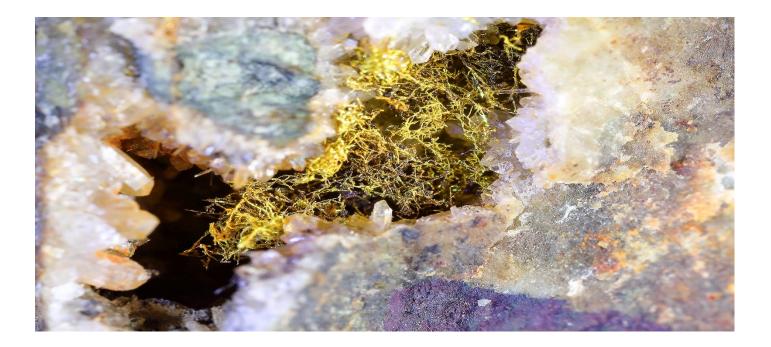
# METMINCO

**Exploring & Developing Colombia's Cauca Belt** 



Post Equity raising update

17 May 2018

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#### **COMPETENT PERSONS STATEMENTS – MIRAFLORES GOLD PROJECT**

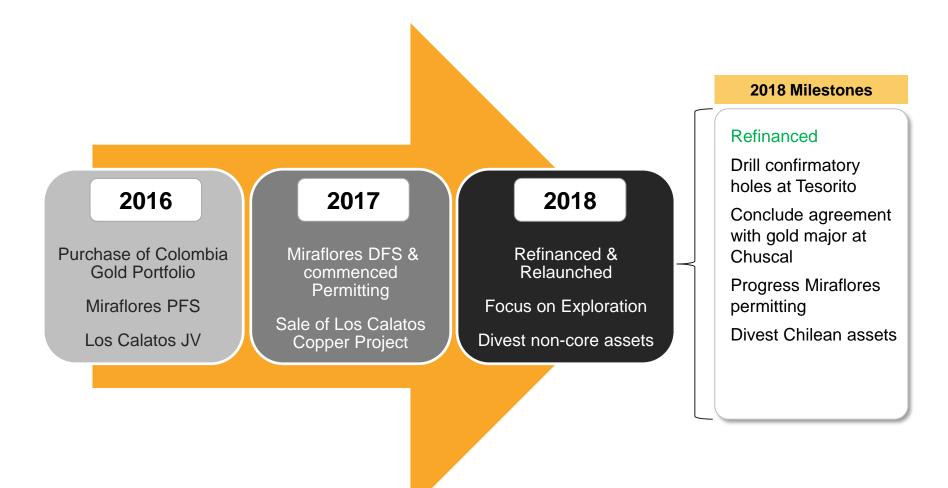
The technical information contained in this presentation in relation to the JORC Code (2012) compliant Ore Reserves and JORC compliant Mineral Resources for the Miraflores Gold Project is reported in the Announcement Reserves Release Update dated 27 November 2017.

The technical information contained in this presentation that relates to exploration results (excluding those pertaining to Mineral Resources and Reserves) is based on information compiled by Mr Gavin Daneel, who is a Member of the Australasian Institute of Mining and Metallurgy and who is an independent Consulting Geologist. Mr Daneel 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' and to qualify as a Competent Person for the purposes of the AIM Rules for Companies. Mr Daneel consents to the inclusion in the release of the matters based on the information compiled by him in the form and context in which it appears.

The Company is not aware of any new information or data that materially affects the information included in this presentation. All material assumptions and technical parameters underpinning the estimates in the Announcement continue to apply and have not materially changed.

