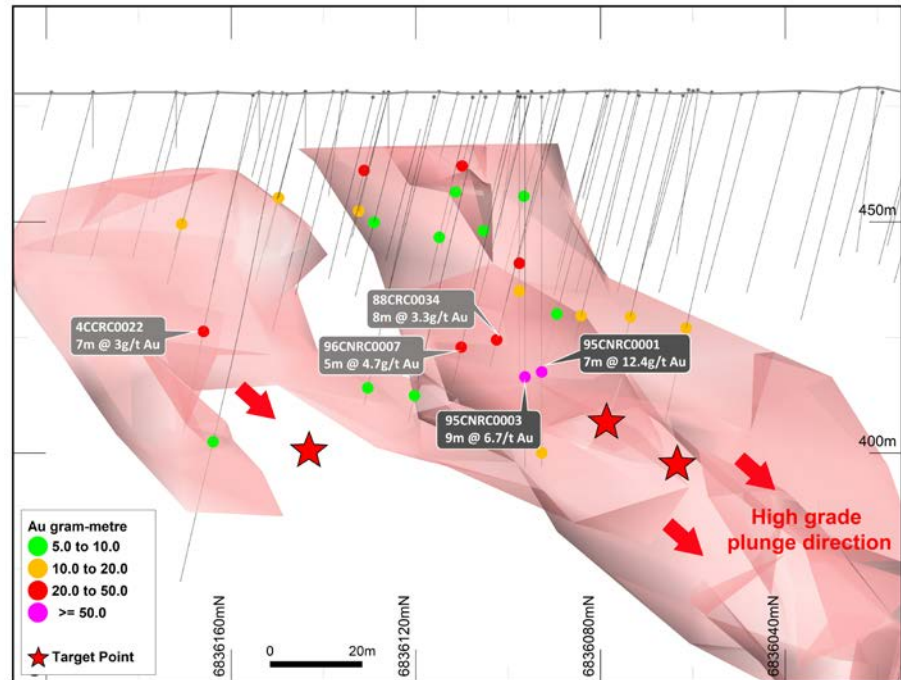
Northern Pits - Amalgamation?



Long Section (looking east) of northern pits at Youanmi with 2g/t Au Leapfrog shell and drill targets

Commonwealth HG Target

- The undeveloped Commonwealth-Connemara deposits and mineralised trend is centred 4km northwest of the Youanmi Plant.
- Gold mineralisation is from surface and hosted within a 3m to 10m wide zone of sheared quartz-veining and highly altered mafic volcanic rocks. Some of the intersections include*:
 - 96CNRC0026 **20m @ 2.6 g/t Au** from 11m
 - 88CRC0066 **18m @ 12.9g/t Au** from 39m
 - 85CRC0012 **10m @ 9.2g/t Au** from 8m

