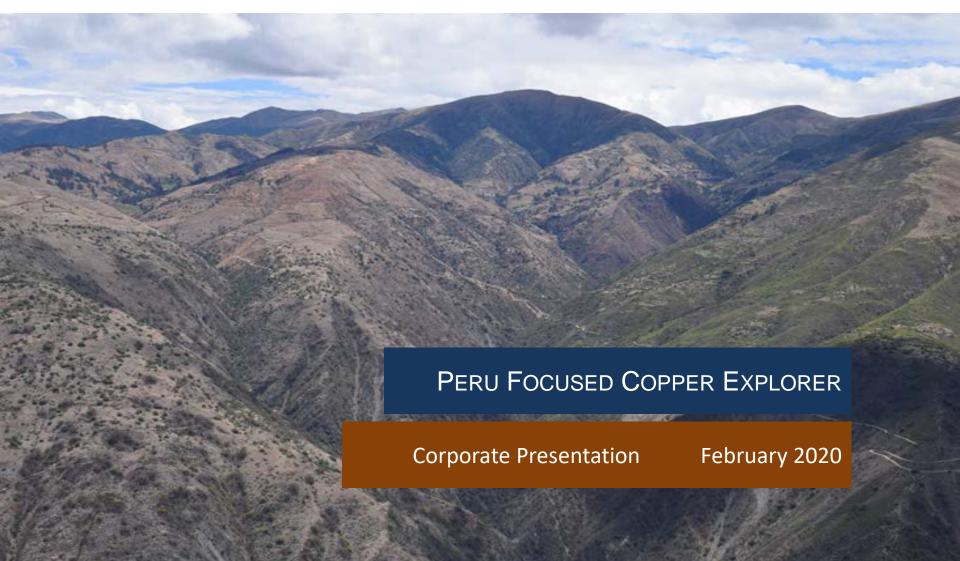


TSX-V: PML

BVL: PML I BORSE: PZM

OTC: POROF



Forward Looking Statements

Information and statements contained herein that are not historical facts are "forward-looking information" within the meaning of applicable Canadian securities legislation and involve risks and uncertainties. Examples of forward-looking information and statements contained in this news release include information and statements with respect to:

- acceleration of payments by Wheaton Precious Metals to match third party financing by Panoro targeted for exploration at the Cotabambas Project
- payment by Wheaton Precious Metals of US\$140 million in installments
- negotiation of a definitive PMPA
- Panoro weathering the current depressed equity and commodity markets, minimizing dilution to existing shareholders and making targeted investments into exploration at the Cotabambas Project
- mineral resource estimates and assumptions
- the PEA, including, but not limited to, base case parameters and assumptions, forecasts of net present value, internal rate of return and payback;
- copper concentrate grade from the Cotabambas Project;

Various assumptions or factors are typically applied in drawing conclusions or making the forecasts or projections set out in forward-looking information. In some instances, material assumptions and factors are presented or discussed in this news release in connection with the statements or disclosure containing the forward-looking information and statements. You are cautioned that the following list of material factors and assumptions is not exhaustive. The factors and assumptions include, but are not limited to, assumptions concerning: metal prices and by-product credits; cut-off grades; short and long term power prices; processing recovery rates; mine plans and production scheduling; process and infrastructure design and implementation; accuracy of the estimation of operating and capital costs; applicable tax and royalty rates; open-pit design; accuracy of mineral reserve and resource estimates and reserve and resource modeling; reliability of sampling and assay data; representativeness of mineralization; accuracy of metallurgical test work; and amenability of upgrading and blending mineralization.

