Newera Resources Limited (ASX:NRU)

## Plomosas Zinc - Lead - Silver Mine, Mexico



## The Opportunity



Newera has an option to acquire the high grade Plomosas Zn-Pb-Ag

mine in Mexico

Newera has the rights to acquire up to a 90% interest in the Plomosas project in northern Mexico.

### **Plomosas project attractions**

Currently mined on a small scale with unutilised processing plant on site.

 Extensive workings provide immediate exploration and development access.

High grades: 15% - 25% Zn+Pb with average 60g/t Ag;

 Potential for short term cashflow from mining where ore is accessible at the bottom of the mine;

Concessions contain +6km strike of underexplored mineral trend.

## Corporate

Market Cap (undil)



Capital Structure (ASX:NRU)	
Shares on issue	1,369,166,028
Options on issue including listed options	790,752,196 447,002,196
Cash on hand**	\$400,000

1,369,166,028
790,752,196 447,002,196
\$400,000
\$0.003

\$4.10 million

Major shareholders	
Top 20 hold	[69%]
Copulos Group	18.22%
Tonka Trading	18.51%
Seefeld Investments Pty Ltd	5.30%
Mahsoor Holdings Pty Ltd	4.35%
Azalea Family Holdings Pty Ltd	4.04%
Mahsoor Holdings Pty Ltd	4.35%

### Board and Management

Martin Blakeman	Non-Executive Chairman
Andrew Richards	Executive Director
Chris Watts	NED /Co. Secretary
Will Dix	CEO



## Acquisition Terms (see also Appendix 2)



- a) An upfront payment of A\$150,000 to acquire an option over 100% of Arena.
- b) Newera will make available a working capital facility of up to US\$250,000 (which has now been fully drawn down) secured by first ranking charge, held over the existing mining concessions, titles, rights and equipment.
- c) Subject to Due Diligence, NRU may elect to acquire, through Arena Exploration, 51% of the Project in Tranche 1 with the following considerations:

Make further cash payments totalling \$400,000 and issue 750,000,000 NRU shares. at a deemed value of \$0.002 per share,

Make available an additional working capital facility up to \$850,000 secured by first ranking charge, held over the existing mining concessions, titles, rights and equipment.

- d) On completion of Tranche 1 Newera will have the right to acquire up 80% of the project within 3 years by making further cash payments totaling \$750,000 and issuing to the value \$2,500,000 NRU shares, at the NRU market price prevailing at the time of exercise. The Mexican Vendors of the Plomosas project shall have a 10% free carried interest up until completion of a bankable feasibility study.
- e) On completion of Tranche 2 Newera have a further option and after completion of a Bank Feasibility Study to acquire 90% of the project by way of a put call agreement with the vendors. The value of the project, and the price of this remnant 10%, being determined by the average of four internationally recognised consultants' valuations.

## Plomosas – The Message



- High grade zinc mineralisation with silver credits;
- Well understood mineralisation; shallow, open down dip and prospective along strike;
- Targeting JORC resources within 9 months;
- Processing plant on site and mine infrastructure in place;
- Potential early re-commencement of mining with relatively low cap-ex;
- Tenements >3,000 hectares with full mining approvals in place;
- Strategic Location;
- Experienced Board and Management team.



### Plomosas - Timeline



- Completion of technical and legal DD March 2015;
- Stage 1 JORC Resource (extensional from current mine) October 2015;
- Scoping Study to run partly in parallel with JORC January 2016
- Targeted development decision by mid 2016 based on:

Targeting a minimum 5 yr mine life for Stage 1

With target production ramp up to 250,000 to 300,000 tonnes per annum

	2015							2016					
Milestone	March	April	May	June	July	August	September	October	November	December	January	February	March
Completion of DD and Cap Raise													
In mine sampling and dewatering													
Stage 1 in and near-mine drilling													
Extensional and Exploration drilling													
Stage 2 Expl. drilling (new targets)													
Resource Study and JORC													
Scoping Study						Metallurgy, Engineering, Enviro, Financing							

<sup>\*</sup>Capital raising pegged at \$3,000,000 but able to take overs

### Plomosas – Location



### **Plomosas Location**

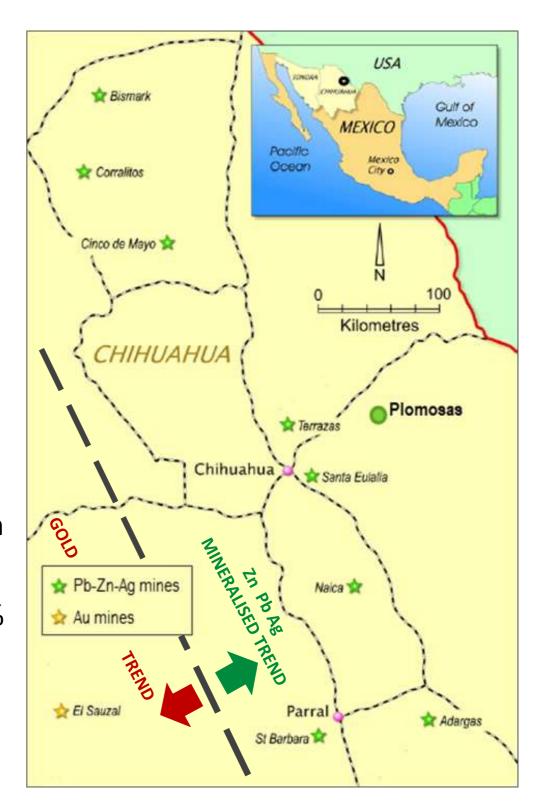
- 1 hour flight from Dallas/Houston
- 110km to Chihuahua City
- 90km to concentrator on paved roads

### Chihuahua Province

- World class mining province
- The country's largest zinc producing state

### Mexico

- Highest ranked country in world for low taxation and royalties rates
- Favorable regulatory environment allows 100% ownership for foreign companies,
- Ranked #5 in world for mining investment (2013)
- Ranked #6 in world for zinc production (2013)



