



# Rimfire Pacific Mining NL

ASX "RIM"

## 2019 AGM Presentation

Melbourne - 6 November 2019



# Company Overview

## Key Information

- ❑ Rimfire is an ASX listed junior exploration company, with its key operations based in Fifield, Central NSW and head office in Melbourne
- ❑ Rimfire's Sorpresa project has an established JORC resource of 125koz Au and 7.9moz Ag (0.5g/t Au & 25g/t Ag cutoff) – a greenfields discovery in 2011~12
- ❑ Potential exists for large scale discoveries in the area, including porphyry related mineralisation (such as Cowal and Northparkes styles), as well as intrusion related gold (such as Kidston and Mt Leyshon styles)
- ❑ The Company has an experienced and successful Board, Management and Technical Team with efficient and effective capital deployment

## Capital Raising Summary

- ❑ August 2019 \$0.8m (\$0.5m Rights Issue, \$0.3m Shortfall):
- ❑ October 2019 \$0.5m (Investor-led)
- ❑ All raisings had one free attached Option per new share at 1.0 cents, expiry May 2020
- ❑ Total Raised since last AGM \$1.3m
- ❑ JMEI Tax Credits of \$550k granted in June 2019, all shares issued since 1 July 2019 will be eligible to JMEI Tax Credits subject to holder residency requirements

## Financial and Shareholder Metrics (November 2019)

Cash (as at 30 September 2019)	A\$0.5m
Share price range 2019	H 0.7 cents; L 0.2 cents
Shares outstanding (FPO)	1,509M
Listed Options outstanding (strike 2.2 cents)	131M
Listed Options outstanding (strike 1.0 cent)	434M
Unlisted Options outstanding (Various strike prices and vesting conditions)	74M
Market Cap. (at 0.3 cents/share)	\$4.5M
Total Shareholders	~2,200
Top 20 shareholders	~30%
Management shareholding	~1%
Top Institutional Holder (New Gold Inc.)	~1.6%

## Growth Strategies

- ❑ Rimfire has adopted a dual strategy to pursue growth through:
  - Assessing Sorpresa in order to monetise this asset
  - Pursuing the potential for large regional discoveries
- ❑ Actively pursuing partnership opportunities to support the growth and funding requirements of the dual strategy



# Personnel – Quality Experienced Team

## Board and Management



**Ian McCubbing, Chairman** (Jul 2016 – Present)  
Bachelor of Commerce (Honours), Executive MBA from the AGSM, with over 30 years experience principally in the areas of corporate finance and M&A in resources and industrial. Also a Non-Executive Director of Sun Resources Ltd (Chairman) and Swick Mining Services Ltd



**Andrew Greville, Non Executive Director** (Aug 2017 – Present)  
Qualified mining engineer, over 30 years of international mining industry experience, particularly in the fields of business development and marketing. Principal of West End Mining & Consulting since 2015, previously Executive General Manager, Business Development and Strategy, Xstrata Copper



**Craig Riley, MD and CEO** (Sep 2018 – Present)  
Appointed CEO in February 2019 and MD in March 2019. Craig has over 25 years of exploration and mining industry experience with a successful track record of commercial appraisal and development of projects across a range of commodities and continents including copper / gold systems in Australia, Pakistan, Chile and USA..



**Greg Keane, CFO** (May 2017 – Present)  
Internationally experienced commercial and financial professional with experience in all stages of a resource company lifecycle. A qualified CPA / MBA professional with big four experience.

## Exploration



**Todd Axford, Consulting Geologist & Competent Person** (Mar 2017– Present)  
Over 25 years experience with extensive work in a wide variety of commodities and important resource districts in Australia and internationally. He has been engaged in roles for various ASX listed companies and was engaged as Alternate Project Manager for New Gold Inc on the Fifield Project.



