rimfire pacific mining nl
(ASX “RIM”)
The Sorpresa Gold & Silver Project District, Fifield NSW

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Chalcopyrite Rimfire RC drilling Free Gold in silica
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Presentation Outline

- Introduction and Corporate Overview
- Vision, Strategy and Milestones
- Sorpresa Resource in Fifield Regional Context
- Emerging Regional Gold & Copper Footprint
- Sorpresa Gold and Silver Update
- Summary Position
Project Focus – Fifield NSW

- Focused Exploration Strategy
- Emerging Polymetallic mineral district
- Gold, Silver, Platinum, Copper
- Multiple Deposit styles
- 6 Exploration Licenses, 566 km²
- Alluvial Gold 1880
- Alluvial Platinum 1890, (20,000Oz Pt)
- Rimfire 210Ha freehold land (camp)
- Excellent Infrastructure nearby
- Supportive Community

Sorpresa (gold and silver discovery)
**Project Focus – Fifield NSW - LTZ**

- LTZ Corridor of Faults
- Gold with Copper emerging on East margin
- Eclipse and Yoes areas
- Expanded Tenement position (280km²)

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

<table>
<thead>
<tr>
<th>Deposit</th>
<th>Current Ownership</th>
<th>Au Moz</th>
<th>Cu Kt</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadia Group</td>
<td>Newcrest</td>
<td>51.8</td>
<td>8446</td>
<td></td>
</tr>
<tr>
<td>McPhillamy’s</td>
<td>Regis Resources</td>
<td>2.9</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>North Parkes</td>
<td>CMOC/Sumitomo</td>
<td>3.8</td>
<td>921</td>
<td></td>
</tr>
<tr>
<td>Cowal</td>
<td>Evolution Mining</td>
<td>3.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Browns Creek</td>
<td>ANL</td>
<td>0.99</td>
<td>13</td>
<td></td>
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<tr>
<td>Copper Hill</td>
<td>Golden Cross Res.</td>
<td>1.6</td>
<td>611</td>
<td></td>
</tr>
<tr>
<td>Mineral Hill</td>
<td>KBL Mining</td>
<td>0.59</td>
<td>66</td>
<td></td>
</tr>
<tr>
<td>Mt Boppy</td>
<td>Black Oak Minerals</td>
<td>0.60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak Hill</td>
<td>Alkane Resources</td>
<td>0.55</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>The Peak Gold Mine</td>
<td>Newgold</td>
<td>2.4</td>
<td>133</td>
<td></td>
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<td>Tritton</td>
<td>Straits Resources</td>
<td>0.01</td>
<td>218</td>
<td></td>
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<tr>
<td>Hill End</td>
<td>Hill End Gold Ltd</td>
<td>0.66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hera</td>
<td>Aurelia Resources</td>
<td>0.28</td>
<td>4</td>
<td></td>
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<tr>
<td>Tomingly</td>
<td>Alkane Resources</td>
<td>0.96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Syerston</td>
<td>CleanTeq</td>
<td>56 Kt Ni, 10Kt Co, 10 Kt Sc</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Production data Geological Survey of NSW on July 2015 and Resources data extracted from NSW datawarehouse
Project Focus – East Lachlan Fold Belt

**Operating Mines**

- COBAR – 2.2Mt Cu, >7.0Moz Au, >4.7Mt Zn, >2.8Mt Pb and 145Moz Ag (pre-mining)
- Hera / Nymagee (Au, Cu, Pb, Zn, Ag) Aurelia
- Wyoming / Caloma (Au) Alkane Resources
- Mineral Hill (Au, Cu, Pb, Zn, Ag) KBL Mining
- North Parkes (Cu/Au) China Mo Co.
- Lake Cowal (Au) Evolution

**Major Cross structures at Fifield**

- Mt Boppy (Au) Southern Cross Goldfields Ltd
- Tritton (Cu) Straits Resources

**Excellent geological setting**
Company Snapshot – 23 March 2016

Shares on Issue 799M Ordinary FP; 52M options (3.5 cents, expire May 2017)

