

ASX and Media Release: 24 April 2018  
ASX Code: WRM



## White Rock Presents at 1-2-1 Mining Investment Conference, Hong Kong

### ASX Code: WRM

### Issued Securities

Shares: 1271 million

Options: 310 million

### Cash on hand (31 Dec 2017)

\$1.4M

### Market Cap (23 April 2018)

\$11.4M at \$0.009 per share

### Directors & Management

Brian Phillips

Non-Executive Chairman

Matthew Gill

Managing Director &

Chief Executive Officer

Peter Lester

Non-Executive Director

Ian Smith

Non-Executive Director

Jeremy Gray

Non-Executive Director

Shane Turner

Company Secretary

Rohan Worland

Exploration Manager

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White Rock Minerals Ltd (“**White Rock**” or the “**Company**”) wishes to advise that its Managing Director and Chief Executive Officer, Matt Gill, will today present at the 1-2-1 Mining Investment Conference in Hong Kong.

A copy of the Investor Presentation is attached.

This presentation can also be found on the Company’s website.

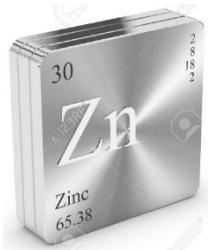
For more information about White Rock and its Projects, please visit our website [www.whiterockminerals.com.au](http://www.whiterockminerals.com.au)

or contact:

Matt Gill (MD&CEO)

Phone: +61 (0)3 5331 4644

Email: [info@whiterockminerals.com.au](mailto:info@whiterockminerals.com.au)



ZINC & GOLD & SILVER



*“A diversified exploration and near-term production company”*



Red Mountain Zinc & Silver & Gold



Drilling at Mt Carrington



Mt Carrington gold deposits

# Disclaimer

The presentation (in this projected form and as verbally presented) ("Presentation") has been prepared by White Rock Minerals Limited and is provided on the basis that none of the Company nor its respective officers, shareholders, related bodies corporate, partners, affiliates, employees, representatives and advisers make any representation or warranty (express or implied) as to the accuracy, reliability, relevance or completeness of the material contained in the Presentation and nothing contained in the Presentation is, or may be relied upon as a promise, representation or warranty, whether as to the past or the future. The Company hereby excludes all warranties that can be excluded by law.

The Presentation contains prospective financial material which is predictive in nature and may be affected by inaccurate assumptions or by known or unknown risks and uncertainties and may differ materially from results ultimately achieved.

The Presentation contains "forward-looking statements". All statements other than those of historical facts included in the Presentation are forward-looking statements. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward-looking statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Such risks include, but are not limited to, gold and other metals price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks and governmental regulation and judicial outcomes. The Company does not undertake any obligation to release publicly any revisions to any "forward-looking statement".

The Presentation contains general background information about the Company and its activities current as at the date of this presentation. The information in this Presentation is in summary form only and does not contain all the information necessary to fully evaluate any transaction or investment. It should be read in conjunction with the Company's other periodic and continuous disclosure announcements lodged with the ASX, which are available at [www.asx.com.au](http://www.asx.com.au) and other publicly available information on the Company's website at [www.whiterockminerals.com.au](http://www.whiterockminerals.com.au).

The information in this Presentation that relates to Exploration Results is based on information compiled by Mr Rohan Worland who is a Member of the Australian Institute of Geoscientists. Mr Worland is engaged by White Rock Minerals Ltd as a technical consultant. Mr Worland has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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'. The Exploration Potential described in this Presentation is conceptual in nature, and there is insufficient information to establish whether further exploration will result in the determination of a Mineral Resource. Mr Worland consents to the inclusion in this Presentation of the matters based on his information in the form and context in which it appears.

At the Mt Carrington Project the gold dominant Mineral Resources have been estimated using a cut-off of 0.5g/t Au except Red Rock, which uses a cut-off of 0.7g/t Au. All silver dominant Mineral Resources have been estimated using a cut-off of 25g/t Ag. The Strauss and Kylo Mineral Resource was prepared and reported in accordance with the JORC Code (2012) as per the ASX Announcement on 9 October 2017. The Red Rock, Guy Bell, Lady Hampden, White Rock, White Rock North and Silver King Mineral Resource was prepared and reported in accordance with the JORC Code (2004) as per ASX Announcements by White Rock Minerals Ltd on 13 February 2012, 11 July 2013 and 20 November 2013, and the ASX Announcement by Rex Minerals Ltd on 10 December 2008. The Resources figures have not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

The pit optimisation study used a Mineral Resource made up of a combination of Indicated and Inferred Resource blocks. There is a low 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 production target itself will be realised.

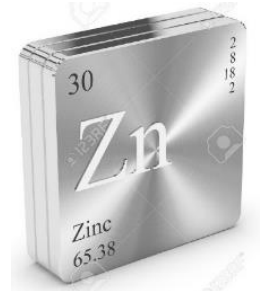
The Mt Carrington Ore Reserve information was prepared and first disclosed under the JORC Code (2012) as per the ASX Announcement by White Rock Minerals Ltd on 27<sup>th</sup> December 2017.

The Red Mountain Mineral Resource information was prepared and first disclosed under the JORC Code (2012) as per the ASX Announcement by White Rock Minerals Ltd on 26<sup>th</sup> April 2017. Zinc equivalent grades are estimated using long-term broker consensus estimates compiled by RFC Ambrian as at 20 March 2017 adjusted for recoveries derived from historical metallurgical testing work and calculated with the formula:  $ZnEq = 100 \times [(Zn\% \times 2,206.7 \times 0.9) + (Pb\% \times 1,922 \times 0.75) + (Cu\% \times 6274 \times 0.70) + (Ag \text{ g/t} \times (19.68/31.1035) \times 0.70) + (Au \text{ g/t} \times (1,227/31.1035) \times 0.80)] / (2,206.7 \times 0.9)$ . White Rock is of the opinion that all elements included in the metal equivalent calculation have reasonable potential to be recovered and sold.

This announcement contains references to exploration results, Mineral Resource estimates and ore Reserve estimates, all of which have been cross-referenced to previous market announcements by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and in the case of estimates of Mineral Resources and Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

# OVERVIEW

1. Overview of White Rock Minerals
2. The Right Commodities - zinc, silver and gold
3. The Investment Opportunity
4. The Assets:-
  - Red Mountain, Alaska
  - Mount Carrington, New South Wales
5. Appendices





# Two company-making assets

## Mount Carrington, New South Wales

- Gold and Silver development asset.
- JORC resources<sup>1</sup>
  - ✓ **341,000 ounces of gold and 23.2 million ounces silver.**
  - ✓ **Maiden JORC Reserve of 159,000 ounces gold.**
- A Gold-First Pre-Feasibility Study completed.
- 230km south of Brisbane.
- Extensive mining infrastructure in place.
- Drill-ready exploration targets identified to expand and / or extend mine life.

<sup>1</sup> The Mt Carrington project hosts JORC estimates of Inferred and Indicated resources, and a Probable Reserve – refer cautionary statement on slide 3



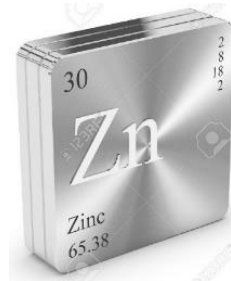
## Red Mountain, Alaska

- Polymetallic VMS deposits.
- JORC resources<sup>2</sup>
  - ✓ **Impressive base metal and precious metal content with 678,000t zinc, 286,000t lead, 53.5 million ounces silver and 352,000 ounces gold.**
- 100km south of Fairbanks, close to extensive mining infrastructure in a mining friendly jurisdiction.
- Significant potential exploration upside in a highly prospective yet under-explored district.
- Outstanding grades from surface and open at depth and at places along strike.

<sup>2</sup> The Red Mountain project hosts JORC estimates of Inferred resources – refer cautionary statement on slide 3

# Commodity profile – what we are in to

✓ **Zinc** – in demand



✓ **Silver** – good upside growth potential



✓ **Gold** – important in any investment portfolio



✓ **JORC Resources across our two projects total:-**

➤ 693,000 ozs gold, 76.7M ozs silver,

➤ 678,000 t zinc, 286,000 t lead

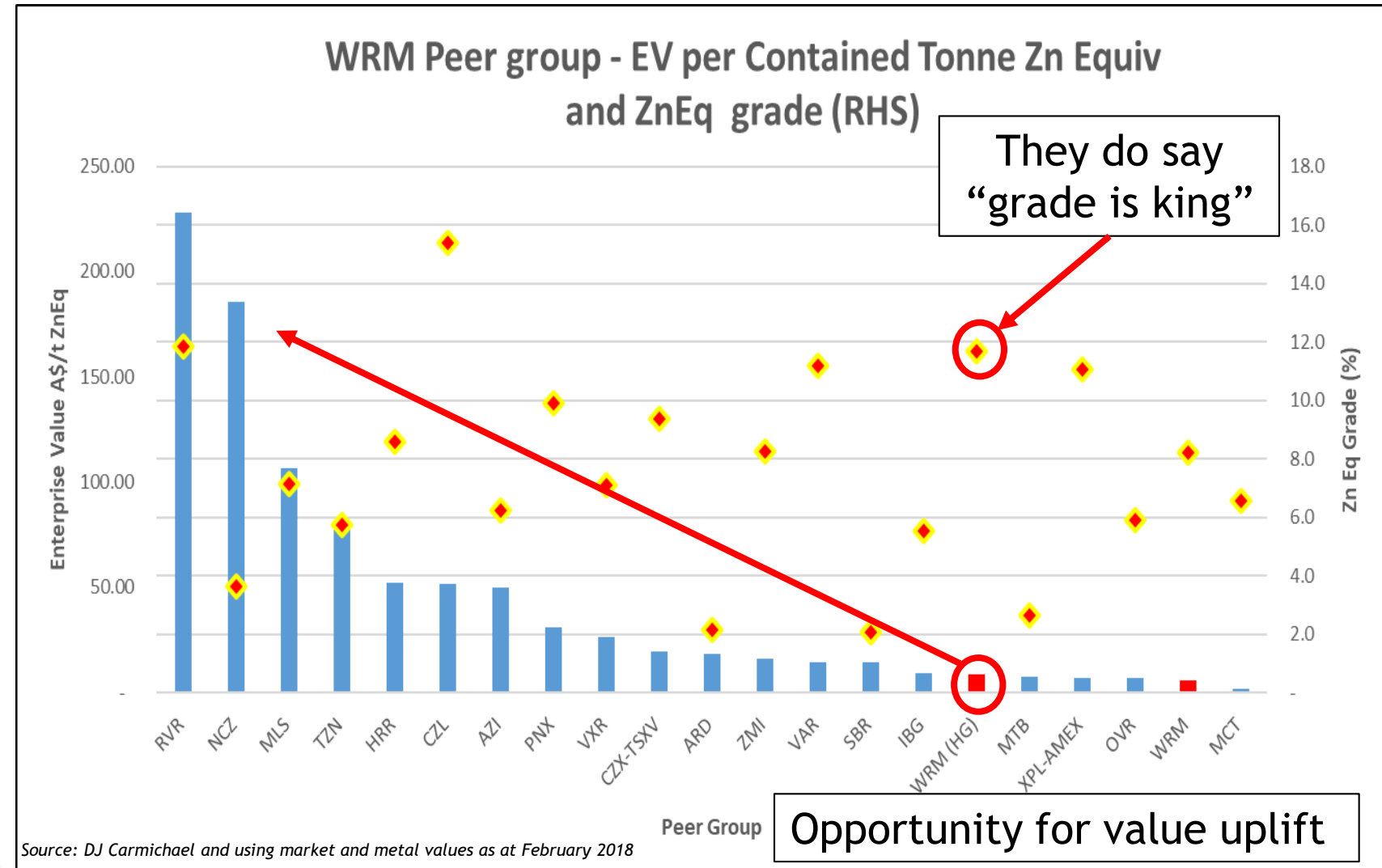
# The Investment Opportunity

- ✓ **The Red Mountain Project is already a globally significant undeveloped zinc VMS Project – 12.9% ZnEq<sup>1</sup> grade.**
  - However, there has been no modern exploration on this Project for over 10 years.
  - A planned exploration campaign in 2018 aims to increase the known zinc – silver – lead – gold JORC resource.
  - This exploration campaign also aims to discover further zinc – silver – lead – gold deposits at Red Mountain.
- ✓ **This exploration program should generate high levels of news flow.**
- ✓ **There exists a strong potential for significant rerating when compared to our zinc and gold peer groups.**
- ✓ White Rock offers geological, geographical and commodity diversification for investors – Australia and USA.
- ✓ **Highly credentialed and highly regarded management team and board.**
- ✓ White Rock also has a second 100% owned project - The Mt Carrington Gold First Stage Pre-Feasibility Study has been done, delivering a maiden Reserve and with the first 4 ½ years of gold production from two pits already pre-stripped.
  - and with 8 million ounces of silver classified as Indicated Resource to follow.



# Under-valued Relative to our Zinc Peers

- The ASX provides limited opportunities for exposure to zinc production and project development assets.
- The peer group suggests that WRM has significant potential for a market rerating.
- Excludes any upside from:
  - exploration potential at Red Mountain
  - No value attributed to White Rock's Mount Carrington gold and silver Project.



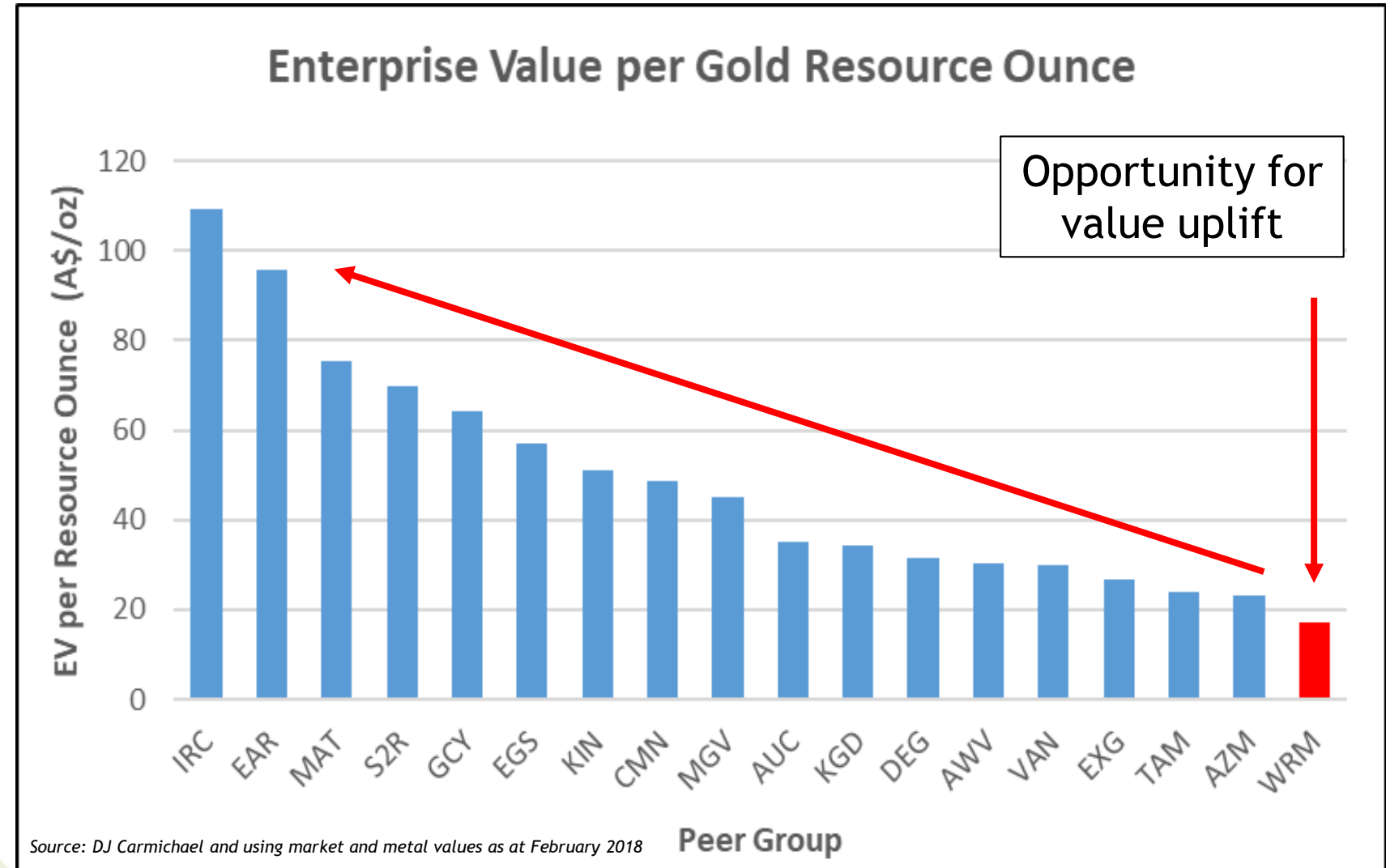


# Under-valued Relative to our Gold Peers

- The ASX provides many opportunities for exposure to gold production and project development assets.
- The peer group suggests that WRM has significant potential for a market rerating.