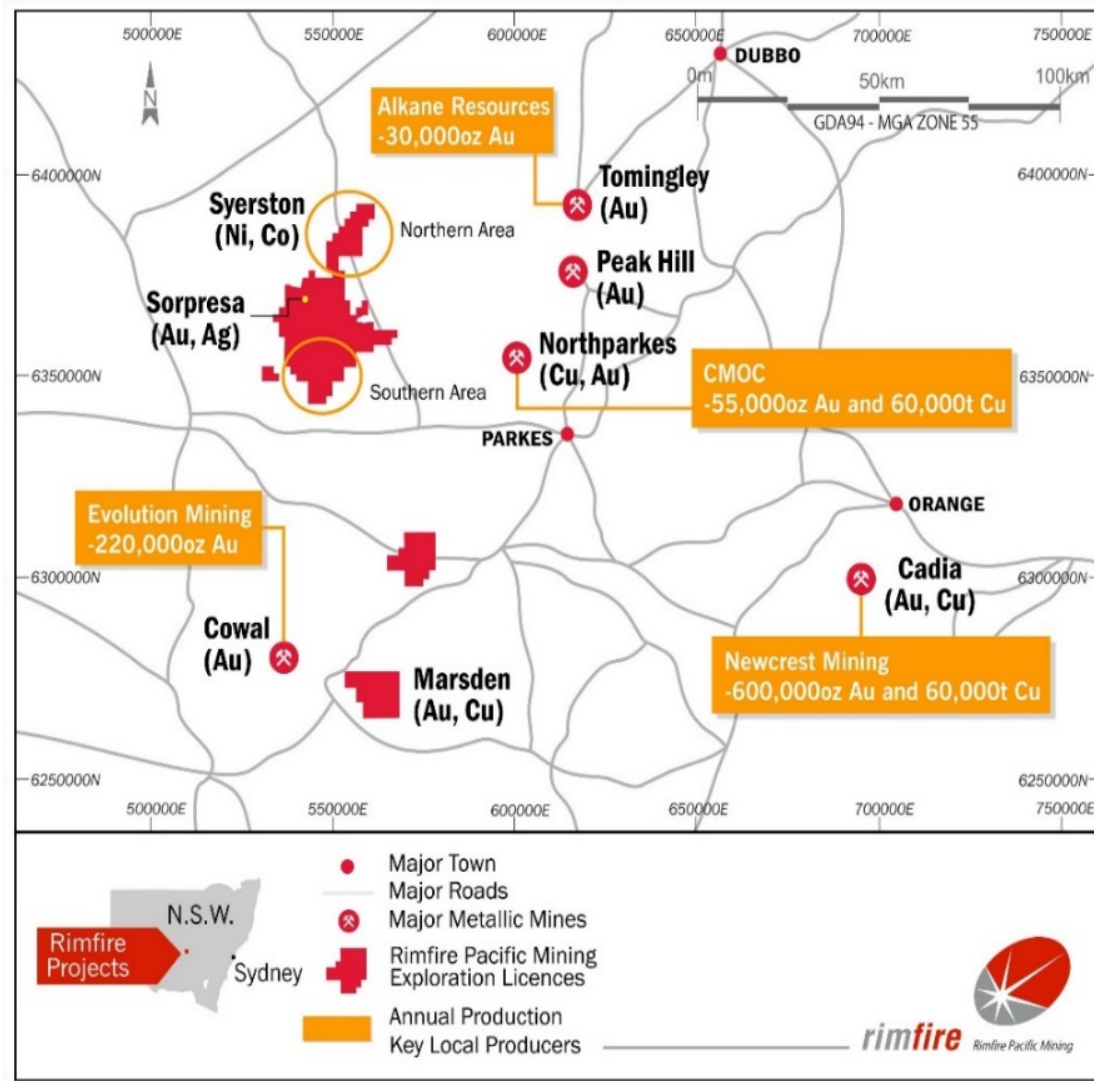
**Colin Plumridge, Consulting Geologist** (Jan 2005 – Present)  
Over 45 years experience with a strong discovery track record and extensive work in a wide range of commodities in many of the important resource districts in Australia. He lives in the local area and has extensive knowledge of the local geology and metalliferous systems. He specialises in detailed field work programs and the synthesis of complex data to generate new observations and opportunities.



**Mick Love, Consulting Geologist** (Mar 2018 – Present)  
A key member of the team working on the early exploration and development of the Northparkes (now CMOC/Sumitomo) porphyry copper project, Subsequently headed a team that discovered extensive areas of gold mineralisation at Lake Cowal (now Evolution) as well as discovery of a Rare Earth prospect at Dubbo (now Alkane).