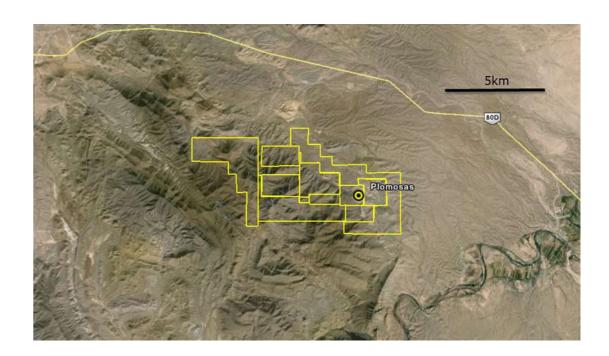
## Plomosas - Mining History



ASARCO Grupo Mexico mined until 1974. Extracted **1.7Mt ore at 16% Zn, 8% Pb, 60g/t Ag**A rate of 20,000t ore per vertical metre at 24% Zn+Pb.

Intermittent mining undertaken since 1975 with current small scale production of 90-100 tpd. Focusing only on remnant mineralisation above Level 5 (131 mbs).

Currently dewatering Levels 7 and 9 to investigate potential for immediate production ramp up and to provide access for sampling and underground exploration.





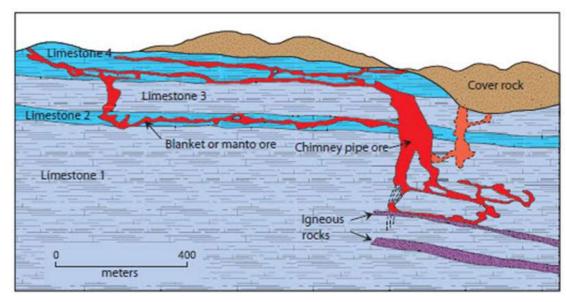
## Plomosas - Simple Geology



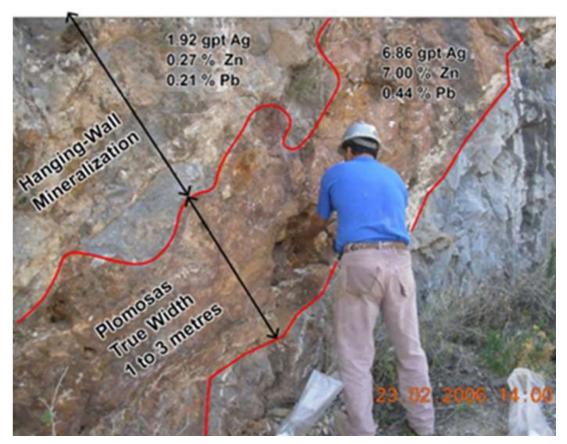
- Shale-limestone units deposited at the margins of the Chihuahua major sedimentary basin.
- Deposits formed by mineralised fluids migrating through district scale structures and replacing carbonate units in the shale-limestone sequence.
- Mineralisation is confined to identified stratigraphic horizons and comprises either;
  - Low angle stratiform sheets of mineralisation at several horizons within the sequence (mantos), or
  - 2. High angle, crosscutting mineralised bodies in linking structures (**chimneys**).

Massive orebodies found in groups with individual dimensions comprising:

- strike lengths ranging from tens to several hundred metres, and
- thicknesses from 0.5m to 15m (average ~3m)



Santa Eulalia deposit in same mineral trend as Plomosas



Mineralised outcrop north and along strike of Plomosas mine.

## Plomosas - Exploration



#### **Current Published Exploration Target:**

Stage 1, at and immediately below current mine workings 2.9-3.2MT @ 15% - 25% Zn+Pb and 60-80 g/t Ag\*\*

#### **NEAR MINE EXPLORATION**

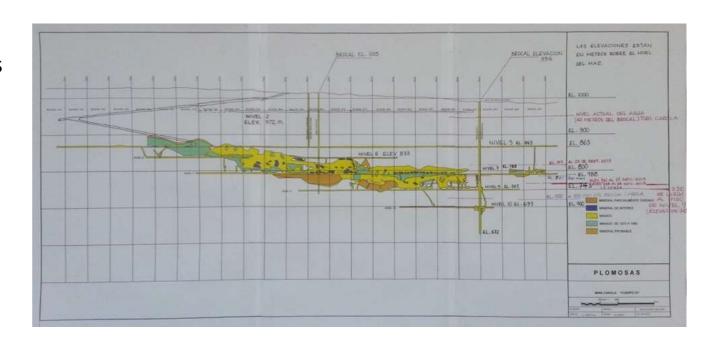
- 1. Reported remnant mineralisation (+250 k.tonne) at and below Levels 5 -7 (200 mbs)
- 2. Drill drives above mineralised horizon to outline mineralisation immediately below mine workings

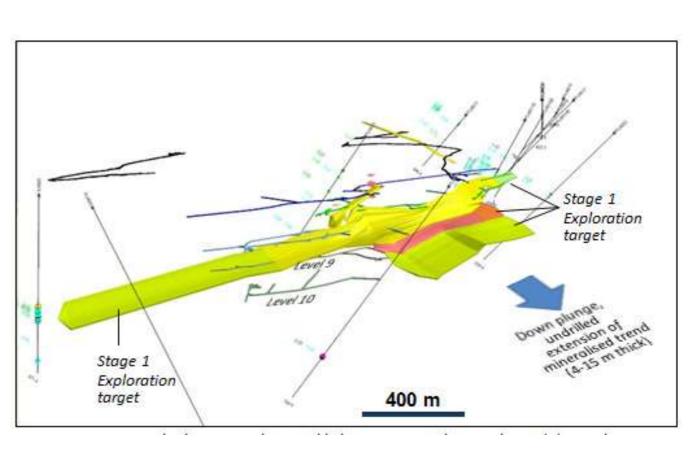


- 1. >6 km strike of mineralised horizon within concessions
- 2. Underexplored with potential to identify repetitions down dip and along strike of current workings.