#### **Recent History- Near Term Objectives**





## **Company Snapshot: Current**

	ET	$^{-}M$	IN	С	$\bigcirc$
ASX C	ode: M	NC.AX: A		le: MN	C.L

l 2018)
843.8m
MNC
0.8¢
A\$7.6m
256.3m
nil
A\$3.1m
\$837k
\$2.8m

#### Shareholder Ownership Structure <sup>(3)</sup>

BNP PARIBAS NOMINEES	8%
MR NEVRES CRLJENKOVIC	5%
OSIRIS CAPITAL INVESTMENTS	3%

TOP 20

49%

Current Board & Management				
Kevin Wilson	Executive Chairman			
Roger Higgins	Non-Executive Director			
Francisco Vergara	Non-Executive Director			
William Howe	COO			
Graeme Hogan/ Geoff Widmer	Company Secretary			

#### 12 Month Share Price Performance & Volume<sup>(4)</sup>



1. A further 2,702,152 shares have been issued subject to shareholder approval on 28 May 2018.

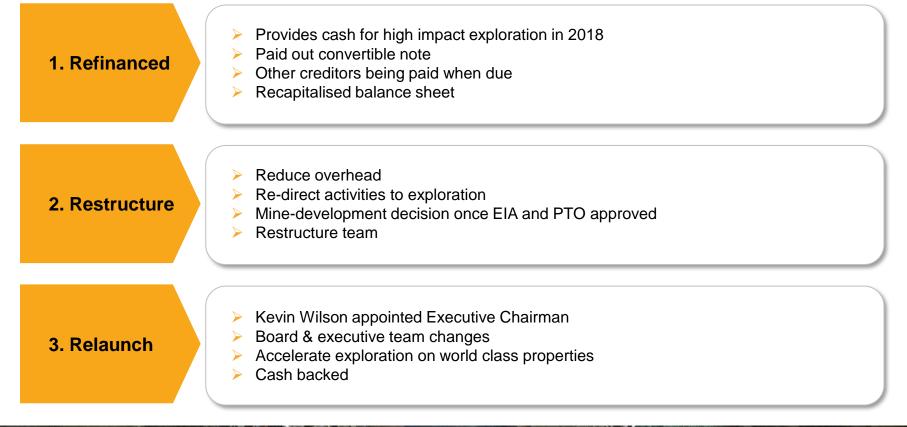
2. Options comprise: 12.4m exercisable at 8.1¢ expiry 19 May 2019; 12.4m exercisable at 8.0¢; and 231.6m options exercisable at 1.1¢, expiry 1 June 2020. A further 241.5m options exercisable at 1.1c expiry 2019 have been issued subject to shareholder approval on 28 May 2018.

3. As at 11 May 2018.

4 Source: IRESS

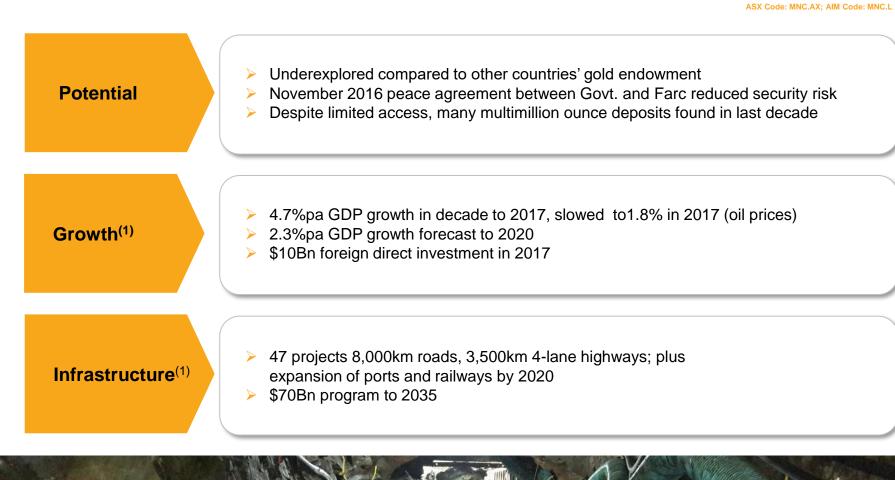
## Equity Raising: Refinanced, Restructured, Relaunched







