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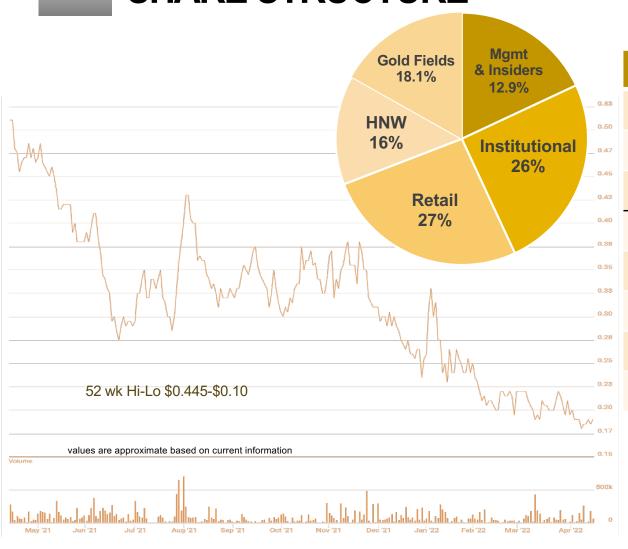
expressed or implied by the forward-looking statements. These risks, uncertainties and other factors include, but are not limited to risks associated with general economic conditions; adverse industry events; marketing costs; loss of markets; future legislative and regulatory developments; inability to access sufficient capital from internal and external sources, and/or inability to access sufficient capital on favourable terms; the mining industry generally, income tax and regulatory matters; the ability of Chakana to implement its business strategies including expansion plans; competition; currency and interest rate fluctuations, and fluctuations in the price of copper. The foregoing factors are not intended to be exhaustive. These risks, uncertainties and assumptions could adversely affect the outcome and financial effects of the plans and events described herein. Forward-looking statements contained in this Presentation regarding past trends or activities should not be taken as a representation that such trends or activities will continue in the future. The Company does not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. No person should place undue reliance on forward-looking statements, which speak only as of the date of this Presentation. Examples of forward-looking information in this Presentation include metal price assumptions, cash flow forecasts, projected capital and operating costs, metal or mineral recoveries, mine life and production rates, none of which are based on any preliminary economic assessment, pre-feasibility study, or feasibility study.

Historical exploration information contained in this Presentation has been obtained from publicly available third-party sources and Chakana has not verified any such information. Technical information in this Presentation has been approved by David Kelley, a director of Chakana, and a Qualified Person as defined by NI 43-101 – Standards of Disclosure for Mineral Projects.

Disclosure in this presentation relating to the definition of an initial inferred resource is qualified by the fact that the potential quantity and grade of any such inferred resource is conceptual in nature and that at this time there is insufficient exploration to define a mineral resource and it is uncertain if further exploration will result in the exploration target being delineated.

# INVESTOR SNAPSHOT SHARE STRUCTURE





	July 28, 2022
Shares Outstanding	168,149,948
Warrants	28,369,792
Options	10,010,000
Fully Diluted	206,529,740
Market Cap (June 8, '22)	CDN~\$18.5M
Share Price (June 8, '22)	CDN \$0.11
Cash on Hand	CDN \$4.8M
Daily Vol.	~75,000

# 4 MANAGEMENT & BOARD



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<b>David Kelley</b> CEO, President & Director	Economic geologist & exploration geochemist, 30+ years international exploration experience; previously responsible for developing the exploration program at Las Bambas for MMG as the General Manager Exploration – Americas.
Xavier Wenzel, CPA, Chief Financial Officer	CPA with 20+ years experience in accounting, auditing and executive roles in public and private companies; bilingual in Spanish and English. Has held senior and consultant positions with both public and private international natural resource companies.
Mario Chirinos, General Manager, Peru	Lawyer with 15 years experience advising national and international mining companies operating in Peru. Senior Associate with Dentons Gallo, Barrios, Pickmann in Lima, specializing in mining law, mergers, acquisitions, and mining related permitting.