#### **OTHER MINERAL TARGETS**

- 1. Tailings of reportedly 1Mt at 3% Zn+Pb and 16g/t Ag
- 2. Lower grade bulk material between high grade units
- 3. Cu-Au epithermal veins historically mined on the property

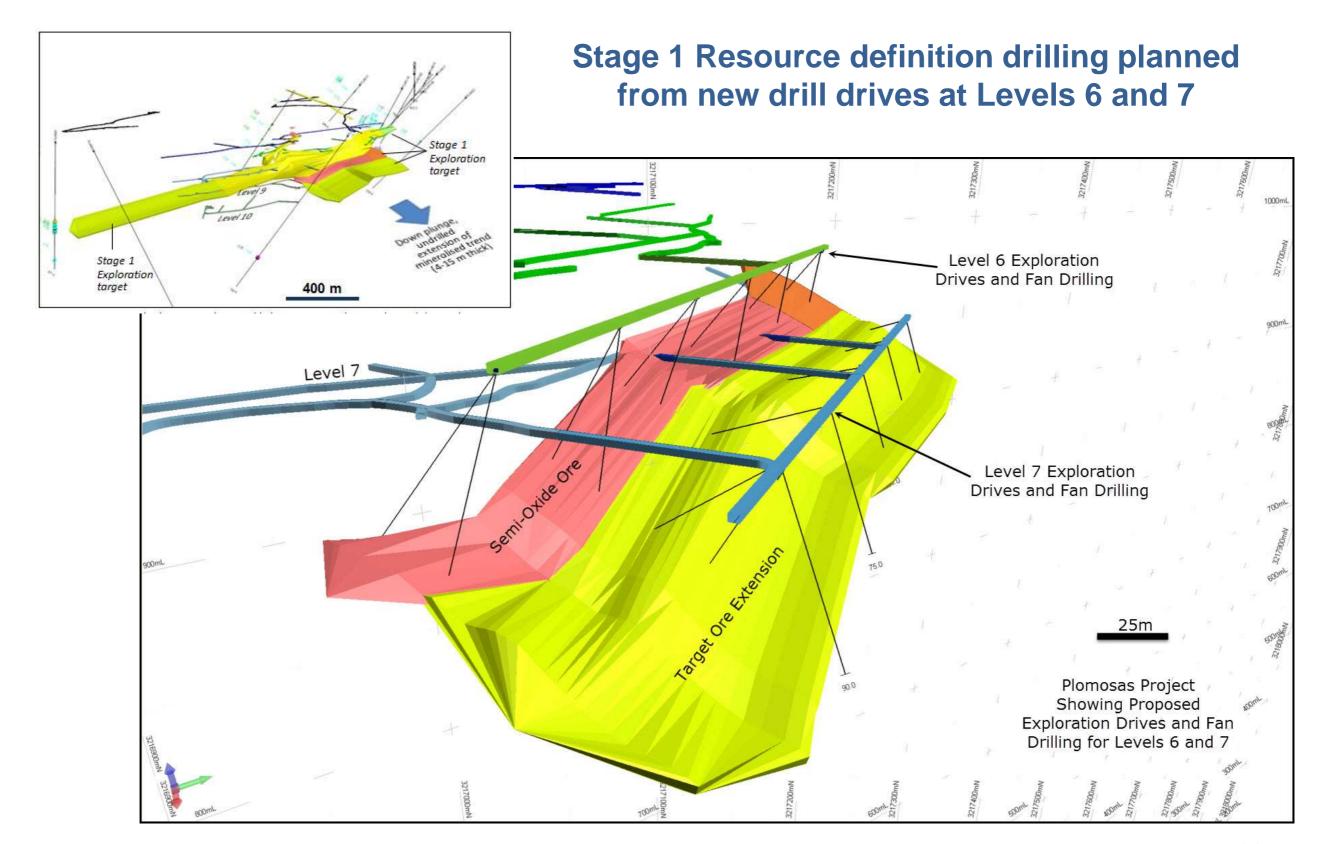




<sup>\*\*</sup>Based on 3D modelling of mineralisation, mapping of stopes and historic mining information review

## Plomosas – Stage 1 resource drilling





### **Operations - Current Status**



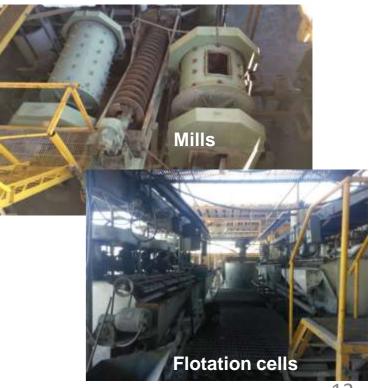
### Mining

- Three discreet ore bodies accessed via their own portals (Vieja, Juarez and Cuevitas)
- Cuevitas contains the largest historic workings with decline and shaft down to a total depth of over 250mbs (Level 10).
- Workings on an below Level 5 (135 mbs) are currently being dewatered and refurbished for access.
- The integrity of the declines is sound, despite the absence of any ground support in the vast majority of the decline system.
- Ore is produced via small room and pillar stopes using traditional drill and blast techniques.

### **Processing**

- A small concentrator is installed on site but is currently not utilised. Plan to recommission to reduce operating costs and increase revenue.
- Ore is currently trucked 90km to a concentrator near Chihuahua for batch processing. Zinc and lead concentrates are then trucked 1700km to the port of Manzanillo, where it is sold under an existing contract.





