

ASX:RXL



Investor Presentation

Annual General Meeting

25 November 2021

Alex Passmore | Managing Director

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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 Youanmi Gold project was reported to the ASX on 23 June 2021 (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 23 June 2021, and that all material assumptions and technical parameters underpinning the estimates in the announcement of 23 June 2021 continue to apply and have not materially changed.

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.

Since the last AGM.....



- **CORNERSTONE** investment by Hawkes Point
- **RESOURCE GROWTH** (~ 40%) at flagship project, Youanmi (1.7Moz at 2.85 g/t) ⁽¹⁾
- Strong **EXPLORATION SUCCESS**, with all 2021 drilling to be incorporated into a new resource update in 2022
- Metallurgical testwork showing **IMPROVED RECOVERY** of 96% from Youanmi ⁽²⁾
- Successful demerger of nickel assets into Cannon Resources, **UNLOCKING SIGNIFICANT SHAREHOLDER VALUE**
- **COMMENCED AIRCORE** program on regional Youanmi tenure, first major program since Rox acquired 50%
- Mt Fisher - Mt Eureka Project, renewed focus with **VMS PROSPECTIVITY** identified
- **STUDIES COMMENCED** into production at Youanmi

Notes:

(1) Refer ASX announcement 23 June 2021 : (2) Refer ASX announcement 6 October 2021

“Applying modern exploration and mining technologies to historic assets and data to grow existing resources and return to production.”

2020 - 2021

- Exploration - Youanmi Near Mine
- Exploration - Youanmi Regional
- Exploration - Mt Fisher/Mt Eureka
- Existing data studies
- Build Rox capacity

2021 - 2022

- Commence studies and progress options for restart
- Investigate early cash flow opportunities
- Ongoing exploration

2022 - +

- Progress studies
- Final Investment Decision
- Funding
- Execution
- Ongoing exploration

Corporate Information



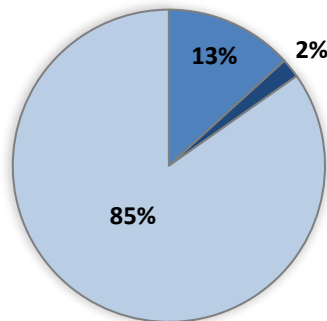
About Rox Resources

Rox Resources Limited (ASX:RXL) is a West Australian focused gold exploration and development Company. It is the 70% owner and operator of the historic Youanmi Gold Project near Mt Magnet, approximately 480 kilometres northeast of Perth, and wholly owns the Mt Fisher Gold Project approximately 140 kilometres southwest of Wiluna.

Capital Structure

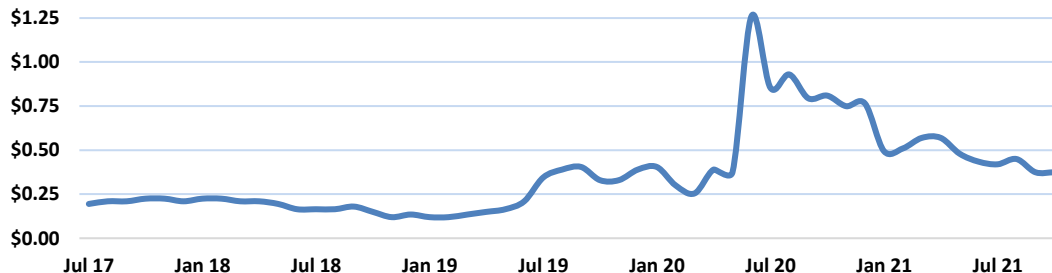
ASX Code	RXL
Shares on Issue	157.6M
Share Price	A\$0.39
Unlisted Options	20.9M
Market Capitalisation	\$61.5M
Cash (as at 30 September 2021)	\$10.7M
Debt	Nil

Shareholders



Hawke's Point	13%
Directors & Management	2%
Retail & Other	85%
Top 20 Holders	27%
Top 70 Holders	40%