## NB:-

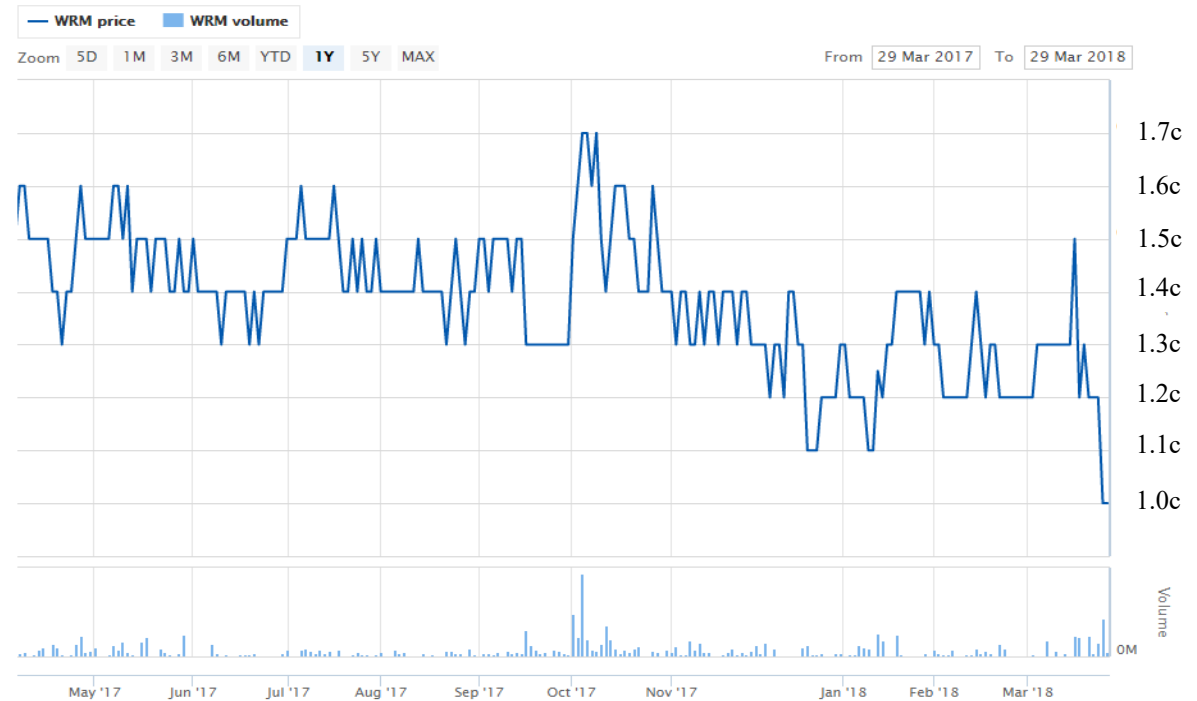
- Excludes any value or upside for our globally significant Red Mountain zinc - silver VMS Project



# White Rock Minerals

## Capital Structure

- ASX Code: WRM
- Fully paid shares on issue 1,271M
  - Options unlisted 310M
- Share price range (12 months) 1c – 2c
- Market Cap (@ ~1c/share) \$12M
- Debt \$Nil
- **Cash on hand (Dec 2017) \$1.4M**
- [Successfully completed a Placement & Entitlement Offer to shareholders – raised \\$3.6M](#)
- [Another \\$1.6M to place](#)
- Top 20 Shareholders (as at end March 2018)
  - HSBC Custody Noms 10.5%
  - Avalon Ventures 7.4%
  - Citicorp Noms 6.2%
  - Suetone P/L 5.7%
- Top 20 47.9%**



## PROJECTS (100% owned)

- **Red Mountain, Alaska** **Zinc and Silver and Gold**
  - Advanced exploration with a JORC Resource
- **Mt Carrington, NSW** **Gold and Silver**
  - JORC Resource and Reserve on an ML and with an advanced DFS

# Highly experienced Board and Management Team

## **Brian Phillips**

Non Executive Chairman  
AWASM (Mining), FAusIMM, C Eng



## **Mining Engineer**

45 years operational and corporate experience.  
Founding Director.  
Chairman - Panoramic Resources Ltd (Ni-Au-PGM)

## **Peter Lester**

Non-Executive Director  
B.E (Mining), MAusIMM, MAICD



## **Mining Engineer**

40 years operational and corporate experience  
Director since April 2013  
Non-Exec Director of Nord Gold NV (Au), Millennium Minerals Ltd (Au)  
Past Chairman Kidman Resources (Au & Li) and Doray Minerals (Au)

## **Ian Smith**

Non-Executive Director  
B.E (Hons, Mining), BF in Admin, FIEAust, FAusIMM



## **Mining Engineer**

40 years technical, operational, financial and strategic expertise.  
Previously MD & CEO of Newcrest and Orica  
Held executive roles with Rio Tinto, WMC, Pasminco and CRA  
Joined the Board in 2017

## **Matt Gill**

MD & CEO  
B.Eng (Hons, Mining), M.Eng.Sc, FAusIMM, GAICD



## **Mining Engineer**

35 years operational, technical, project development and corporate experience, as a GM, COO, CEO and MD, in Australia and overseas (PNG, India, Bolivia, Ghana and Myanmar)  
Non-Exec Director of AuStar Gold (Au)

## **Jeremy Gray**

Non-Executive Director  
B.C (Hons, Finance)



## **Corporate Finance**

23 years in mining investment including with Standard Chartered Bank, Morgan Stanley and Credit Suisse  
Managing Partner of Cartesian Royalty Holdings, Singapore  
Non-Executive Director of Axiom Mining  
Joined the Board in 2017



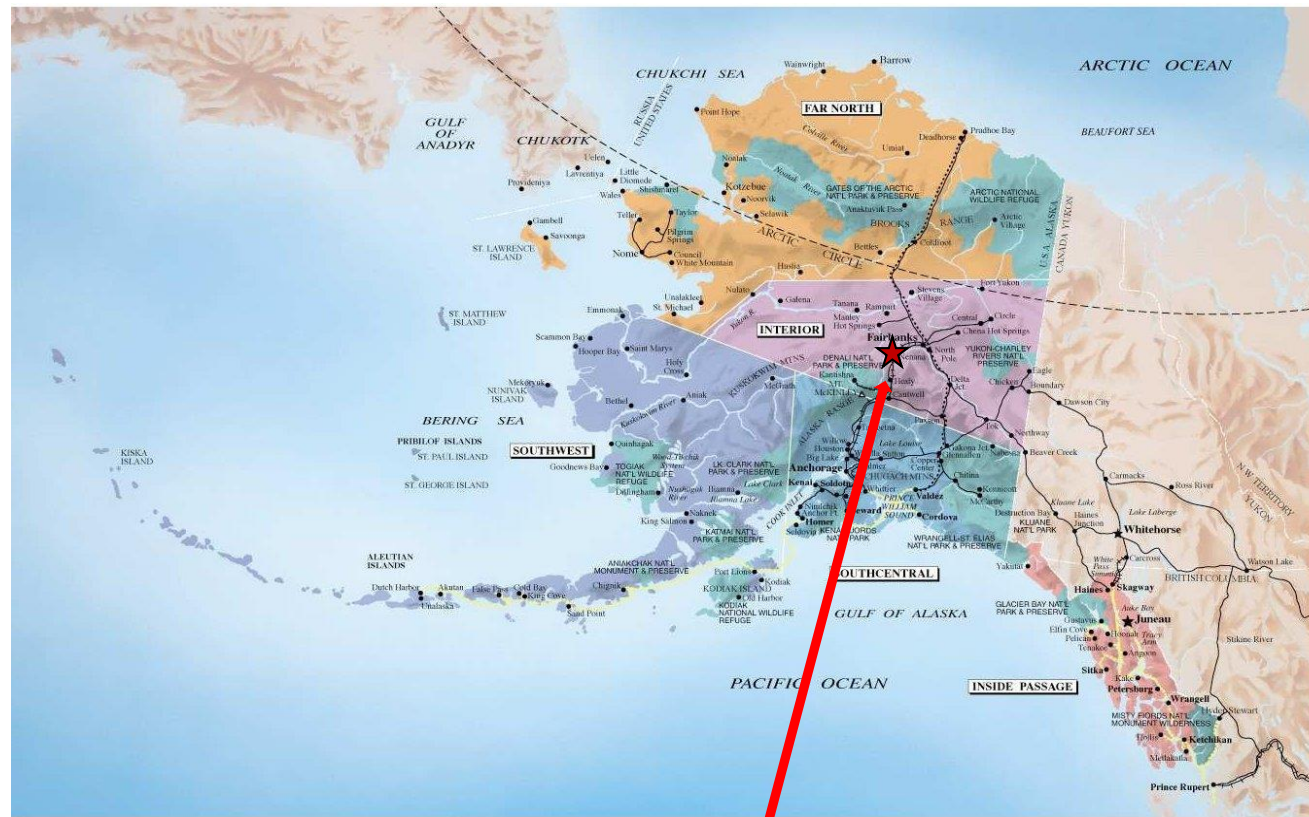
# Red Mountain Project, Alaska

Maiden JORC 2012 Resource places the Red Mountain Project in the top quartile of undeveloped high-grade VMS (zinc, silver, gold) deposits globally<sup>1</sup>.

High grade resource: 9.1Mt @ 12.9% ZnEq  
(using a 3% Zn cut-off grade)  
within the existing 16.7Mt @ 8.9% ZnEq  
global resource.

**Last drilled in the 1990s**

<sup>1</sup> Refer to WRM release to the ASX of 26 April 2017 – “Maiden JORC Mineral Resource at Red Mountain Zinc Silver Project”



Well supported by  
surrounding infrastructure

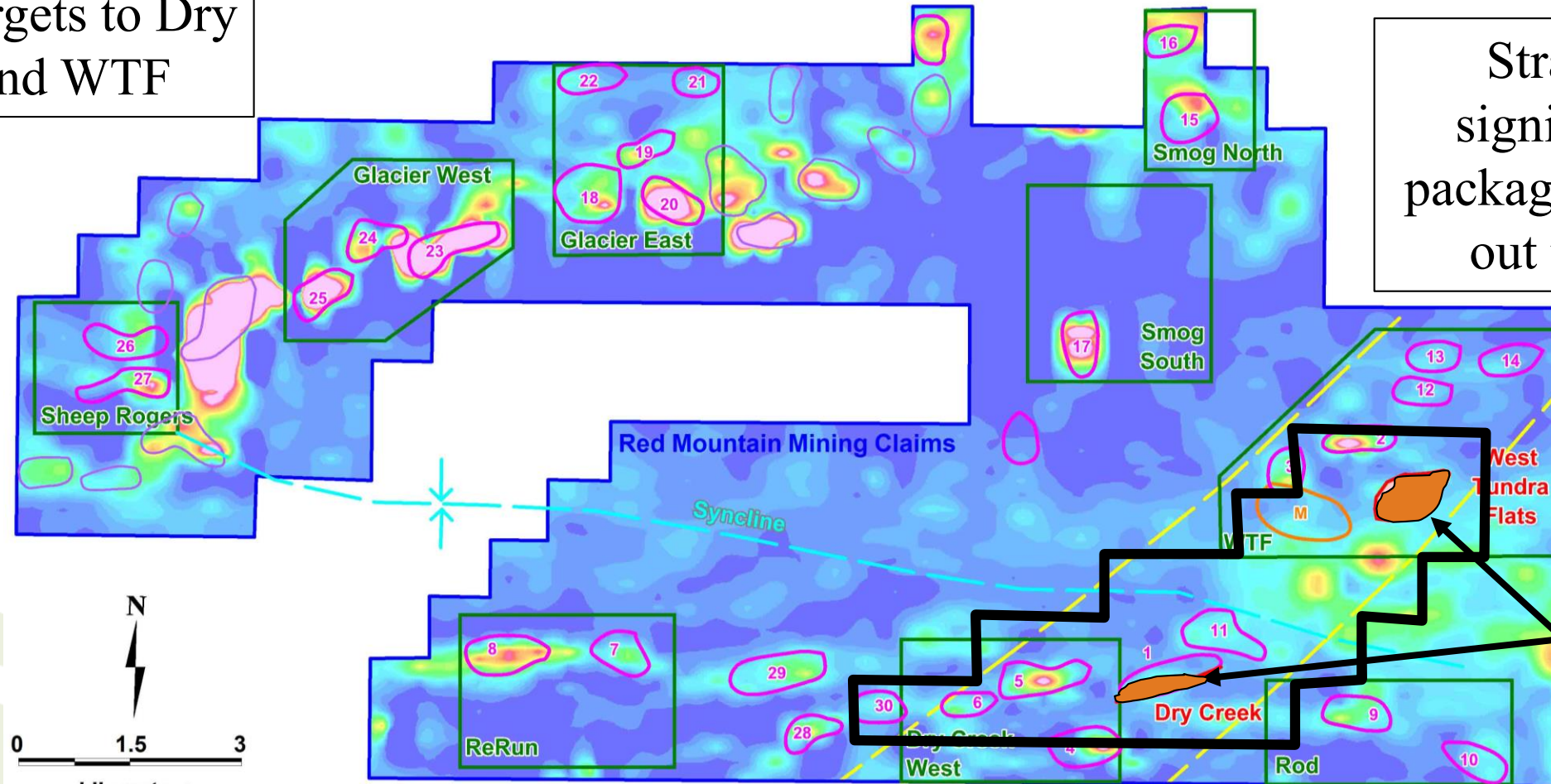




Identified 30 look alike targets to Dry Creek and WTF

## Priority Conductivity Targets

Strategically significant land package – expanded out to 143km<sup>2</sup>



Existing deposits  
& claims area

Conductivity targets prioritised by geochemistry:

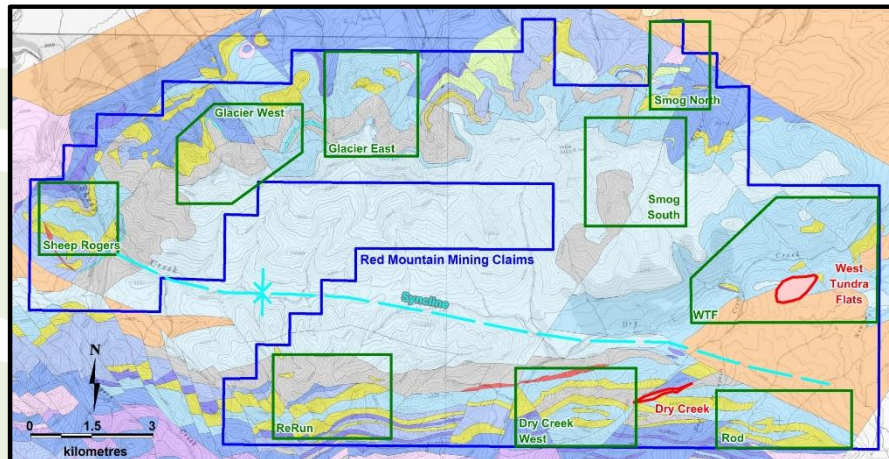
- Geochemical alteration proximal to VMS mineralisation
- Direct base metal and precious metal anomalies



# Historic Work – Resource Potential

- **Polymetallic VMS project – zinc and silver rich\***
- Discovered in 1975 – sulphide outcrop
- Historic exploration from 1975-1999
- Two deposits discovered:
  - Discovery / Fosters (Dry Creek)
  - West Tundra Flats (WTF)
- Mineralisation from surface
- Good preliminary metallurgical test work results with recoveries >90% zinc, >75% lead, >80% gold, >70% Ag
- **143km<sup>2</sup> land position established – highly prospective.**

Multiple shallow intercepts indicate potential for stacked high-grade lodes



## Dry Creek

**36.1m** @ 6.2% Zn, 183g/t Ag, 2.5% Pb, 1.0 g/t Au and 0.2% Cu from 6.1m including  
 4.6m @ **23.5% Zn**, **531g/t Ag**, **8.5% Pb**, 1.5g/t Au & 1.0% Cu from 6.1m  
**68.9m** @ 4.0% Zn, 58g/t Ag, 1.8% Pb, 0.3g/t Au & 0.1% Cu from 17.6m including  
 4.9m @ 10.1% Zn, 86g/t Ag, 4.9% Pb, 0.3g/t Au & 0.2% Cu from 53.8m  
 5.5m @ **25.9% Zn**, **346g/t Ag**, **11.7% Pb**, **2.5g/t Au** & 0.9% Cu from 69.5m  
 7.1m @ 15.1% Zn, 334g/t Ag, 6.8% Pb, 0.9g/t Au & 0.3% Cu from 39.1m