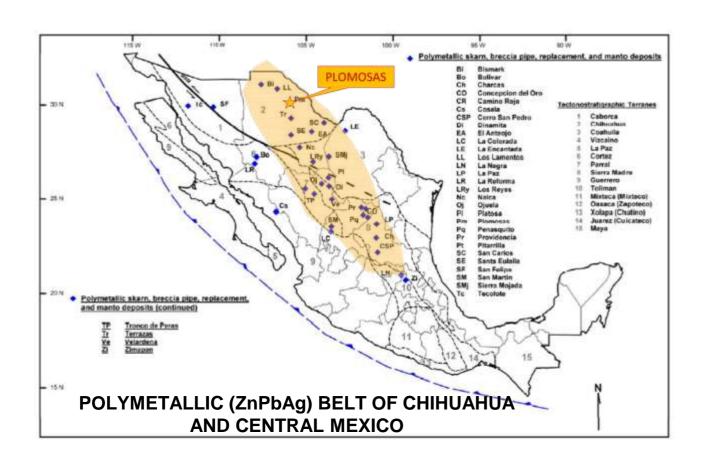
### How does Plomosas compare?

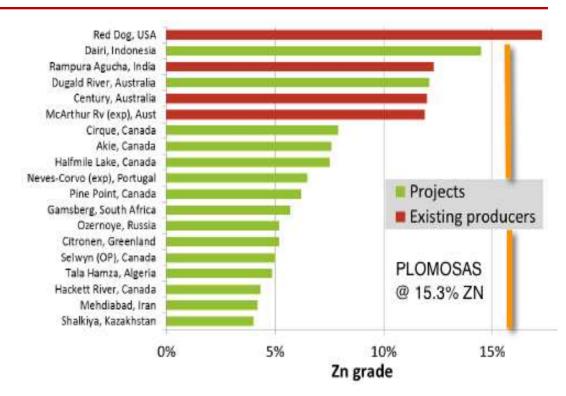


Zinc grade is higher than most deposits and competes with major, world class producers.

Silver content offers significant credits to reduce operating costs.

The Plomosas style and size of Zn-Pb-Ag deposit has been profitable around the world including within the Chihuahua region (eg Naica, Santa Eulelia) and the Lennard Shelf, WA.





Lennard Shelf Resources (December 2000)									
Deposit	Tonnes	Zn %	Pb %	Zn+Pb%	Ag				
Cadjebut	5,215.000	11.2	3.2	14.4	<l0g t<="" td=""></l0g>				
Cadjebut Splay Fault	390,000	1.4	14.4	15.8	<l0g t<="" td=""></l0g>				
Goongewa	2,571.000	8.5	2.8	11.3	40g/t				
Kapok/Kapok E	4.636.000	9.4	8.6	18.0	10-15g/t				
Kapok West	1,220.000	4.3	9.0	13.3	10-15g/t				
Kutarta	2,340.000	7.2	0.5	7.7	40g/t				
CADJEBUT TREND	16,372,000	8.9	5.0	13.9					
PIllara	18,786,000	7.8	2.6	10.4	15-20g/t				
Napier Range	590,000	8.5	8.0	16.5	75g/t				
Fossil Downs	1,460.000	10.1	1.6	11.7	30g/t				
TOTAL	37,208,000	8.4	3.7	12.1					

## Work Program



#### **ACTIVITY**

#### **TECHNICAL DUE DILIGENCE**

UG mapping and sampling and regional assessment

Survey of UG workings and tailings

Assessment of possible remnant mineralisation

Complete review of operations and cost structures

Processing review, Technical and Commercial.

Environmental review

COMPLETED

Ongoing

Week 23 Feb

Week 23 Feb

Week 23 Feb

#### **LEGAL DUE DILIGENCE**

Credit facility for ongoing operations

Secure Preferential Credit Status over Mining Leases

Prepare dual language legal transaction contracts

Incorporate 100% Mexican subsidiary, commence legal DD

Environmental and Property due diligence

COMPLETED

COMPLETED

COMPLETED

Week 23 Feb

#### **SCOPING STUDIES**

UG mining assessment and identification of options

Processing and metallurgical review

May 2015

Preliminary LOMP - target minimum 5 year mine life (Stg 1)

May 2015

#### **EXPLORATION PHASE 1**

Establish drill drives UG

- drill test down dip for near term mining resource

March 2015

Continue assessment of UG and tailings for early ramp up

April 2015

Outline remnant mineralisation

2015 H1

Compile and commission aeromagnetics and IP surveys

#### **EXPLORATION PHASE 2**

Surface exploration - along strike and down dip tbc

#### **MILESTONES RESULTING**

Confirmation of grades and continuity
Initial JORC resource & updates (near mine)
Scoping Study Conclusions
Decision as to processing options, sale contract
Decision as to early ramp up of production

## **Summary & Overview**



### The Plomosas project provides Newera with:

- Entry into a highly mineralised, low cost mining region.
- Low risk country with strong mining culture.
- Established offices, network and workforce.
- Ability to define mineral resources in short term
- Near term cashflow from assuming operations at our election
- Opportunity to establish operation with a 10 year mine life.
- Significant upside potential through exploration and acquisition.

#### Plomosas features:

- Multiple, very high grade Zn-Pb-Ag deposits.
- Mining leases and mining approvals in place.
- A producing asset.
- Good infrastructure and access.
- Clean mineralogy and high metallurgical recoveries.
- Low cost and low capex mining and processing options.







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Statements regarding Newera's plans with respect to its mineral concessions and the outlook for certain commodities are forward looking statements. There can be no assurance that Newera plan to develop these mineral concessions, nor will it be able to confirm the presence of economically viable deposits or additional mineral deposits in the future.

