

# La Productora-The Producer





# PRODUCTORA COPPER PROJECT CHILE

Precious Metals Summit Presentation Hong Kong, January 2013

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Exploration Target Size and Target Mineralisation described in this presentation is conceptual in nature and should not be construed as a JORC compliant Mineral Resource. Target mineralisation is based on projections of established grade ranges over appropriate widths and strike lengths having regard for geological considerations including mineralisation style, specific gravity and expected mineralisation continuity as determined by qualified geological assessment. There is insufficient information to establish whether further exploration will result in the determination of a Mineral Resource.

### **Rapid Rise of Productora**

 One of Chile's fastest emerging major new coastal range copper projects

Development studies well advanced for a
 10Mtpa, 20 year mine life open pit project

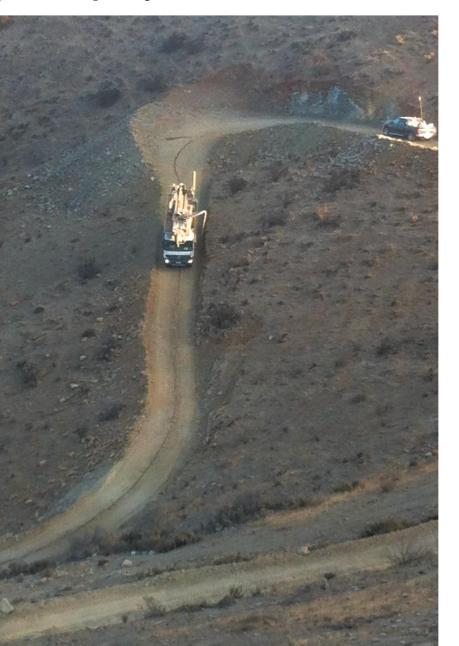
 Large drilling program underway to triple size of resource base to 300Mt

 Strong growth pipeline, existing infrastructure and strategic partnerships- do-able

 2013 Funding complete to transform Hot Chili into one of the leading emerging copper producers on ASX



# **Company Overview**



### **Capital Structure**

295.3 Million shares

24.3 Million unlisted 20c options (exp Nov 2013)

**9.3** Million unlisted 75c options (exp Feb 2013)

**39.7** Million unlisted 75c options (exp Nov 2014)

### **Cash at Hand**

Approx. AU\$ 42 million

### **Top 5 Shareholders**

**18.5%** Kalgoorlie Auto Services

**14.6%** Taurus Funds Management

**7.3%** Lundin Mining

**5.5%** CAP S.A. (Port Finance)

**5.0%** Exploration Capital Partners

#### **Board of Directors**

Murray Black Non-executive Chairman

Christian Easterday Managing Director

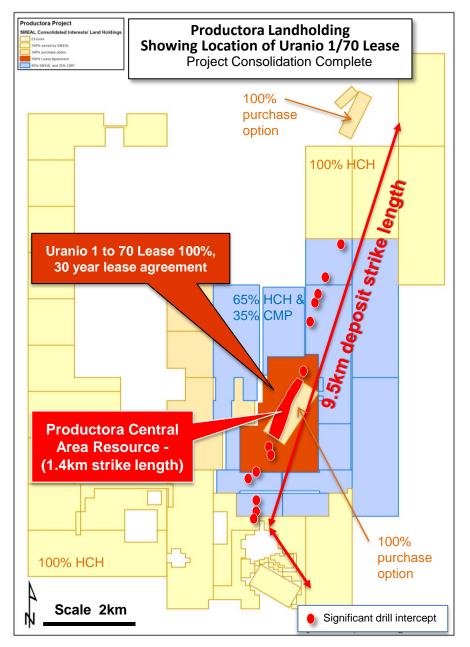
Allan Trench Non-executive Director

Michael Anderson Non-executive Director

**Geoff Laing** Executive Director



## **Consolidation of Productora Complete**





# Large central pit development option now available

- Four years and nine deals to consolidate the Productora project
- Last critical lease (Uranio 1/70) within the centre of Productora secured in July 2012
- Long-term 30 year exploration and exploitation lease agreement with CCHEN
- Addition of a critical 1.2km portion with wide historical Teck drill intercepts