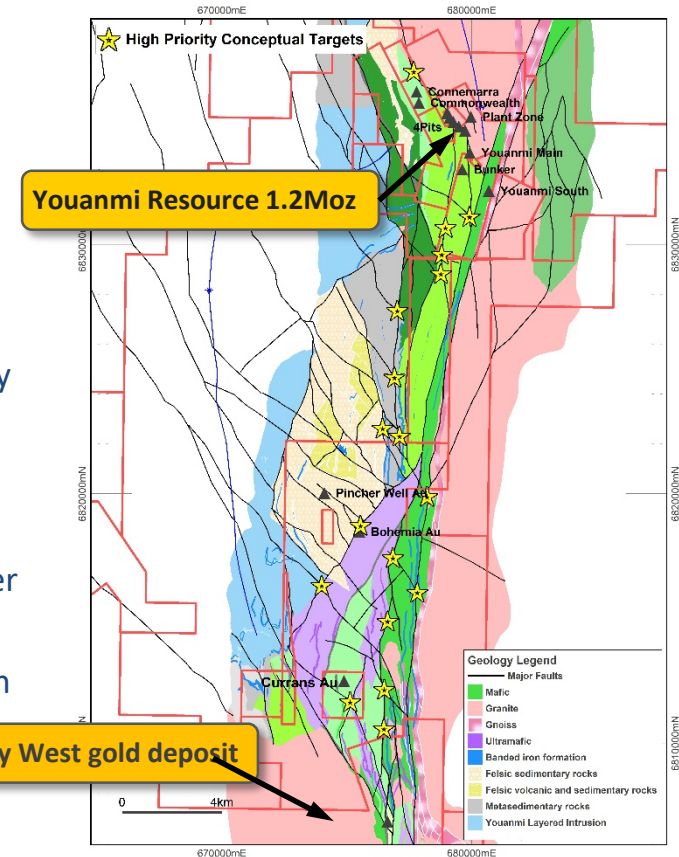


Long Section (looking north east) of Connemara with 2g/t Au Leapfrog shell and drill targets

*Refer ASX Announcement dated 17 April 2019

Regional Targets

- Highly prospective granite-greenstone contact along the Youanmi Shear Zone - > 40km strike length
- Historically only very limited wide-spaced RAB/AC within regional Rox JV tenements
- Drill-ready regional exploration prospects
- Detailed magnetics works well for structural targeting.
- Drilling to target NW trending structures and high-grade gold within splay faults cross-cutting the greenstone belt
- Mafic Rocks host most of the known gold mineralisation in the Youanmi greenstone belt however structures in the granite also prospective.
- Dilation zones to be drilled test along the Main Lode Shear Zone and other major faults zones along strike from known mineralisation
- The intersection of the Commonwealth-Connemarra Trend with the Main Load granite-greenstone contact is a compelling target
- Potential for large scale deposits



Key Points - YGP



Strategic Rationale

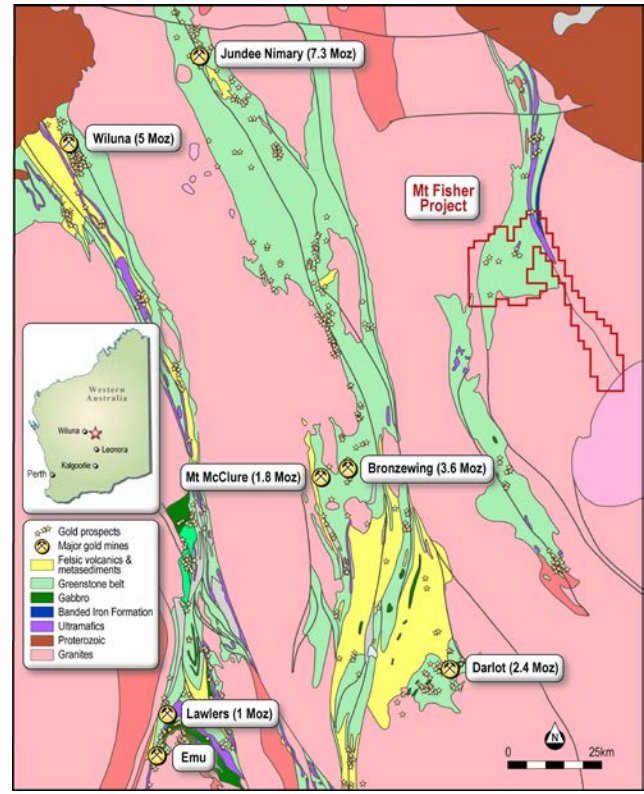
- ➊ Acquisition of the Youanmi Gold Project is consistent with the Company's stated objective of acquiring near-production assets within its financial capacity.
- ➋ Opportunity for Rox to efficiently deploy its capital
- ➌ Based on margins, gold is a more attractive sector
- ➍ Gold is scaleable – capex, working capital, timelines, offtake are all within capability
- ➎ Rox's other assets are valuable and to remain in the portfolio

Milestones

- ➊ Analysis of database : Ongoing
- ➋ Drilling regional targets : June onward
- ➌ Drilling near mine targets : July onwards
- ➍ Further Drilling : Dec Q 2019
- ➎ Concept studies : Ongoing