Market Cap. Approx. $12M @1.5cents

Share Price Movement

• 2013 High 7.5 cent (Jan), Low 2.8 cent (Dec); 2014 High 3.6 cent (Jan), Low 1.5 cents (May)
• 2015 High 3.6 cents (July), Low 1.2 cents (Feb)

Volume last 12 months

• Approx. 654,000 shares/day
• Largest 21.5m shares/day;

Shareholder Profile – 2000 plus shareholders

• Board & Management 8%
• Top 20 Holders 34%
• Top 100 Holders 65% (cut-off 1.61M shares)

Cash Status 31st December 2015 (Quarterly)

• Approx. $1.7m
• Plus Negotiation of Farm-in JV
Risk capital has been on the sidelines
- Exploration Sector – severe downturn, shoots...
- Liquidity and value decline, now improved
- Gold and Silver Price improved, AUD
- RIM > resource indices over 5 yrs
- Price upturns – Activities and Results matter
- Turning Point, through the bottom...?
Rimfire has its Focus exclusively at Fifield NSW – in the LTZ Corridor

- LTZ Corridor - one of most important Copper/Gold corridors in the world (e.g. Newcrest-Cadia)
- Asian investment includes China Molybdenum and Sumitomo, 80km East at North Parkes
- Fifield is the oldest Platinum mined area in Australia – Rimfire has this area

Late 2010 – Rimfire made the greenfields “Sorpresa” Gold and Silver Discovery

- Subtle surface geochem 20ppb Au in soils
- RC - some very high grades (e.g. 14m @ 24.4g/t Au, including 2m @118g/t Au, plus 26m @155g/t Ag)
- Likely part of a much bigger mineralising system
- The Sorpresa gold deposition geology (free gold) – carbonaceous silicified sediment

During 2014/2015 important milestones included:

- Sorpresa JORC Resource declared - approx. 7.9Moz Ag, 125,000oz Au (cutoff 25g/t Ag, 0.5g/t Au), 6.4mT
- 5 Advanced Regional Prospects Established (of >30 prospects) within 6km radius of Sorpresa
- Copper Signature established including 4m @ 6.5% Cu
Company Vision and Strategy

- **Demonstrate Multimillion Ounce gold equivalent potential**
  - Regional Discoveries within 6km radius of Sorpresa
  - Focus on Gold, Silver, Copper & Platinum – Good suite of metals
  - Build the district branding
  - Attract potential partners – *We are noticed*

- **Maintain an Overall “Prospect Portfolio” Exploration strategy at Fifield**
  - Develop regional Prospects (>30) in parallel with the Sorpresa Project
  - *Risk mitigation*, assists longevity in pursuit of discoveries

- **Partner Engagement Process Established and Building**
  - Seeking accelerated progress and committed expenditure
  - Negotiating Farm-in JV
  - China and Asia funding sources pursued

- **Work programs will pursue the following:**
  - *Enhance Sorpresa, Growth and Discoveries* (The Gap, South, West and East areas), Gravity repeats (?)
  - *Aim for new discoveries from Regional areas (within 6km)* (e.g. Carlisle, Yoes, Eclipse Trend)
  - *Assess economic case* of established inventory (*Sorpresa High grade Lenses*, Platina Lead)
Discovery costs are rising

Unit cost per for a moderate-sized Gold or Base Metal discovery in the World

**Average Cost per discovery (2013 US$m)**

- **Gold**
  - Weighted Average for 1980-89 = $44m
  - Weighted Average for 2000-2009 = $77m
  - Estimated in 2010 = $150m

- **Base Metals**
  - Weighted Average for 1980-89 = $23m
  - Weighted Average for 2000-2009 = $64m
  - Estimated in 2010 = $180m

**Note:** Discoveries are for deposits >0.1 Moz Au or >0.1 Mt Cu-eq
Data from 2005 onwards have been adjusted for unreported deposits

**Source:** MinEx Consulting © September 2014

**Exploration is a high-risk/high-reward activity**
Average depth of cover for discoveries - GOLD
World: 2004-2013

If you exclude South Africa, the average depth of cover falls from 53 to 5 metres.

The depth of cover issue is most critical in Canada, USA, and Australia.