RXL Share Price History



Experienced Team



Board



Stephen Dennis
Non - Executive Chairman



Alex Passmore
Managing Director



John Mair
Non - Executive Director

Management



Chris Hunt
Chief Financial Officer

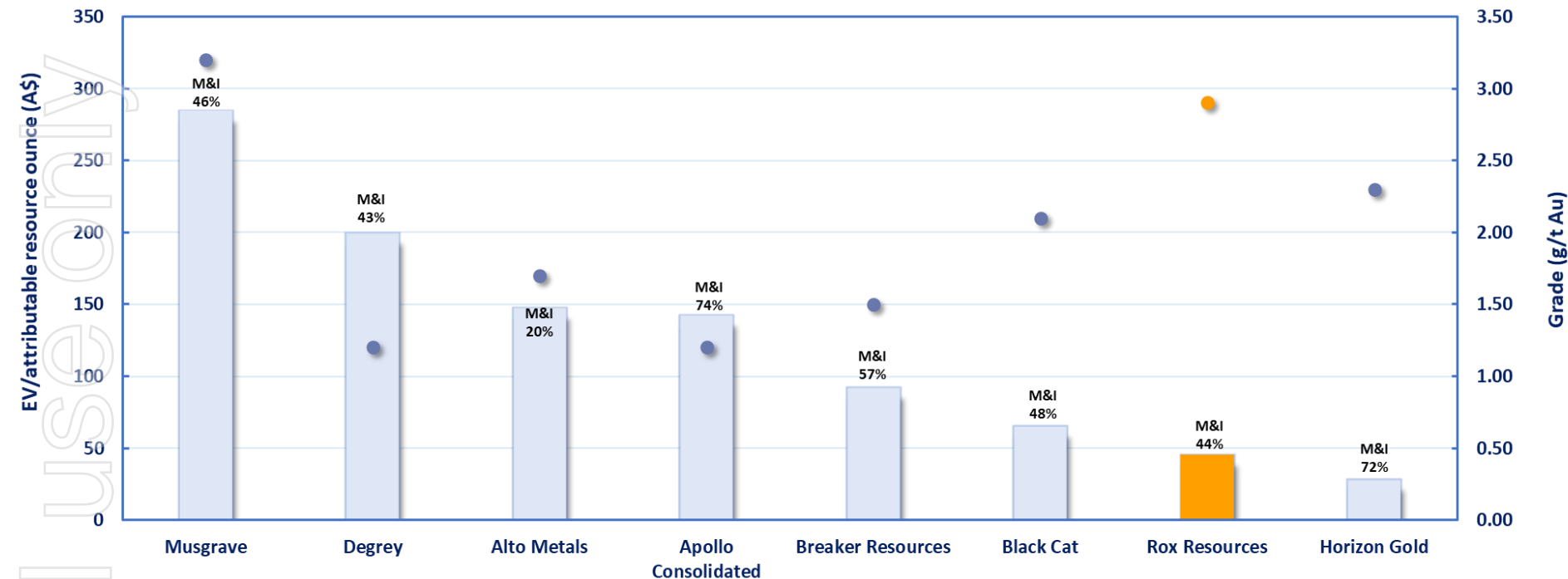


Matthew Antill
General Manager -
Operations



Gregor Bennett
Exploration Manager

Comparable Gold Companies (1)



Notes:

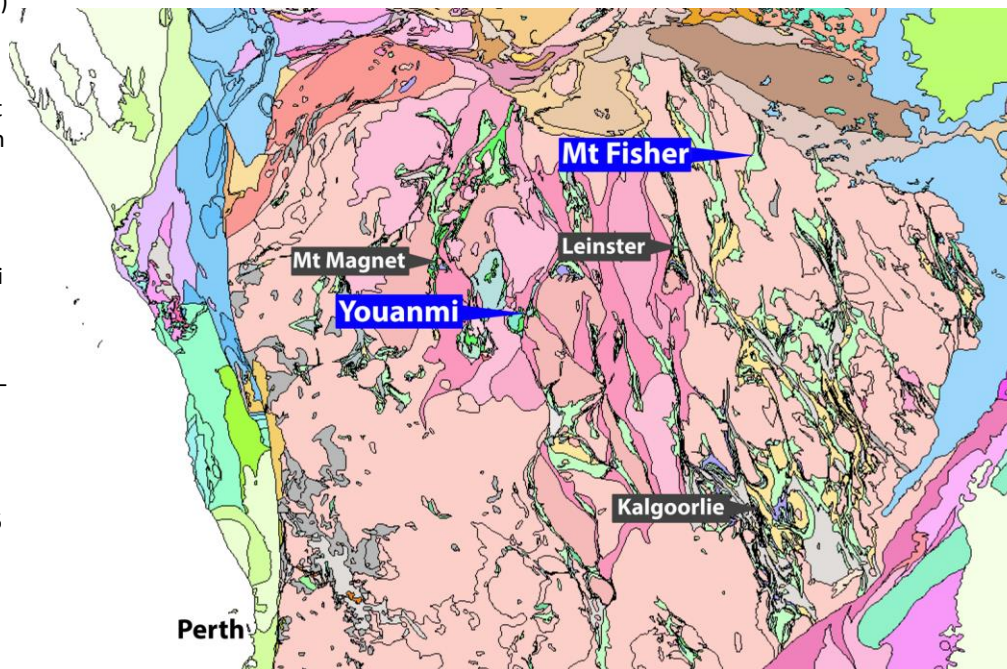
(1) Refer Appendix 3 for support

Youanmi Gold Project



Overview

- Rox holds a 70% interest in the Youanmi Gold Mine (OYG Joint Venture) and is Manager of the JV
- Previously produced 670,000 ounces at 5.4g/t Au; closure in 1997 when gold price was A\$400/oz – A\$450/oz
- Last parcel of ore mined underground at Youanmi (Nov 1997) was at 14.6g/t Au grade
- Existing decline in place – to approx. 600 metres below ground
- Quality, high-grade resource (1.7Moz at 2.85 g/t) ⁽¹⁾