Mt Fisher Project

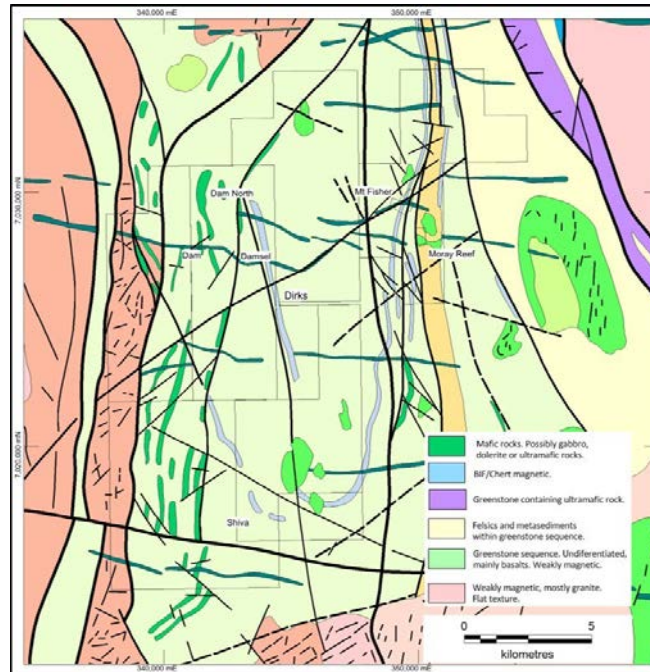
- Gold -
- Nickel -



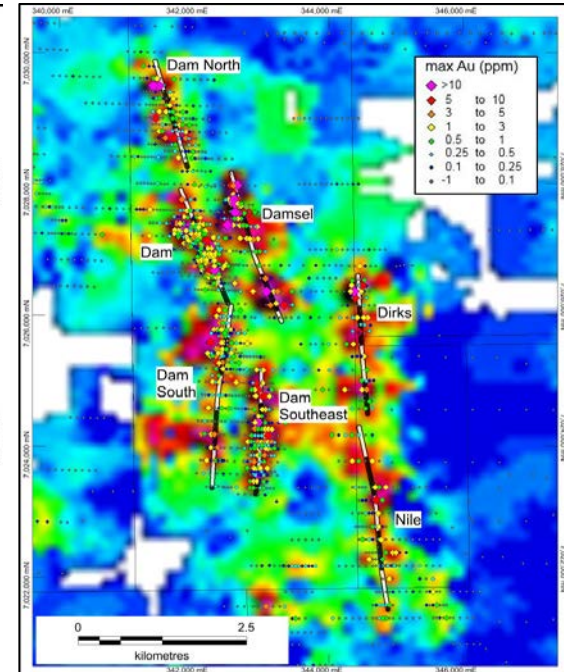
Mt Fisher Gold Project

- JORC Mineral Resource of **89,000 oz* @ 2.7 g/t Au**
- Majority of the known gold mineralisation (excluding extensions to historical Moray Reef and Mt Fisher) is found within regolith. Basement source of gold not yet found or adequately tested.
- Amount of gold seen in the regolith suggests a significant basement source
- Intersection of NNE and NS structures the most prospective
- Deeply weathered profile means aircore is of limited utility

Mt Fisher Project Scale Geology



Mt Fisher Project – max Au downhole



* See Appendix for Mineral Resource details

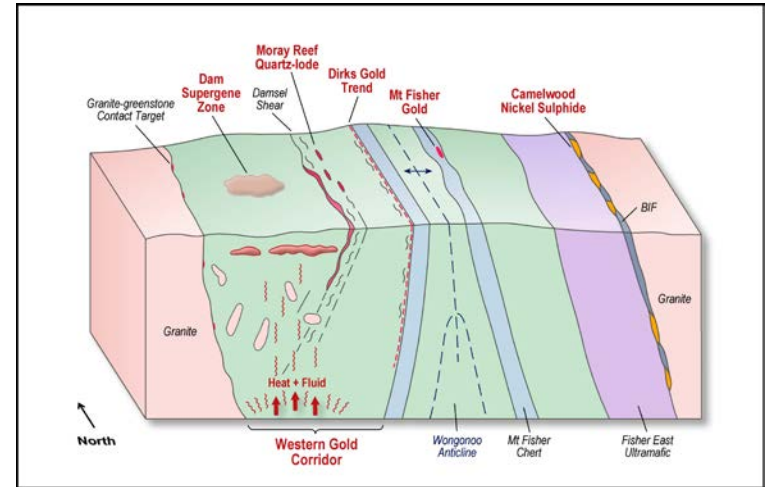
Gold Mineralisation

- Mt Fisher gold mineralisation is typical of greenstone-hosted Archean lode gold
- Lithology, structure and weathering are primary controls on gold mineralisation