Note: Based on 267 Moderate-, Major- and Giant-sized deposits
Source: MinEx Consulting © September 2014

2015 A$ Million pa

- During a downturn, “in-field” exploration & development expenditures are cut the most
- Cash Reserves are at an all-time low
- Admin costs tend to be “fixed”

Note: Survey based on a sample of 320 junior exploration companies listed on the ASX between 1998-2015
“Net Other” includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits
Quarterly spend data has been multiplied by 4x to produce an annualised spend rate

Source: MinEx Consulting © November 2015 based on Quarterly Reports to the ASX
Note: “Net Other” includes production and other costs less interest income, mine revenue, Government Assistance and R&D tax credits. Quarterly spend data has been multiplied by 4x to produce an annualised spend rate.

RIM’s cash raisings are episodic. RIM’s expenditures have doubled in recent years. Most of the spend is “into the ground” rather than Admin.

A$1.7m as at 31 Dec 2015

RIM’s long run Costs much lower than industry norm.

Source: MinEx Consulting © November 2014 based on Quarterly Reports to the ASX.
Regional Exploration – within 6km radius

Sorpresa Deposit 7.9 Moz Ag and 125kOz Au
(0.5g/t Au @ 25g/t Ag cutoff)
Prospect Pipeline – March 2016 - Ranking

Resource Definition
- SORPESA Project Area

Advanced Projects
- High Grade Intersections

Regional Prospects
- Wide Sor普西Exposure

Gold, Silver, Copper, Base Metals

Platinum

Sor普西 North, Fifield Lead,
Jack’s Lookup, Southern Gravity, Sor普西a IP
Raggot Volcanics, Ebenezer EM Targets,
Yarrabandi Road, Radiometric Targets,
Magnetic Skarn Targets

CO₂ - Yoe’s Lookup, Roseneath,
Golden Green, Quartzite Hill, Watt’s Lane,
Blackstone, Eurimbla, Glen Iris
Pt - Gillenbime, Twilight Dam, Golden Chrome

GGS, Twin Shafts
BGE, Carlisle, Eclipse Trend

Roadside
Roadside North
Trench 31, Join Up, Boundary Gate
## Table of Comparison of more Advanced Prospects within 6km Radius of Sorpresa Projects

<table>
<thead>
<tr>
<th>Location</th>
<th>Rock Chip g/t Au</th>
<th>Typical Soil ppb Au</th>
<th>Typical Auger ppb Au</th>
<th>Anomaly Length</th>
<th>RC Drill</th>
<th>Open</th>
<th>Other</th>
<th>Historic Workings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorpresa Resource</td>
<td>8.8</td>
<td>10~50</td>
<td>20~1,000</td>
<td>1.5km</td>
<td>14 @ 24.4 g/t Au</td>
<td>yes</td>
<td>IP/Gravity</td>
<td>Minor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>26m @155g/t Ag</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yoes Lookout</td>
<td>3.4</td>
<td>10~300</td>
<td>20~1,000</td>
<td>1.7km</td>
<td>Au, Cu anomalous</td>
<td>yes</td>
<td>Magnetic Radiometric</td>
<td>No</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td>Eclipse Trend</td>
<td>18.7</td>
<td>N/A</td>
<td>20~700</td>
<td>2.7km</td>
<td>4m @ 6.5% Cu</td>
<td>yes</td>
<td>Ag, Cu</td>
<td>Minor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4m @ 2.3g/t Au</td>
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<tr>
<td>Golden Green Group</td>
<td>8.1</td>
<td>N/A</td>
<td>10~100</td>
<td>0.5km</td>
<td>2m @ 9.11g/t Au</td>
<td>yes</td>
<td>Mafic host?</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Roseneath</td>
<td>3.7</td>
<td>8~300</td>
<td>15~80</td>
<td>0.8km</td>
<td>N/A</td>
<td>yes</td>
<td>Sorpresa Style?</td>
<td>No</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Carlisle Trend</td>
<td>23.0</td>
<td>9~50</td>
<td>N/A</td>
<td>~1km</td>
<td>7m @ 1.47g/t Au</td>
<td>yes</td>
<td>Magnetic Feature</td>
<td>Minor</td>
</tr>
</tbody>
</table>