#### Colombia- underexplored, developing nation





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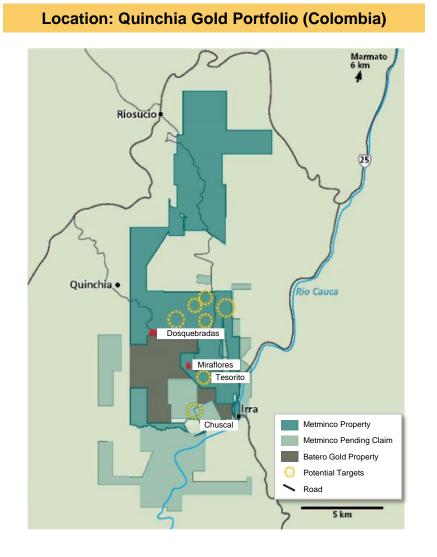
#### **Colombia - Cauca Belt: Address for Giant Gold**





#### "Core" Asset Overview & Locations





#### Summary: Quinchia Gold Portfolio (Colombia)

Current Concession	6,043 Ha
Pending Applications	3,792 Ha
Ownership	100% (deferred milestone payments owed to RMB – See Appendix)
Drilling to Date	> 40,000 m
Tesorito	Gold-copper porphyry-style mineralisation TS-DH-02: 384m @ 1.01g/t Au
Chuscal	Significant gold in soil geochemical anomaly over artisanal underground workings. Option agreement exercised with AngloGold Ashanti; formalised agreement / JV discussions underway
Miraflores	Feasibility Study completed in Oct 2017 Reserve Estimate: 4.32Mt P & P Reserve @ 3.3g/t Au (457koz Au) <sup>(1)</sup> Resource Estimate: 9.27Mt M & I @ 2.82g/t Au and 2.77g/t Ag (840koz Au) <sup>(1)</sup>
Dosquebradas	920koz Au @ 0.5g/t Au Inferred Resource <sup>(2)</sup>
Additional Targets	Santa Sofia, La Loma, Naranjal, Miracielo and Sausagua

1. ASX and AIM Announcement Reserves Release Update dated 27 November 2017, page 1.

2. ASX and AIM Announcement dated 7 March 2016, page 1 & 2.

# The Value Story: Low Hanging Fruit on Giant Tree



- Quinchia Gold Portfolio located in Colombia on Andean Cauca trend, host to worldclass gold porphyry deposits: La Colosa (28Moz)<sup>(1)</sup> & Marmato (8.6Moz)<sup>(2)</sup>
  - Tesorito prospect: Initial drilling returned 384m @ 1.01g/t Au, 0.90g/t Ag and 0.080% Cu beneath a significant multi-element soil geochemical anomaly adjacent to a high chargeability anomaly

Chuscal target: Significant gold geochemical anomaly (under negotiation)

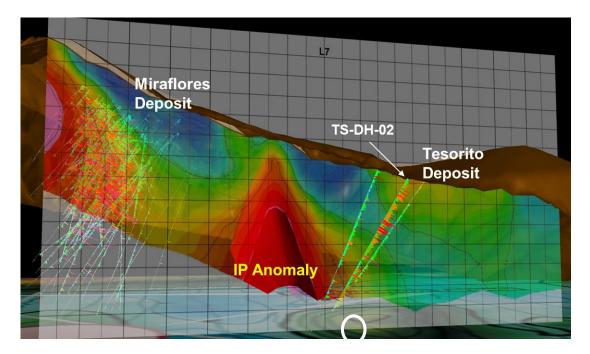


1. AngloGold Ashanti's La Colosa Mineral Resource & Ore Reserve Statement for the Year Ended December 31, 2013.

2. Gran Colombia's Marmato NI 43-101 Updated Mineral Resource Estimate dated November 20, 2017 and effective June 16, 2017. Previous Mineral Resource Estimate of 14.4Moz effective June 21, 2012; change driven by shift in mining style from Open Pit to Underground Mining and increase in cut-off grades utilised.



- Initial drilling (3 holes) all intersected >250m of anomalous gold mineralisation.
- TS-DH-02 returned >1g/t Au over 384m from surface.
- Significant surface multielement geochemical anomaly, and adjacent to high chargeability anomaly extending over 500m x 700m.
- Adjacent high chargeability IP anomaly untested.
- Well mineralised veining system indicated by previous drilling.
- Strategic drilling programme to commence April 2018.