Project Summary

Moray Reef	<ul style="list-style-type: none"> • High-grade resource defined (7.53g/t Au) • Small 20m deep stope was mined at 66g/t Au head grade historically (c.3koz Au) • Modest resource, depth and strike extensions likely • Quartz vein / extensional fracture / en-echelon shear
Mt Fisher	<ul style="list-style-type: none"> • BIF Hosted • Small, shallow open pit mined at 4.3 g/t Au (c.22.4koz Au) • Extensions at depth, down plunge likely • Potential for a pit cut back
Damsel Shear	<ul style="list-style-type: none"> • Shear zone hosted • Relatively continuous mineralisation • Looking for dilational jogs, changes in orientation of major shear within mafic rocks • Extensions at depth, down plunge likely
Dam	<ul style="list-style-type: none"> • Gold in regolith, large gold in soil anomaly

Conceptual Model - Mt Fisher gold mineralisation



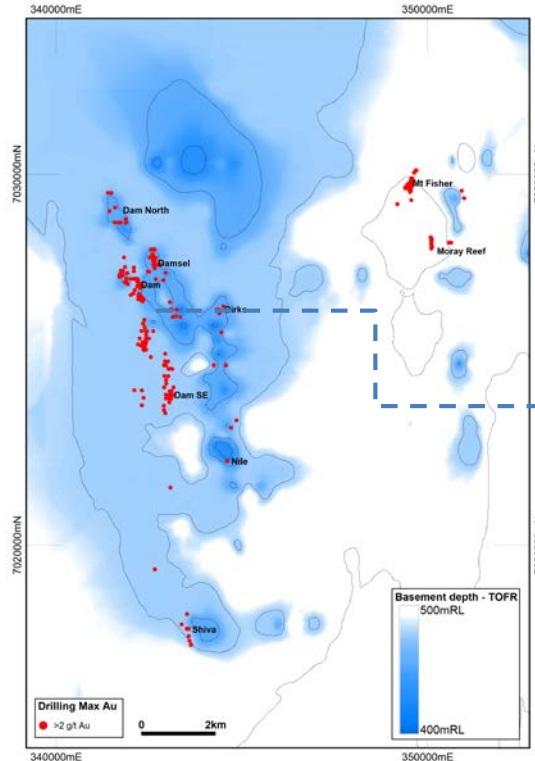
Main styles of mineralization at Mt Fisher:

- **Regolith (weathering) - Dam**
- **Shear zone (structure) – Damsel**
- **BIF (lithology) – Mt Fisher**
- **Porphyry margins (lithology)– Granite contact (+/- Dam)**
- **Qz Vein (structure) – Moray Reef**