### Central Area Resource - 15% of deposit footprint

Classification	Reporting	Grade					Contained Metal			
	Cut Off	Tonnage	Copper	Gold	Molybdenum	Copper Eq*	Copper	Gold	Molybdenum	Copper Eq*
	Cu %	(Mt)	%	(g/t)	(g/t)	%	(Tonnes)	(Oz)	(Tonnes)	(Tonnes)
Indicated	0.3	31,1	0.6	0.1	159	0.8	184,612	109,711	4,942	248,204
Inferred	0.3	54.0	0.6	0.1	138	0.7	298,062	179,895	7,476	395,438
Total	0.3	85.1	0.6	0.1	146	0.8	482,673	289,606	12,418	643,642



- Bulk tonnage, little pre-strip, high grade for Chilean coastal deposit, small oxide component
- 2 RC and 1 DD Australian drill rigs commenced major extensional drilling in Oct 2011

# **Target Mineralisation**

### Copper

280 to 320 million tonnes grading 0.5 to 0.7% for 1.4 to 2.2 million tonnes of copper metal

### Gold

280 to 320 million tonnes grading 0.1 to 0.2g/t for 0.9 to 2.0 million ounces of gold

### Molybdenum

280 to 320 million tonnes grading 120 to 180ppm for 33,000 to 57,000 tonnes of molybdenum metal



### **Development Studies Proving Robust**

# Ausenco hot



Metallurgy - High copper recoveries of 93.5 – 96% at coarse grind size, +27% commercial concentrate grade

 Environmental - Baseline studies well advanced. on-track to submit EIA by early 2013

Engineering - Capital and operating cost estimates well advanced

 Financial Modeling - Advanced models robust at US\$2.50/lb copper price, life of mine

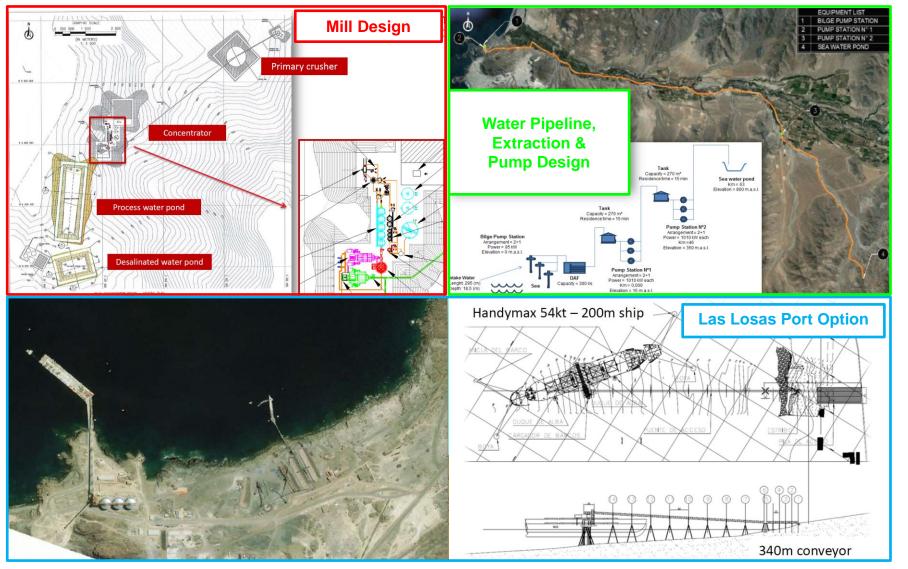


## **Infrastructure Design**

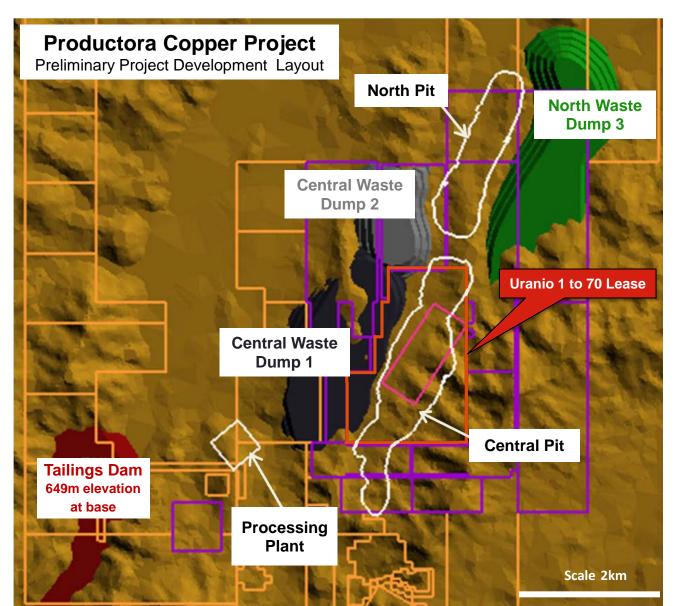
# Ausenco

- Minimal infrastructure Sulphide mill, water pipeline (2 pumps), CMP Los Losas port option
- Successful infrastructure deal shorter time to production with lower start-up capital cost