5 Advanced prospects that benchmark well against an early comparison of Sorpresa
**Discovery Growth – Current Work**

- **New Area Mapping & Sampling**
  includes “Northern Gold Prospect”

- **RC Drilling at Roadside**
  New results Feb & March 2016

- **Gravity Survey** completed Feb 2016
  new target generation

- **Sorpresa Deposit** 7.9 Moz Ag and 125 kOz Au
  (0.5 g/t Au @ 25 g/t Ag cutoff)

- **New Areas of Mapping & Sampling**
  new Au Potential

- **Gravity Survey**
  drill targets for repeats of Sorpresa Au & Ag

- **Expanded from 11 km² to 18 km²**
  Sorpresa style geology with Au potential

- **Newly identified geology and mineralisation with Au potential**
Current work programs

- **RC drilling continues within Roadside area at Sorpresa**
  - 4 new traverses started, shallow oxide focus
  - Interim results are due for reporting shortly

- **Interpretation & modelling of higher grade Au/Ag zones at Sorpresa**
  - To build pitshell models and assess selective mining feasibility

- **Ground Gravity Geophysical survey completed Sorpresa**
  - A strong correlation is already noted between Gravity and the Sorpresa mineralisation
  - Looking for repeat style structures similar to Sorpresa

- **Geological mapping on the Eclipse-CO₂-Yoes copper/gold area**
  - This will integrate the understanding and assist planning for the next stages of work

- **Creek and soil sampling within 6km radius of Sorpresa**
  - Infill programs to assist the targeting of the better prospective areas for gold and copper
  - Prospecting integrated with geophysics and geology data
Recent Outcomes – New emerging Gold Areas

✓ Sorpresa style geology footprint now expanded from 11km$^2$ to 18km$^2$
  o New mineralisation observations north of the Sorpresa resource area
  o Less than 10% of the known Sorpresa geology currently RC drill tested, there is potential upside

✓ 3 new areas emerging; anomalous gold and prospective geology was identified in parts
  o 7.1km$^2$ was examined at the Carlisle & Watts Lane areas, field observations included Au in creeks
  o 6.4km$^2$ north of Sorpresa was completed, and a prospective Au zone identified at Quartzite Hill area
  o 2.3km$^2$ was covered at Eclipse South Extended, a new Au anomaly with a quartz porphyry connection is emerging

✓ Unique structural corridor at Carlisle-Watts Lane areas exists with prospective Au geology
  o An area is now established of some 15km$^2$ area, with scope for discovery
  o Rockchip result confirms the new Au potential “Blackstone” – random grab sampling (15) 4.97g/t Au

✓ The Ground Gravity survey (Feb 2016) has now provided additional gold and silver targets
  o Particularly to the south/south east of Trench 31, with a subparallel 2km length target
Gold geochemistry in Auger and Soils

Sorpresa Resource 7.9 Moz Ag and 125 kOz Au (0.5 g/t Au @ 25 g/t Ag cutoff)

Regional Exploration – Auger & Soils
Regional Gold Footprint – Rock Chips Shown

A gold district has emerged
Regional Exploration – Copper Rockchips on Gold

Sorpresa Resource 7.9 Moz Ag and 125 kOz Au (0.5 g/t Au @ 25 g/t Ag cut-off)

Up to 0.35% Cu & 1.1% Cobalt

Up to 0.1% Cu

Up to 0.04% Cu

Up to 0.13% Cu

Up to 0.29% Cu

Up to 0.62% Cu

Up to 0.28% Cu

Up to 0.37% Cu

Up to 0.03% Cu

Up to 0.11% Cu

Up to 0.16% Cu

Up to 0.04% Cu

Up to 0.33% Cu

Up to 0.03% Cu

A gold and copper district has emerged!
Sorpresa is the first discovery but likely not the last
**Carlisle–Watts Lane Trend – 2016 Update**

- **Roseneath Gold Prospect**
  - 3.7g/t Au & 1.7g/t rock chips
  - Cu up to 1,130ppm & Mo up to 82ppm.
  - Auger Au anomalies - open.
  - Undrilled