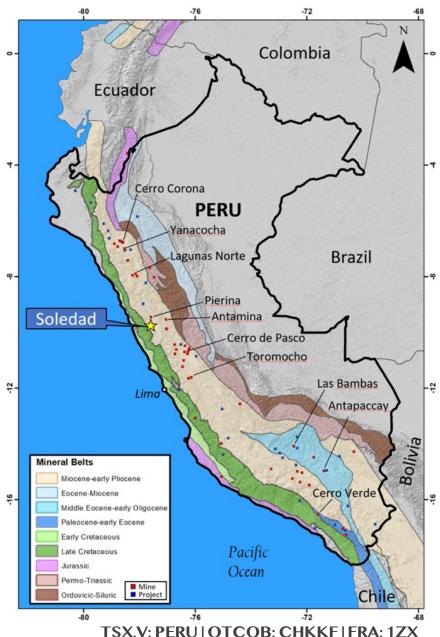
#### **Independent Directors**

Douglas Silver Chairman & Director	M.Sc Economic Geology, 40+ years in the industry. Key and senior roles with Anaconda, Bond International Gold, Balfour Holdings, co-founded International Royalty Corporation. Portfolio manager for Red Kite Management and for Orion Resources Partners. Elected to the US National Mining Hall of Fame and founded the Denver Gold Group.
John Black Director	P.Geo, 30+ years international exploration experience with Kennecott, Rio Tinto, WMC, founding president/CEO of Antares Minerals. Currently CEO of Regulus Resources and Aldebaran Resources.
Tom Wharton Director	30+ years of business experience in start-up, development, operation and financing of early-stage companies.
Darren Divine  Director	Provides corporate finance advisory services to private & public companies, active member of the TSX Venture Exchange's Local Advisory Committee.

# MINING IN PERU **LOCATION**

#### Ancash - Premiere Mining Province

- 30 km S of Barrick's Pierina Gold mine; 60 km WSW Teck's Antamina mine
- Cordillera Negra within Peru's highly mineralized Miocene copper-gold belt
- Aija-Ticapampa mining district: 4 active mines, 2 processing plants
- Excellent infrastructure
  - Reasonable elevation: 3800-4600m
  - Grid power (35% renewable) and plentiful water
- Engaged communities with long-term involvement in mining





#### **PERU**



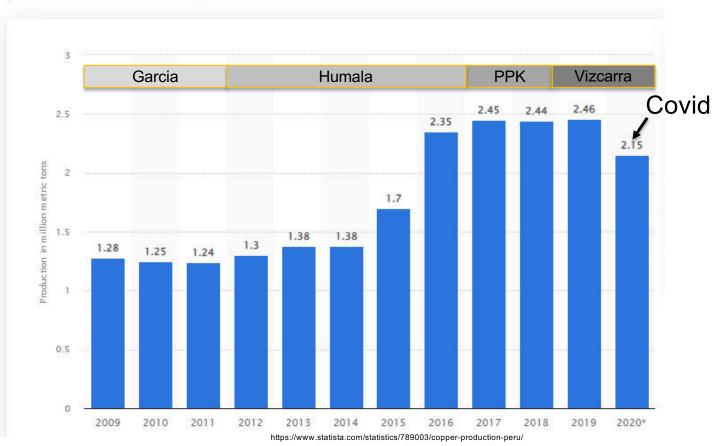
## **COPPER PRODUCTION 2009-2020**

#### Copper mine production in Peru from 2009 to 2020

#### 7 Presidents in 13 Years

	Alan García	28 July 2006	28 July 2011	
	Ollanta Humala	28 July 2011	28 July 2016	
	Pedro Pablo Kuczynski	28 July 2016	23 March 2018	
The state of the s	Martín Vizcarra	23 March 2018	9 November 2020	
E N	Manuel Merino	10 November 2020	15 November 2020	
3	Francisco Sagasti	17 November 2020	28 July 2021	
	Pedro Castillo	28 July 2021	Incumbent	

#### (in million metric tons)



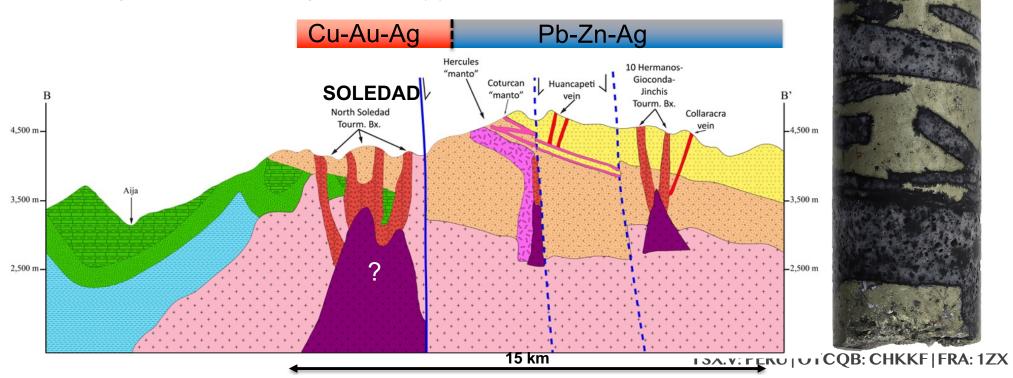


#### SOLEDAD DISCOVERY

## TIP OF THE ICEBERG

CHAKANA
COPPER

- Aija-Ticapampa District: 150 km<sup>2</sup> zoned district
- Soledad:12 km² tourmaline breccia mineral system
- Only 18/122 targets tested (15%)
- Initial resource on shallower extent of 7 breccia pipes
- Potentially 50 to 100 breccia pipes
- Megabreccia, disseminated gold, and porphyry potential