Drill Hole	Results
TS-DH-01	340m @ 0.40g/t Au, 0.58g/t Ag and 0.032% Cu
TS-DH-02	384m @ 1.01g/t Au, 0.90g/t Ag and 0.080% Cu
TS-DH-03	255m @ 0.51g/t Au, 0.67g/t Ag and 0.052% Cu

0.00



■AG ■AU 5.00 4.00 3.00 g∕t 2.00 1.00 1.01q/t Au 0.00 **Drill Depth (m)** CU Mo 1.00 1,400 1,200 0.80 1,000 **(udd)** 800 **600** 400 Cu (%) 0.60 0.40 **Increasing Cu** 400 grades 0.20 200

Au values throughout drill hole TS-DH-02, increasing Cu/Mo at depth: 0.22% Cu and 86 ppm Mo over 35 metres at end-of-hole.

 $\begin{array}{c} \begin{array}{c} & 16\\ & 26\\ & 26\\ & 33\\$ 

Drill Depth (m)



- Porphyry system, mineralised throughout drill holes
- 1,500m drilling program commences May 2018 to target both increasing copper at depth and chargeability anomaly



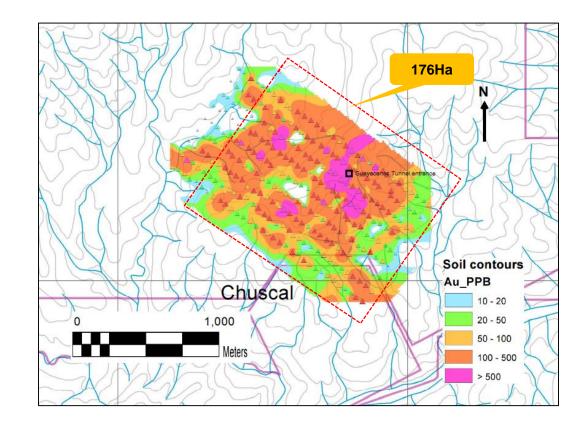


# **Chuscal: Low Hanging Fruit 2.0**



#### • Significant porphyry gold target.

- Gold geochemical anomalies
   >100ppb over majority of the
   176Ha sampled, includes 500m x
   250m zone > 0.5g/t Au.
- No geophysics or drilling.
- Title: applications; formalised agreement / JV discussions underway.
- 2H 2018 geophysics and drilling on grant of application.



# **Chuscal: Low Hanging Fruit 2.0**

ASX Code: MNC.AX; AIM Code: MNC.L

- Artisanal underground working with small milling and gravity circuit.
- Mineralisation is in both high-grade and lower-grade stockwork veining.





#### **Miraflores**



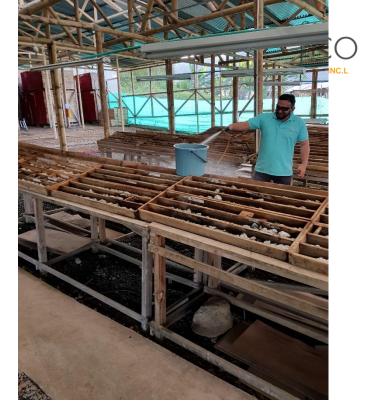
- 800m from Tesorito Prospect; 2km from Chuscal Target (under negotiation)
- 840koz (M+I) gold Resource @ 2.8g/t Au
- 457koz (P+P) gold Reserve @ 3.3g/t Au
- DFS completed late 2017, 45koz p.a. for 9.5 years
- Capex US\$72M, NPV after-tax = US\$72M (8%)
- AISC US\$643/oz
- 2018 plan: EIA and permitting process to continue through 2018 & consider higher grade opportunities to enhance NPV





# Summary

- High impact drilling program commencing May 2018
- Large gold prospect at Tesorito
- Existing Resources and Reserves at Miraflores
- Negotiating on Chuscal, large gold prospect
- Low capitalisation of A\$7.6m
- Cash for current programs