## West Tundra Flats

1.3m @ **21.0% Zn**, **796g/t Ag**, **9.2% Pb**, **10.2g/t Au** & 0.6% Cu from 58.6m  
 3.0m @ 7.3% Zn, **796g/t Ag**, 4.3% Pb, 1.1g/t Au & 0.2% Cu from 160.9m  
 1.7m @ 11.4% Zn, 372g/t Ag, 6.0% Pb, 1.7g/t Au & 0.2% Cu from 104.3m

Refer to WRM release to the ASX of 15 February 2016 –  
 “White Rock Minerals Propose to Acquire VMS Project in Alaska”



# Red Mountain JORC 2012 Resource Estimate

## Tonnes and Grade

## Contained Metal

Prospect	Cut-off	Tonnage	ZnEq	Zn	Pb	Ag	Cu	Au	ZnEq	Zn	Pb	Ag	Cu	Au
		Mt	%	%	%	g/t	%	g/t	kt	kt	kt	Moz	kt	koz
Dry Creek Main	1% Zn	9.7	5.3	2.7	1.0	41	0.2	0.4	514	262	98	12.7	15	123
West Tundra Flats	3% Zn	6.7	14.4	6.2	2.8	189	0.1	1.1	964	416	188	40.8	7	229
Dry Creek Cu Zone	0.5% Cu	0.3	3.5	0.2	0.04	4.4	1.4	0.1	10	0.5	0.1	0.04	4	1
<b>Total</b>		<b>16.7</b>	<b>8.9</b>	<b>4.1</b>	<b>1.7</b>	<b>99</b>	<b>0.2</b>	<b>0.7</b>	<b>1,488</b>	<b>678</b>	<b>286</b>	<b>53.5</b>	<b>26</b>	<b>352</b>

**Table 1 Red Mountain April 2017 Inferred Mineral Resource Estimate\***

*The Red Mountain project hosts JORC estimates of Inferred resources – refer cautionary statement on slide 2*

Prospect	Cut-off	Tonnage	ZnEq	Zn	Pb	Ag	Cu	Au	ZnEq	Zn	Pb	Ag	Cu	Au
		Mt	%	%	%	g/t	%	g/t	kt	kt	kt	Moz	kt	koz
Dry Creek Main	3% Zn	2.4	8.7	4.7	1.9	69	0.2	0.4	211	115	46	5.3	5	32
West Tundra Flats	3% Zn	6.7	14.4	6.2	2.8	189	0.1	1.1	964	416	188	40.8	7	229
<b>Total</b>		<b>9.1</b>	<b>12.9</b>	<b>5.8</b>	<b>2.6</b>	<b>157</b>	<b>0.1</b>	<b>0.9</b>	<b>1,176</b>	<b>531</b>	<b>234</b>	<b>46.1</b>	<b>12</b>	<b>260</b>

**Table 2 - Red Mountain April 2017 Inferred Mineral Resource Estimate at a 3% Zn Cut-off\*  
(contained within Table 1, not additional)**

\* Refer ASX Announcement of 26 April 2017 “Maiden JORC Mineral Resource at Red Mountain Zinc Silver Project”



# Red Mountain – A globally significant Project<sup>2</sup>

The Red Mountain Project is in the top quartile of undeveloped high-grade VMS (zinc, silver, gold) deposits globally<sup>1</sup>.

<sup>1</sup> Source:- IIR Report, July 2017. ASX Release 11 July 2017.

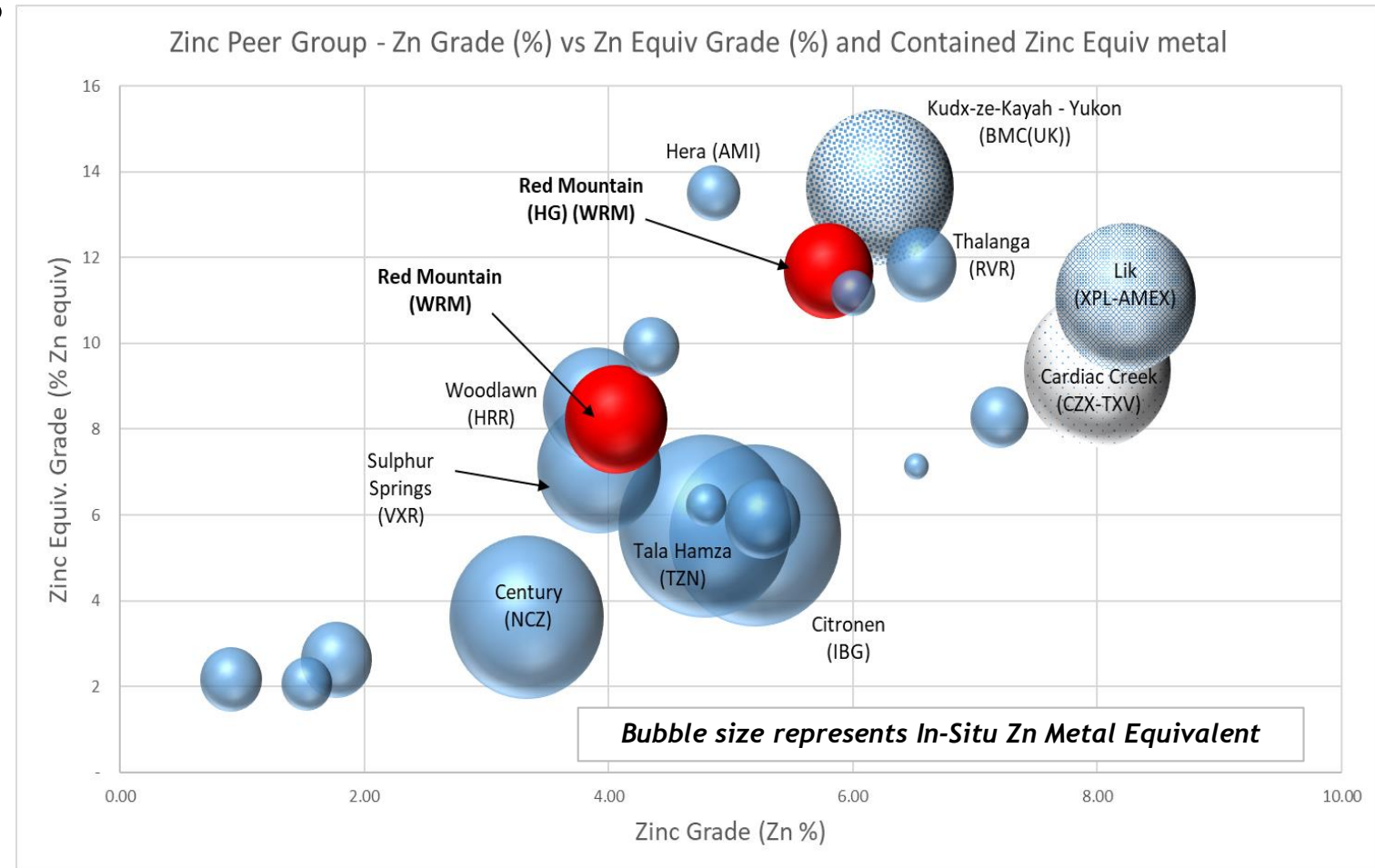
**High grade component:** Within the existing global resource is a high-grade resource of **9.1Mt at 12.9% Zn equivalent** (using a 3% Zn cut-off grade).

**This places Red Mountain as one of the highest grade and more significant deposits of any zinc company listed on the ASX<sup>2</sup>.**

<sup>2</sup> Source:- DJ Carmichael Report, September 2017. ASX Release 26 September 2017.

**Additional scale potential from exploration.**

Impressive base metal and precious metal content with 678,000t zinc, 286,000t lead, 53.5 million ounces silver and 352,000 ounces gold.



Source: DJ Carmichael and using market and metal values as at February 2018

# RED MOUNTAIN PROPOSED EXPLORATION PROGRAM FOR 2018

## OBJECTIVES

1. Validate existing deposits.
2. Expand known Resources.
3. Make new discoveries.

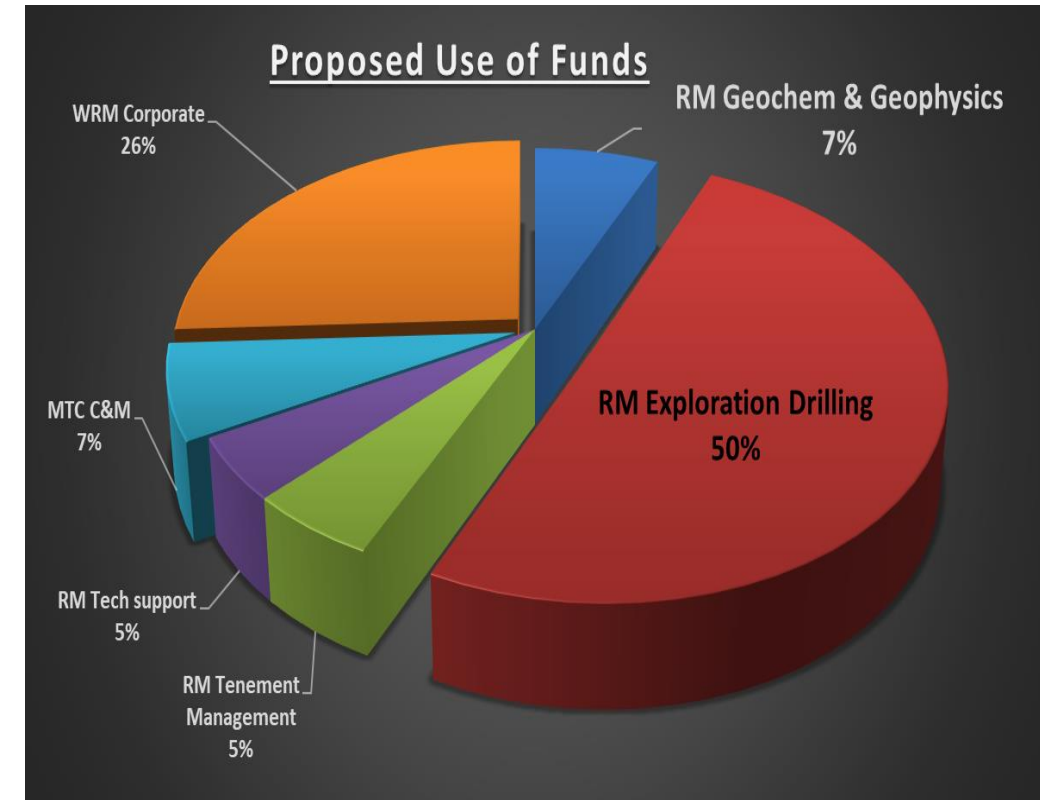
## EXPLORATION STRATEGY

### 1. Existing Deposits:

- a. 5-10 holes to confirm and gather knowledge at Dry Creek and WTF,
- b. 5-10 holes to test for extensions at Dry Creek and WTF.

### 2. New Targets – District Scale: Generate drill targets on the top 2-5 regional prospects:-

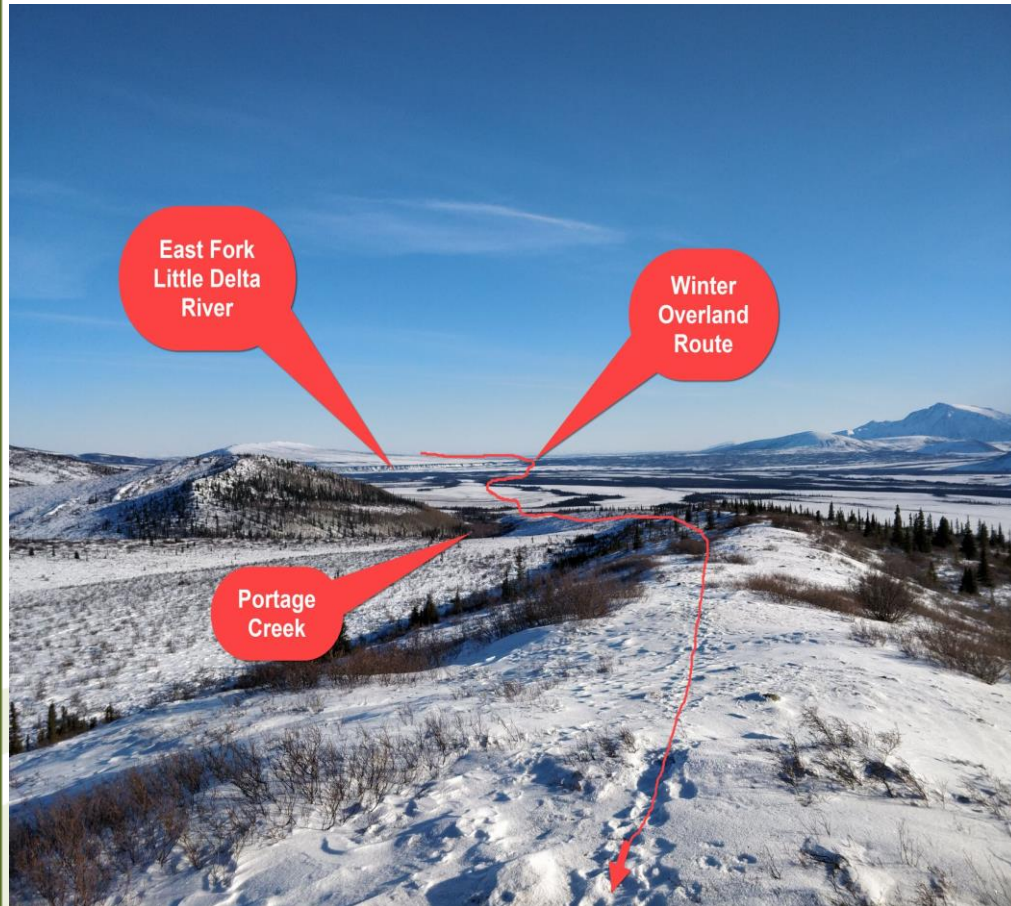
- a. Orientation ground geophysics on Dry Creek and WTF,  
– EM, gravity, CSAMT, IP, magnetics,
- b. Prioritise top 30 conductivity targets,
- c. Mapping and surface soil geochemistry on top 5 prospects,
- d. New ground geophysics surveys on top 2-5 prospects,
- e. Drill test best new targets: 5-10 holes.