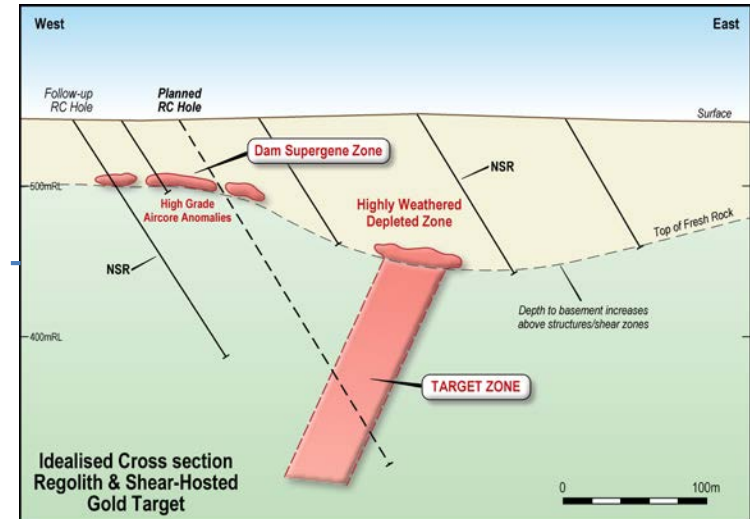
Basement Source

Depth to Basement and Gold Occurrences > 2g/t Au

- Analogous to the Garden Well deposit
- Aircore drilling ineffective due to depletion above primary mineralization
- Drilling beneath regolith mineralisation ineffective (Au migration)
- Potential gold migration in the regolith along transitional / fresh rock interface
- Drilling beneath depressions in basement to target primary structures.

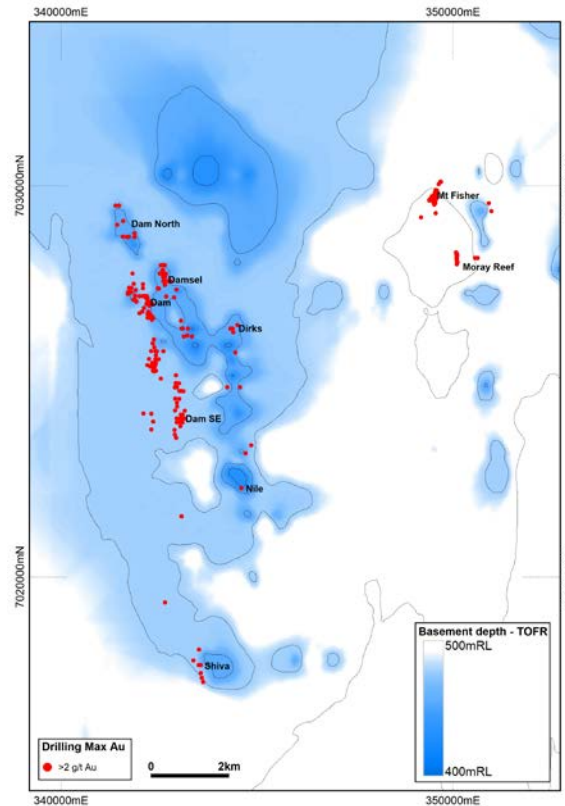


Implications for Targeting Au Mineralisation

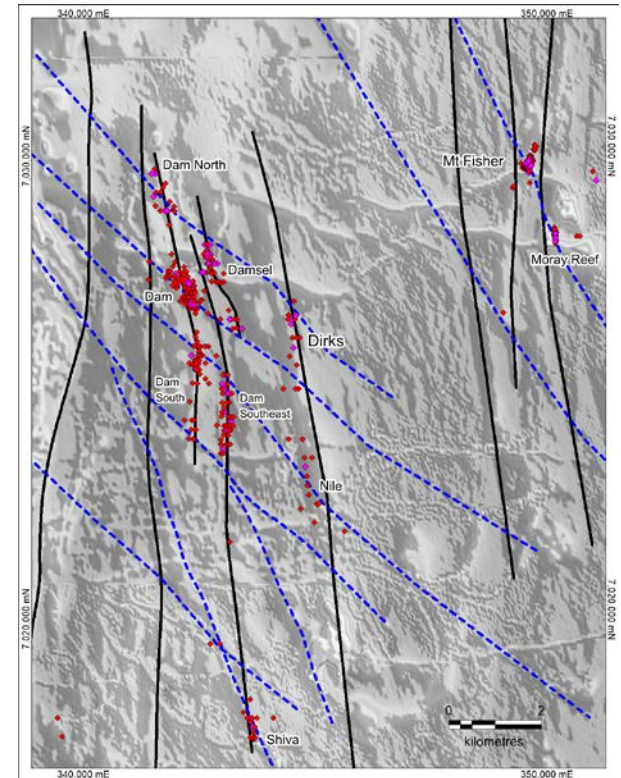


- Magnetics indicate major structures line up with basement lows
- Gold mineralisation in the Dam trend is potentially remobilized to the west of the main structural corridor
- Dirks and Damsel structural targets stand out as relatively untested
- RC Drilling to test these structures in June 2019
- Resource extension drilling (RC) also planned