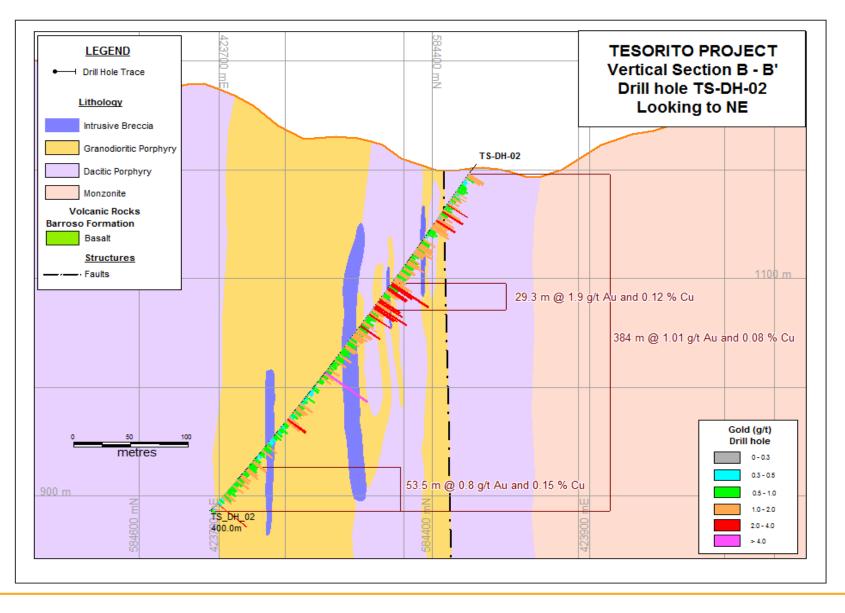


# METMINCO

# **APPENDICES**







#### **People: Board**





Kevin Wilson Executive Chairman

- Kevin has 30+ years' experience in the mining and finance industries including as a geologist, financier in US and Australia and CEO experience in Australia.
- He is currently non-exec Chairman of Navarre Minerals and NED of Investigator Resources.



Dr Roger Higgins NED

- Roger has 40+ years of experience in the mining industry, which has included environmental, strategy, project development and operational roles.
- Currently a NED at Newcrest Mining, he has spent more than 30 years in operational and executive roles with BHP and Teck, gaining experience in Australia, PNG, Chile, Peru, US and Canada.



Francisco Vargara NED

- On the Board since 2010, Francisco has 30+ years' experience in the mining industry in Chile and other Latin American countries.
- He has provided legal services to mining companies and engineering firms focused on natural resources, energy, shipping and agriculture.



#### **RMB** Payments

- In May 2016, Quinchia Gold Portfolio purchased from RMB Australia Holding Limited (RMB);
- Remaining milestone cash payments to RMB to occur up until 2020:
  - Second payment of A\$1 million on 20 June 2018;
  - > Third payment of A\$3 million on the earlier of a) decision to mine; b) 20 June 2019; and
  - Fourth payment of A\$2 million on the earlier of a) decision to mine; b) 20 June 2020.
- Metminco must also pay a maximum of A\$7.0 million in royalty payments to RMB from operating cash flows.

#### Ausenco MOU

- Ausenco and Metminco have agreed to
  - defer costs accrued to December 2017 by Metminco for engineering services in connection with the Miraflores Project (amounting to \$559,000) into the construction costs of the Project.
  - Ausenco will provide a Guaranteed Maximum Price and a Lump Sum Turnkey price, and will enter into an EPC, for the development of Miraflores.
  - If Metminco withdraws from the MOU, Metminco has agreed to pay Ausenco \$838,500.







-	JORC Mineral Resource (1.2g/t Au cut-off) (March 2017) <sup>(1)</sup>					
	Resource Classification	Mt	Au (g/t)	Ag (g/t)	Au (koz)	Ag (koz)
	Measured	2.96	2.98	2.50	283	237
	Indicated	6.31	2.74	2.90	557	588
	Total (M&I)	9.27	2.82	2.77	840	825
	Inferred	0.49	2.36	3.64	37	57