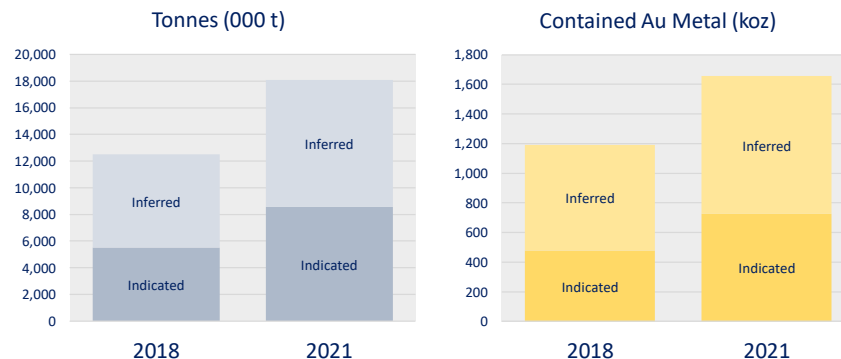
Mineral Resource - June 2021



- Youanmi Total Mineral Resources increased by 466 koz (+39%) to 1,656 koz of contained gold (Au).
- Junction and Link mineralisation to be incorporated in later models.
- \$16 per ounce discovery cost for this addition to the resource, well below industry averages.
- Grace Maiden Resource defined to contain 109koz of contained gold at 7 g/t Au with upside potential remaining.
- Near Surface Resource increased by 50% to 800koz Au
- Deeps Resource shows impressive growth (+30%) to 856koz Au with high grades preserved (7.9g/t Au resource average)
- Increase in Au metal ounces per vertical metre for Youanmi Deeps over key potential mining depths

Area	Classification	Cut-Off	Tonnes (dmt)	Au Grade (g/t)	Au Metal (oz)	Change in Au Metal (%)	Previously (Widenbar 2018) Tonnes (dmt)	Au Grade (g/t)	Au Metal (oz)
Near Surface	Indicated	0.5 g/t*	7,470,000	1.81	434,000	up 63%	4,720,000	1.76	266,200
Deeps	Indicated	4.0 g/t	1,097,000	8.23	290,200	up 38%	808,000	8.1	210,200
SubTotal	Indicated		8,567,000	2.63	724,200	up 52%	5,528,000	2.68	476,400
Near Surface	Inferred	0.5 g/t*	7,240,000	1.57	366,000	up 37%	5,360,000	1.55	266,500
Deeps	Inferred	4.0 g/t	2,279,000	7.73	566,200	up 26%	1,605,000	8.7	447,700
SubTotal	Inferred		9,519,000	3.05	932,200	up 31%	6,965,000	3.19	714,200
Near Surface	Ind + Inf	0.5 g/t*	14,710,000	1.69	800,000	up 50%	10,070,000	1.65	532,700
Deeps	Ind + Inf	4.0 g/t	3,377,000	7.89	856,300	up 30%	2,413,000	8.48	657,900
Near Surface + Deeps	Ind + Inf		18,087,000	2.85	1,656,300	up 39%	12,483,000	2.97	1,190,600