# **Project Development Lay-out**



# Ausenco hot

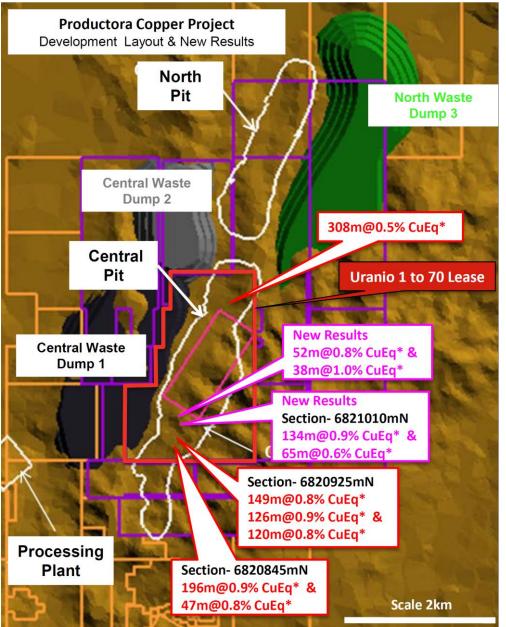


Two main pits-

Central Pit - 4km length North Pit -2km length

- Preliminary pit optimsations to average 270m depth
- Marginal economic copper grade determined to be approx 0.2% copper
- Room for all surface project lay-out