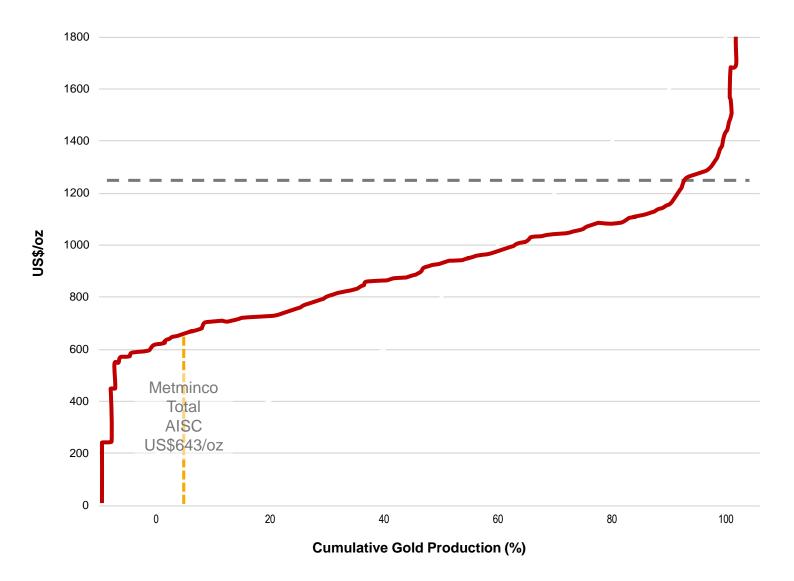
JORC Ore Reserve (1.53g/t Au cut-off) (Nov 2017) <sup>(2)</sup>						
Reserve ClassificationMtAu (g/t)Ag (g/t)Au (koz)Ag (koz)						
Proved	1.70	2.75	2.20	150	120	
Probable	2.62	3.64	3.13	307	264	
Total (P & P)         4.32         3.29         2.77         457         384						

Announcement Resources Release Update dated 14 March 2017, page 3.
 Announcement Reserves Release Update dated 27 November 2017, page 1.

Note: Rounding-off of numbers may result in minor computational errors, which are not deemed to be significant.

# Miraflores Positioned Favourably on the Global Gold Cost Curve





## **Miraflores: First Cost Quartile Gold Operation**



Low Capital and Operating Costs*; Attractive IRR					
Item	Units	Oct 2017			
Mineral Material Processed	Kt	4,326			
LoM	Years	9.33			
Gold Recovered	Koz	421			
Silver Recovered	Koz	210			
Gold Price	US\$/oz	1,300			
Silver Price	US\$/oz	18			
Operating Costs	US\$000's	231,282			
Indirect Costs	US\$000's	1,885			
Royalties	US\$000's	21,892			
Operating Margin (EBITDA)	US\$000's	294,100			
Capital (LoM)	US\$000's	90,308			
Income Tax	US\$m	54.8			
After Tax Free Cash Flow	US\$000's	150,000			
After Tax NPV @ 8%	US\$000's	72,300			
After Tax NPV @ 5%	US\$000's	96,100			
After Tax IRR	%	25			

#### 1300 1200 1100 Margin, 1000 \$655.80 900 800 US\$ per payable Au-oz 700 Offsite Costs, Sustaining Capital, \$44.10 \$4.50 600 Government Royalties, \$52.20 Tailings, \$6.40 G&A, \$44.90 500 All in cash cost Processing, 400 \$643.00/payable \$213.00 Au-oz 300 200 Underground Mining, \$288.10 100 Silver Credit, \$(9.00) 0

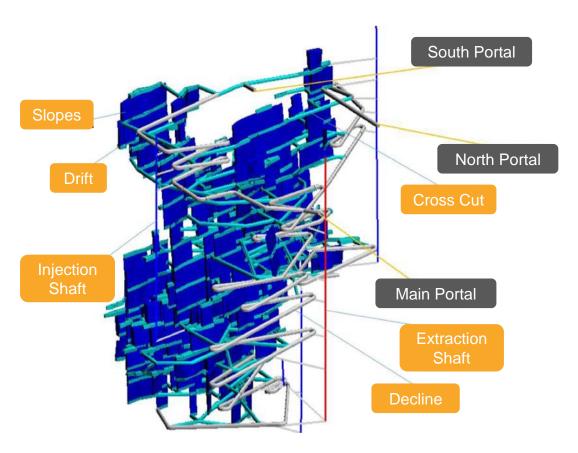
#### All-in Sustaining Costs\* US\$643.00 per payable Au-oz

## **Miraflores: Underground Mine Development**



Underground Development Design

- Underground mining operation with low impact on surrounds.
- Ore processing via gravity and float concentration followed by cyanide leaching.
- 62% of gold is recovered from gravity separation.
- Nine month pre-production development period (Year 1) generates 126kt stockpile.