Forward-looking statements are subject to a variety of known and unknown risks, uncertainties and other factors which could cause actual events or results to differ materially from those expressed or implied by the forward-looking statements, including, without limitation:

risks relating to metal price fluctuations;

risks relating to estimates of mineral resources, production, capital and operating costs, decommissioning or reclamation expenses, proving to be inaccurate;

the inherent operational risks associated with mining and mineral exploration, development, mine construction and operating activities, many of which are beyond Panoro's control;

risks relating to Panoro's ability to enforce Panoro's legal rights under permits or licenses or risk that Panoro's will become subject to litigation or arbitration that has an adverse outcome;

- risks relating to Panoro's projects being in Peru, including political, economic and regulatory instability;
- risks relating to the uncertainty of applications to obtain, extend or renew licenses and permits;
- risks relating to potential challenges to Panoro's right to explore and/or develop its projects;
- risks relating to mineral resource estimates being based on interpretations and assumptions which may result in less mineral production under actual circumstances;
- risks relating to Panoro's operations being subject to environmental and remediation requirements, which may increase the cost of doing business and restrict Panoro's operations:
- risks relating to being adversely affected by environmental, safety and regulatory risks, including increased regulatory burdens or delays and changes of law;
- risks relating to inadequate insurance or inability to obtain insurance;
- risks relating to the fact that Panoro's properties are not yet in commercial production;
- risks relating to fluctuations in foreign currency exchange rates, interest rates and tax rates; and
- risks relating to Panoro's ability to raise funding to continue its exploration, development and mining activities.

This list is not exhaustive of the factors that may affect the forward-looking information and statements contained in this news release. Should one or more of these risks and uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in the forward-looking information. The forward-looking information contained in this news release is based on beliefs, expectations and opinions as of the date of this news release. For the reasons set forth above, readers are cautioned not to place undue reliance on forward-looking information. Panoro does not undertake to update any forward-looking information and statements included herein, except in accordance with applicable securities laws.



Peru Focused Copper Explorer – Multiple Projects & Partners Investment Highlights

Cotabambas Copper Project 722 Mt Resource
PEA Complete
WHEATON Funding

Petra-David Oxide Cu Maria Jose Oxide/Sulphide Cu Chaupec Sulphide Cu/Skarn

Multiple Resource Growth Targets

Antilla Copper Project

382 Mt Resource PEA Complete Increasing Metallurgical Recoveries

Feasibility and Permitting

Kusiorcco Copper Project

Funded by **HIDBAY**

Milestone payments + 2% NSR Royalty

Nearby Constancia Mine

Humamantata Copper Project Funded by Samuel Strands Samuel Strands Samuel Samu

Joint Venture

Nearby Constancia Mine



Capital Structure & Share Performance

Tickers TSX-V:PML

BVL:PML BORSE:PZM OTC:POROF

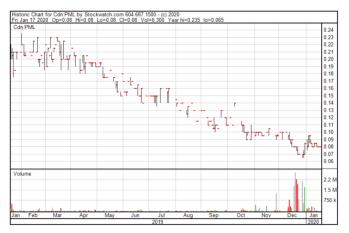
Share Price \$0.08 **52 Week Low-High** \$0.08 - \$0.22

Shares Issued 263.8M Options 16.2M Fully Diluted 280.0M

Market Capitalization

Undiluted \$21.0M Fully diluted \$22.0M

12 MONTH CHART



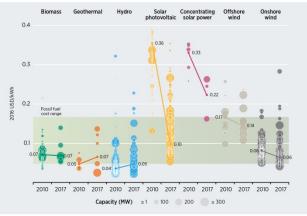
FUNDING

Company	Total	2020-2021
Wheaton Precious Metals	\$7.3	\$3.9
Hudbay Minerals	\$2.0	\$2.0
JOGMEC	\$10.0	\$3.5
Cash	\$0.5	\$0.5
Total	\$19.8	\$10.0



Towards a Renewable Energy Future Emerging Security and Economics plus Environment

Figure ES.1 Global levelised cost of electricity from utility-scale renewable power generation technologies, 2010-2017



Source: IRENA Renewable Cost Database.

Note: The diameter of the circle represents the size of the project, with its centre the value for the cost of each project on the Y axis. The thick likes are the global weighted average LCOE value for plants commissioned in each year. Real weighted average cost of capitals 5.75% for OECD countries and China and 10% for the rest of the world. The band represents the fossil fuel-fired powe generation cost range.