* Grace 1.5 g/t Cutoff

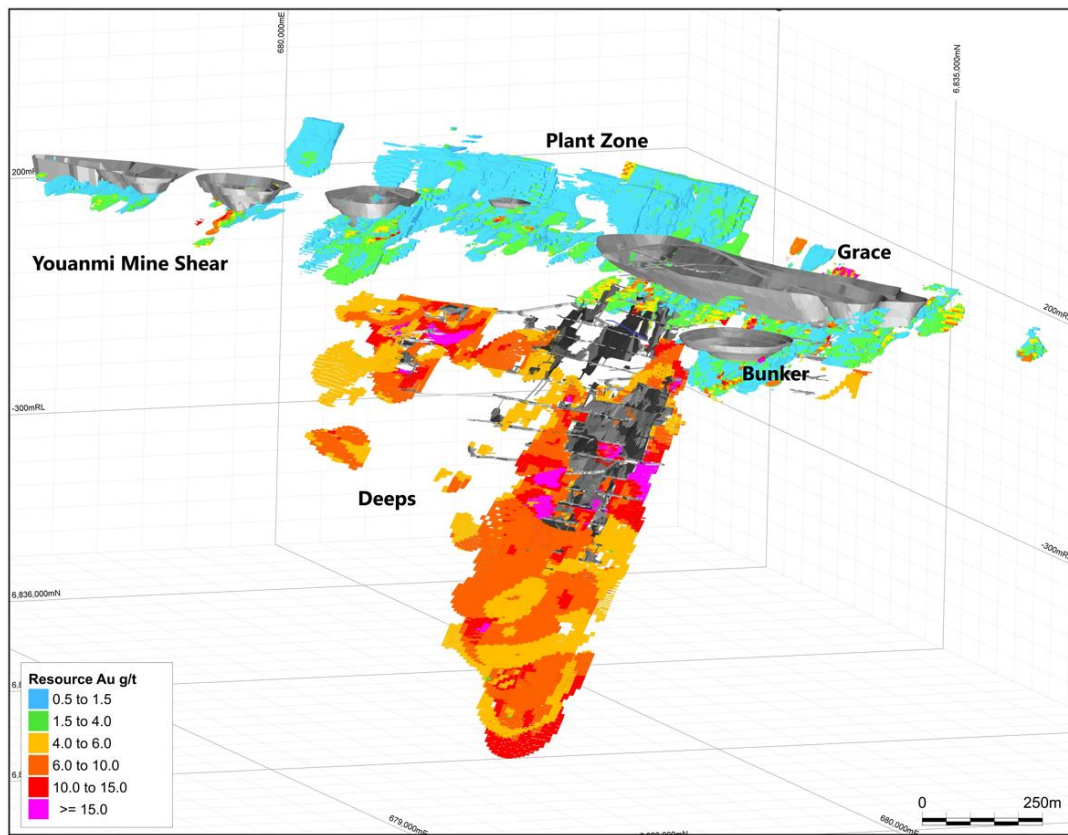


Note

- Refer ASX Announcements dated 17 April 2019 and 23 June 2021 for full details of Youanmi mineral resources