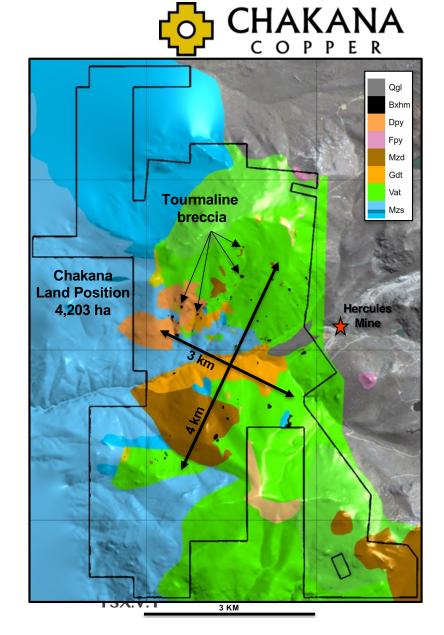


#### SOLEDAD PROJECT

### **TOURMALINE BRECCIAS**

- 103 tourmaline breccia outcrops mapped at surface
- 12 km² footprint of breccia mineral system
- Blind (hidden) breccia pipes found in drilling and inferred from geophysics
- Breccias coalescing to form larger breccia bodies confirmed in drilling
- Breccias vertically extensive; ~800m below surface at Bx 6 and still open



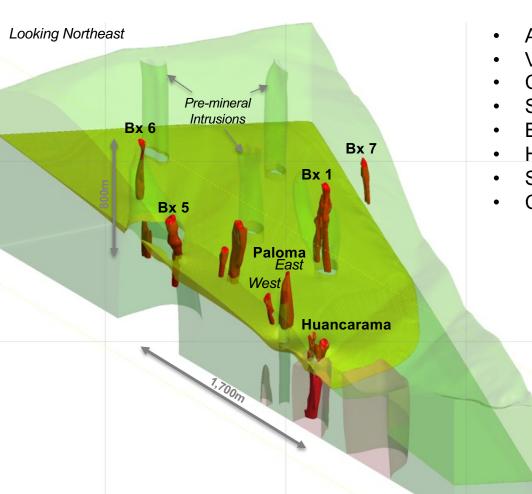




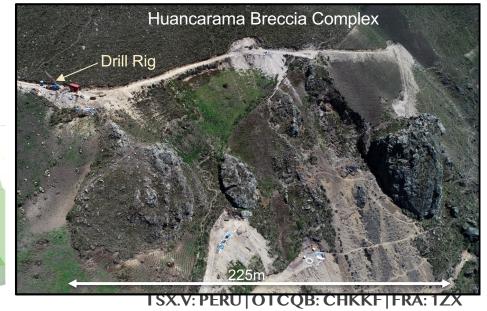
#### SOLEDAD PROJECT

# **BRECCIAS IN INITIAL RESOURCE**





- All breccias are open at depth
- Vertically extensive
- Circular to oval shape (~60 to100m diameter)
- Several pipes increasing diameter with depth
- Bx 1 has adjacent blind pipe
- Huancarama breccias coalesce into larger breccia
- Spatial relation with pre-mineral intrusions
- · Causative intrusion yet to be discovered



#### SOI FDAD PROJECT

### INITIAL RESOURCE ESTIMATE



\*Published January 11, 2022

191,000 oz Au, 11.7 moz Ag, 130 mlbs Cu

#### Inferred Resource Estimate for Seven Breccia Pipes\*

Cut -Off								
(US\$)	Туре	Breccia	Tonnes	Au (g/t)	Ag (g/t)	Cu (%)	Cu_eq*	Au_eq*
\$25.00	Open Pit	Breccia 1	486,000	2.46	58.7	1.08		
\$25.00	Open Pit	Breccia 5	612,000	1.34	22.7	0.44		
\$25.00	Open Pit	Breccia 6	19,000	0.59	60.7	0.03		
\$25.00	Open Pit	Breccia 7	76,000	0.65	13.1	0.32		
\$25.00	Open Pit	Huancarama	386,000	0.32	40.1	0.42		
\$25.00	Open Pit	Paloma E	141,000	0.61	18.2	0.35		
\$25.00	Open Pit	Paloma W	169,000	0.85	44.0	1.12		
\$25.00	Open Pit Total	All Pipes	1,889,000	1.29	37.1	0.65	1.72	2.73
\$60.00	Underground	Breccia 1	2,170,000	0.65	85.7	1.24		
\$60.00	Underground	Breccia 5	1,045,000	1.08	13.6	0.86		
\$60.00	Underground	Breccia 6	114,000	1.28	88.5	0.29		
\$60.00	Underground	Breccia 7	177,000	0.78	103.7	0.11		
\$60.00	Underground	Huancarama	1,185,000	0.52	53.5	0.79		
\$60.00	Underground	Paloma E	82,000	0.22	23.3	0.68		
\$60.00	Underground	Paloma W	67,000	0.59	17.0	0.78		
\$60.00	Underground Total	All Pipes	4,842,000	0.72	61.0	0.97	1.85	2.93
	Open Pit + UG	All Pipes	6,731,000	0.88	54.2	0.88	1.81	2.87