# Potential – Fifield A Proven Mining District for Copper and Gold



Deposit size selected NSW deposits (combined production and remaining resource)

Deposit	Current Ownership	Au Moz	Cu Kt	Other
Cadia Group	Newcrest	51.8	8446	
McPhillamy's	Regis Resources	2.9	64	
North Parkes	CMOC/Sumitomo	3.8	921	
Cowal	Evolution Mining	3.8		
Browns Creek	ANL	0.99	13	
Copper Hill	Golden Cross Res.	1.6	611	
Mineral Hill	KBL Mining	0.59	66	For sale
Mt Boppy	Black Oak Minerals	0.60		
Peak Hill	Alkane Resources	0.55	8	
The Peak Gold Mine	New Gold Inc.	2.4	133	Sold to Aurelia Nov 2017
Tritton	Straits Resources	0.01	218	
Hill End	Hill End Gold Ltd	0.66		
Sorpresa	Rimfire	0.125		7.9 M oz Ag
Hera	Aurelia Metals	0.28	4	
Tomingley	Alkane Resources	0.96		
Syerston (Sunrise)	CleanTeq			56 Kt Ni, 10Kt Co, 10 Kt Sc

Source: Production data Geological Survey of NSW - July 2015 & Resources data extracted from NSW data warehouse





# Dual Strategy – Asset Monetisation and Discovery Growth

## Sorpresa

Au +/- Ag appraisal & growth



Strategic Partnerships

## Regional

Discovery of large Cu/Au or Au system

## Dual Strategy Outcome Success

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Cash generation (Sorpresa)

Major discovery (Regional)

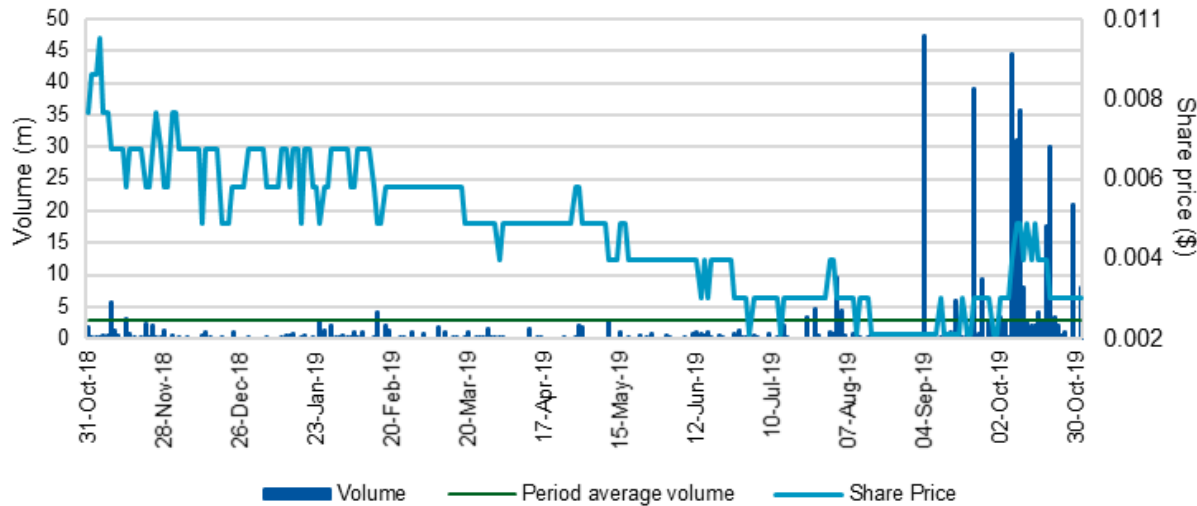
- ✓ **Economic focus on the existing Sorpresa resource**
  - High grade opportunities
  - Simple open pit solutions
- ✓ **High Reward exploration upside for Regional discoveries gold & copper**
  - Cowal and Northparkes styles
  - Intrusion related opportunities (Kidston, Mt Leyshon styles)
- ✓ **Pursue Partnerships (extra momentum)**
  - Process ongoing
  - A successful track record (eg New Gold)