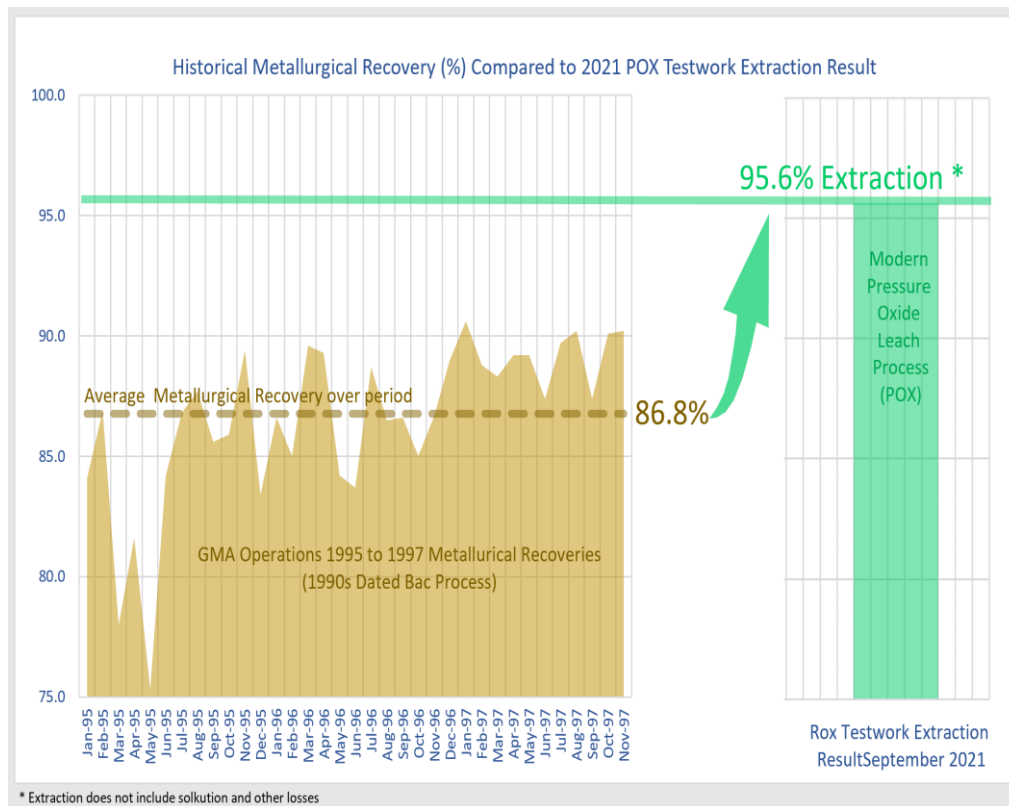
Resource Observations

- Resources start from surface and in many cases do not require a pit cutback (Grace, Plant Zone, Hill End)
- Opportunity for a high grade starter pit (Grace, and potentially Hill End) followed by a high grade underground (using 1990's decline as a starting point)
- Parallel lodes in the hanging wall a key growth opportunity and adds ounces per vertical metre (lower capital cost to access)
- Longer term – larger scale open pit expansion opportunity
- Exploration is ongoing with Resource growth likely to continue



Metallurgy

- Youanmi Total Mineral Resources currently 1,656 koz of contained gold (Au)
- Near Surface Resource approximately 800koz Au in total
- Deeps Resource approximately 856koz Au with high grades
- Approximately 20% of Deeps Resource is refractory ore
- **September 2021 testwork⁽¹⁾ showed substantial improvement in gold extraction for Youanmi Deeps**
- Historical production averaged 86.8% gold recovery, with new testwork improving extraction to 95.6% using Pressurised Oxidation Leach Process (POX)
- Alternative processes being tested in parallel with POX studies



Notes:

(1) Refer ASX announcement 6 October 2021

Infrastructure

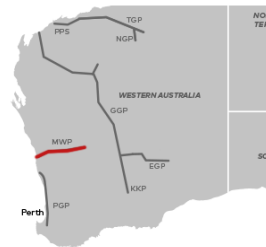
The Youanmi Project includes a developed underground mine (dewatering required) and surface infrastructure including:

- Access roads (sealed roads 90km from mine gate)
- Airstrip
- Core shed and workshop
- Borefield
- Tailings disposal facility
- Mine offices
- Process water available from local aquifers
- Mine village - well equipped for exploration crews.

With a history of mining Youanmi is classified as a disturbed site and is on existing mining leases

- Environmental approvals for development a straightforward process
- Well understood mining considerations (wall stability, angles etc.)

Midwest Pipeline & Road Infrastructure



- Spur line to Mount Magnet has a 4.1TJ/D capacity (APA Group)
- State road network established to/through Youanmi. Sealed road to 90 km from Youanmi Site
- Close to mining service towns
- Very good state roads accessing the site

Youanmi Camp



Progress to Date

- More than 50,000 metres drilled in the past 18 months
- Substantial 39% increase in resource to 18.1M tonnes @ 2.85g/t Au for 1.7 million ounces ⁽¹⁾
- Low discovery cost of just \$16 per resource ounce, well below industry averages
- Cash injection from major international funds manager Hawke's Point (A\$11m), cornerstone 13.3% holding
- Experienced management team appointed
- Progressing studies into Youanmi restart
- Metallurgical testwork showing improved recovery from 86.8% to 95.6% from Youanmi ⁽²⁾
- Commenced Aircore program on regional tenure, first major program since Rox acquired 50%

Notes

(1) Refer ASX Announcements dated 17 April 2019 and 23 June 2021
See Appendix 1 for full resource details