- **Carlisle Gold Prospect**
  - 23.0g/t Au, 13.75g/t Au, 13.7g/t Au, 12.55g/t Au, 9.06g/t Au, 7.55g/t Au, 7.29g/t Au & 7.02g/t Au rock chips from outcrop, float & rock piles.
  - Up to 0.16% Cu.
  - Undrilled

- **Regional**
  - 0.21g/t Au rock chip

- **Goldenchrome Gold Prospect**
  - 1.2g/t Au rock chip sample

- **Fertile (Au rich) NE-SW trending structural corridor** - ‘Fifield Central Gold Corridor’
  - New discovery.
  - Minor exploration, including no drilling.

- **Carlisle Copper-Gold Magnetic High Target**
  - 3D Inversion Model Completed.
  - Not Tested

- **New gold prospect**
  - “Blackstone”
  - Possible gold load, breccia alteration pipe in shear, gossan with quartz phases
  - 4.97 g/t rock chip composite bulk sample, non selective
  - 3.37 g/t rock chip
  - Watts Lane: 0.33% Cu, 47ppm Mo, 0.24% Ba

- **Carlisle Intrusive Complex 1**
  - 0.33% Cu
  - 47ppm Mo
  - 0.24% Ba
  - Sulphide Occurrence
  - High K calc alkaline, Feldspar Porphyry float.

- **Devonian Sedimentary Cover Sequence** (basal conglomerate unit)
  - >4.5km Au Trend
  - Watts Lane: Intrusive
  - Watts Lane: Rift Basin Sequence of Unknown Age

- **RTP 1VD Aeromagnetic Image**

- **New gold prospect**
  - Blackstone
  - 4.97 g/t rock chip composite bulk sample, non selective
  - >0.34g/t Au
  - >1.5g/t Au

- **Carlisle Copper–Gold Magnetic High Target**
  - 3D Inversion Model Completed.
  - Not Tested
Sorpresa – Gold and Silver High Grade Lenses

- Excellent correlation of Mineralisation to Gravity
- Less than 10% of available geology tested (>18km²)
- Potential extensions and repeats under shallow cover
- Pursue High Grade lenses
- Examine economic case
- I.P. chargeability – to resolve

Implicit Model showing Au only (at June 2014) and is an interpretive exploration model imaging Au > 0.2g/t
Sorpresa – Trench 31 High Grade Work

- Great frequency of High Au grades emerging
- Shallow (0~40m mainly)
- Look to grow ounces and grade
- Seek vectors into new adjacent areas to grow tonnes
- Metallurgy 95% Au recovery CIL
- Internal scoping underway, plant, process and scale
- Plus Roadside Area with Ag
Sorpresa – Roadside High Grade Work 2016

RC Drilling Lines Roadside Area for Au and Ag structure and orientation ongoing RC drilling within Sorpresa New Results Reported Feb & March 2016

20 gram.metres AuEq contour

50 gram.metres AuEq contour

Gold Equivalent gramXmetres

- 50 +
- 20 to 50
- 10 to 20
- 5 to 10
- 1 to 5
- -1 to 1
Excellent correlation of Mineralisation to Gravity

Increased gravity relates to silicification.

Implicit Model is an interpretive exploration model imaging Au > 0.2g/t
Sorpresa Deposit 7.9Moz Ag and 125kOz Au (0.5g/t Au @ 25g/t Ag cutoff)

- Excellent correlation of Mineralisation to Gravity
- Increased gravity relates to silicification
- Major 2km long, Subparallel target on a magnetic contact position
- Oblique RC drilling traverses proposed across Sorpresa basin (up to 250m depths)

additional gravity completed north of this
Sorpresa Au/Ag Resource Estimate
6.4 Mt for 7.9M oz of Ag and 125K oz of Au
(at 0.5g/t Au & 25 g/t Ag Cutoff)

Target Rank #1
Eclipse Trend: Transit-Glen Iris
Soil Geochem Au/As/Pb/Cu
Epithermal Au/Ag/Basemetal Porph Cu/Au

Target Rank #2
Yoe’s Nth Basin
Cu in rock chips
Porphyry Cu/Au/Skarn

Target Rank #3
Eclipse Trend: Moonrise/Twilight Dam
Au in rock chips/soil geochem
Au in Epithermal Breccia