Well defined growth strategy to create shareholder value



# ASX:RIM 1 Year Share Price Performance to 31 October 2019

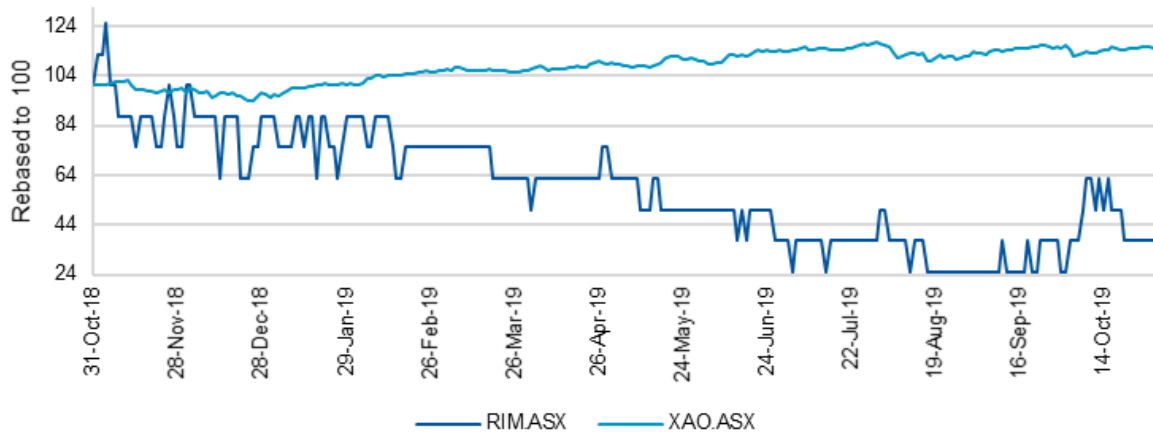
Price and volume



## Key Company Events over last year

- ✓ Nov 18 Closed Rights Issue \$1.1m
- ✓ Jan 18 Senior Management and Board Changes
- ✓ Aug 19 Closed Rights Issue \$0.8m
- ✓ Oct 19 Started Phase 1 Drilling Program
- ✓ Oct 19 Closed Investor-led Placement \$0.5m

Relative price performance



## Positive Outlook for Gold and Rimfire

- ✓ Central Banks buying Gold
- ✓ US/China trade dispute causing global trade uncertainty
- ✓ A\$ gold price record highs – holding above AUD 2,000 per oz
- ✓ Recognised that gold industry has a weak replacement (new discovery) pipeline for depleting resources / reserves
- ✓ High quality gold projects being sought by major gold companies
- ✓ Rimfire Fifield project area is historical producer



# Strategy 1 – Sorpresa Asset Monetisation

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**Assess Sorpresa Resource to determine the viability of a higher grade, lower tonnage project, generating a positive cashflow return**

- ✓ **Integration of additional drilling** (2014 and 2017) to better define higher grade zones
- ✓ **Develop a concept level financial model** and update key technical inputs and revenue data for forward work planning and project approval decisions
- ✓ **Identify key environmental baseline studies and ancillary activities** that would be necessary to initiate a formal approval process from statutory government authorities
- ✓ **Continue the ongoing discovery program** in the Sorpresa Corridor and drill testing of proximal targets to Sorpresa with potential to quickly and significantly impact activities



# Updated (2019) Sorpresa Resource Estimate (JORC 2012)

Resource	Cut off	Category	Mt	Grade		Contained Metal	
				g/t Au	g/t Ag	Koz Au	Moz Ag
<b>Gold</b>	1.0 g/t Au	Measured	0.162	2.88	53.5	15.0	0.28
		Indicated	0.532	2.08	25.7	35.7	0.44
		Inferred	0.228	2.25	22.0	16.5	0.16
		<b>Total</b>	<b>0.922</b>	<b>2.27</b>	<b>30</b>	<b>67.1</b>	<b>0.88</b>
<b>Silver</b>	85 g/t Ag	Measured	0.027	0.50	171.1	0.4	0.15
		Indicated	0.509	0.37	133.4	6.0	2.18
		Inferred	0.062	0.33	115.8	0.6	0.23
		<b>Total</b>	<b>0.598</b>	<b>0.37</b>	<b>133</b>	<b>7.1</b>	<b>2.56</b>
<b>Combined</b>	1.0g/t Au & 85 g/t Ag	Measured	0.189	2.54	70.4	15.4	0.43
		Indicated	1.041	1.25	78.3	41.7	2.62
		Inferred	0.289	1.84	42.0	17.1	0.39
		<b>Total</b>	<b>1.519</b>	<b>1.52</b>	<b>70</b>	<b>74.3</b>	<b>3.44</b>

Note: The figures in this table are rounded to include rounding errors and reflect precision of the estimates.





# Updated Sorpresa Resource - Highlights

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- ✓ In November 2019 H&S Consultants complete an update of the Sorpresa Mineral Resource Estimate (JORC 2012) with 0.92Mt @ 2.3g/t Au and 30g/t Ag for 67koz gold (Au) and 0.9Moz silver (Ag) at 1.0g/t Au cut-off grade
- ✓ The Mineral Resource within the oxidation zone of mineralisation (50m below ground surface on average) is 0.47Mt @ 2.4g/t Au and 22g/t Ag for 35.5koz gold and 0.3Moz silver at 1.0g/t Au cut-off grade.
- ✓ At 1.0 g/t Au cut-off grade, the new model has slightly higher tonnage and higher grades than the 2014 version.
- ✓ The Mineral Resource Estimate also indicates significant potential upside in zones of silver rich mineralisation which have modelled gold grades of below 1g/t
- ✓ An open pit optimisation process will be undertaken on basis of new geological model with results expected by end of November 2019.