Depth to Basement and Gold Occurrences > 2g/t Au



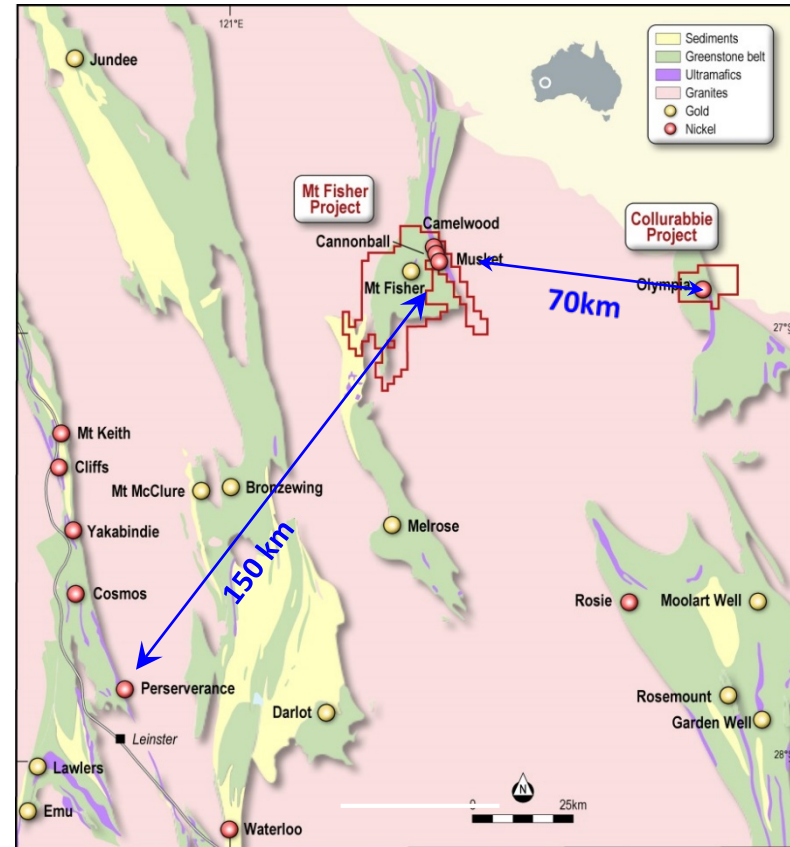
Structure, Max Au over Magnetics



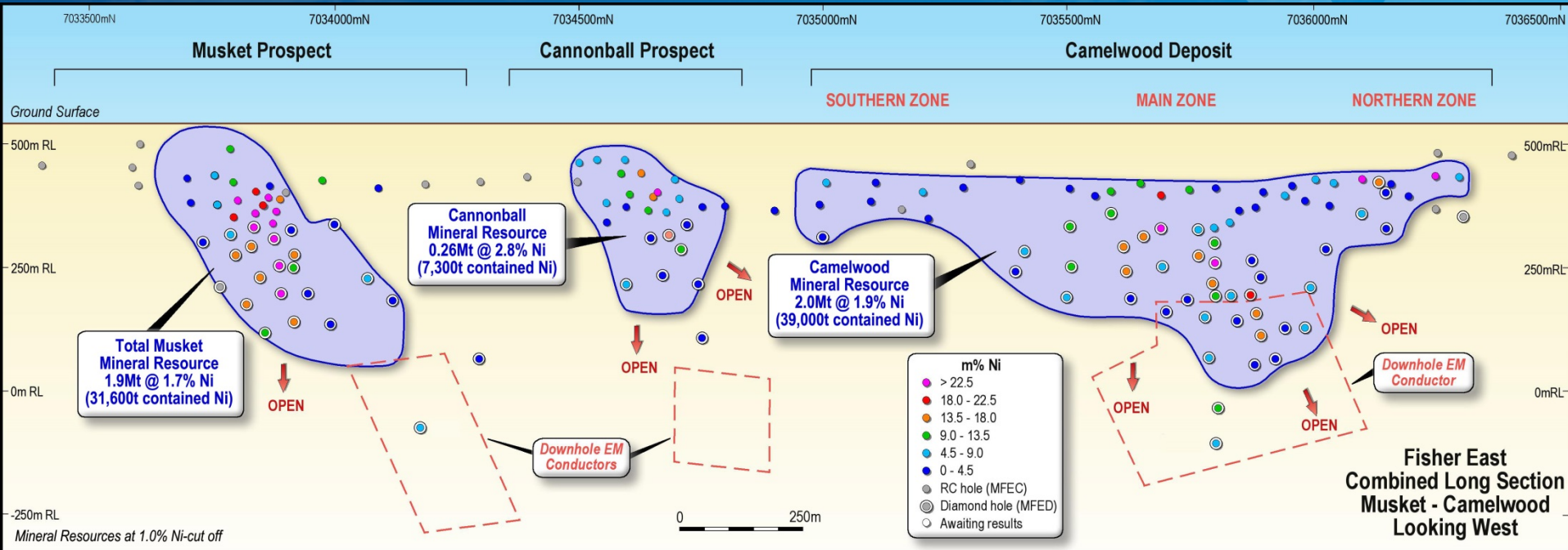
Rox's Nickel Projects



- Two exceptional high grade nickel sulphide resources in WA's northern goldfields
- 70km apart
- 150km from established infrastructure



Fisher East Resources



➤ Total Mineral Resource* of **4.2 Mt @ 1.9% Ni**, for **78,000 tonnes Ni metal**

➤ Potential to increase current resources and to identify new resources

* See Appendix for Mineral Resource details

Fisher East Nickel Conceptual Plan



- Updated Scoping Study¹ based on new Conceptual Mining Study by CSA – stope optimisations, detailed mine schedule – optimum mining rate was 500 ktpa
- Other parameters same as previous Scoping Study in 2015²
- Two possible cases examined:
 - Build a concentrator on site (Concentrator Case)
 - Truck ore to nearby plant (Toll Mill Case)
- Resources in Mining Plan of 2.9Mt @ 1.7% Ni are ~96% Indicated
- Next stage is to expand resource and then undertake pre-feasibility level work

	Concentrator	Toll Mill
Mining Inventory	2.9Mt @ 1.7% Ni	2.9Mt @ 1.7% Ni
Mine Life	6 years	6 years
Annual Production	7,300t Ni in conc	7,300t Ni in conc
Pre-Production Capital	A\$87m	A\$48m
Operating Cash Costs	US\$3.14/lb	US\$3.42/lb
All In Sustaining Costs	US\$3.57/lb	US\$3.83/lb
Net Cash Flow	A\$146.5m	A\$102.3m
NPV	A\$79.2	A\$58.2
IRR	44%	55%

See Appendix for source data

Please refer Scoping Study announcement dated 10 October 2018.

Please note Cautionary Statements regarding Scoping Studies and the Cautionary Statement regarding Forward Looking Statements on slides 2 & 3.

Estimate is accurate to ±35%