(2) Refer ASX Announcement date 6 October 2021

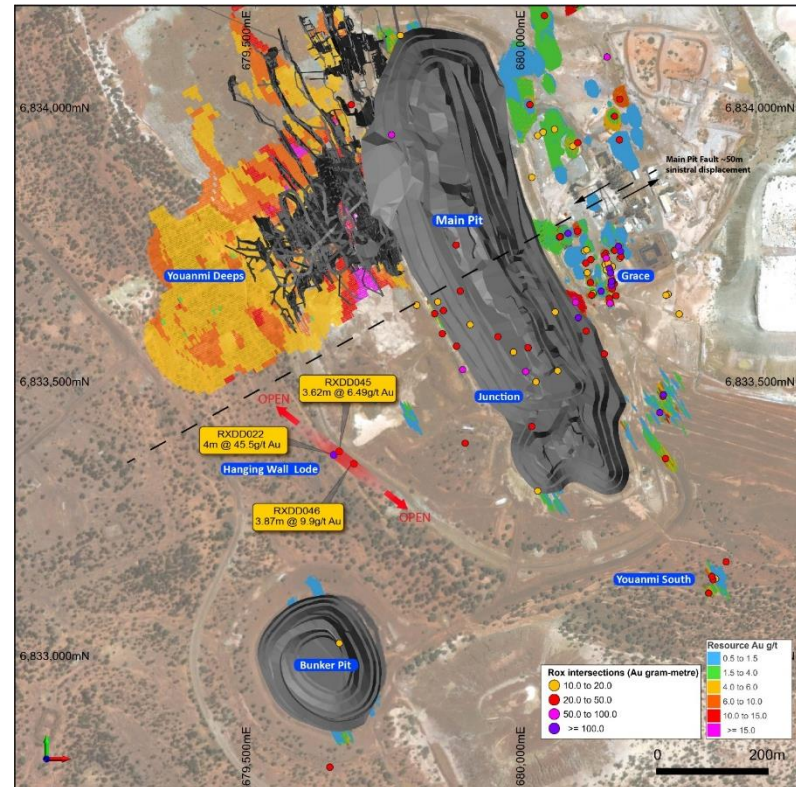
Youanmi Gold Project



View of Youanmi Main Pit looking northwest - RC and diamond drill rigs operating at Junction.

Resource Growth to Continue

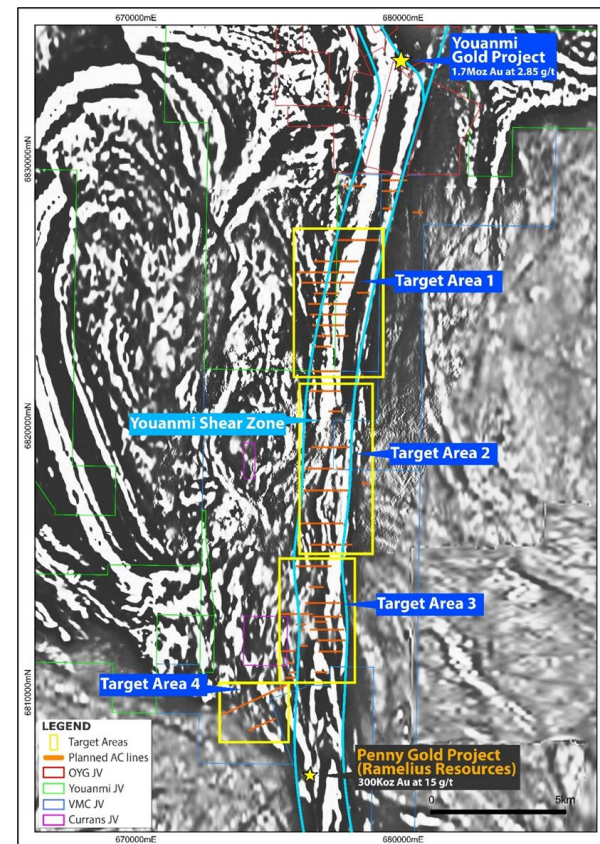
- Multiple drill rigs working on near mine extension drilling at Youanmi
- Targeting the intersection of north-west trending mafic rocks and north-south accommodation structures
- Resource growth momentum building with recent positive results
- Adding mineable ounces near existing infrastructure
 - Link Prospect; and
 - Junction Prospect



Plan View of Youanmi Mine Area (ASX: 18 November 2021)

Regional Targets - Upside

- 424 holes, 22,337m Aircore drilling program recently completed on Youanmi Regional JV tenements
- Program targets an 18.5km long highly-prospective greenstone corridor between the Youanmi and Penny deposits
- 4 high-priority target areas identified from recently completed data review
 - I. Numerous demagnetised zones representing alteration and seven HTDEM conductors associated with major WNW subsidiary structures
 - II. 9 HTDEM conductors and numerous demagnetised zones associated with multiple WNW structures. Low-level Au anomalism present in historic shallow RAB drilling.
 - III. 8 HTDEM conductors and numerous demagnetised zones within the Penny Shear corridor and subsidiary structures.
 - IV. Untested granite-greenstone contact and major WNW structure proximal to Penny West.
- Targets are new / not tested by historic drilling (shallow RAB)



Next Steps

- Studies into optimal production scenarios including:
 - Metallurgical test work;
 - Processing plant design;
 - Pit optimisation;
 - Dewatering and geotechnical studies;
 - Waste rock characterisation; and
 - Environmental baseline testing
- Focused on growing the resource base and progressing feasibility studies with the aim of restarting production at the Youanmi gold mine
- In parallel undertaking extensive regional and near-mine drilling in parallel with these studies – resource growth is expected to continue
- Exploring for Penny West style deposits regionally with Rox managing regional JVs
 - Target reviews have identified compelling regional anomalies
 - 22,337m of Aircore drilling completed