[ASX Announcement: Sorpresa Resource Update 6Nov2019](#)



## Strategy 2 – Growth potential via large ore body discovery

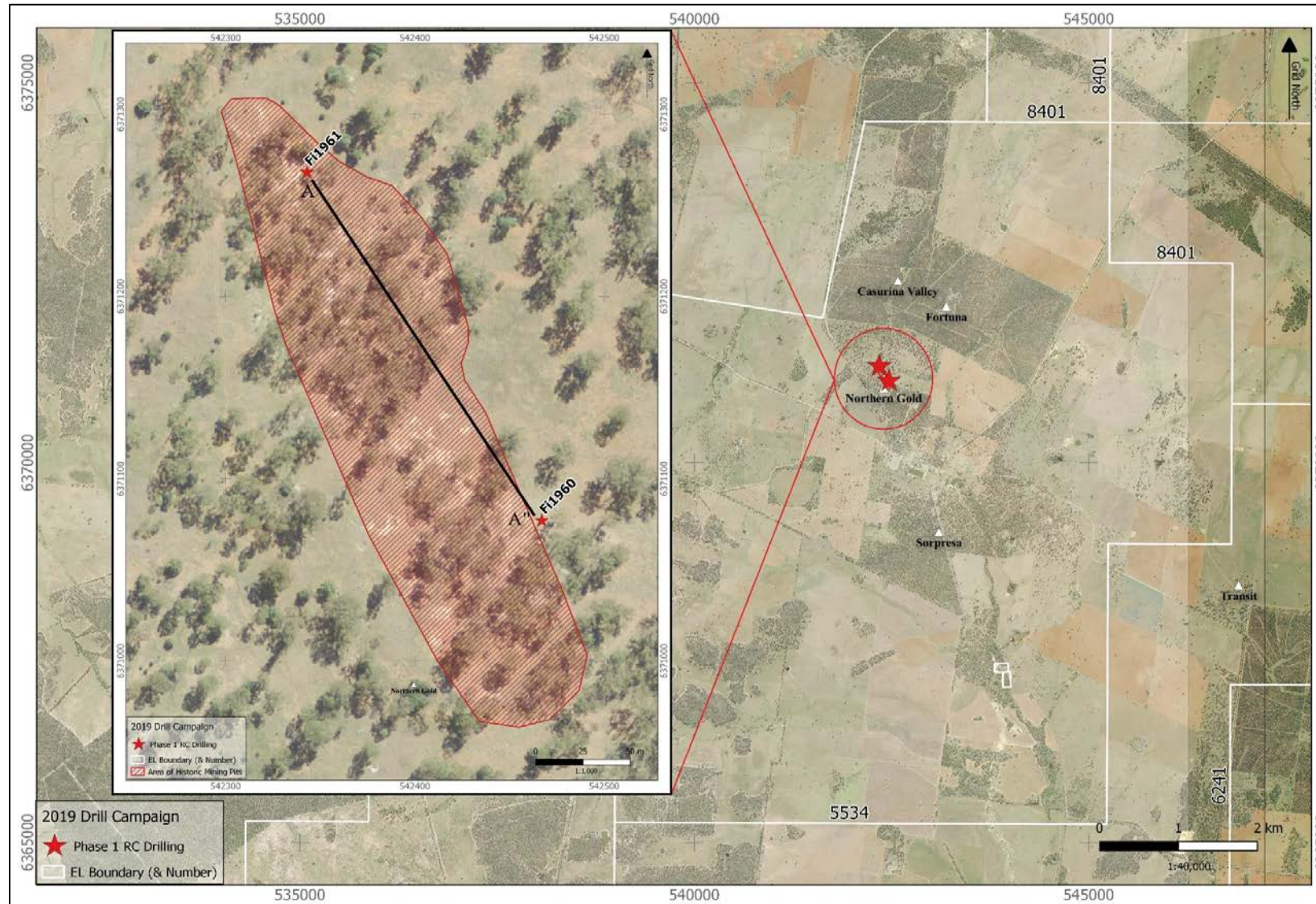
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**Fifield project area has the right rocks under shallow cover (Ordovician Age Volcanics) with the potential to host large scale intrusion related mineral deposits such as Cowal & Northparkes porphyry systems that are within 100km of Fifield.**