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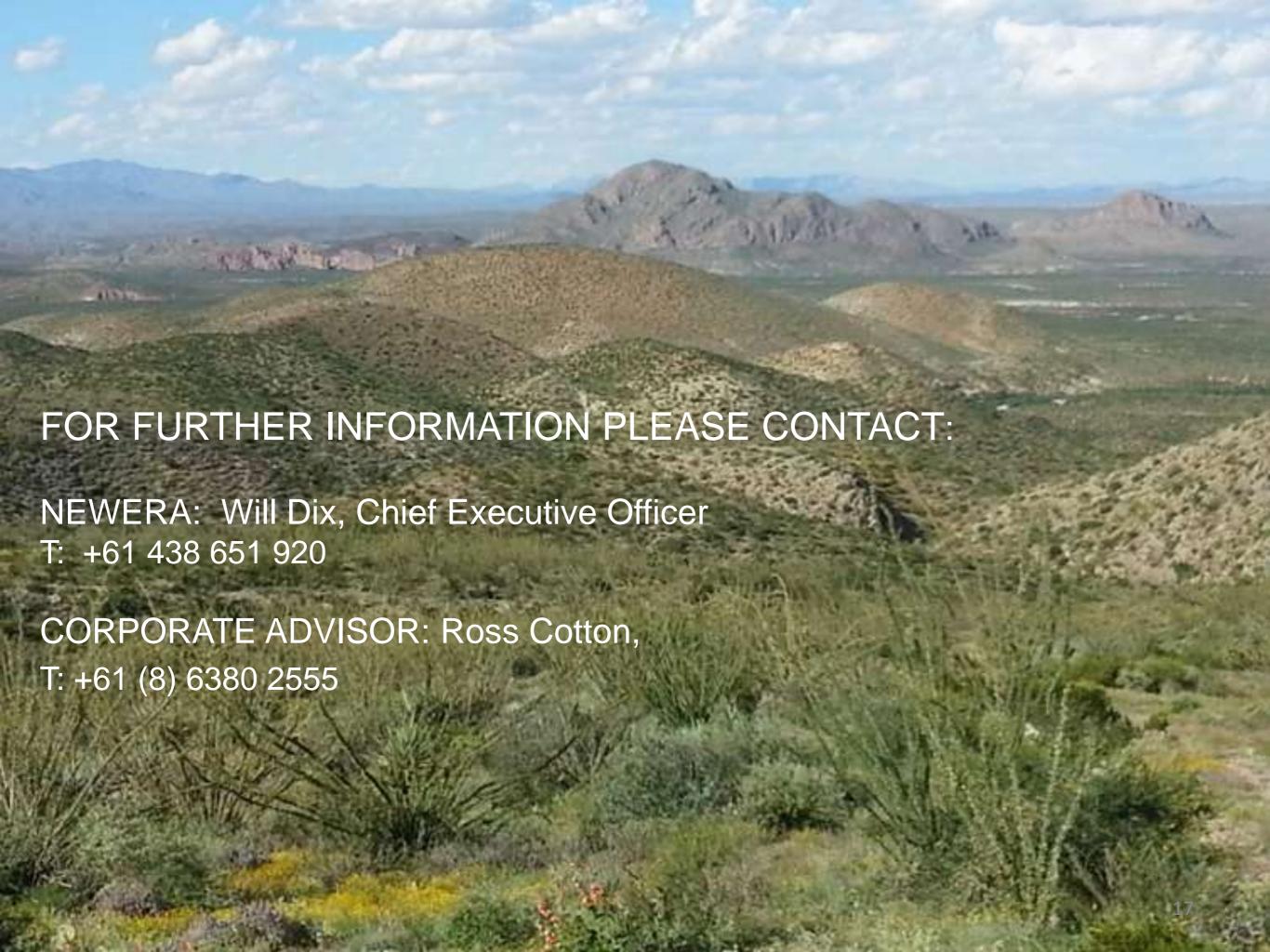
### **Cautionary Statement:**

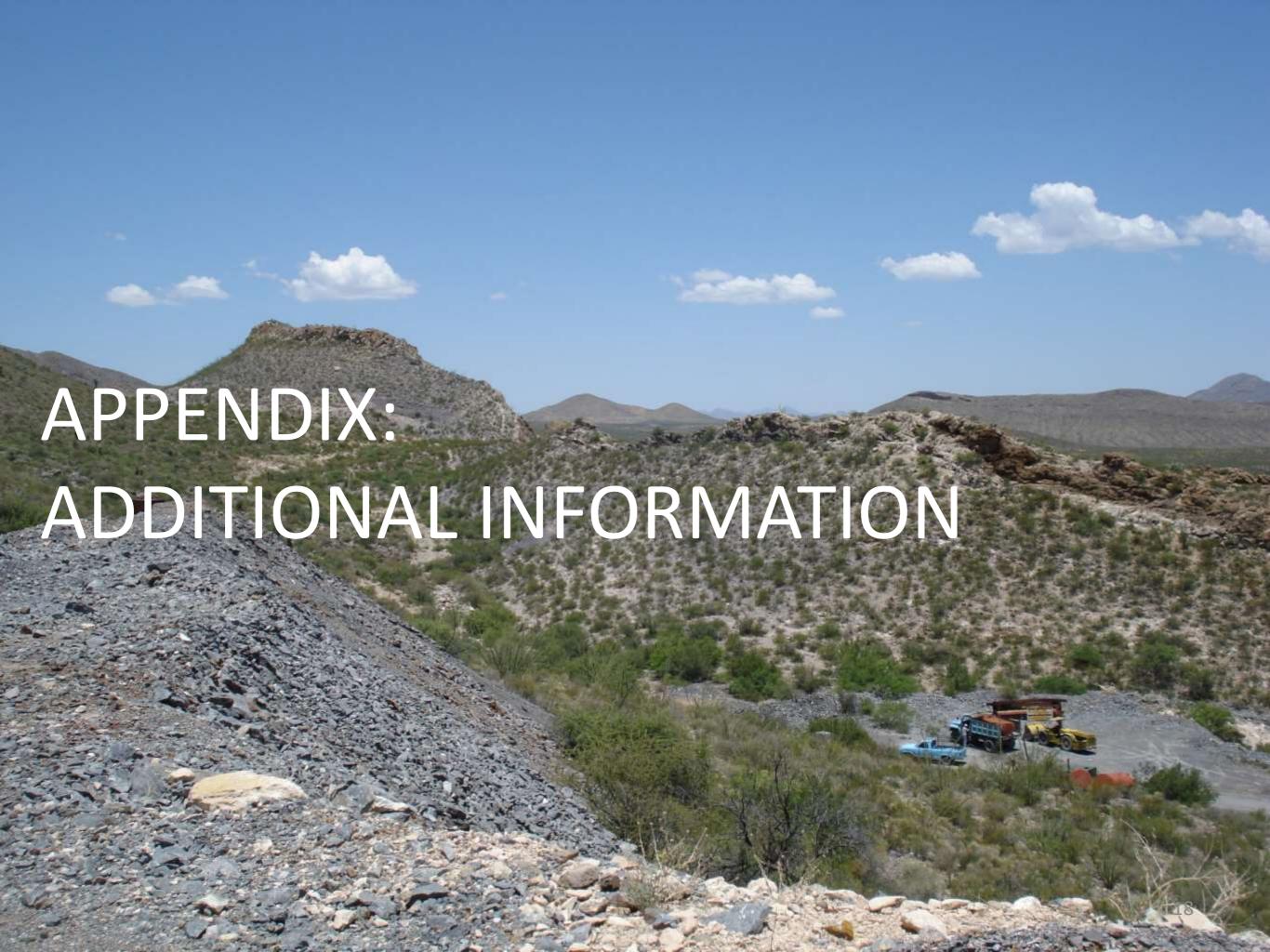
The potential quantity and quality of the exploration targets identified in this announcement are conceptual in nature, and there has been insufficient exploration to date to define a mineral resource in accordance with the Australian Code for Reporting of Mineral Resources and Ore Reserves published by the Joint Ore Reserve Committee 2012 ("JORC Code 2012"). Furthermore, it is uncertain if further exploration at its exploration targets will result in the determination of a mineral resource.