## **Miraflores - CAPEX Breakdown and Optimisation**



Pre-production Capital Expenditure					
Item US\$m* Optimisat		Optimisation by Metminco			
Underground Mining	14.0	Significant reduction in underground development due to increase in distance between levels and reduction in main ramp access meters. Lease mining fleet (rather than purchase fleet).			
Processing & Infrastructure	46.3	Capital estimate based on 1,750tpd throughput which has now been reduced by 26% to 1,300tpd, Process plant capex adjusted for size.			
Tailings	2.3	Small dry stacked tailings facility (rather than a larger wet tailings facility).			
Owners Costs	8.4	Includes purchase of surface titles (i.e. land).			
Power Line	0.8				
Total Pre-Production Capital	71.8				

- A variance of +15 to -10% could be applied i.e. within the contingency.
- Contingency of 7.67%.
- Use of local building contractors for administration offices.
- No permanent camp facilities allowed for due to local labour preference.



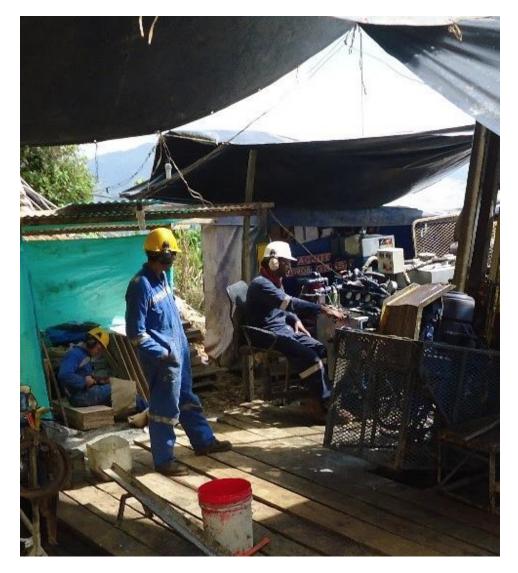
Sensitivity to Gold Price						
Key Financial Indicators*	US\$1,300 Au/oz	US\$1,400 Au/oz				
C1 Cash Cost**	US\$ per Au/oz	595	599	603		
AISC-cost	US\$ per Au/oz	639	643	647		
EBITDA (LoM average)	US\$m/annum	27.3	29.4	35.8		
NPV @ 5%	US\$m	75	96.1	117		
NPV @ 8%	US\$m	55	72.3	89.8		
IRR	\$%	21	25	28		
Payback	Years	4.1	3.6	3.3		

• Excellent leverage to gold price; every \$100 increase adds ~US\$20 million to NPV.

\* A variance of +15 to -10% can be applied i.e. within the contingency. Contingency of 7.67%. \*\* C1 Cash Costs includes Government Royalty.

#### **Miraflores: Formalisation Process**





- Two characterisations of the informal miners present in Miraflores (2013 and 2016/2017).
- Nearly 200 informal miners identified.
- Formalisation plan:
  - Priority in the recruiting of the workforce;
  - Productive plan;
  - Training, formal education and development of capabilities;
  - Voluntary economic contribution:
    - 18 to 25 years: \$1.000.000 COP<sup>(1)</sup>
    - 26 to 40 years: \$1.500.000 COP
    - 41 years and over: \$1.800.000 COP
  - Pension alternative.