For further information:-  
refer to ASX Announcement by WRM on 18<sup>th</sup> December 2017:-  
“WRM - Exploration Program Planned – Red Mountain Zinc Project”



## Red Mountain - Local terrain



**Figure above:-** Route looking east towards Delta Junction.

**Figure below:-** Route looking west towards Red Mountain and the camp site.



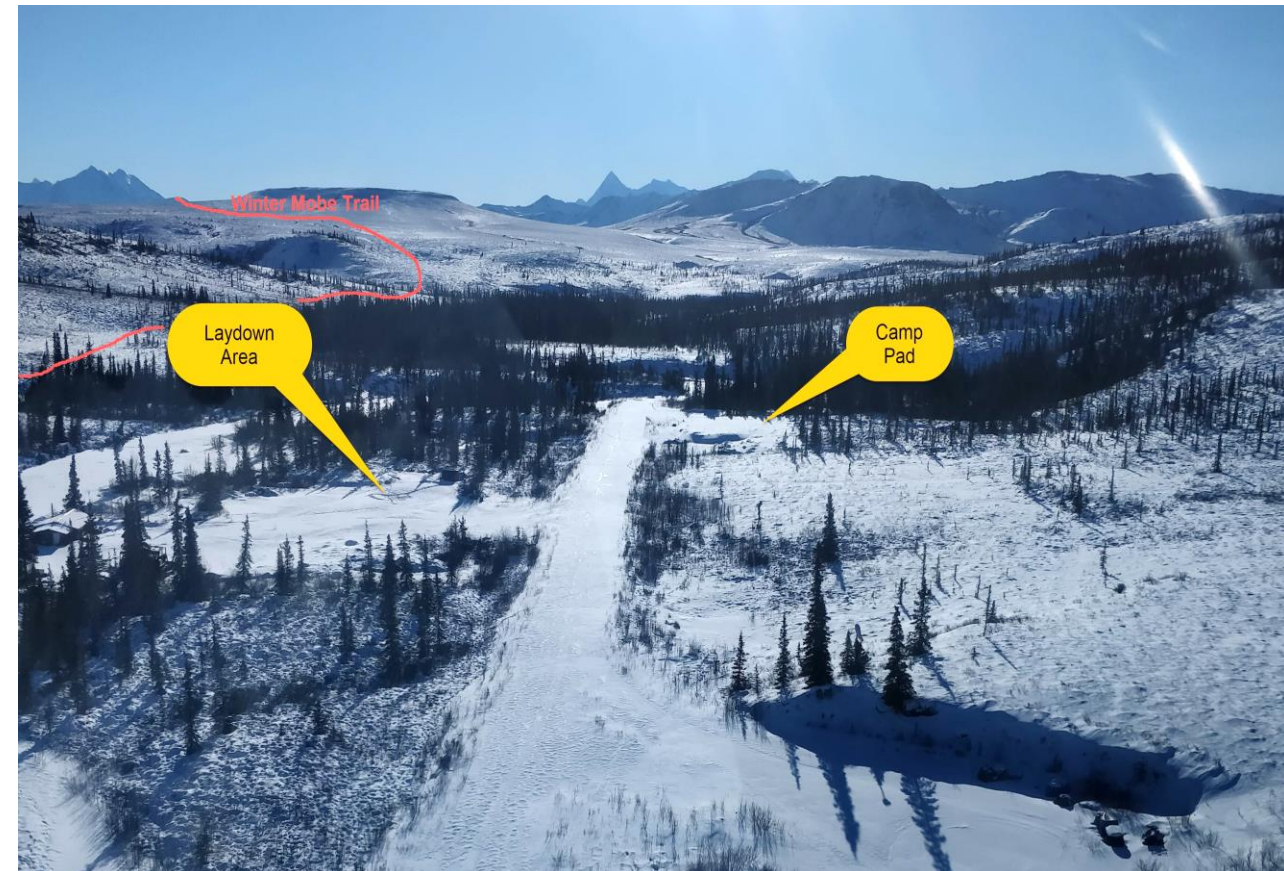


# Red Mountain – Drilling will happen!



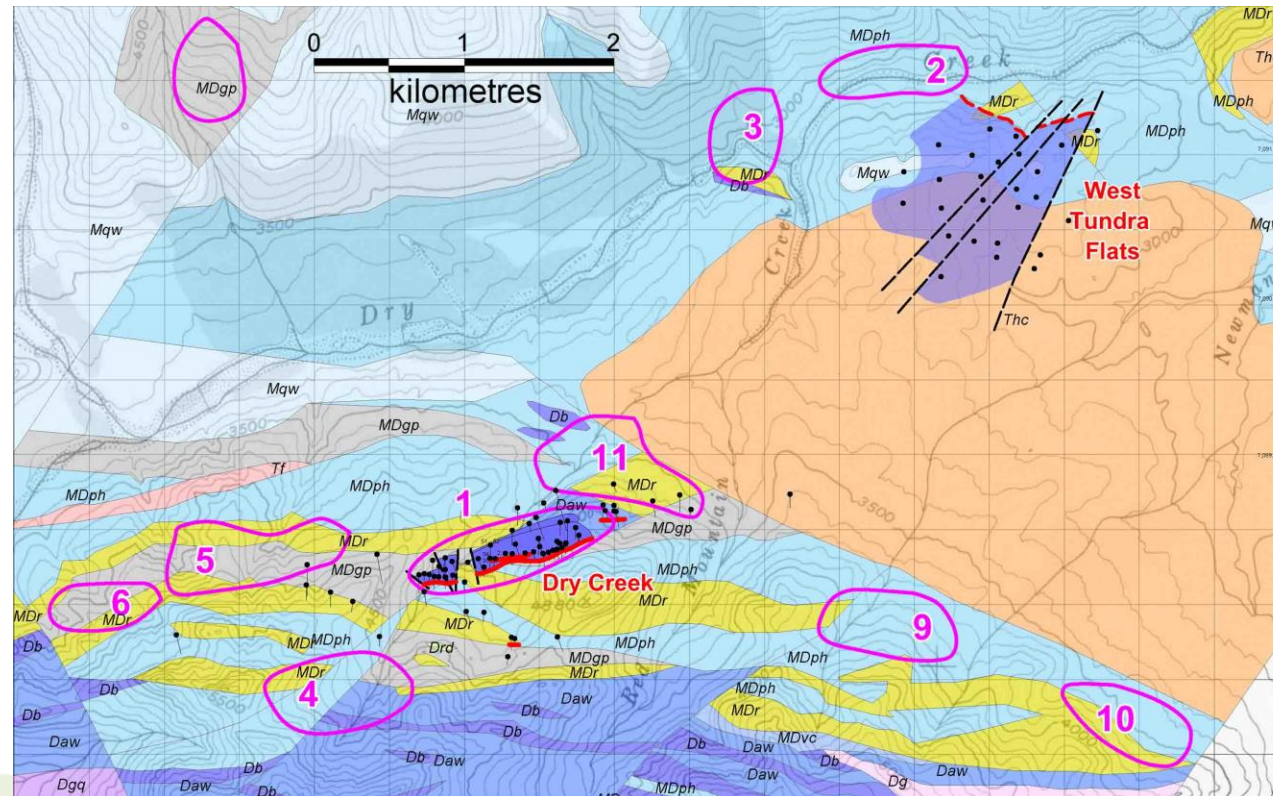
**Figure 1:** Mobilisation of the diamond drill rig and camp accommodation, following a man-made fire break through the forested section of the Fort Greely Training grounds.

**Figure 2 below:** Newman Creek airstrip and camp location (with the Red Mountain Project to the west (right)).





# RED MOUNTAIN PROPOSED EXPLORATION PROGRAM FOR 2018



Usibelli Group	Totatlanika Schist		Keivy Peak Formation
Thc Healy Creek Formation	Mqw Metasiliclastic Rocks	Db Metamafic Rocks	Dgq Grey to Black Quartzite, Quartz Schist and Graphitic Mica Schist
Igneous Rocks	MDph Grey, Green and Maroon Phyllite	Drd Metarhyodacite	Dcg Metaconglomerate
Tf Rhyolite Breccia Dykes	MDgp Graphitic to Carbonaceous Phyllite and Slate	Dg Metagranite	Healy Schist
	MDvc Metavolcaniclastic Rocks	Daw Arkosic Metawacke	PzPq Quartzite and Schist
	MDr Peralkaline Metarhyolite		

Location of the Dry Creek and West Tundra Flats VMS deposits (purple shape of mineralisation projected to surface) with drill hole traces and priority EM conductors on DGGs geology map (after Freeman et al., 2016).

**Note the lack of drilling that tests the priority conductivity anomalies numbered 2 through 11.**

Anomaly 1 is coincident with mineralisation at the Dry Creek deposit.

# Mount Carrington, New South Wales

- Gold and Silver near-term production asset.
- JORC Resource of 341,000 ozs gold and 23.2 million ounces of silver.
- Pre-Feasibility Study for the Gold First Stage done<sup>1</sup>.
- Maiden JORC Reserve of 159,000 ozs gold.





# Mt Carrington Site Layout

Key Infrastructure in place to support future mining.

Valued at ~A\$20M<sup>1</sup>

*Reduces development risk, timeframe  
and capital cost.*

- ✓ Granted Mining Leases
- ✓ 1.5Mt Tailings Dam
- ✓ 750ML Freshwater Dam
- ✓ Site Office
- ✓ RO Water treatment plant
- ✓ Access to State grid power



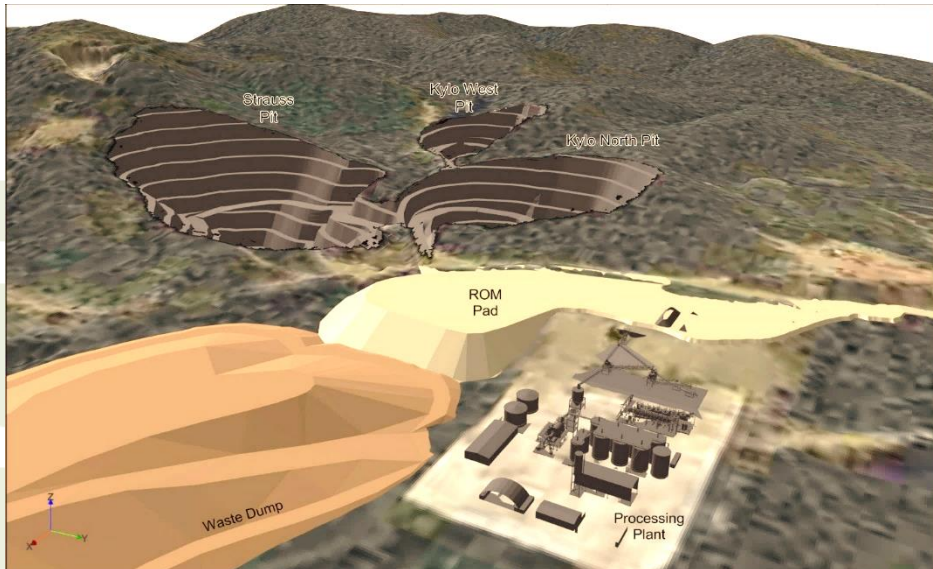
1 Refer ASX Announcement of 16 September 2014  
“Mt Carrington Gold Project Positive Scoping Study”



# Feasibility Study and Permitting commenced

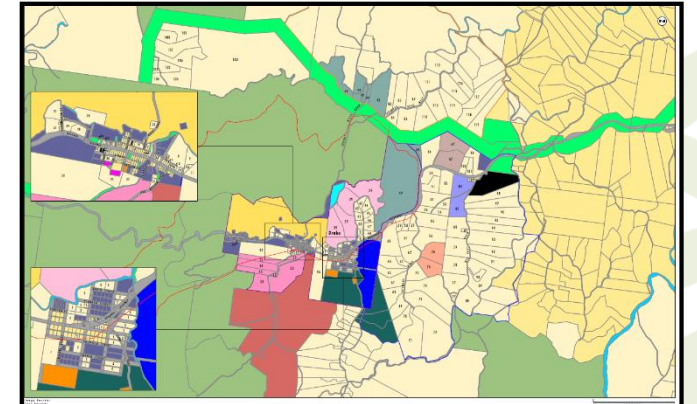
## PRE-FEASIBILITY STUDY (PFS) – GOLD FIRST STAGE<sup>1</sup>

- ✓ Maiden Ore Reserve declared: 159,000 ounces gold,
- ✓ A production rate of 1,000,000 tpa,
- ✓ Gold production of 35,000 ounces per annum, and
- ✓ Total gold produced of 148,000 oz gold over this initial 4 ½ year Gold First Stage.



## ENVIRONMENTAL IMPACT STATEMENT (EIS)

- ✓ Environmental Impact Assessment Baseline Studies occurring:-
  - Terrestrial ecology
  - Ground water study
  - Haulage study
  - Materials characterisation
  - Air and water quality monitoring ongoing
- ✓ Community Consultation and Social Impact Assessment strategy being developed



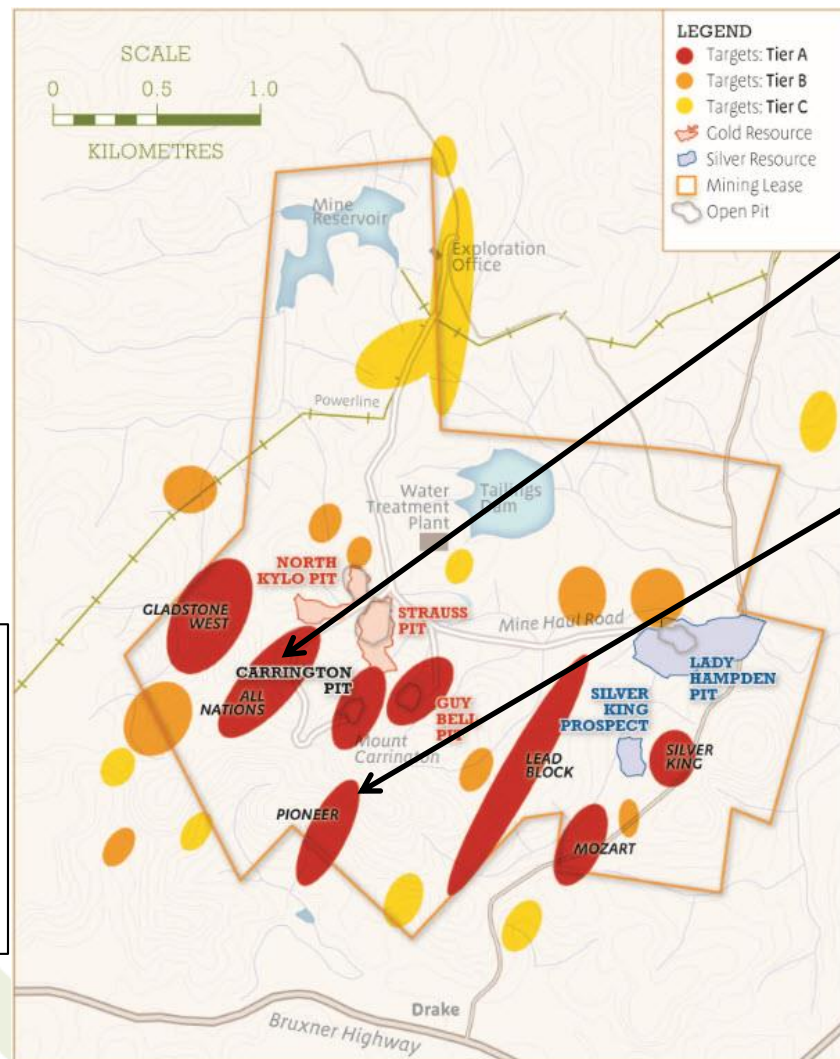


# Central Lease exploration potential for more resources

Potential to add  
more gold resources  
= a longer mine life



Silver resources in the  
Indicated category:-  
✓ 3.5Mt @ 73g/t Ag  
for 8.2M ounces



Multiple historic drill holes with shallow  
gold mineralisation yet to be followed-up.

## All Nations Zone – 2 targets

All Nations West – 400m strike potential not drilled

✓ 0.85m @ 18.2g/t Au from 76.5m (ANDD003)\*

✓ 0.4m @ 17.2g/t Au from 96.6m (ANDD003)\*

Four other zones (Kylo South, Pioneer, Carrington  
and Guy Bell) also with drill hole intersections yet  
to be followed up.

Significant copper potential remains to be tested  
beneath shallow mineralisation at Gladstone West.