Mt Fisher - Mt Eureka Gold Project



Highlights



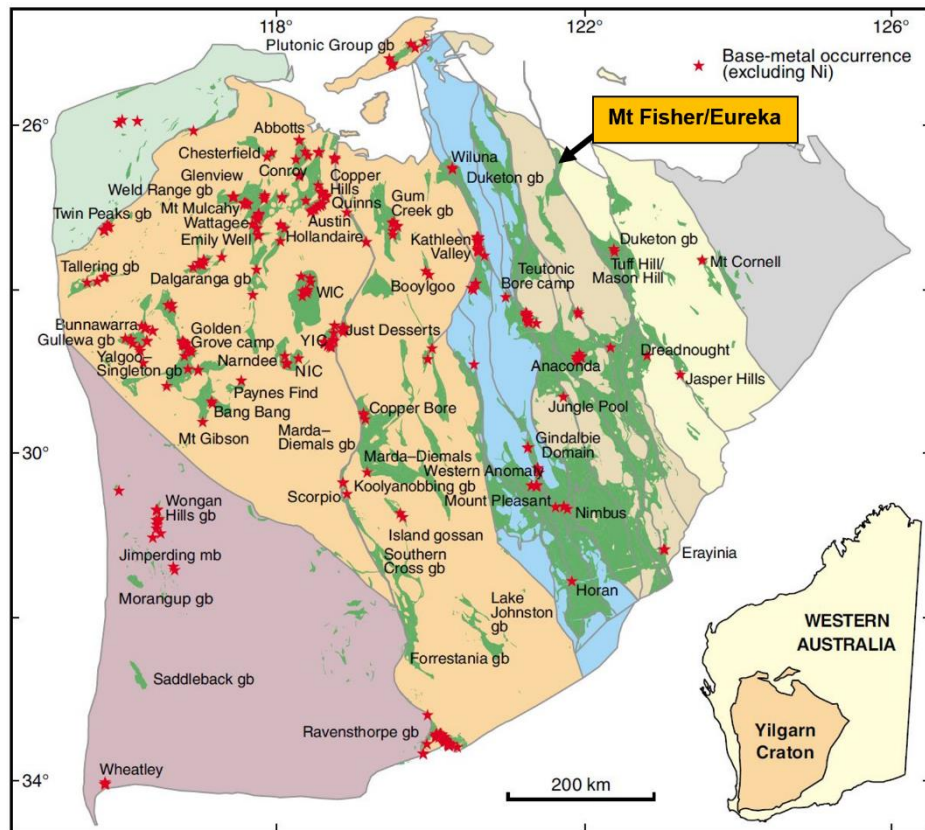
- 850km² ground position in one of the least explored greenstone belts in the prolific Yilgarn Craton
- Targeting orogenic gold mineralisation and strata-bound VMS style mineralisation
- VMS prospectivity identified through extensive project review
- Immediate work programs Aircore drilling, RC drilling and high resolution airborne magnetic survey
- Mt Fisher Project includes a Gold Mineral Resource of 1.0Mt @ 2.7 g/t Au for 89,000 ounces of gold ⁽¹⁾
- Strong potential to add gold resources

Notes:

(1) ASX on 11 July 2018 (JORC 2012)

Project Location - Yilgarn Craton

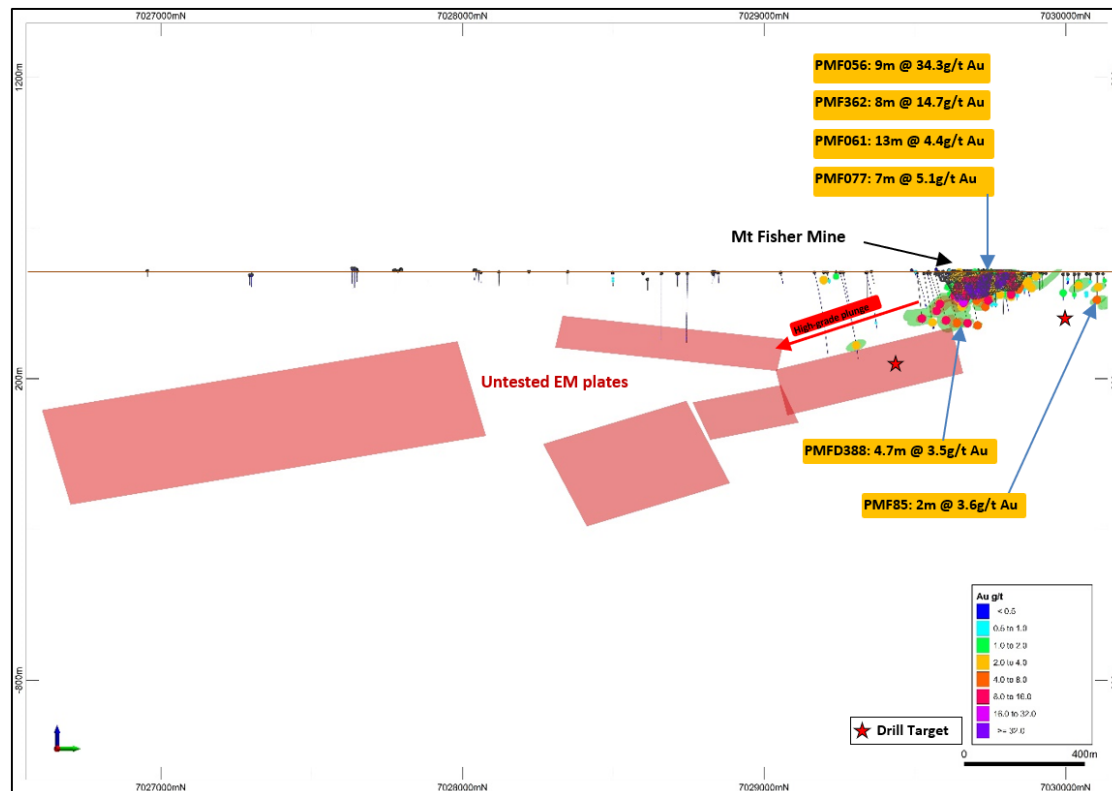
- Mt Fisher - Mt Eureka Project is located in the Eastern Goldfields Superterrane of the Yilgarn Craton
- Yilgarn Craton is one of the World's great gold provinces
- The project's landholding is 850km² in one of the least explored greenstone belts in the prolific Yilgarn Craton