# **Social Projects**



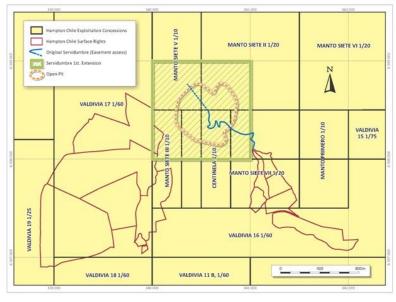
in the second se	Õ	R	e.	
RELATIONSHIP WITH INDIGENOUS	INFRASTRUCTURE	EDUCATIONAL	CULTURAL	
<b>COMMUNITIES</b> Consultation process with the indigenous communities present	Aid on the construction and adaptation of the Miraflores rural aquaduct	450 education kits donated to the community of Miraflores.	Donation of uniforms for the Youth Symphonic Band of Quinchía	
in the project influence area Embera Chamí Agreements reached with the community	In the project influence area         Embera Chamí         greements reached with the		Support to the local festivities.	
Technical support on the elaboration of their life plan.	Support on the signage of the roads of Quinchia	30 people trained in systems in an agreement with SENA (Colombian Public Educational	<b>\$</b>	
Process closed without agreement Validation of the impacts and their management measures by a third party	Support on the arrangement of the route Aguas Claras – Miraflores	Institution)	ECONOMIC Hiring of local labor, products and services.	

## Key "Non-Core" Asset Overview & Locations



#### **Mollacas Project (Chile)**

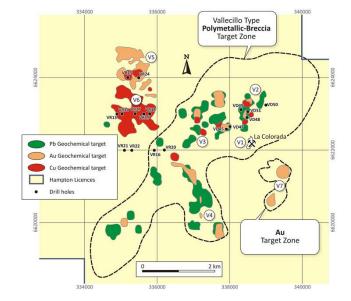
- Copper leach project discovery;
- Located in Region IV, Chile, approx. 65km east of Ovalle near the small settlements of Valdivia and Las Mollacas, and 160km by road from the port of La Serena;
- Mineral Resource and Contained Metal Content: 15.5Mt M&I @ 0.51% CuT and 0.40% CuSol; 79.1kt CuT and 61.6kt CuSol <sup>(1)</sup>;
- Metminco holds title to 21 Exploitation Licenses covering 179 hectares of surface rights and water rights to approximately 175 litres/sec from two canals;
- Land owned offered for sale.



#### Mineral & Surface Rights Held by Metminco

#### Vallecillo Project (Chile)

- Gold-zinc project discovery porphyry related base and precious metal mineralisation containing gold, silver, zinc, lead and copper;
- Covers an area of 179km<sup>2</sup>, and is located approximately 50km northeast of Ovalle;
- 9,155m diamond drilling and 3,768m reverse circulation drilling program completed in 2012;
- JORC 2004 Mineral Resource and Contained Metal Content: 8.1Mt M,I & I Resource @ 0.82g/t Au, 10.06g/t Ag, 1.06% Zn, 0.06% Cu and 0.33% Pb <sup>(2)</sup>.

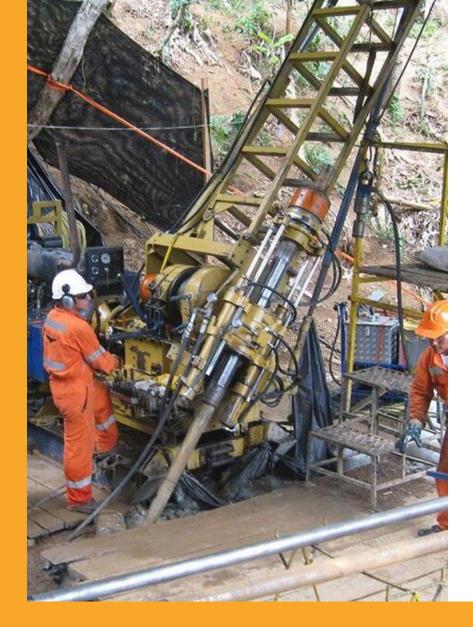


#### Polymetallic Belt Defined by Soil Geochemical Sampling

1. SRK Consulting (Chile) S.A. mineral resource July 6, 2012. CuT = total copper; CuSol = soluble copper.

2. SRK Consulting (Chile) S.A. mineral resource July 2009.

3. No further work has been undertaken on these mineral resources since these reporting dates.



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