The potential quantity and grade of an exploration target is conceptual in nature, there has been insufficient exploration to determine a mineral resource and there is no certainty that further exploration work will result in the determination of mineral resources or that the exploration target itself will be realised.

### **Competent Persons' Statement:**

The information in this report that relates to exploration results, data collection and geological interpretation is based on information compiled by Mr Andrew Richards BSc (Hons), Dip Ed, MAusIMM, MAIG, MSEG, GAICD who is a Member of the Australasian Institute of Mining and metallurgy (AusIMM) and Institute of Geoscientists (AIG). Mr Richards has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves' (JORC Code). Mr Richards consents to the inclusion in the report of the matters based on his 16 information in the form and context in which it appears.





## Plomosas – District Exploration Targets



### Zinc-Lead-Silver targets

Prospective mineralised horizon up to 25m thick can be readily identified and dips at low to moderate angles.

Plomosas concessions contain over 6km strike of the mineralised horizon – underexplored and requires drill testing.

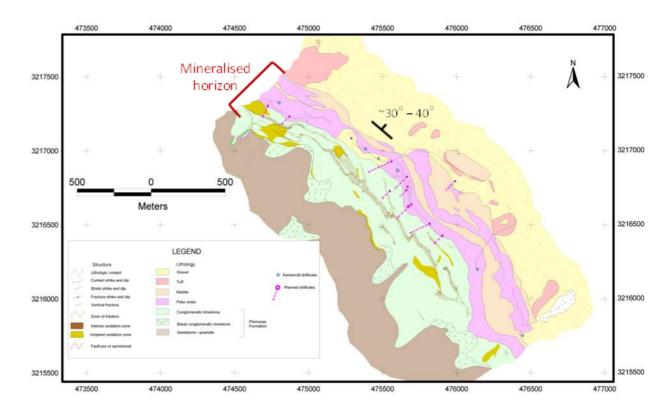
Mineralised sequence within horizon averages over 3m. Massive sulphide and part oxide mineralisation.

Expect additional mineralisation down dip and repetitions along strike of current workings

### **Exploration Target – Stage 1**

Initial Exploration Target of 2.8 – 3.2 Mt mineralisation at 15% - 25% Zn+Pb and 60-80 g/t Ag

down dip of existing mine workings (assuming advance additional 125 – 215mbs at 20kt per vertical metre)



1700m underexplored mineralised horizon around Plomosas mine



## Plomosas – District Exploration Targets

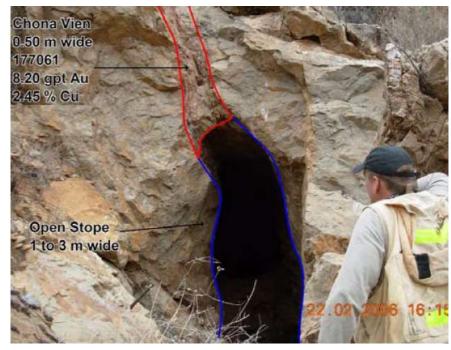


### Copper-gold epithermal mineralisation

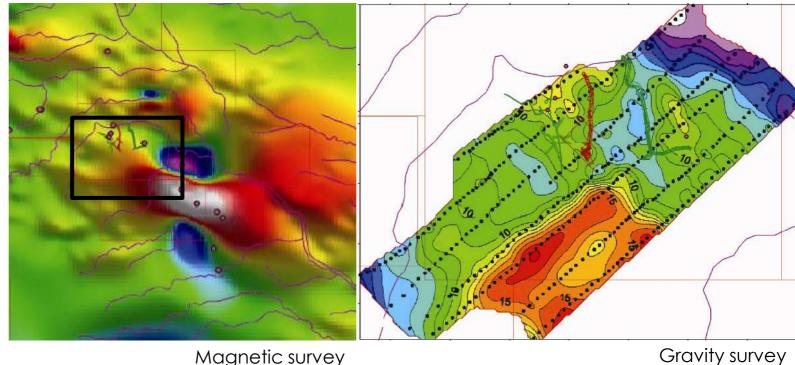
Chalcopyrite and gold encountered in parts of Plomosas including near intrusive in Juarez.