**Grade!** 

#### 50% of known inferred tonnage (3.3 Mt) is at 2.75% Cu-eq\* (4.15 g/t Au-eq)

<sup>\*</sup> Cu\_eq and Au\_eq values were calculated using copper, gold, and silver. Metal prices utilized for the calculations are Cu – US\$3.50/lb, Au – US\$1,600/oz, and Ag – US\$20/oz. Metal recoveries are assumed to be 90% for Cu, 85% for Au, and 75% for Ag. The formulas utilized to calculate equivalent values are Cu-eq (%) = Cu% + (Au g/t \* 0.629639) + (Ag g/t \* 0.006945) and Au-eq (g/t) = Au g/t + (Cu% \* 1.58821) + (Ag g/t \* 0.011029).

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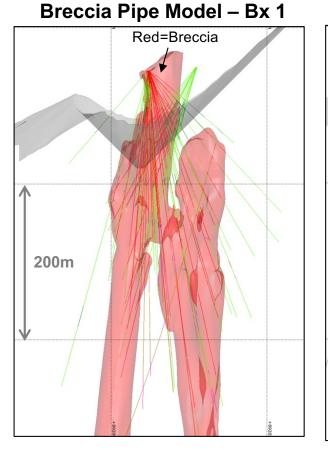
#### SOLEDAD PROJECT

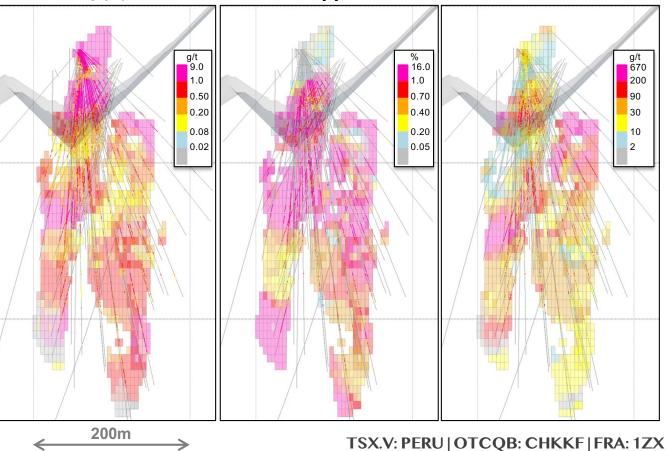
## **BLOCK MODEL GRADES - Bx 1**



Sectional View Looking West – Metal Distribution in Block Model Above US\$60 Cut-Off