\* Refer to ASX Announcement by Rex Minerals Ltd 28 September 2009

# Investment Case Summary

## Exposure to a globally significant zinc project

Red Mountain Project, Alaska

- High grade, large resource - top quartile for global VMS projects
- Established and supportive mining jurisdiction

## Exciting exploration upside

- The two known deposits remain open downdip and in some portions along strike, offering resource increase potential
- High-grade zinc and silver VMS potential from identified targets surrounding the known Red Mountain deposits

## Value growth and near term news flow

Potential for WRM to substantially rerate when compared to both the company's zinc and gold peer groups

Ongoing news flow from exploration and drilling campaigns at Red Mountain and a near-term production development project at Mt Carrington

## Jurisdictional diversification

Projects in Alaska and NSW, both low risk investment destinations

## Highly credentialed board and management team

Track record of delivering projects

## Mt Carrington gold / silver development

Development project with an advanced DFS and a maiden Reserve

- Reduced timeline to gold and silver production
- brownfields development and reduced capex requirement with infrastructure to support mining in place
- option on project financing in place



**PO Box 195**  
**Ballarat Vic 3353**

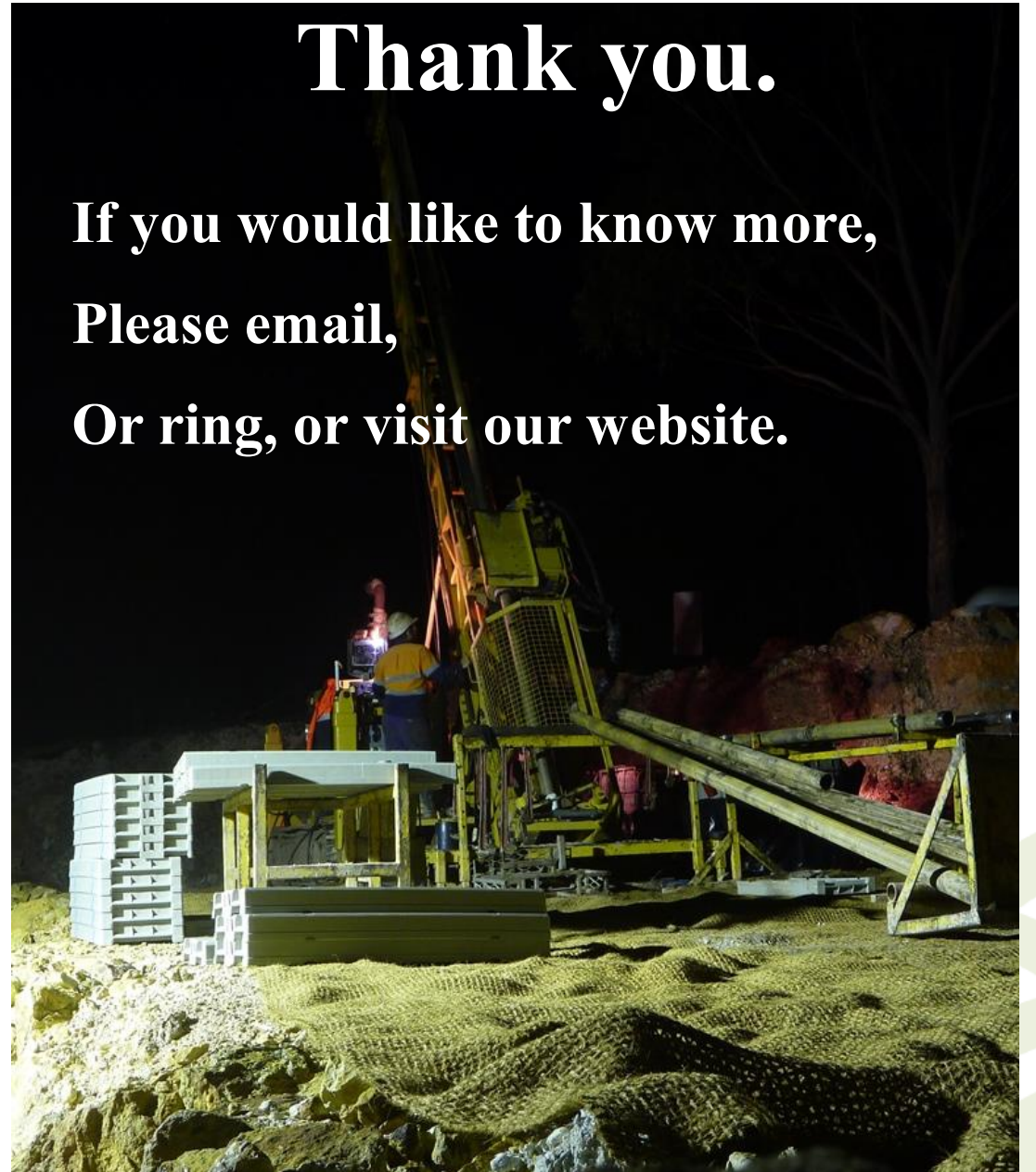
**Ph. +61 (0)3 5331 4644 (WRM office)**

**Email: [info@whiterockminerals.com.au](mailto:info@whiterockminerals.com.au)**

**Website: [www.whiterockminerals.com.au](http://www.whiterockminerals.com.au)**

# Thank you.

**If you would like to know more,  
Please email,  
Or ring, or visit our website.**



# Appendices

- **Red Mountain Back-up Information**
- **Mt Carrington Back-up Information**

# Management

**Rohan Worland**  
**Exploration Manager**  
BSc (Hons), Grad. Dip (F&I)  
MAIG



## **Geologist**

23 years exploration experience in Australia, Africa, North America, South America and New Zealand, including 14 years with Normandy and Newmont.

**Shane Turner**  
**Company Secretary & CFO**  
CA, B. Bus



## **Chartered Accountant**

29 years experience in Business Advisory, Initial Public Offerings, ongoing compliance and Corporate Governance.

Non-exec director, company secretary and CFO of MRG Metals Ltd.





# Red Mountain, Alaska

## Advanced Exploration Project



### 3. RED MOUNTAIN WORK LOCATION

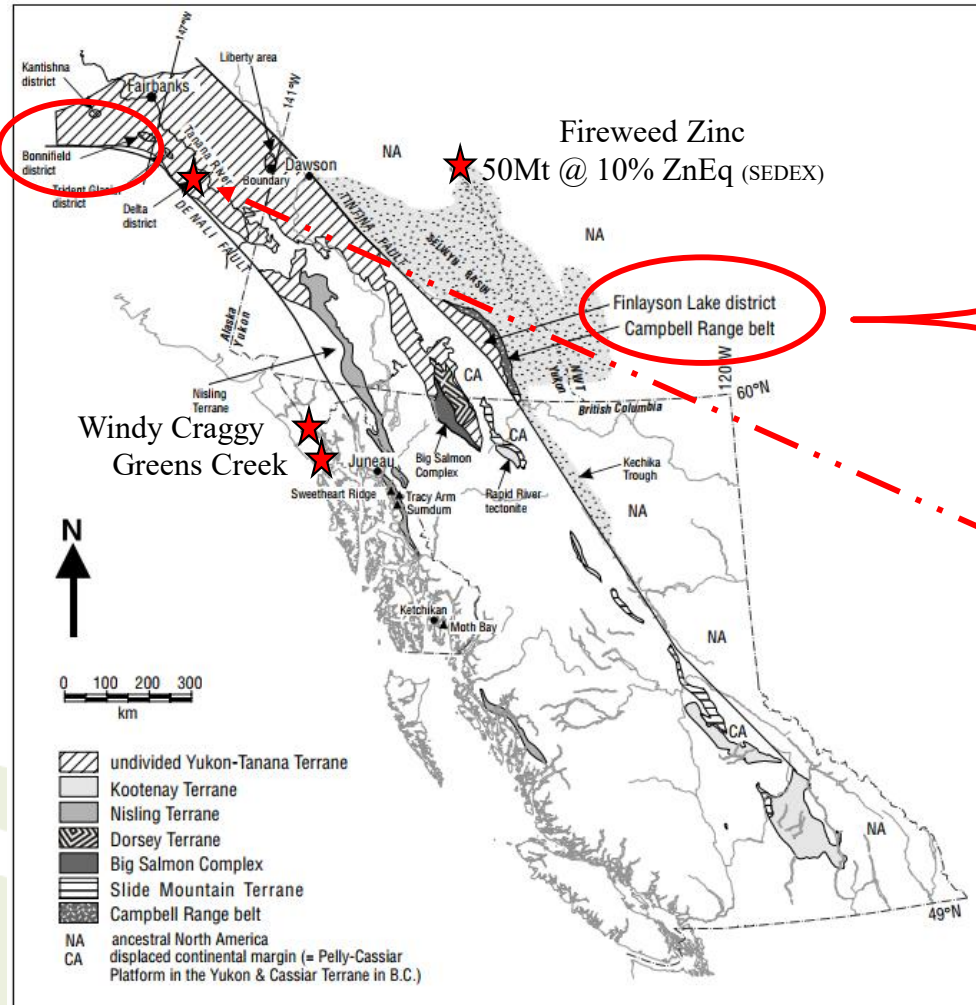


Figure 2. Distribution of the Yukon-Tanana Terrane, Kootenay, Nisling, Dorsey, and Slide Mountain terranes, Big Salmon Complex and Campbell Range belt. Also shown are the locations of Selwyn Basin, Cassiar terrane (CA) and Ancestral North America (NA). Modified from a figure by Joanne Nelson (written communication, 1997).

#### YUKON-TANANA TERRANE

##### Known VMS belt:-

- **KZK**  
19Mt @ 6.3% Zn, 1.9% Pb, 0.9% Cu, 148 g/t Ag, 1.4 g/t Au
- **Wolverine**  
6.2Mt @ 12.6% Zn, 1.5% Pb, 1.3% Cu, 370.9 g/t Ag, 1.7 g/t Au
- **GP4F**  
1.5Mt @ 6.4% Zn, 3.1% Pb, 0.1% Cu, 89.7 g/t Ag, 2.0 g/t Au
- **Delta (closest – 150km)**  
15.4Mt @ 3.8% Zn, 1.6% Pb, 0.6% Cu, 62 g/t Ag, 1.7 g/t Au

##### Red Mountain:-

16.7 Mt @ 4.1% Zn, 1.7% Pb, 0.2% Cu, 99 g/t Ag, 0.7 g/t Au

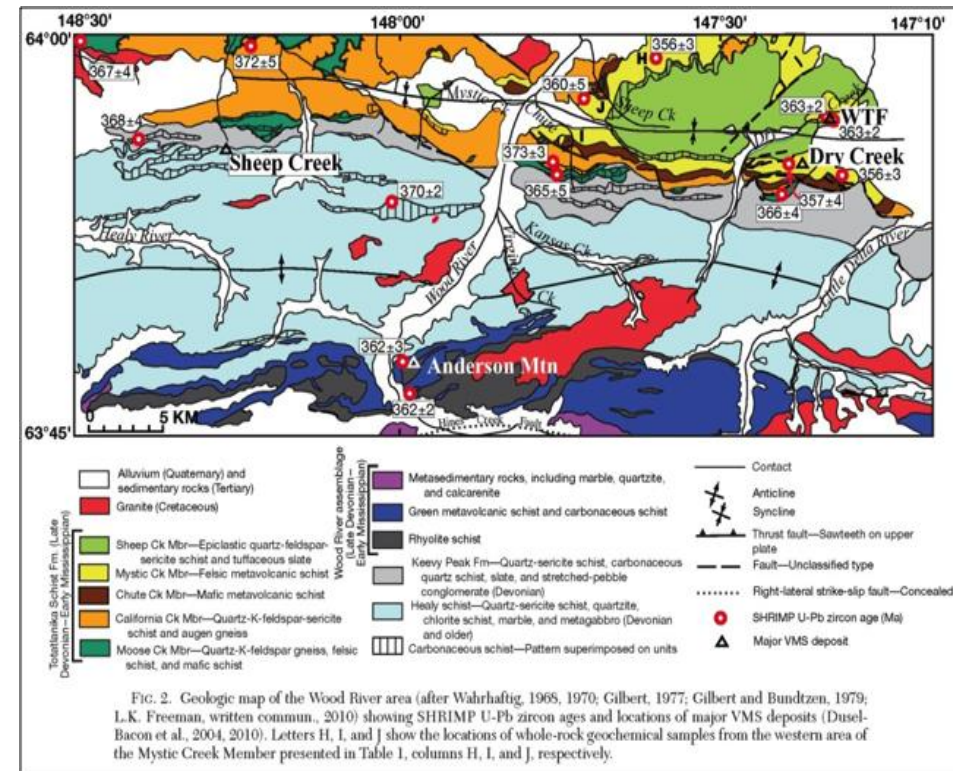
Including a high grade component :-

9.1 Mt @ 5.8% Zn, 2.6% Pb, 0.1% Cu, 157 g/t Ag, 0.9 g/t Au

# Red Mountain Geology and Mineralisation

- World class deposits with similar siliciclastic felsic associations to the Bonnifield district include:-
  - Rio Tinto (Cu-Zn-Pb-Au-Ag; Spain),
  - Brunswick 12 (Zn-Pb-Ag; Canada) and
  - Eskay Creek (Au-Ag-Zn-Pb; Canada).
- Analysis of worldwide VMS deposits of this type indicate promising exploration potential for Red Mountain:-
  - The deposits nearly always occur in clusters
  - The presence and spatial relationships of the two separate deposits at Red Mountain may prove to be a significant exploration vector for discovery of further deposits.

## Red Mountain - Regional Geology



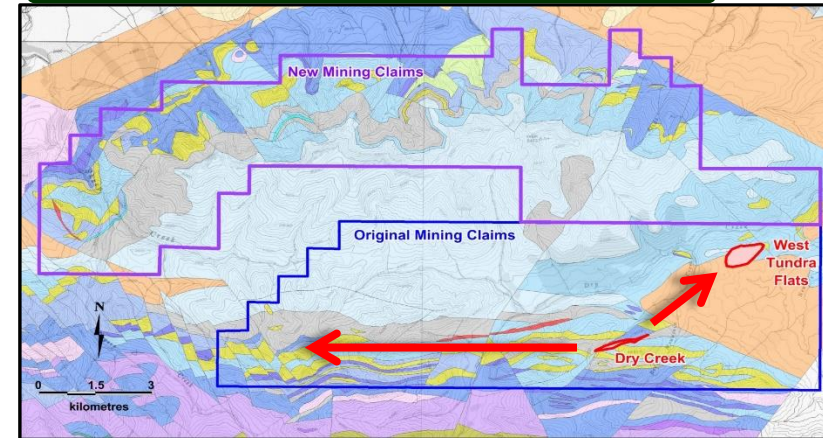
- ✓ White Rock Minerals has engaged world-renowned VMS expert, Dr. Jim Franklin, to assist with assessing the prospectivity of the district and targeting additional mineralisation.



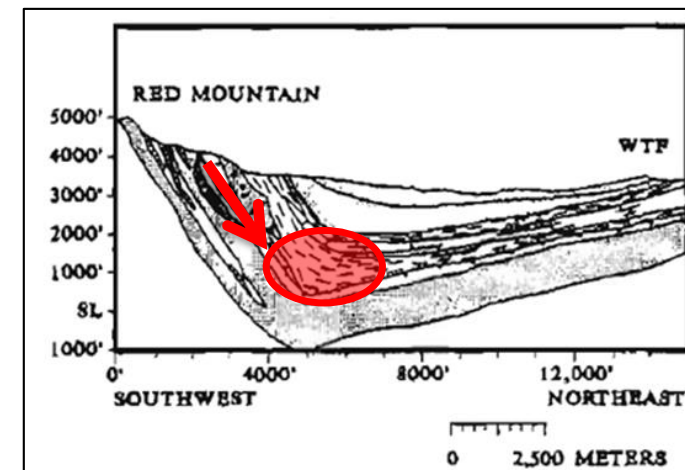
# Exploration Upside

- Historic data has been compiled in 3D and integrated with more recent airborne EM & magnetics flown by the Alaskan Geological Survey in 2007 to define a suite of high priority targets.
- Blue sky upside for significant new discoveries exist:
  - Immediately along strike east and west
  - Down dip as additional high grade lenses
  - The syncline between Red Mountain and WTF presents the obvious large tonnage target with potential for structural upgrade in the hinge.
- Analysis of the Red Mountain and WTF deposits in the context of similar VMS districts worldwide indicate:
  - ✓ VMS deposits typically occur in clusters (“VMS camps”) at regular spacing. Deposit sizes within camps follow a log normal distribution. Modern exploration has not been applied.
  - ✓ The massive sulphides occur as stacked lenses, with additional potential in the hangingwall and footwall that remains untested
  - ✓ There is potential for a significantly enriched gold zone in the hangingwall of the deposit which may have been missed by previous explorers
  - ✓ Historic drilling shows increasing grade with depth that remains untested.