Narrow epithermal Cu-Au veins mined 4-7km WNW of Plomosas.

Gravity and magnetic survey (North Minera) suggests major intrusive at depth below the old camp. Source of mineralising fluids?



Chona Cu-Au vein



Magnetic and gravity surveys completed by North Minera (2000). Anomalies interpreted as significant intrusive at depth (black rectangle is area of gravity survey).

Gravity survey

### Mining



- Plomosas comprises three underground mines (Vieja, Juarez and Cuevitas) accessed via 3 separate portals.
- Cuevitas contains the largest historic workings with decline and shaft down to a total depth of over 250mbs (Level 10). Workings on an below Level 5 (135 mbs) are currently being prepared for access.
- No development mining is currently being undertaken.
- Access to the working areas is via historic declines (~3.5m wide x 3m high). The integrity of the declines is sound, despite the absence of any ground support in the vast majority of the decline system.
- A review of the haulage strategy and decline sizes may be required for future planned production rates.
- Ore is produced via small room and pillar stopes using traditional drill and blast techniques. Blasted ore is loaded into either a small underground truck or modified Ford F450 truck with small (1.5 to 2.5 cubic yard) Load Haul Dump (LHD) units







## **Processing plant**



- Ore is currently trucked 90km to a concentrator near Chihuahua for batch processing. Zinc and lead concentrates are then trucked 1700km to the port of Manzanillo, where it is sold under an existing contract.
- A small concentrator is installed on site but is currently not operational.
   The concentrator includes:
  - Dual stage crushing and screening circuit;
  - 2 small ball mills (2 x 25hp);
  - Two banks of float cells each containing 4 float cells;
  - Two thickeners;
- Plan to recommission to reduce operating costs and increase revenue.
- The majority of the equipment appears to be in good mechanical repair with minimal corrosion with only parts of the electrical installation needing replacement.





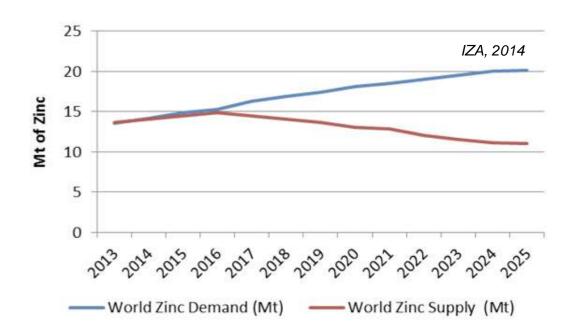


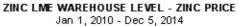
### Future of Zinc

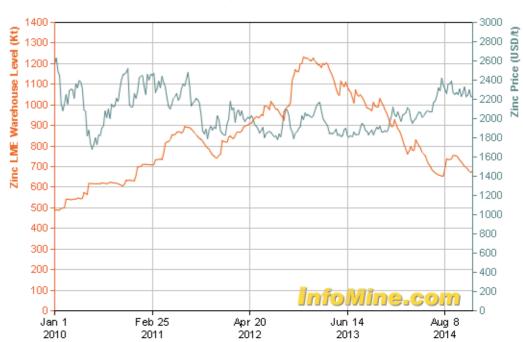


# Zinc demand to outstrip supply, underpinning price

- Several large mines to close over the next 4 years including Century, Brunswick/perseverance, Lisheen. Platts (Jan 2014), AMG (2014)
- Stocks have declined
   LME, International Zinc Assoc (IZA) (April, 2014), Glencore (2014), HDR Salva (2014)
- Demand to remain steady with increases from 2016.
   International Zinc Assoc (IZA) (April, 2014), HDR Salva (2014)



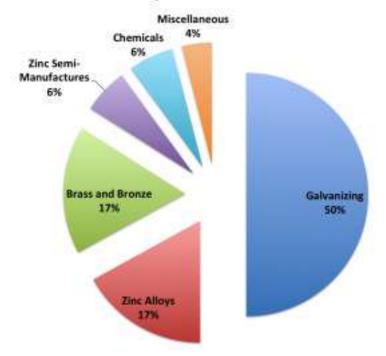




### Appendix: Zinc market details



#### Major Zinc End Uses



- At present, approximately 75% of the zinc consumed worldwide originates from mined ores and 25% from recycled or secondary zinc.
- Zinc is the 4th most utilised metal in the world.
- Rises in apparent demand of 9.2% in the United States and 13.8% in China were the main drivers behind an increase in global zinc metal usage of 7.4% for 2014 to date.
- Demand in Europe rose by a more modest 0.7%.
- Chinese net imports of refined zinc metal increased by 8.7% to 448kt.