- ✓ **Geologist Mike Love** field work and review builds on district potential
  - A track record – discovery of Cowal Deposit and extension discovery Northparkes
- ✓ **The Southern and Northern Areas are interpreted as previously unrecognised Ordovician Age Volcanics (under shallow cover)**
- ✓ **Additional large target areas include**
  - ✓ Northern Gold / Fortuna / Casuarina Valley Intrusion Related Gold System (IRGS) – Colin Plumridge
  - ✓ 3km Transit Trend Intrusion Related Gold System (IRGS) – Colin Plumridge
- ✓ **Earn-in partners are actively being sought**



# Phase 1 Drilling Program – Northern Gold

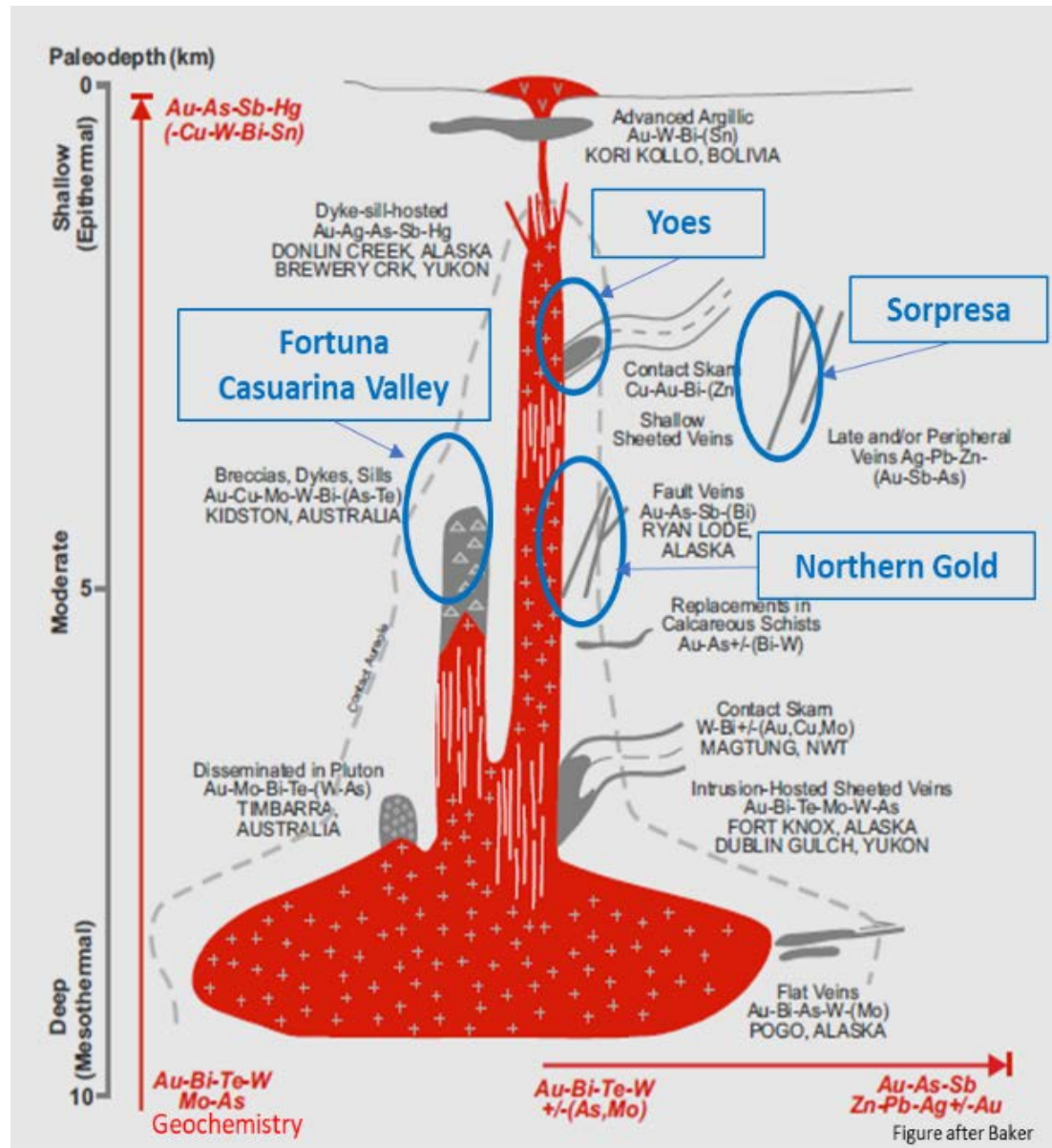


- ✓ Northern Hole elevated gold and copper geochemistry