# **Project Development Lay-out and New Drill Results**

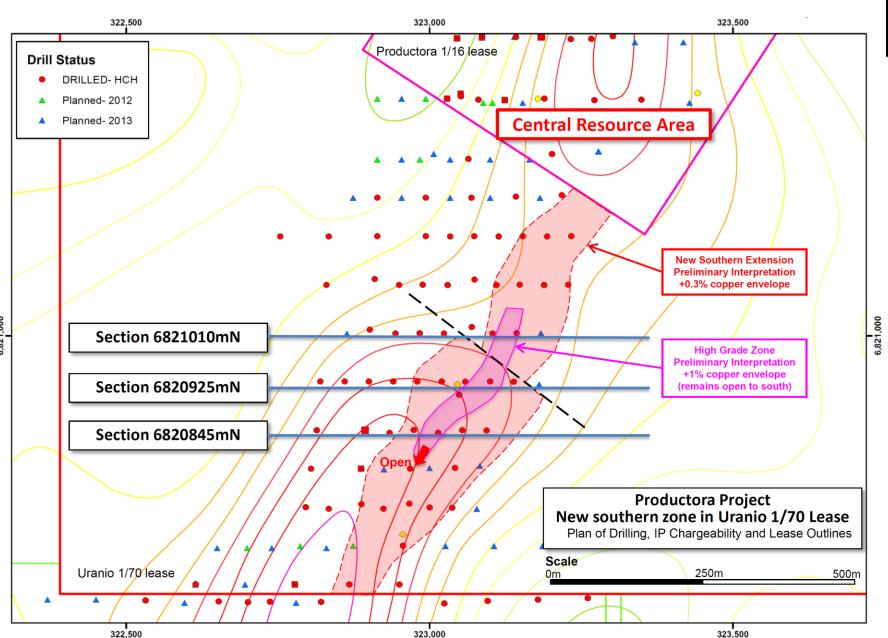




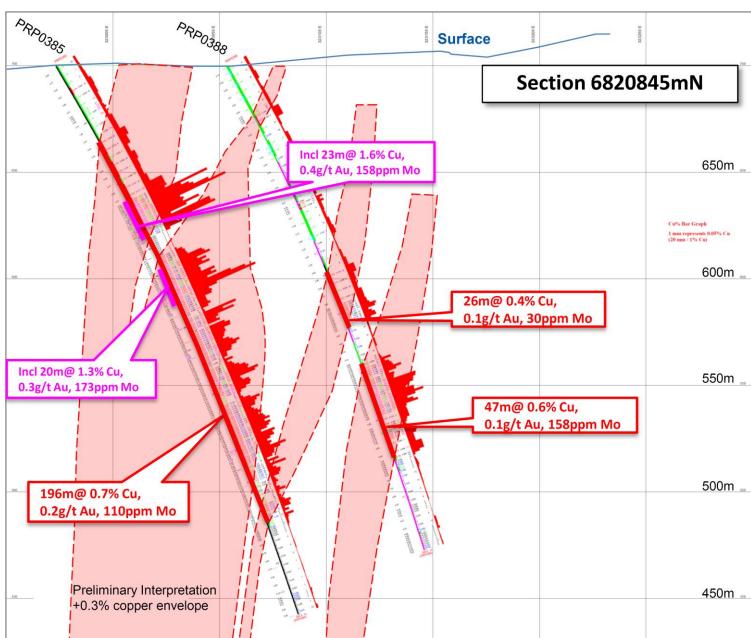
Likely Impact of New Drill Results

Central Pit – **deeper, lower SR**North Pit - **HG shoot addition** 

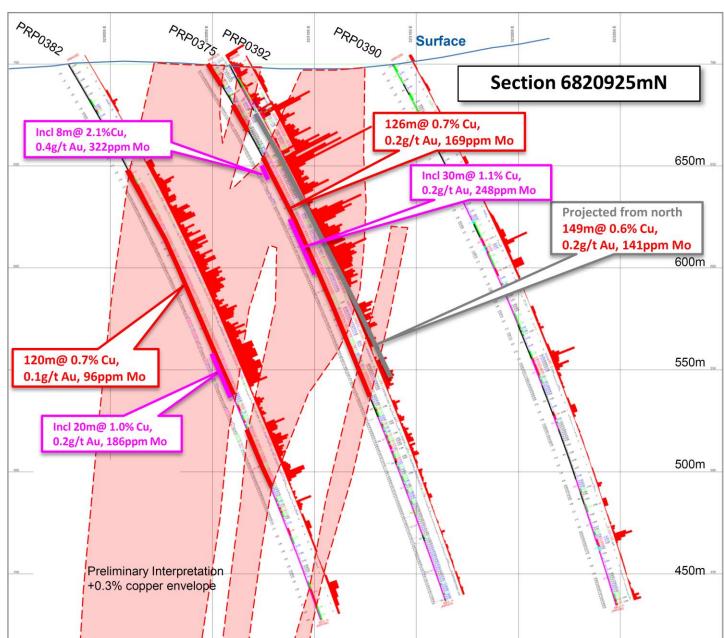
- High grade shoots will improve grade and reduce payback through scheduling
- Substantially wider and better grade lodes in new Uranio lease- central pit to take majority of base-case
- Base-case Scoping underestimated grade assumption- major up-side to economics