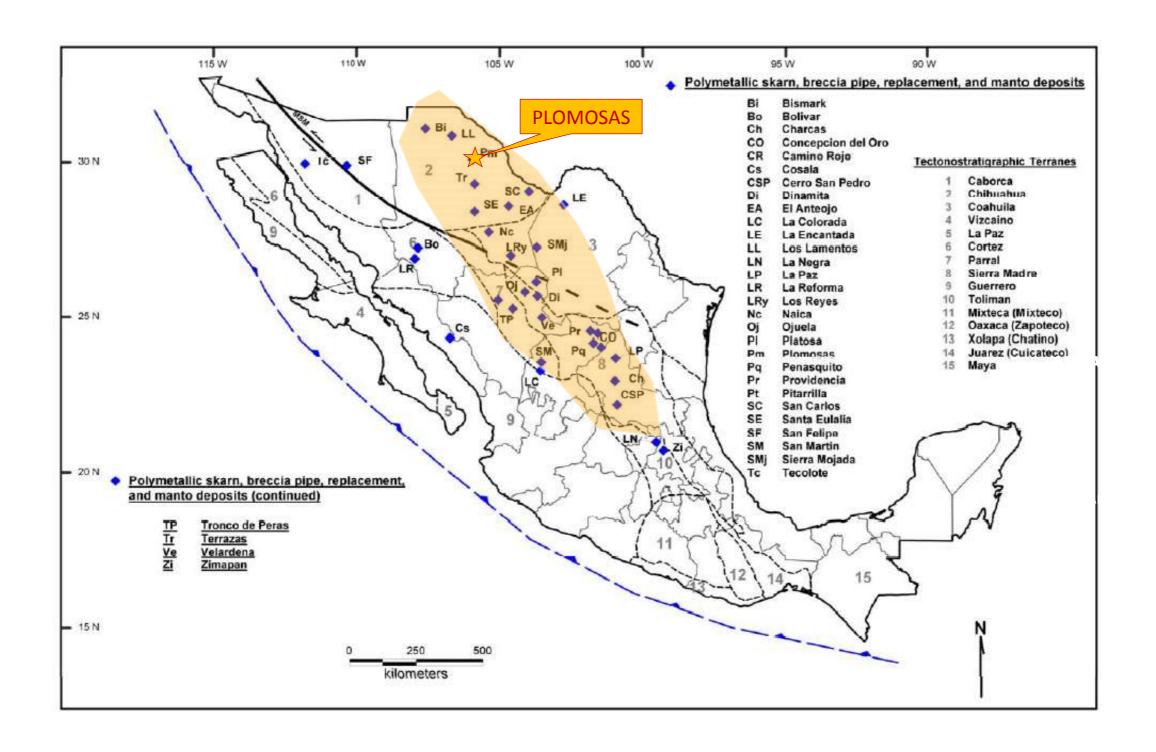
(Source: ILZSG 19th November 2014)

World Refined Zinc Supply and Usage 2009 - 2014												
Ţ.		2013 2014						2014				
2009	2010	2011	2012	2013	Jan-Sep		Jun	Jul	Aug	Sep		
11605	12346	12590	12770	13196	9729	9909	1133.3	1167.3	1168.0	1086.1		
11271	12896	13064	12630	12873	9550	9955	1122.7	1144.3	1133.2	1160.9		
10905	12649	12699	12386	12970	9555	10264	1166.2	1166.2	1185.3	1161.4		
	2009 11605 11271	2009 2010 11605 12346 11271 12896	2009 2010 2011 11605 12346 12590 11271 12896 13064	2009     2010     2011     2012       11605     12346     12590     12770       11271     12896     13064     12630	2009     2010     2011     2012     2013       11605     12346     12590     12770     13196       11271     12896     13064     12630     12873	2009     2010     2011     2012     2013     Jan-       11605     12346     12590     12770     13196     9729       11271     12896     13064     12630     12873     9550	2009         2010         2011         2012         2013         2014           11605         12346         12590         12770         13196         9729         9909           11271         12896         13064         12630         12873         9550         9955	2009         2010         2011         2012         2013         2014           11605         12346         12590         12770         13196         9729         9909         1133.3           11271         12896         13064         12630         12873         9550         9955         1122.7	2009         2010         2011         2012         2013         2014         20           11605         12346         12590         12770         13196         9729         9909         1133.3         1167.3           11271         12896         13064         12630         12873         9550         9955         1122.7         1144.3	2009         2010         2011         2012         2013         2014         2014           11605         12346         12590         12770         13196         9729         9909         1133.3         1167.3         1168.0           11271         12896         13064         12630         12873         9550         9955         1122.7         1144.3         1133.2		

Source: ILZSG

### Chihuahua BM deposit metallogenic trend





### Appendix 2 – Heads of Agreement Terms



#### <u>Plomosas - Terms of Heads of Agreement</u>

The key terms of the Heads of Agreement between Newera and Arena Exploration are outlined below:

An upfront payment of A\$150,000 to acquire 100% of Arena.

Newera will make available a working capital facility of up to US\$250,000 secured by first ranking charge, held over the existing mining concessions, titles, rights and equipment.

Subject to Newera being satisfied with the results of its due diligence investigations, NRU may elect to acquire, through Arena Exploration, 51% of the Plomosas project in Tranche 1 with the following considerations:

Make further cash payments totalling \$400,000 and the issuing of 750,000,000 NRU shares at a deemed value of \$0.002 per share, (or the equivalent number of shares if the exercise of the Option results in the Company having to comply with Chapters 1 and 2 of the ASX Listing Rules).

Make available an additional working capital facility up to \$850,000 secured by first ranking charge, held over the existing mining concessions, titles, rights and equipment.

Newera will have up to 3 years to elect to acquire 90% of the project by making a further cash payment totalling \$750,000 and issuing NRU shares to the value of \$2,500,000 calculated at a value weighted average market price over 30 days prior to the exercise of the right by Newera. The Mexican Vendors of the Plomosas project (Mexican Vendors) shall have a 10% free carried interest up until completion of a bankable feasibility study. The Mexican Vendors shall, upon the completion of a bankable feasibility study, have a put option to sell their remaining 10% interest at a price to be determined by internationally recognised experts. The Mexican Vendors may elect to maintain their 10% and contribute proportionally to capital calls made in relation to the project.

Upon Newera electing to acquire 90% of the project, it will be obligated to grant the vendors of Arena Exploration a free carried interest of 10% in the project (resulting in Newera having an overall interest of 80%) until such time as a bankable feasibility study for the project is completed. The vendors of the Arena Exploration shares will have a put option to sell their interest in the project for a purchase price, payable in Newera shares, equal to 10% of the enterprise value of Newera at the time of election. Newera will, upon achieving a market capitalisation of \$50,000,000 have a call option to acquire the Arena Exploration vendors interest in the project for the same purchase price.

Newera's acquisition of Arena Exploration Pty Ltd and the transactions contemplated under these Heads of Agreement is subject to the satisfaction of conditions precedent including Newera obtaining any shareholder approvals under the Listing Rules and Corporations Act.