The Company is not aware of any new information that materially affects the information included in the relevant announcement.

¹ ASX:RXL 10 October 2018; ² ASX:RXL 17 February 2015

Conclusion



- Rox is actively exploring its exciting portfolio of mineral properties all in highly prospective WA greenstone belts
- Rox has commanding positions in these belts
- Youanmi Gold Project has added an advanced project to the company's portfolio
- Drilling results available throughout most of H2 CY2019
- Well funded programs
- New management team committed to delivering on milestones

Milestones

Drilling regional targets at Youanmi / Currans JV	June
Drilling Mt Fisher Basement Targets	June
Drilling Youanmi Near Mine Targets	July & August
Concept studies	Ongoing
Further Drilling	Dec Q 2019

ASX:RXL



Thank You

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Appendix – Mineral Resource Estimate



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The full reports can be viewed at <https://www.asx.com.au/asxpdf/20190410/pdf/44467pvv382w9g.pdf>, <https://www.asx.com.au/asxpdf/20190417/pdf/444d2m1002jb0b.pdf> and <https://www.asx.com.au/asxpdf/20190415/pdf/4449mz7wr6c2t1.pdf>. Rox is of the view that as the resource estimate is JORC 2012 compliant, was prepared in the last 12 months, indicates the Modifying factors which remain relevant, and the estimate was prepared by a well-known and industry respected Competent Person, the Mineral Resource estimate can be relied upon. At this stage Rox is unaware of the work programs on which the estimates were based. There are no more estimates or data relevant to the reported mineralisation available to Rox.