Target Rank #4
Eclipse Trend
Cu/Au in RC drilling
4m @ 6.5% Cu & 2.3g/t Au
Epithermal/VMS/Breccia

Target Rank #5
Eclipse Trend: Eclipse 5th Ext.
Au/Ag/Cu in rockchip/Auger/RC
Epithermal/VMS/Breccia

Target Rank #6
Watts Lane: Carlisle
Au in rock chips/RC
Au hosted in shear/sediment mafic contact

Target Rank #7
Golden Green/Golden Green South
Historic mining/Au Auger
Au in Shear/orogenic margin to intrusive

Target Rank #8
Yoe’s Au Trend
Au/As in auger/soil/RC
Au in Sediment/shear hosted Orogenic

Priorities emerging for 2016 (shown on gold geochem)
New Regional Targets on Magnetics

- New EL doubles LTZ Exposure
- Strategic Holding
- Cu/Au/PGE Potential
- Hidden Major Ore Body Potential (under cover)
- Diverse Style Mineralisation likely
  - Mt Leyshon, Kidston
  - Tritton (Besshi)
  - Magmatic Cu/PGE
  - Porphyry Cu/Au
Components of the Plans for 2016

Regional Discovery programs

✓ Complete Geology mapping and Interpretation
✓ District surface sampling (creeks, soil; auger) to detect further anomalies
✓ Complete design and look to deploy Geophysics, EM/IP
✓ Define Anomalies and prioritise for testing
✓ Test Targets with Additional RC and RAB holes
✓ Target tuning, more drilling (100~300m range) selected targets, possible DDH
✓ Objective - Build Discovery Inventory a major opportunity for Copper-Gold discovery

Continue Sorpresa Growth and Commercial Assessment

✓ High Grade Lenses, lift grade and ounces
✓ Discovery extensions, Gravity survey target testing
✓ Internal scoping study moving to feasibility if warranted
Fifield NSW District within LTZ – The Right Address for Discoveries

- LTZ is already host to many existing Copper-Gold mines
- Good infrastructure, road, power, skilled labour

Fifield Under Explored - High Grades near surface - Greenfields

- Multimillion Ounce gold equivalent potential, in Multiple Deposit styles
- Multi-commodity (Gold, Silver, Copper, Platinum)
- An established discovery Track Record – Sorpresa Gold and Silver Resource

Portfolio Pyramid of more than 30 ranked prospects within 6km radius of Sorpresa

- Mitigates risks in exploration performance

Game Changers that can improve share price and shareholder value ...

- Regional Prospect Pipeline continued discovery growth
- Sorpresa Resource Growth (less than 10% of >18km² geology tested) and moving to Measured
- Establish Geophysical vectors (EM/IP etc.) on Copper in particular
- Increasing number of Drill targets to be tested
- Economic assessment for minable areas 2016 (Sorpresa near surface high grades)
Rimfire...Value Drivers for Investors

- 4km² area covering Eclipse-CO₂-Yoes has upside, with limited drilling
- High Grade intersections, keep us on the radar
- Countercyclical Strategy – Do more work in tough times
  - Stand out – use the low drilling costs
  - Large in Ground Spend >70% average
- Rimfire Bench Marked Superior to many Junior Peers
  - Market Capitalization - respectable financial position
  - Efficiency (low overheads)
  - Performance (discovery cost extremely low, and highly effective)
  - Discoveries near surface
- JV opportunities – negotiations underway

“Quality assets well managed with high growth potential”
Thankyou...please stay in touch with the story

Mines & Money Mining Hub Area – Pod M1 for more discussion

ASX Code “RIM”
www.rimfire.com.au
rimfire@rimfire.com.au
Ph+613 9620 5866
Appendix – Additional Information

- Independent Industry Benchmark studies on Junior Resource Sector available at Rimfire website
  - 14th Nov 2014 – Exploration Industry Presentation AGM Nov 2014 Mr Richard Schodde
- Slides on Sorpresa Resource and Preliminary Metallurgy
- Project Summaries at Fifield
- Videos (below) on Historic Trench 31 discovery and Sorpresa 3D model (as at May 2014)