Red Mountain Claim Coverage

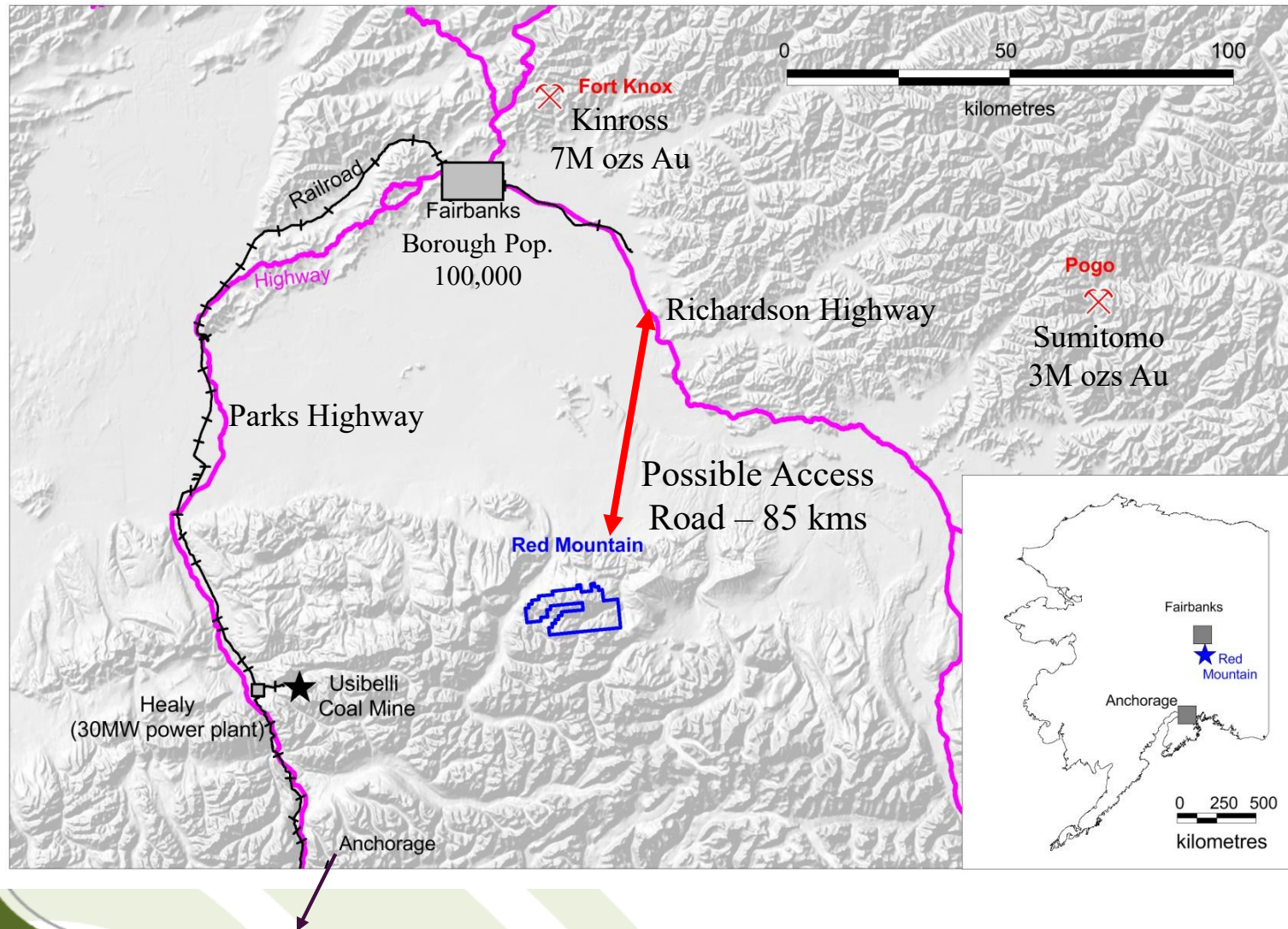


Red Mountain - WTF Schematic Cross Section



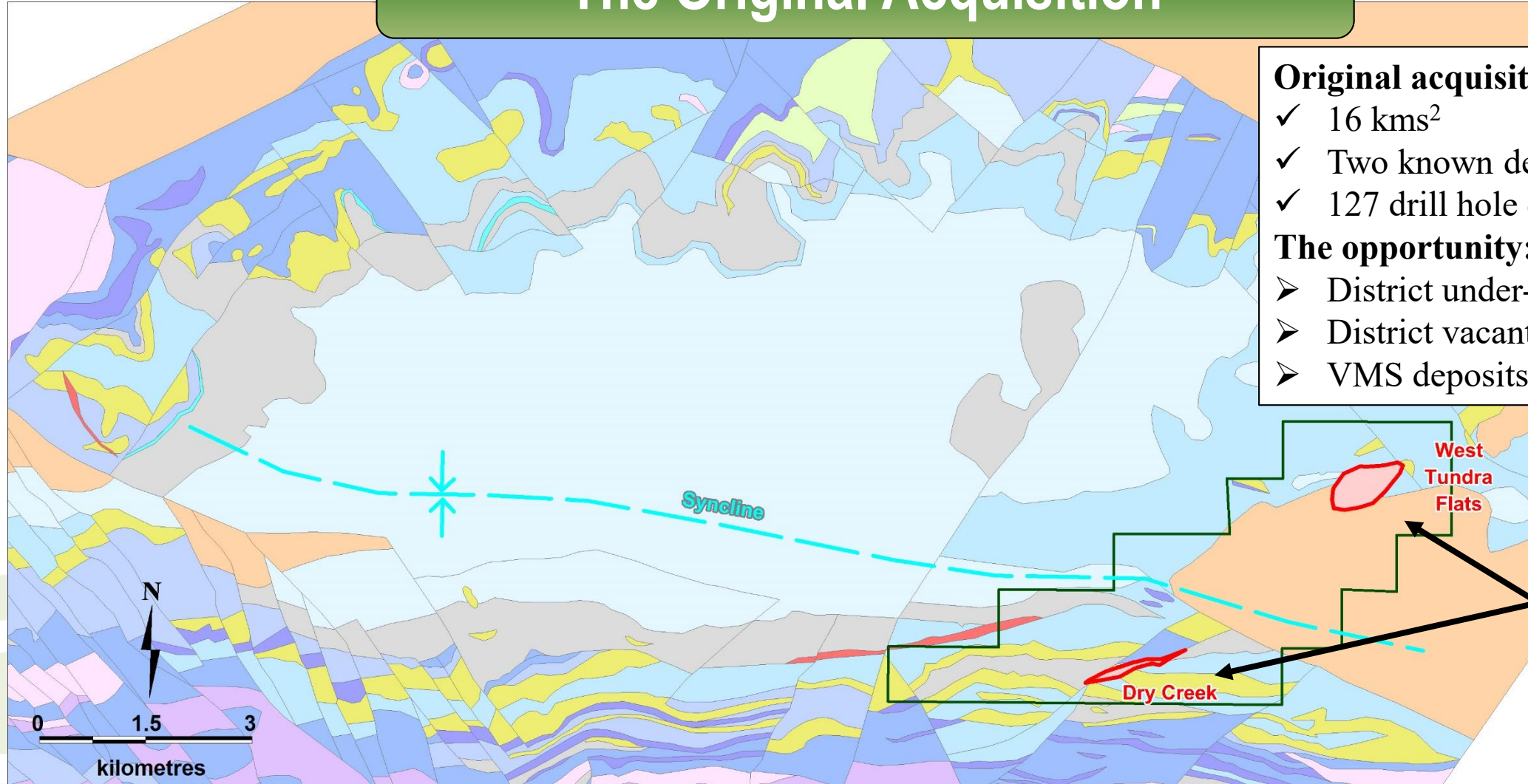


# Project Overview- Red Mountain Alaska



- ✓ Alaska ranked 10<sup>th</sup> out of 93 jurisdictions by the Fraser Institute (up 4 places from 2016).
- ✓ Red Mountain Project - central Alaska location.
- ✓ Well located with respect to infrastructure and logistics:-
  - Major road and rail access located 80km west, and 85km north,
  - Connection to the port of Anchorage 400km south,
  - Access to fresh water,
  - No community or environmental legacy issues,
  - Established mining hub at Fairbanks; services mines including Pogo, Fort Knox and Usibelli.

# The Original Acquisition



## Original acquisition

- ✓ 16 kms<sup>2</sup>
- ✓ Two known deposits
- ✓ 127 drill hole database

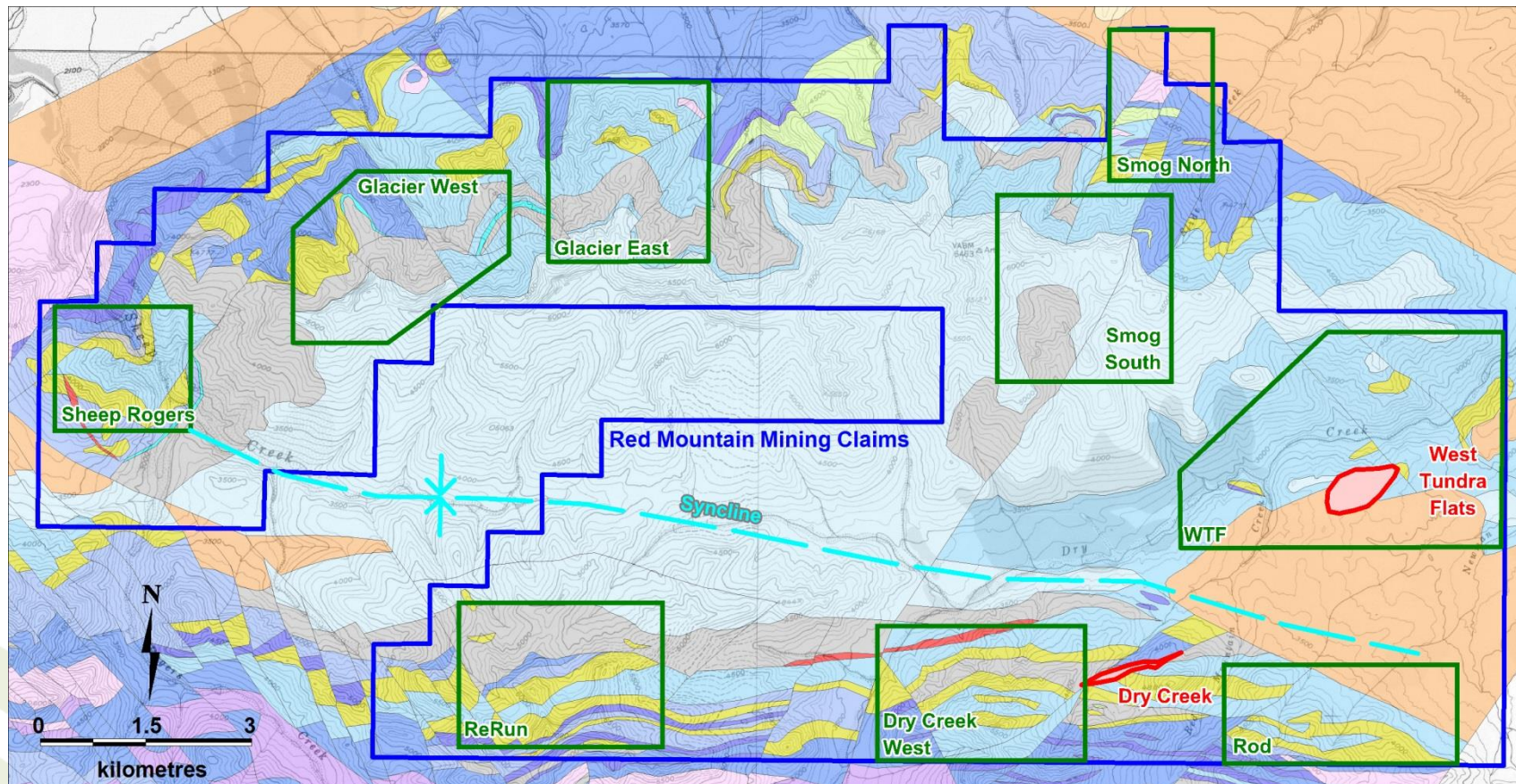
## The opportunity:-

- District under-explored
- District vacant
- VMS deposits come in clusters

Existing deposits



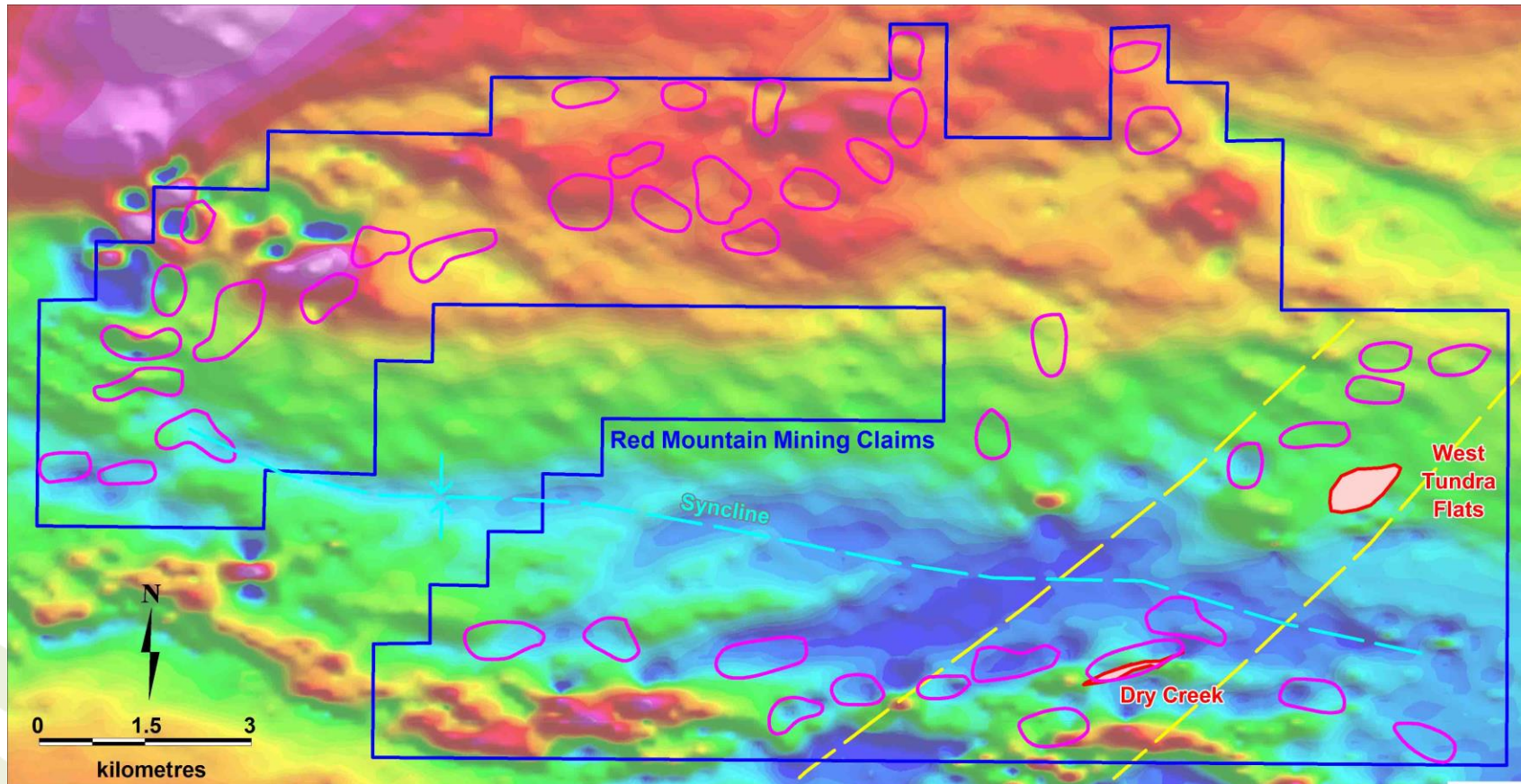
# Regional Geochemical Targets



Geochemical target areas defined by modern vector analysis completed by Dr Jim Franklin. Each target area shows alteration that indicates proximal VMS mineralisation.



# Regional Conductors



Conductivity anomalies (shown over the magnetics image) analogous to the Dry Creek and WTF deposits have been defined by Condor Geophysics using the State of Alaska DIGHEM survey from 2007.