Copper **Silver** Gold





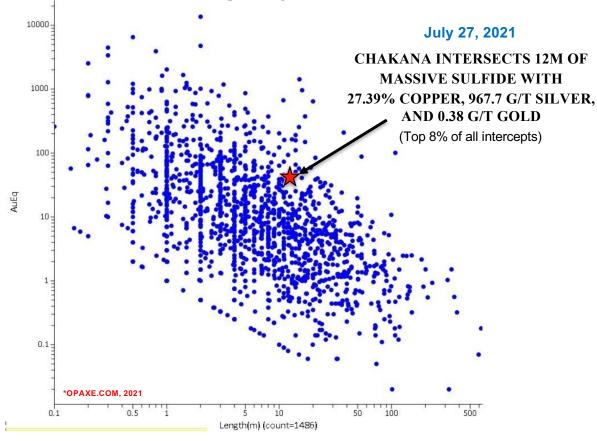
#### SOLEDAD PROJECT

## **WORLD CLASS INTERCEPT**



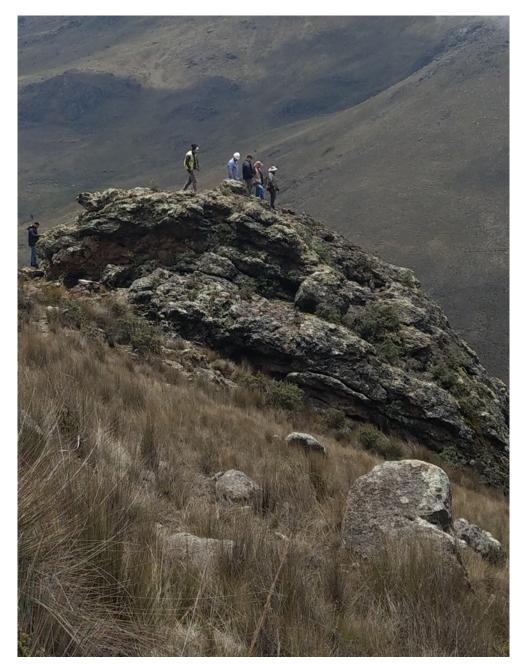


#### Best Intercepts Globally out of 1,486 Cu-Au-Ag Projects Since 2015\*



# 13 LEARNINGS

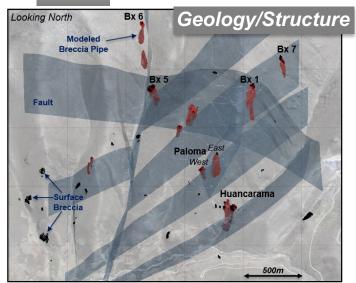
- Pipes can be outcropping, covered, or blind
- Mineralization has good continuity and vertically extensive with strong grades and smaller zones of very high grades (example from Bx 1):
  - 439m of 0.69% Cu, 1.45 g/t Au, 50.4 g/t Ag from surface (SDH21-071)
  - 12m of 27.4% Cu, 0.38 g/t Au, 968 g/t Ag from 140m (massive sulfide in SDH21-208)
- Mineralization zoned vertically: Au-Ag to Au-Ag-Cu to Cu-Ag with depth
- Mineralogy: Cu-chalcopyrite; Au free and electrum;
   Ag tetrahedrite & sulfosalts
- Larger breccia pipes have larger geophysical signatures
- Drilling efficiency: ~500m for target testing; ~2000 5000m for initial inferred resource on new discoveries
- Possible mining methods:
  - Open pit: small starter pits on the top of pipes
  - Underground: sublevel mining with long-hole stoping

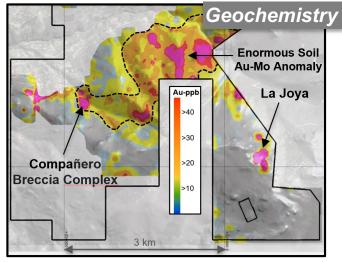


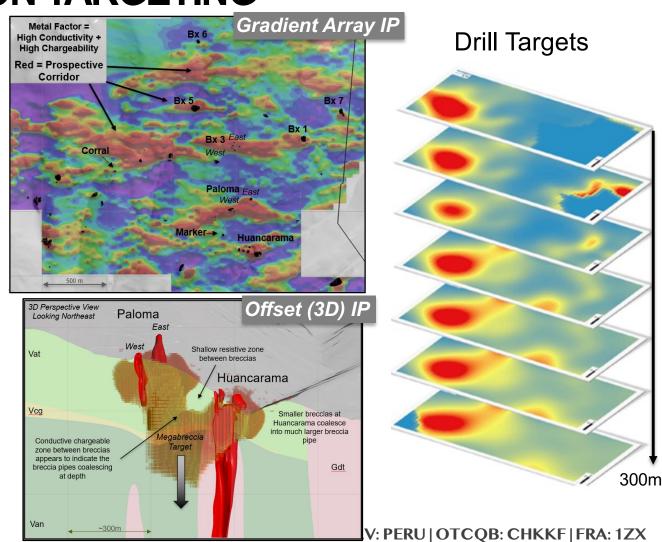
#### SOLEDAD PROJECT

## **EXPLORATION TARGETING**



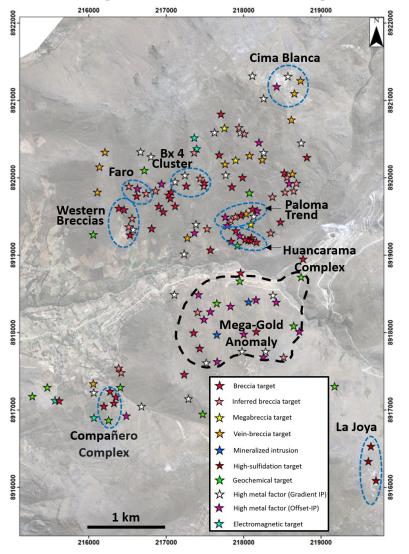






#### SOLEDAD PROJECT

### TARGET INVENTORY





#### 154 Total Targets/18 Drill Tested (12%)

#### 80 Breccia targets that includes:

- 41 Outcropping breccias
- 23 Inferred breccia
- 03 Megabreccias
- 13 Vein-breccia targets