Trench 31 Discovery 2010 Video
Sorpresa 3D Model 2014 Gold Video
Appendix-Sorpresa Maiden Resource

- Maiden Inferred and Indicated Mineral Resource for the Sorpresa Deposit comprises;
  - 6.4Mt for 125kOz of gold and 7.9Moz of silver (at 0.5g/t Au & 25g/t Ag cutoff)

- The Gold dominant portion of the Sorpresa system represents;
  - 3.0Mt @ 1.06g/t Au and 22g/t Ag for 103kOz Gold and 2.1MOz Silver (at 0.5g/t Au cutoff)

- The Silver dominant portion of the Sorpresa system represents;
  - 3.4Mt @ 54g/t Ag and 0.20g/t Au for 5.8MOz of silver and 22kOz Gold (at a 25g/t Ag cutoff)

- Mineralization is continuous at higher cutoffs, at a 1.0g/t Au & 60g/t Ag cut off of;
  - 1.9Mt @ 1.11g/t Au and 68g/t Ag for 68kOz Gold and 4.2Moz Silver

- 70% of gold ounces and 62% of the Silver ounces are within 100m from surface, with an initial metallurgy study (Dec 2013) suggesting up to 93% Au and 74% Ag recoveries

- An internal Sorpresa conceptual study will be undertaken, focusing on the oxide zone and higher grade lenses to assist the Company in determining the forward strategy

- Exploration of already defined Sorpresa extensional and satellites targets beyond the current resource boundaries, including to the east, south and west
Appendix Sorpresa – Oxide Metallurgy - 2013

- **3 composite Oxide Zone Samples across Sorpresa**
  - 3 locations, 130m of mineralization, 30 drill holes
  - Standard 24 hr CIL test at 75 micron

- **Additional Test on Met1 – Silver Roadside**
  - 48 hour CIL, finer grind, improved recoveries
  - Improved recoveries to 89.1% for gold and 72.3% for silver

- **No problems with clays or carbon/graphite**

- **Very Good Metallurgical recoveries** *(additional testing completed Oct 2015)*

<table>
<thead>
<tr>
<th>Sample ID and Location</th>
<th>Number of 2m interval samples used for composite sample</th>
<th>Head Assays, g/t</th>
<th>Recovery % (Standard CIL)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Au</td>
<td>Ag</td>
</tr>
<tr>
<td>Met1 – Roadside *</td>
<td>24</td>
<td>1.22</td>
<td>73</td>
</tr>
<tr>
<td>Met2 – Trench 31</td>
<td>21</td>
<td>2.82</td>
<td>7.3</td>
</tr>
<tr>
<td>Met3 – Trench 31 SW</td>
<td>20</td>
<td>2.54</td>
<td>7.9</td>
</tr>
</tbody>
</table>

Sorpresa is “native gold”

Sample ID and Location: Met1, Met2, Met3.

Number of 2m interval samples used for composite sample: 24, 21, 20.

Head Assays: Au, Ag.

Recovery % (Standard CIL): Au, Ag.
# Appendix – Project Summaries

<table>
<thead>
<tr>
<th>Project Name or Type</th>
<th>Metals</th>
<th>Current or target</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorpresa</td>
<td>Au, Ag</td>
<td>250,000 oz Au eq</td>
<td>Resource &amp; can grow</td>
</tr>
<tr>
<td>Platina-Gillenbine (^1)</td>
<td>Pt</td>
<td>0.8 ~ 1.0M oz target</td>
<td>Bulk sampling proof of concept</td>
</tr>
<tr>
<td>Regional Portfolio (^2) &gt; 30</td>
<td>Au, Cu</td>
<td>Multi Million Ounce</td>
<td>Target Discovery Potential</td>
</tr>
<tr>
<td>Platina Paleo Channel (^3)</td>
<td>Pt</td>
<td>20~50,000 oz target</td>
<td>Low Capex, Proof of concept</td>
</tr>
</tbody>
</table>

Note 1, 2 and 3 : These are exploration targets only under the JORC 2012 Code and do not constitute a resource as insufficient work has been done to date.