# Historic Drilling

Drilling at Discovery  
and Fosters Zones  
ceased in 1999

Drilling at West  
Tundra Flats ceased  
in 1983

Multiple shallow  
intercepts indicate  
potential for stacked  
high-grade lodes

HOLE ID	From (m)	To (m)	Interval (m)	Zn %	Pb %	Cu %	Ag g/t	Au g/t
DC76-02	38.6	50.3	11.6	5.29	2.16	0.22	112	NA
DC97-01	41.1	52.4	11.3	7.60	3.18	0.26	115	0.99
including	41.1	42.8	1.7	20.01	8.52	0.62	266	1.47
DC97-04	62.5	75.0	12.5	12.51	5.52	0.71	160	1.14
including	69.5	75.0	5.5	25.89	11.72	0.88	346	2.46
DC97-14	57.0	75.3	18.3	1.39	0.23	2.08	15	0.24
including	59.1	63.4	4.3	0.06	0.04	6.75	15	0.04
DC97-30	17.7	20.9	3.2	9.19	4.72	0.41	226	1.16
DC97-31	29.0	31.4	2.4	12.72	6.45	0.35	1,061	3.82
DC97-32	27.9	33.9	6.1	14.43	6.83	0.36	137	0.61
including	30.3	33.4	3.1	20.08	9.52	0.52	169	0.78
DC97-33	39.1	46.2	7.1	15.12	6.81	0.30	334	0.86
DC98-38	59.0	68.0	9.0	5.40	2.43	0.15	269	1.00
including	61.5	63.8	2.3	13.24	5.82	0.30	581	3.07
DC98-39	77.6	98.8	21.2	6.99	3.20	0.19	57	0.38
including	77.6	89.0	11.4	10.38	4.78	0.28	56	0.51
with	77.6	82.6	5.0	17.74	7.80	0.45	64	0.45
DC98-40	6.1	42.2	36.1	6.24	2.56	0.22	183	1.03
Including	6.1	10.7	4.6	23.54	8.45	1.02	531	1.53
including	21.3	24.5	3.1	14.65	6.65	0.25	211	0.53
DC98-60	17.6	86.5	68.9	4.02	1.88	0.10	58	0.36
including	53.8	58.8	4.9	10.17	4.96	0.28	86	0.39
WTF82-05	104.3	106.1	1.7	11.40	5.97	0.15	374	1.71
WTF82-08	160.9	164.0	3.0	7.28	4.27	0.17	796	1.12
WTF83-17	58.6	59.9	1.3	20.92	9.17	0.56	796	10.22

Gold and silver  
intercepts indicate  
significant co-product  
potential

Refer to WRM release to the ASX of 15 February 2016



# Red Mountain Resource

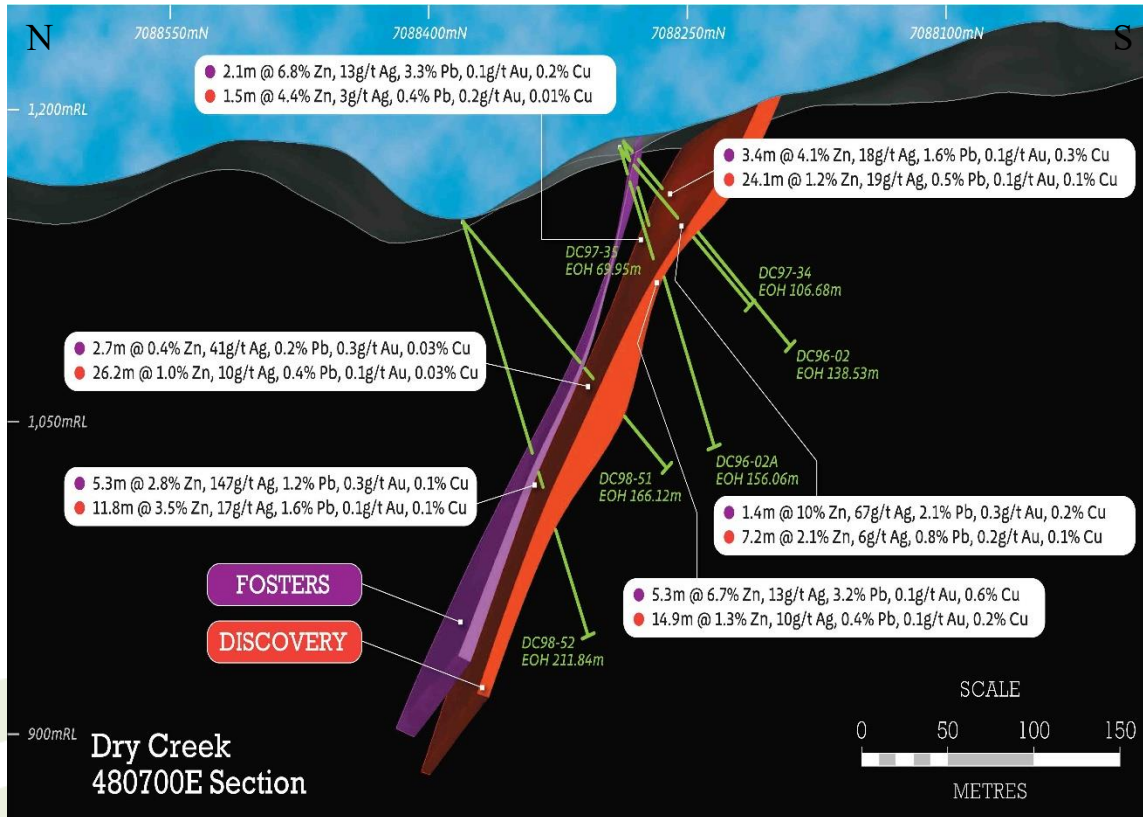
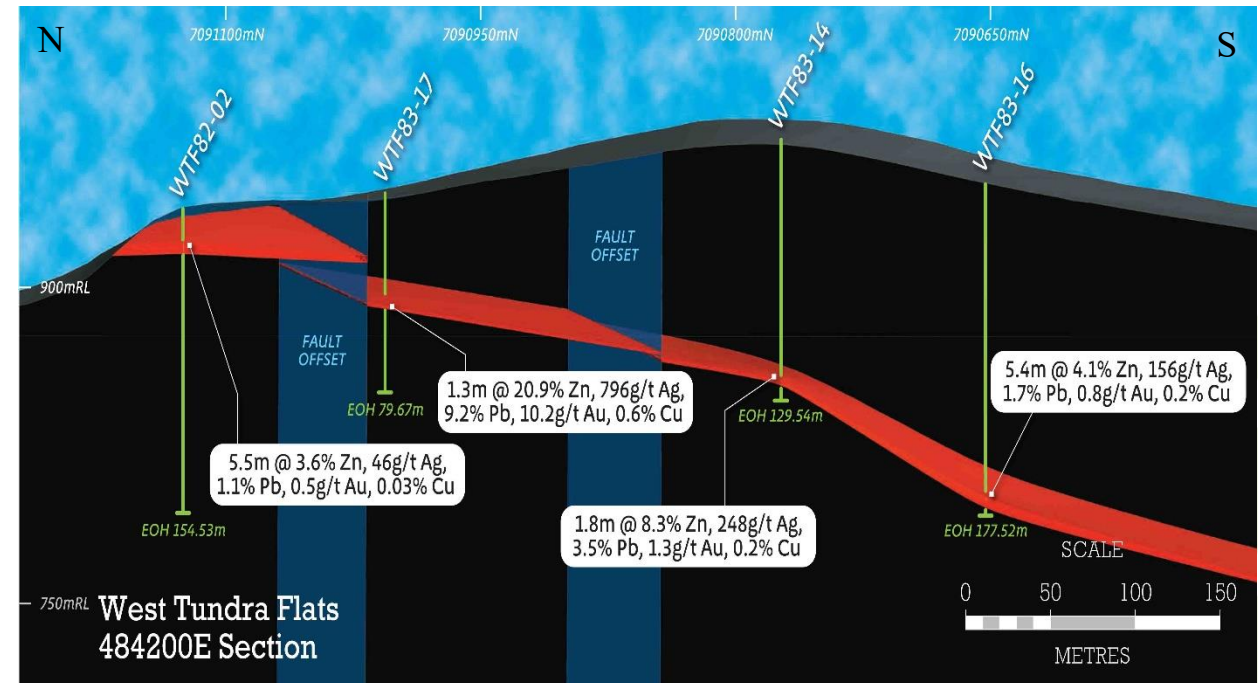


Figure above: Cross-section 480,700E looking towards the east through the **Dry Creek deposit** showing the geometry of the Fosters and Discovery mineralised massive sulphide lenses and drill intercepts.

High grade, multiple lenses, mineralisation at surface, open at depth.

Figure below: Cross-section 484,200E looking towards the east through the **West Tundra Flats deposit** showing the mineralised massive sulphide lens and drill intercepts.

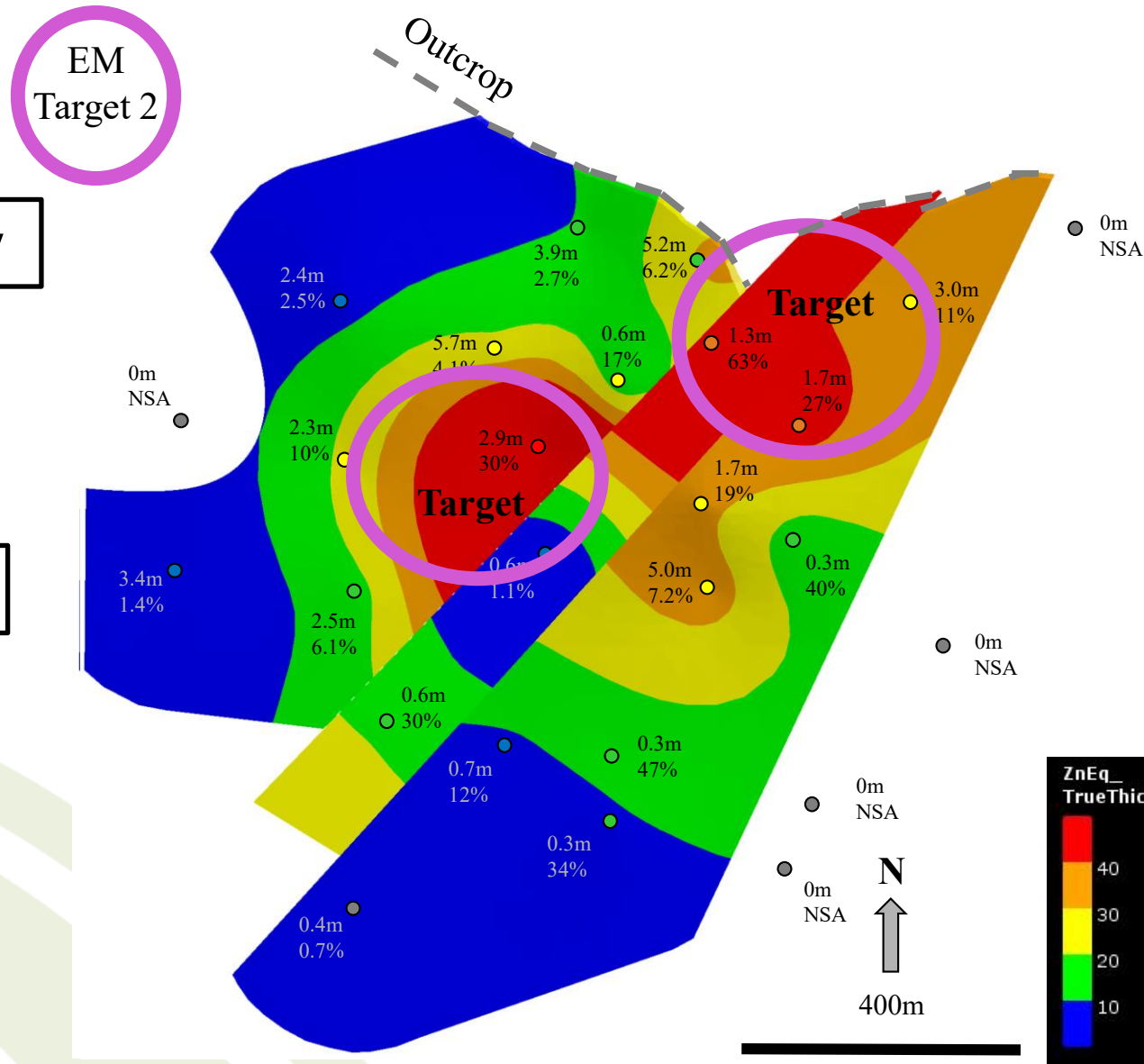




# RED MOUNTAIN PROPOSED EXPLORATION PROGRAM FOR 2018

Preliminary

Plan view



## Drilling at WTF

1. Validate historic drilling e.g. WTF82-08\*
2. Target high grade.
3. Test along strike – EM target 2.

\* Refer to WRM release to the ASX of 15 February 2016

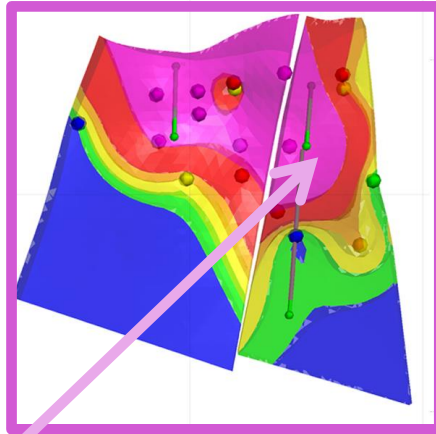


# RED MOUNTAIN PROPOSED EXPLORATION PROGRAM FOR 2018

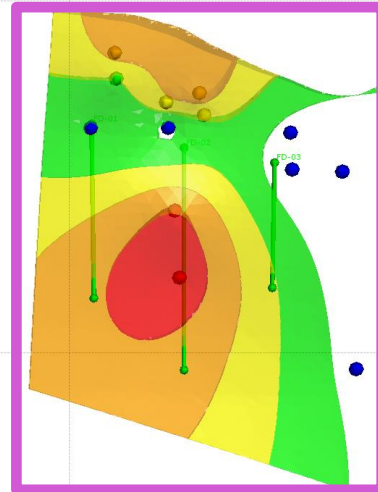
## Drilling at Dry Creek – Fosters lens long section

Preliminary

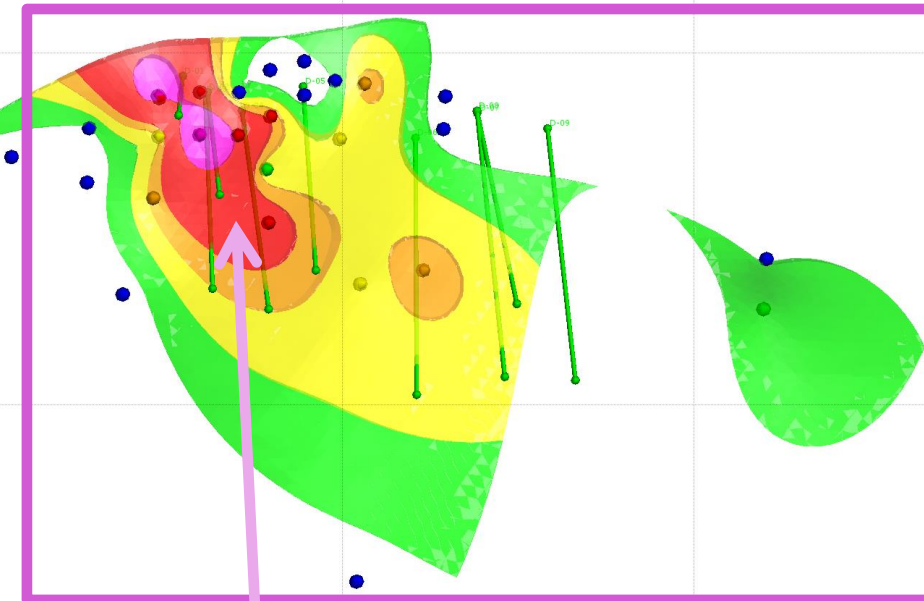
West



Fosters



Fosters East  
- Discovery



Discovery East

East

Drill targets

**36.1m @ 16.5% ZnEq (DC98-40\*)**  
**incl. 4.6m @ 52.5% ZnEq & 3.1m @ 28.8% ZnEq**

**68.9m @ 8.5% ZnEq (DC98-60\*)**  
**incl. 4.9m @ 18.9% ZnEq**

Drill targets

300m

\* Refer to WRM release to the ASX of 15 February 2016



# RED MOUNTAIN PROPOSED EXPLORATION PROGRAM FOR 2018

## Example

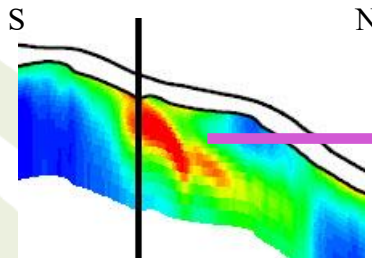
### Orientation ground geophysics

- to select the best technique for the regional Red Mountain exploration program.
- EM, gravity, CSAMT, IP, magnetics.