Near Surface				
	COG (g/t Au)	Tonnes (Mt)	Au (g/t)	Gold (oz)
Indicated	0.5	4.72	1.76	266,200
Inferred	0.5	5.36	1.55	266,500
Total	0.5	10.07	1.65	532,700

Youanmi Deeps				
	COG (g/t Au)	Tonnes (Mt)	Au (g/t)	Gold (oz)
Indicated	4	0.808	8.1	210,200
Inferred	4	1.605	8.7	447,700
Total	4	2.413	8.5	657,900

Appendix – Mineral Resources



Fisher East Nickel, ASX:RXL 5 February 2016

Deposit	Category	Tonnes (Mt)	Ni%	Ni (kt)
Camelwood	Indicated	1.7	2.0	34.0
	Inferred	0.3	1.5	5.0
	Total	2.0	1.9	39.0
Cannonball	Indicated	0.24	2.9	7.0
	Inferred	0.02	1.9	0.3
	Total	0.26	2.8	7.3
Musket	Indicated	1.8	1.7	30.0
	Inferred	0.1	1.5	1.5
	Total	1.9	1.7	31.6
TOTAL	Indicated	3.7	1.9	71.0
	Inferred	0.5	1.5	7.0
	Total	4.1	1.9	78.0

Fisher East: 1.0% Ni block cut-off grade.
Values may not sum due to rounding.

Olympia Nickel-Copper-PGE, ASX:RXL 18 August 2017

Tonnes (kt)	Ni %	Cu %	Co ppm	Pd ppm	Pt ppm	NiEq %*	NiEq (kt)	Pd+Pt (koz)
573	1.6	1.2	820	1.5	0.85	2.2	13.5	43.0

Olympia: 1.0% Ni block cut-off grade.
Values may not sum due to rounding.

Information provided as required by section 50 of the JORC Code 2012

*NiEq = (Ni grade x Ni price x Ni recovery + Cu grade x Cu price x Cu recovery) / (Ni price x Ni recovery)

Where Ni price = US\$13,000/t, Cu price = US\$6,300/t (as of 10 October 2018)

Ni recovery = 85%, Cu recovery = 85%

Metallurgical recoveries based on results from deposits with similar mineralogy, e.g. Savannah (83% recovery for both Ni and Cu), and Nova (88% recovery for both Ni and Cu). In general, the metallurgical recoveries of nickel and copper are similar, so the factors cancel each other out in the metal equivalent calculation. In addition, metallurgical recoveries at the Fisher East project average 88% for nickel.

It is the Company's reasonable opinion that all metals in the metal equivalent will be able to be recovered and sold, as they are at Savannah and Nova.

Appendix – Mineral Resources



Mt Fisher Gold, ASX:RXL 11 July 2018

Deposit	Category	Tonnes	Grade (g/tAu)	Gold (Oz)
Moray Reef	Measured	25,521	8.02	6,577
	Indicated	4,930	5.95	943
	Inferred	1,242	3.87	155
	TOTAL	31,693	7.53	7,675
Mt Fisher	Measured	125,605	3.61	14,569
	Indicated	59,533	3.63	6,948
	Inferred	40,934	3.41	4,494
	TOTAL	226,073	3.58	26,011
Damsel	Measured	23,712	2.59	1,974
	Indicated	151,464	2.27	11,060
	Inferred	591,820	2.23	42,339
	TOTAL	766,997	2.25	55,373
TOTAL	Measured	174,838	4.11	23,121
	Indicated	215,928	2.73	18,951
	Inferred	633,997	2.31	46,987
	TOTAL	1,024,762	2.70	89,059

0.8 g/tAu block cut-off grade.

Values may not sum due to rounding.