- ✓ Southern Hole elevated zinc and lead geochemistry
- ✓ Indicates zone mineralisation more likely to the north
- ✓ Forward Plan – close spaced aircore drilling in vicinity northern hole to understand relationship with interpreted structural controls

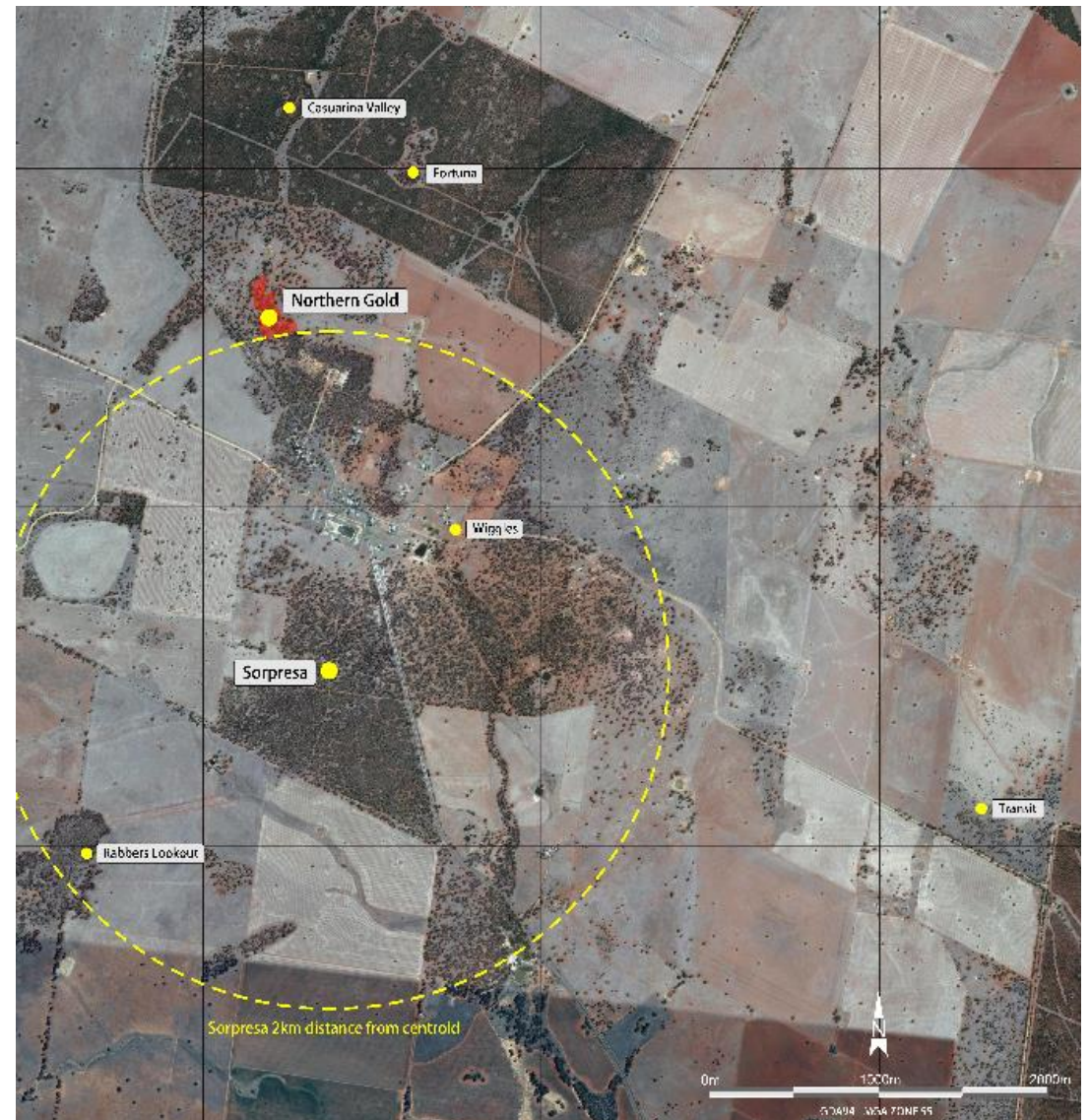




# IRGS Genetic Model and Conceptual Position of Some Rimfire Prospects



ASX Announcement: Sorpresa Basin IRGS Model 15July2019





# Phase 1 Drilling Program – Northern and Southern Area

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## Northern Area

- ✓ 11 holes totalling 408m with an average depth of 37m
- ✓ Assays confirm elevated copper associated with a mafic diorite
- ✓ No significant alteration
- ✓ Technical Assessment in progress