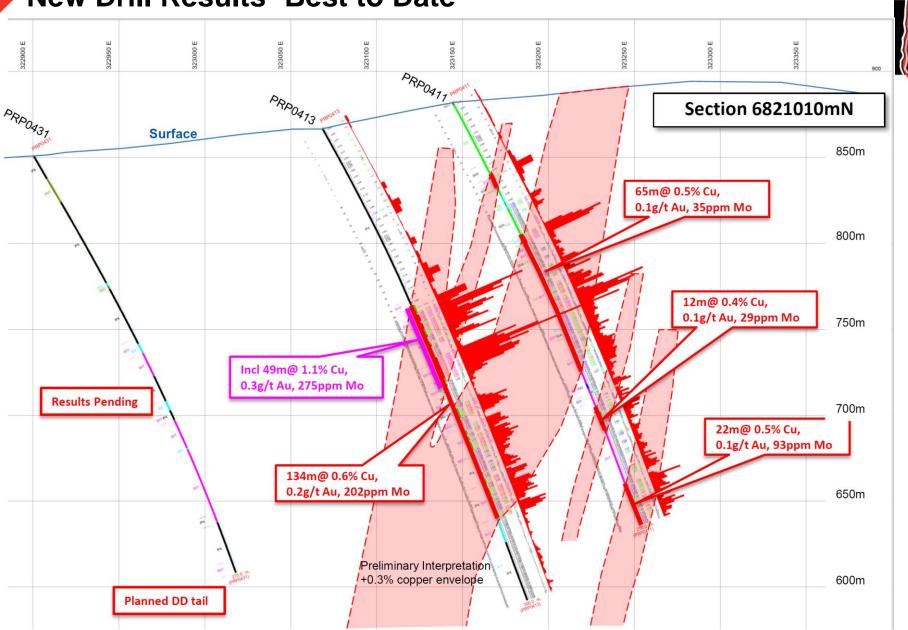










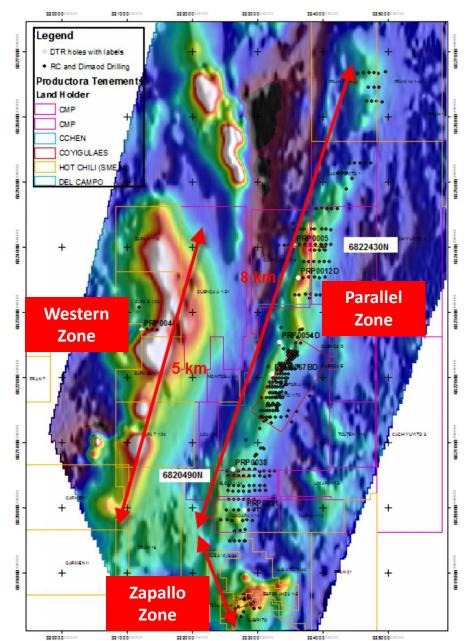


# Hot Chili and CMP Co-operate on Infrastructure

- Letter of Intent signed with Chilean iron ore major CMP in July 2012 to negotiate joint infrastructure
- Port, rail, easement corridor, maritime/surface rights
- Ideal location 800m elevation, 15km south of township of Vallenar, adjacent to PanAmerican Hwy



# Hot Chili and CMP to Study and Negotiate Iron Option





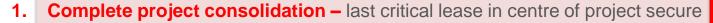
- 2<sup>nd</sup> Letter of Intent signed with Chilean iron ore major CMP in July 2012
- Study and negotiate details of iron production option for Productora
- 3 magnetite zones identified 13.5km length

### **HCH & CMP Operational Synergy**

- HCH Parallel zone within the western waste wall of copper pit design - potential revenue from waste
- CMP Potential cheap magnetite source next to CMP iron ore operations, infrastructure ready

### **Productora Growth and Development Milestones**

### **Major forward milestones**



**July 2012** 

2. Infrastructure Access – LOI's signed for joint infrastructure and potential iron production negotiation with Chilean iron ore major CMP

**July 2012** 

3. Resource upgrades towards 300Mt – early 2013 and early 2H 2013

2012/2013

4. Development studies – Scoping in Oct 2012, PFS in mid 2013, DFS in mid 2014

2012/2013

5. Decision to Mine – 60kt pa copper production targeted to commence in 2016

**End of 2013** 





# **Building a Long Term Copper Producer**

 Two new projects announced in July 2012 within trucking distance, north and south of Productora

 Building a production hub at Productora towards a future annual copper production target of 150kt within the next 5 years

 Emerging Large scale, low altitude, infrastructure ready, copper producer in the lucrative Chilean copper space



### **Qualifying Statements**

### **Target Mineralisation**

References to exploration target size and target mineralisation in this presentation are conceptual in nature and should not be construed as indicating the existence of a JORC Code compliant mineral resource. Target mineralisation is based on projections of established grade ranges over appropriate widths and strike lengths having regard for geological considerations including mineralisation style, specific gravity and expected mineralisation continuity as determined by qualified geological assessment. There is insufficient information to establish whether further exploration will result in the determination of a mineral resource within the meaning of the JORC Code.



### **Copper Equivalent Calculation (Cu Eq\*)**

Copper Equivalent (also Cu Eq\*) Calculation represents the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage. These results are exploration results only and no allowance is made for recovery losses that may occur should mining eventually result. However it is the company's opinion that elements considered here have a reasonable potential to be recovered as evidenced in similar multi-commodity natured mines elsewhere in the world. Copper equivalent conversion factors and long-term price assumptions used follow:

Copper Equivalent Formula = Cu % + Mo(ppm)x0.0008 + Au(ppm)x0.6832Price Assumptions - Cu (US\$1.80/lb), Mo (US\$15/lb), Au (US\$850/oz)

### **Competent Person Statement**

#### **Exploration Reporting**

Information in this announcement that relates to exploration results and mineralisation is based on information compiled by Mr Christian Easterday, a Director, who is a Member of The Australian Institute of Geoscientists. Mr Easterday 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 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code). Mr Easterday consents to the inclusion in this presentation of the statements based on his information in the form and context in which they appear.

#### **Resource Reporting**

Information in this announcement relating to mineral resources is based on information compiled by Mr. Alfred Gillman, a Fellow of the Australian Institute of Mining and Metallurgy (CP). Mr Gillman is an independent resource consultant and 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 Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC code 2004). Mr Gillman consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.



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