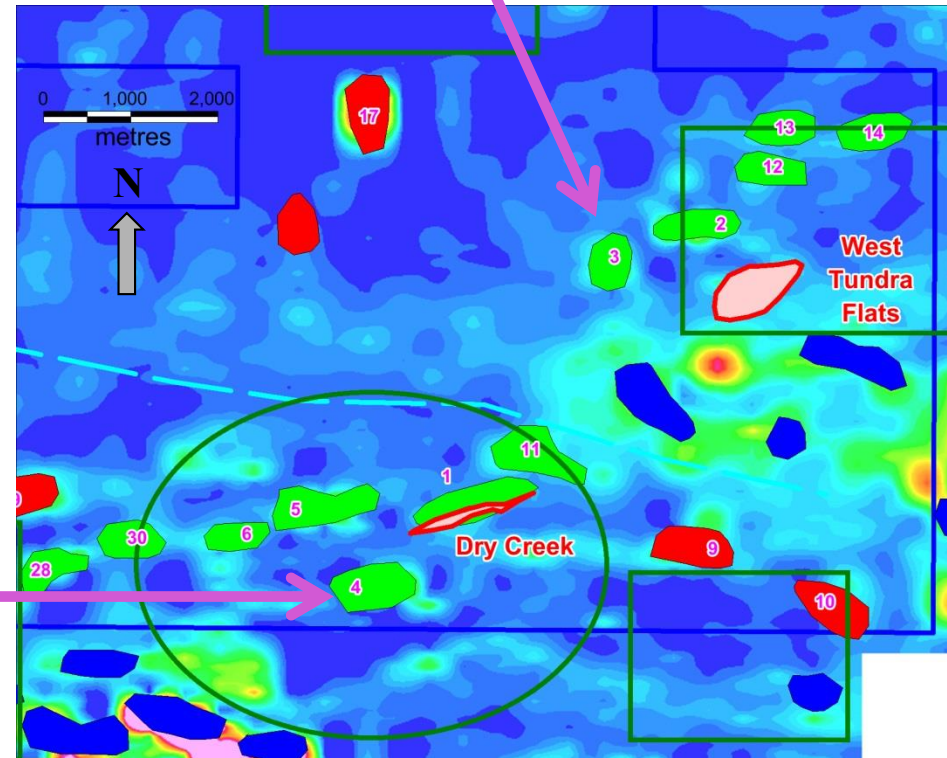
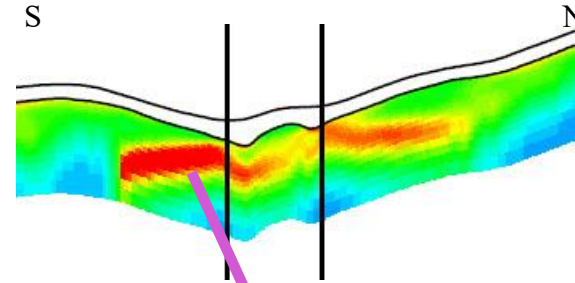
### New Targets

Ground geophysics on top 5-6 targets

Target 4 – conductor southwest of Dry Creek



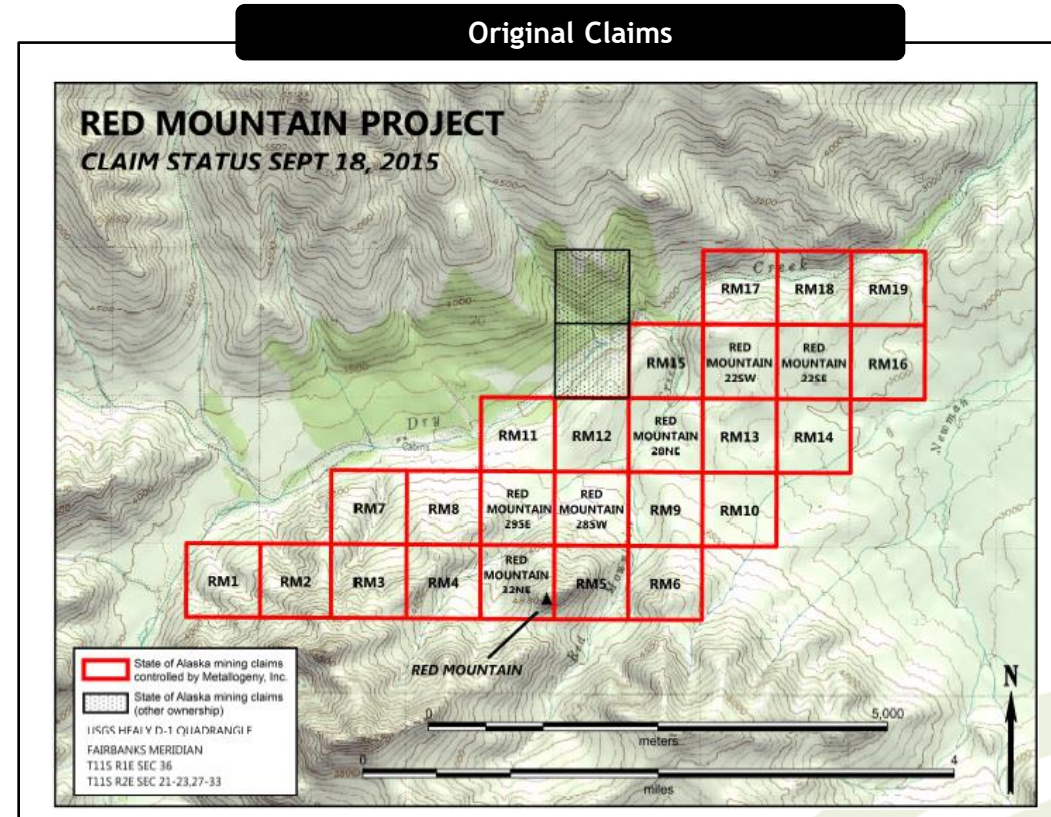
Target 3 – conductor west of WTF





# Agreement with Metallogeny

- The key terms of the Red Mountain Project at acquisition in 2016 were as follows:
  - US\$1.225m expenditure commitment over 4 years;
  - US\$1.0m in cash payments over 5 years;
  - Share payments: 1 million shares;
  - Metallogeny retain a right to 10% of the proceeds on any sale of the claims prior to commercial production.
  - 2% NSR with the option to sell 1% (i.e. 50% of NSR) for US\$2m.



# Mt Carrington, New South Wales

## Advanced Development Project



## Mount Carrington Resource Statement

MT CARRINGTON MINERAL RESOURCES						
Gold Dominant						
Resource Category	Deposit	Tonnes	Gold grade (g/t)	Gold ounces	Silver grade (g/t)	Silver ounces
Indicated	Strauss	2,070,000	1.5	103,000	1.7	115,000
	Kylo	2,010,000	1.3	85,000	1.4	92,000
	<b>Sub-Total</b>	<b>4,080,000</b>	<b>1.4</b>	<b>188,000</b>	<b>1.6</b>	<b>207,000</b>
Inferred	Strauss	380,000	1.7	21,000	2.4	30,000
	Kylo	30,000	1.0	1,000	2.1	2,000
	<b>Sub-Total</b>	<b>410,000</b>	<b>1.7</b>	<b>22,000</b>	<b>2.4</b>	<b>32,000</b>

MT CARRINGTON MINERAL RESOURCES						
Gold Dominant						
Resource Category	Deposit	Tonnes	Gold grade (g/t)	Gold ounces	Silver grade (g/t)	Silver ounces
Inferred	Red Rock	1,630,000	1.0	54,000	3.5	182,000
	Guy Bell	160,000	2.5	13,000	4.9	24,000
	<b>Sub-Total</b>	<b>1,790,000</b>	<b>1.2</b>	<b>67,000</b>	<b>3.6</b>	<b>206,000</b>

Silver Dominant						
Resource Category	Deposit	Tonnes	Gold grade (g/t)	Gold ounces	Silver grade (g/t)	Silver ounces
Indicated	Lady Hampden	1,840,000	0.6	37,000	69	4,056,000
	White Rock	1,710,000			77	4,214,000
	<b>Sub-Total</b>	<b>3,540,000</b>	<b>0.3</b>	<b>37,000</b>	<b>73</b>	<b>8,270,000</b>
Inferred	Lady Hampden	2,470,000	0.3	27,000	51	4,023,000
	White Rock	2,660,000			47	3,978,000
	White Rock North	3,180,000			52	5,314,000
	Silver King	640,000			59	1,218,000
	<b>Sub-Total</b>	<b>8,950,000</b>	<b>0.1</b>	<b>27,000</b>	<b>51</b>	<b>14,533,000</b>

MT CARRINGTON COMBINED MINERAL RESOURCES			
Category	Tonnes	Gold ounces	Silver ounces
Indicated	7,620,000	225,000	8,477,000
Inferred	11,150,000	116,000	14,770,000
<b>Total</b>	<b>18,770,000</b>	<b>341,000</b>	<b>23,247,000</b>

Stage One Gold First of the Mt Carrington Mine Plan will focus on the Strauss and Kylo deposits.

Stage Two Silver of the Mt Carrington Mine Plan will focus on the Lady Hampden and White Rock deposits.





# Mine Plan Stage One – Gold First

## Stage One First Two Gold Resources to be mined

### Strauss and Kylo deposits

- **Indicated Category<sup>1</sup>**
  - **188,000oz Au (4 million tonnes @ 1.4g/t gold).**
- ✓ The Stage One Pre-feasibility study (PFS) confirms Mt. Carrington as a viable gold first project (Gold First) with significant potential upside in subsequent silver production and future gold and silver exploration.
- ✓ The PFS findings indicate a technically sound and financially viable project generating in excess of **A\$36 million undiscounted cashflow** over the initial 4 ½ year Gold First mine plan, with a strong **Internal Rate of Return (IRR) of 34%.<sup>2</sup>**

1 Refer ASX Announcement 9 October 2017 – “Improved Gold Resources at Mt Carrington Gold-Silver Project”

2 Refer ASX Announcement 27 December 2017 – “Mt Carrington Gold-Silver Project Pre-Feasibility Study Stage 1”

	Gold First PFS <sup>2</sup>
Project Life (years) - Gold First Stage	4.3
Strip Ratio (waste:ore) including pre-strip	2.67
Strip Ratio (waste:ore) excluding pre-strip	2.42
Gold recovered (koz)	147,300
Annual Gold production (average koz)	36,800
Grind size p80 (um)	75
Metallurgical recovery (%)	82.8
Ore Reserve (Mt ore)	3.47
Ore Reserve Gold Grade (g/t)	1.43
Ore Reserve (koz Gold)	159,000
Mineral Resource (Mt)*	4.5
Mineral Resource Gold Grade (g/t)*	1.5
Mineral Resource (koz Gold)*	210,000
Mineral Resource (koz Silver)*	238,000

\* Refer Section 5 below and ASX Announcement 9 October 2017

Initial Capital Cost (A\$M)**	35.7
Mining Cost (A\$/t ore)***	18.33
Processing Cost (A\$/t ore milled)	21.84
Total Site Operating Cost (A\$/t ore milled)****	46.23
C1 Cash Cost (A\$/oz produced)	1,078
All In Sustaining Cost (AISC) (A\$/oz produced)	1,236
Free Cash Flow generated (A\$M)	36.7
IRR (%)	34.0

\*\* This includes contingency.

\*\*\* Mining cost is an average of \$5.19/t of material mined over the life of mine.

\*\*\*\* Includes G&A and Royalty payments.

# Mt Carrington – Regional Exploration upside

Over 180km<sup>2</sup> of tenements, highly prospective for epithermal and intrusion-related gold, silver and copper mineralisation

## Priority Near-Mine Targets

### 1. Mining Leases: Potential Resource Additions

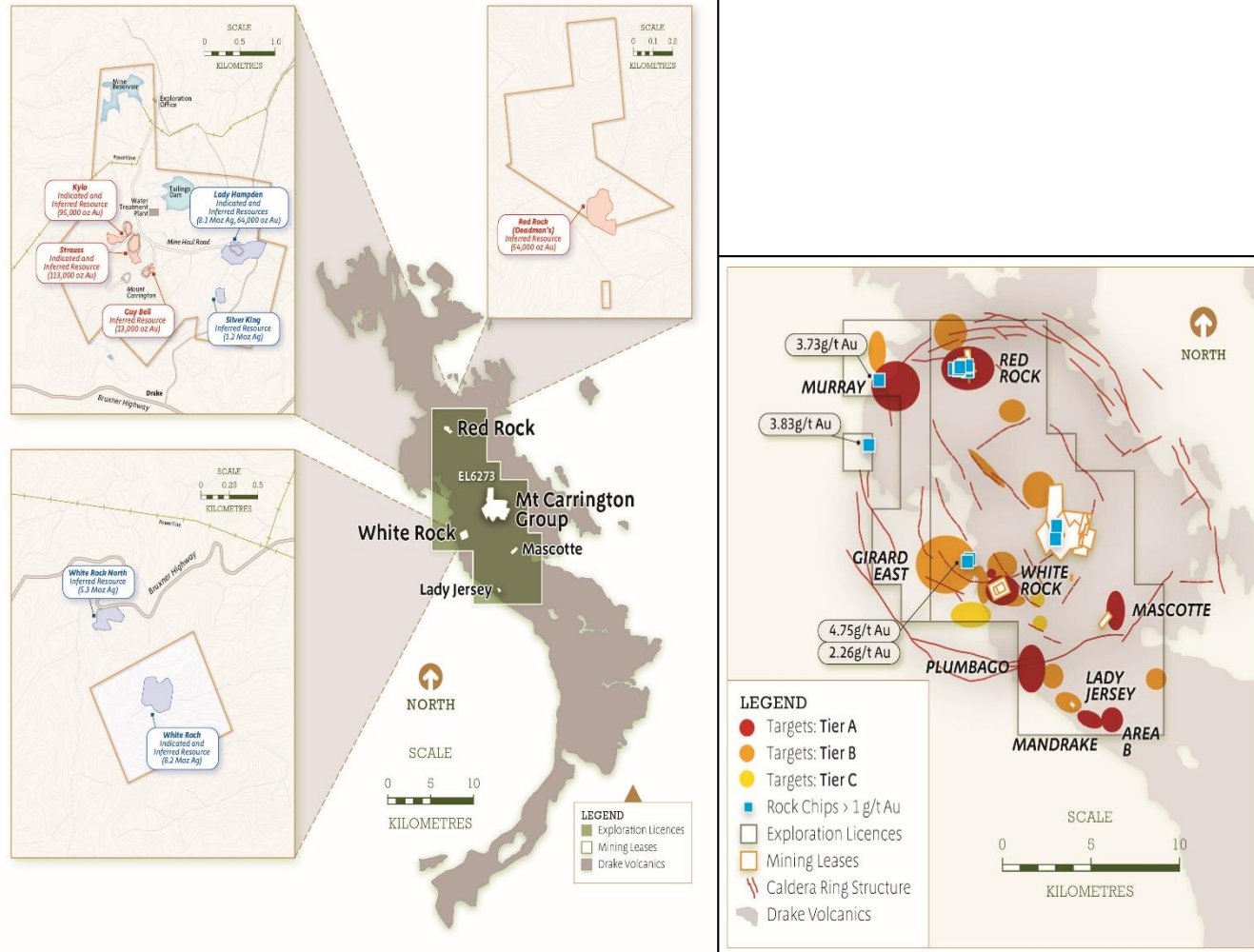
- Multiple shallow targets
- Historic drill intercepts for follow-up
- High grade underground potential poorly tested

### 2. Exploration Licences: Silver-Gold-Copper Targets

- Pipeline of prospects
- Drill ready targets based on:
  - Mapping
  - Geochemical anomalies
  - Geophysical IP/resistivity anomalies

### 3. Porphyry Potential: Zoned Copper-Gold-Silver

- Robust intrusion related copper model at Mt Carrington
- Strong secondary copper in shallow drilling
- Large open geophysical IP anomalies with confirmed alteration source
- Under-drilled
- Similar zoned Copper-Gold-Silver systems recognised at White Rock and Red Rock



# Proposed Funding for Construction

## Long-term Strategic Partner New-York based Cartesian Royalty Holdings (“CRH”)

- ✓ **Gold streaming financing Term Sheet\*** contemplated to move the Mt Carrington project directly into construction, commissioning and commercial production, subject to a successful Definitive Feasibility Study (DFS) and the necessary approvals.
- **Phase 1:- Equity investment of A\$1,000,000** in two equal tranches\*\* to fund working capital and to contribute funding to progress its DFS and Environmental Impact Statement (EIS) activities); and
- **Phase 2:- a future streaming financing of US\$19 million** over a 12 month period, in return for a share of gold and silver production to fund working capital and construction and commissioning of the Mt Carrington Project.
- ✓ Supporting White Rock to achieve its strategic goal of becoming a successful gold and silver producer.

\* Binding and Conditional: The Transactions contemplated by the Term Sheet are subject to various conditions including the completion of due diligence to the satisfaction of CRH, certain White Rock shareholder approvals, and the entry into definitive documentation for Phase 2 (streaming financing), as set out in more detail in the ASX announcement of 27 June 2016.

\*\* Tranches One and Two completed





# Equity Placement Facility

## **Fully discretionary Equity Placement Facility with the Kentgrove Capital Growth Fund<sup>1</sup>.**

- ✓ Equity Placement Facility for up to \$7.2 million available to be used over 36 months.
- ✓ White Rock may seek multiple placements under the Facility, up to the maturity date (11 December 2020). For each placement, White Rock determines when the placement occurs, the placement period, the maximum amount of the placement (up to \$200,000 or a higher amount by mutual agreement), and the minimum issue price.
- ✓ For each placement, White Rock will receive funds from Kentgrove Capital via the issue of shares at a 5% discount to a volume weighted average price (VWAP) over the period of the placement, which cannot be less than the minimum issue price determined by White Rock.
- ✓ The provision of funding by Kentgrove Capital under the Facility is subject to a number of conditions, including there being sufficient liquidity in the market for the White Rock shares during the applicable placement period, as well as other conditions customarily included in facilities of this nature.
- ✓ Either party may terminate the Agreement by giving 14 days notice in accordance with the termination provisions contained in the Agreement with no termination fee.

# Indicative Activity Timeline