## Southern Area

- ✓ 14 holes totalling 634m (average depth 45m) drilled in two sub areas
- ✓ The aircore drilling for both sub areas was designed to obtain bedrock samples to provide lithological, geochemical and alteration information below variable thicknesses of transported alluvial (not in situ) cover
- ✓ While assay results do not identify geochemical anomalism, the samples are suited to a lithogeochemical assessment to determine if the local bedrock is part of the Ordovician Macquarie Arc.
- ✓ The results from this work will be combined with further samples from the Phase 2 drilling to obtain sufficient data points to provide enough information to make a robust assessment on characterisation of magma and similarity to Macquarie Arc volcanism.
- ✓ The Macquarie Arc age rocks host nearby significant copper / gold and gold mineralised systems including Northparkes (CMOC) and Cowal (Evolution Mining) respectively.





# Key Catalysts and Milestones in the next 12 months

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## Strategy 1: Sorpresa development appraisal and growth

- ✓ Sorpresa Resource – Pit Optimisation Study
  - Complete a pit optimisation on the updated Sorpresa resource estimate
  - Undertake metallurgical testwork to determine gravity separation options for ceragyrite (silver chloride) which is a secondary oxide silver mineral that commonly forms as nodules.
- ✓ Additional discovery in Sorpresa Corridor
  - Drill testing of high priority targets less than < 4km from Sorpresa such as Northern Gold, Fortuna and Casuarina Valley

## Strategy 2: Regional advances in discovery of large ore systems

- ✓ Analysis of Northern Gold, Fortuna and Casuarina Valley areas in context of a single Intrusion Related Gold System (IRGS)
  - Drill testing of 3 high priority targets
- ✓ Prove in principle interpreted Ordovician Volcanics have suitable volcanic phase signatures



# Rimfire Value Drivers Summary

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## In Ground

- ✓ Location LTZ corridor - an excellent discovery setting (geology & structure)
  - World Class ore body potential (Gold – Copper footprint), nearby Cowal and Northparkes mines
  - Ordovician Volcanic age rocks under shallow cover at Fifield a new opportunity
- ✓ Evidence – Sorpresa a greenfields gold and silver discovery
  - Part of an Intrusion Related Gold System (IRGS)
- ✓ Sorpresa assessment - potential to be a cashflow generating asset
  - Monetisation could help defray future exploration cost and accelerate future discoveries

## Above Ground

- ✓ Experienced Board and Technical Personnel
  - Discovery and development track record
- ✓ Risk Mitigation through partnerships and prospect portfolio creation
  - Actively seeking Earn-in JV Partnerships
- ✓ Permanent Exploration Camp on Company Freehold at Fifield
  - District presence, efficient and effective work deployment, day to day member of community (trust and respect)



Stay tuned for updates on future work programs

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**Thank you**

**Please contact us for more information**



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# Disclaimer and Competent Person Statements

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## **Competent Persons Declarations - Mineral Resources – Sorpresa**

*The information in this Report that relates to Mineral Resources for the Sorpresa deposit is based on information compiled by Mr Arnold van der Heyden, who is a Member and Chartered Professional (Geology) of the Australian Institute of Mining and Metallurgy and Managing Director of H&S Consultants Pty Ltd.*

*Mr van der Heyden has sufficient experience relevant to the style of mineralization and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr van der Heyden consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.*

## **Competent Persons Declarations – Exploration Results**

*The information in the report to which this statement is attached that relates to Exploration and Resource Results is based on information reviewed and/or compiled by Todd Axford who is deemed to be a Competent Person and is a Member of The Australasian Institute of Mining and Metallurgy.*

*Mr Axford has over 24 years' experience in the mineral and mining industry. Mr Axford is employed by Geko-Co Pty Ltd and is a consulting geologist to the Company. Todd Axford has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Todd Axford consents to the inclusion of the matters based on the information in the form and context in which it appears.*

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