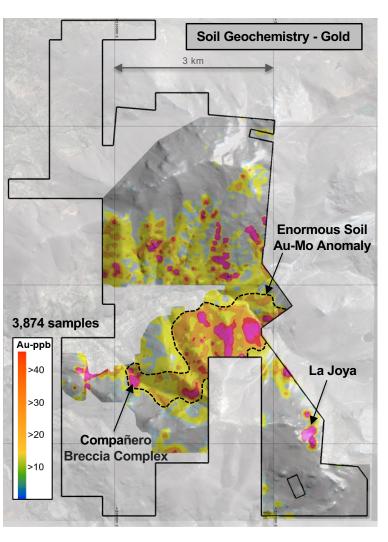
#### 74 Non-breccia targets: (Possibly related to blind breccias) –

- 20 Stand alone geochemical targets
- 24 Stand alone High metal factor GA
- 21 Stand alone High metal factor OFFSET
- 04 Stand alone Electromagnetic targets
- 02 Mineralized intrusion
- 03 High sulfidation alteration

#### SOLEDAD PROJECT

### **SOUTH SIDE POTENTIAL**

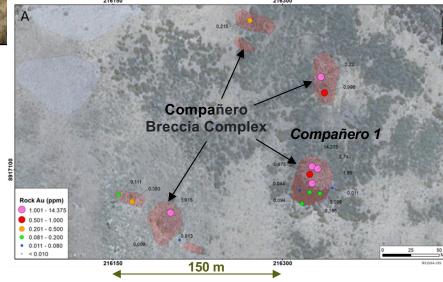






#### South Side

- Additional breccia pipes and <u>huge</u> disseminated gold target
- No Chakana drilling on south side
- Surface exploration nearly complete
- Targets defined
- Permitting well advanced (2023)



Copper oxides exposed in Compañero breccia pipe

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#### SOLEDAD PROJECT

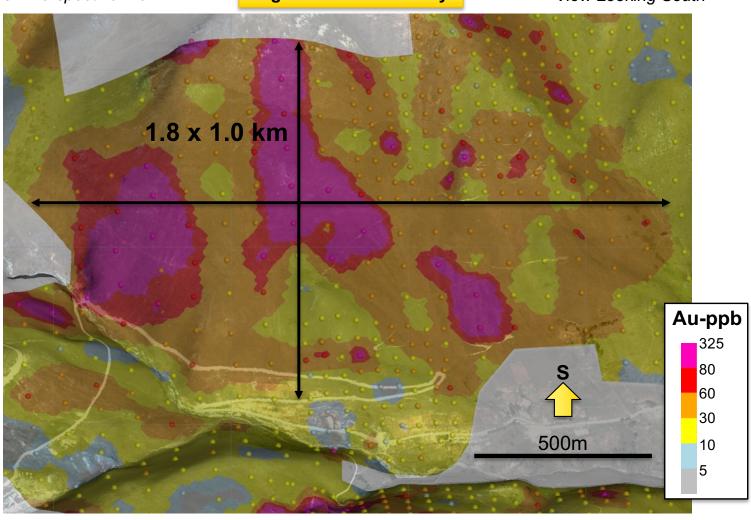
# **SOUTH SIDE POTENTIAL**



3D Perspective View

**Mega-Gold Soil Anomaly** 

View Looking South



#### SOLEDAD PROJECT

### **ESG PROGRAMS**







Chakana's ESG Policy Debuted on the Website in January '22

#### **Environmetal Programs**

- Baseline studies
- Air, water, soil Monitoring
- Community participation
- Dust control
- Tree planting
- Waste/residual disposal
- Recycling
- Slope stabilization
- Access improvements
- Reclamation

# E

# S

G

#### **Social Programs**

- Employment
- Covid relief
- Community gardens
- Textile program
- Tree planting
- Infrastructure improvements
- Medical/Dental assistance
- Local sourcing
- Agriculture education
- Holiday campaigns











TSX.V: PERUTUTE QB: CHKKFTFKA: TZX

# SOLEDAD PROJECT TIMELINE



#### 191,000 oz Au, 11.7 moz Ag, 130 mlbs Cu

	2022			2023				
Activity	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Initial resource estimate								
Complete geophysics								
Target ranking workshop		$\Rightarrow$						
Drill testing 12 targets (north side; ~25,000m)		~6 New Discoveries						
Compañero permitting								
Drill testing 10 targets (south side; 3,000m)						~5 New	Discoveries	
Resource drilling on new discoveries (15,000m)								<b>*</b>
Mineralogy/metallurgical, engineering studies								
Underground exploration permit (north side)								
ESG programs								