Work Programs

- Current work programs:

- 160 holes, 7,300 metre Aircore drilling program completed at Mt Fisher Gold Project, all assays outstanding;
- RC program circa 4,000 metres to commence; and
- High resolution airborne magnetic survey to commence early December 2021



Mt Fisher Mine Long Section Looking West

Investment Highlights



- Quality high grade resource at flagship project, Youanmi (1.7Moz at 2.85 g/t) ⁽¹⁾
- Strong potential for resource growth
- Feasibility studies commenced into restart of Youanmi
- Mt Fisher - Mt Eureka Project, renewed focus with VMS prospectivity identified
- Attractive entry price (\$45 per attributable resource ounce)
- Cornerstone investment by Hawkes Point

Notes:

(1) Refer ASX announcement 23 June 2021

Appendix 1 - Youanmi Mineral Resources

Youanmi Resources Remaining June 2021 (ASX:RXL 23 June 2021)

Area	Classification	Cut-off (g/t)	Tonnes (dmt)	Au Grade (g/t)	Au Metal (oz)
Near Surface	Indicated	0.5*	7,470,000	1.81	434,000
Deeps	Indicated	4.0	1,097,000	8.23	290,200
Sub-total	Indicated		8,567,000	2.63	724,200
Near Surface	Inferred	0.5*	7,240,000	1.57	366,000
Deeps	Inferred	4.0	2,279,000	7.73	566,200
Sub-total	Inferred		9,519,000	3.05	932,200
Near Surface	Ind + Inf	0.5*	14,710,000	1.69	800,000
Deeps	Ind + Inf	4.0	3,377,000	7.89	856,300
Total	Ind + Inf		18,087,000	2.85	1,656,300

Notes

* Grace 1.5 g/t cutoff

The information in this report that relates to gold Mineral Resources for the Youanmi Gold project was reported to the ASX on 23 June 2021 (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 23 June 2021, and that all material assumptions and technical parameters underpinning the estimates in the announcement of 23 June 2021 continue to apply and have not materially changed.

The ASX release can be viewed at <https://www.asx.com.au/asx/statistics/displayAnnouncement.do?display=pdf&id=02387031>. 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 well-known and industry respected Competent Persons for the Youanmi Near Surface Deposits and Youanmi Deeps Mineral Resource, the Mineral Resource estimate can be relied upon.

Appendix 2 - Mt Fisher Gold Mineral Resources

Mt Fisher Gold (ASX:RXL 11 July 2018)

Deposit	Category	Tonnes	Grade (g/t Au)	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	766,697	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.

Appendix 3 - Comparable Gold Companies

Companies selected are considered comparable to Rox Resources as they are in exploration and/or study phase

Company name	ASX Code
Musgrave Minerals Ltd	MGV
Degrey Mining Ltd	DEG
Alto Metals Ltd	AME
Apollo Consolidated Limited	AOP
Breaker Resources NL	BRB
Black Cat Syndicate Limited	BC8
Horizon Gold Limited	HRN

Item included in calculations	Calculation date
Closing share price	18 November 2021
Cash and debt balances	As per 30 September 2021 Quarterly Reports
Resource information	18 November 2021
Market capitalisation	18 November 2021
Shares on issue	18 November 2021

ASX:RXL



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