### Soledad Initial Mineral Resource - Tip of the Iceberg

- Bx1, Bx 5, Bx 6, Bx 7, Paloma East, Paloma West, Huancarama open at depth
- 191,000 oz Au, 11.7 moz Ag, 130 million lbs of Cu (1.81% Cu-eg; 2.87 gpt Au-eg)
- Multiple and extensive high-grade Cu-Au-Ag deposits starting at surface

#### **Tier 1 Discovery Potential**

- 12 km² tourmaline breccia mineral system: potentially 50-100 breccia pipes
- 154 targets defined through multidisciplinary exploration, only 12% tested
- Targets: breccia pipes, megabreccias, veins/mantos, mineralized intrusions

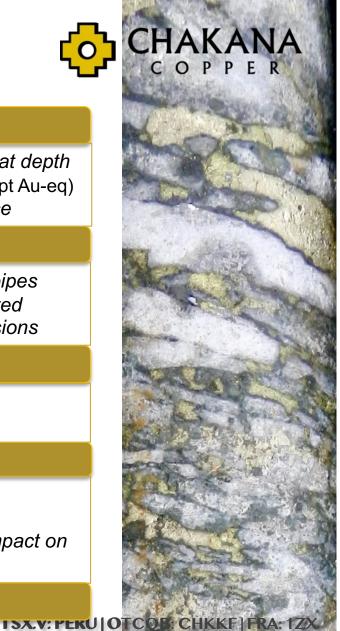
#### **Favourable Jurisdiction – Ancash Province**

- Peru is a mining country, and always will be
- Exceptional location with history of mining, infrastructure, skilled labor

#### **Exposure to High-Grade Precious & Critical Metals Discovery**

- Looming copper supply deficit due to global clean energy initiatives
- Current valuation provides exceptional upside potential
- High-grade deposits have lower developments costs and much less impact on the environment

Strong Management Team – Track record in raising capital







## **APPENDIX**



 $TSX.V: PERU \mid OTCQB: CHKKF \mid FRA: 1ZX$ 



- Mineral resources were estimated by Bill Tanaka and audited and accepted by Dr. Gilles Arseneau of ARSENEAU Consulting Services Inc. of Vancouver.
- Resources were estimated for seven tourmaline breccias by ordinary kriging into 5 by 5 by 10 m blocks.
- ◆ The mineral resources were estimated in accordance with the CIM Best practices guidelines of 2019 and in accordance with National Instrument 43-101.
- Near surface mineral resources were reported inside an optimized pit shell and at a dollar equivalent cut-off of US\$25.00.
- ◆ The dollar equivalent is calculated using a \$US\$1,600 per ounce for gold, US\$20 per ounce for silver, and US\$3.50 per pound for copper.
- Metallurgical recoveries were assumed to be 85% for gold, 75% for silver and 90% for copper.
- ◆ Material not captured by the optimized pit shell was assumed to be extractable by underground mining methods if the blocks were above a US\$60 cut-off and represented a shape amenable to underground mining below the pit shell.
- ◆ Lead and zinc values also present at Soledad were not considered in the equivalent calculation

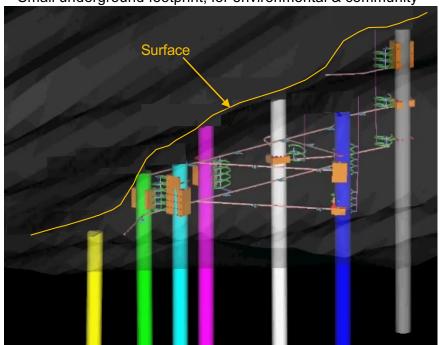
#### SOLEDAD PROJECT

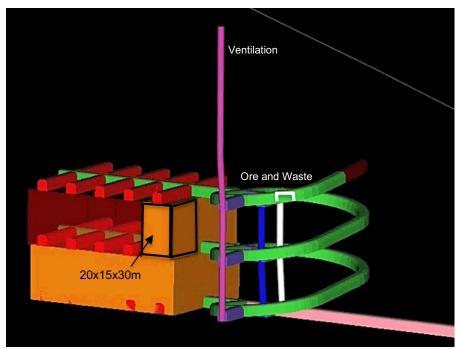
### **CONVENTIONAL MINING METHODS**



#### Possible Mining Scenarios when Mineral Reserves are Defined

- Small open cuts to take out top of breccia pipes
- Underground, mechanized mine using local miners
- Sublevel mining a conventional mining approach
- Topography allows several access tunnels at optimal elevations to initiate mining, while integrated underground mine infrastructure is developed
- Multiple working faces will allow production to balance head grades with tonnage delivered to surface
- Some pipes may be amendable to open pits
- Small underground footprint, for environmental & community



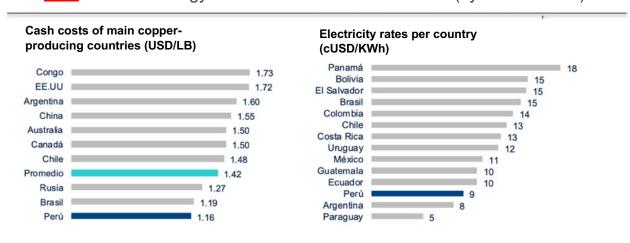


Close spacing of pipes would allow integrated underground infrastructure

#### MINING IN PERU

### **LEADING MINING JURISDICTION**

- 2<sup>nd</sup> largest global Cu & Ag producer, largest Au producer in Latam
- 5<sup>th</sup> largest global exploration investment country after Canada, Australia,
   Chile and US
- Mining = 13% of GDP, 60% of export revenue
  - copper = 31%, gold = 18%, zinc = 5%, lead = 4%
- 2021-2025: \$11.7 billion of pipeline projects to start construction
- Corporate tax rate 29.5%
- Gov't. royalty based on operating revenue
  - 1% Gross value <US\$60M or, 3% Gross value >US\$120M
- 35% of Peru's energy comes from renewable sources (hydro and other)





# 26 CRITICAL COPPER



#### Mining Operations & Developments

- Supply disruptions
- Grades declining, mines closing
- Capital costs escalating
- Development timelines increasing
- Under-investment in exploration
- Fewer discoveries/quality projects

### without clean energy transition

Supply gap

#### Green Energy Systems

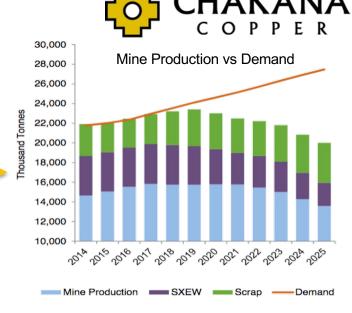
- Est. 1.9Bln lbs of Cu will be needed over next 8-9 yrs
- All use Cu as part of their energy delivery systems
- Energy storage systems, batteries use 25 x more Cu than standard batteries
- Renewable energy = 5 metric tonnes of Cu for every megawatt-hr of electric generation
- Other critical metals do not work without Cu

#### Global Urbanization = Grid Expansion, EV's

- China largest Cu consumer
- India growing by 9%/year

#### EV's use est.180lbs Cu/vehicle

"...to meet climate goals,...the number of EV's on the road could be as high as 220 million in 2030." International Policy Organization.



Source: Wood Mackenzie, CRU, ICSG, Teck

Submarine Cable for Offshore Wind Grid 50 kg (110 lbs) Copper/metre

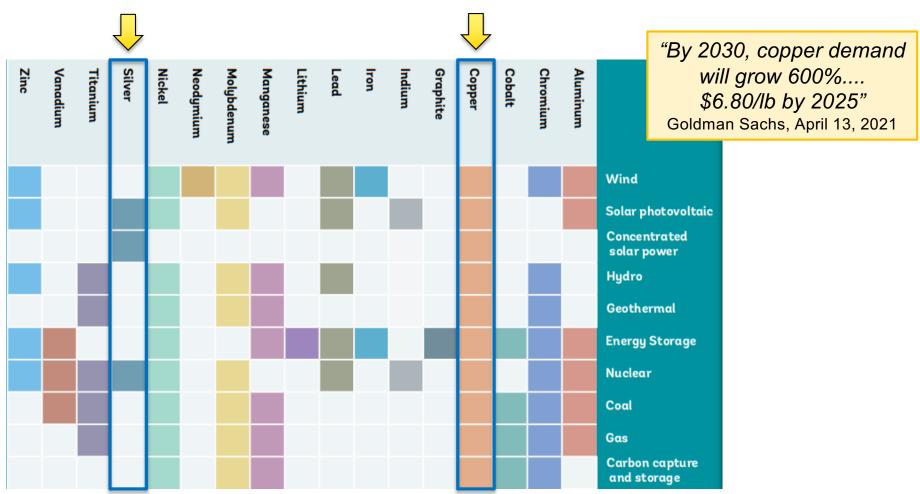




#### **CLEAN ENERGY TRANSITION**

# **MINERALS FOR CLIMATE ACTION**





https://pubdocs.worldbank.org/en/961711588875536384/Minerals-for-Climate-Action-The-Mineral-Intensity-of-the-Clean-Energy-Transition.pdf