- Rapidly decreasing cost of generating wind and solar power
- Within the range of hydrocarbon based generation

- Rapidly increasing investment and advancements in wind and solar technologies
- Five fold increase in new patents

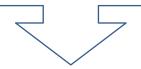
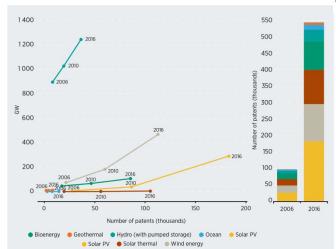
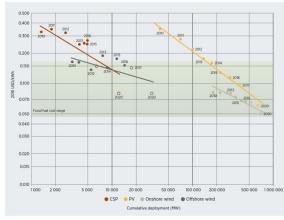


Figure B2.1 Development of patent data for renewable energy technologies, 2010-2016



Based on INSPIRE web platform (www.irena.org) and IRENA (2017a).

Figure 2.14 Global weighted average CSP, solar PV, onshore and offshore wind project LCOE data to 2017 and auction price data to 2020, 2010-2020



Based on IRENA Renewable Cost Database and Auctions Database; GWEC (2017), MAKE Consulting (2017a), SolarPower Europe (2017), and WindEurope (2017).

Global cumulative installed capacity of CSP is projected to be 12 GW by 2020, for offshore wind 31 GW, solar PV 650 GW and onshowind 712 GW. This is based on IRENA (2017a), GWEC (2017), WindEurope (2017), SolarPower Europe (2017) and MAKE Consulting (2017a)

11. Extending the horizon to 2022 to take into account the likely commissioning of the DEWA project increases uncertainty over total deployment values, but would be unlikely to greatly alter the learning rate.

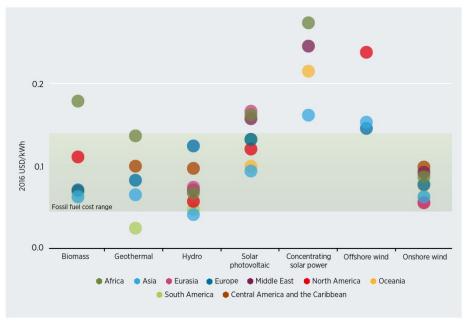


 Wind and solar lead the way in achieving economies of scale



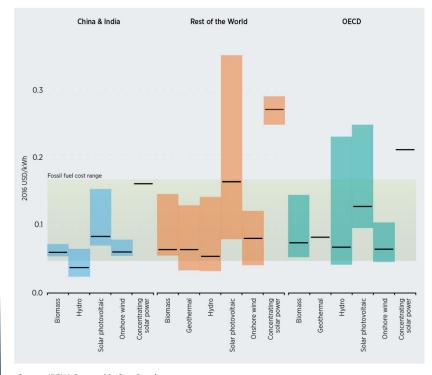
Emerging Security and Economics plus Environment The Age of Electricity

Figure 2.3 Regional weighted average levelised cost of electricity by renewable power generation technology, 2016 and 2017



Source: IRENA Renewable Cost Database

Figure 2.11 Project LCOE ranges and weighted averages for China and India, OECD and rest of the world, 2016 and 2017



Page 6

Source: IRENA Renewable Cost Database

- China, India and developing economies are leading the way
- Wind, solar and hydro generation achieving costs and scale advantages over hydrocarbons



Emerging Security and Economics plus Environment China and Developing World Motivated

Figure 9. Clean energy manufacturing value added (2014, US\$ billion)

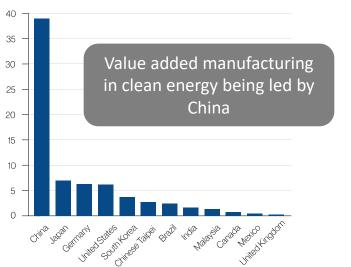
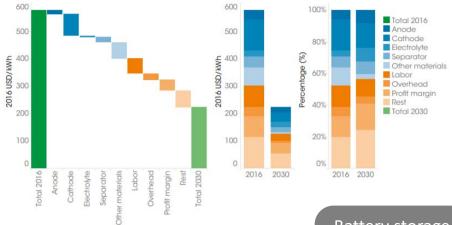
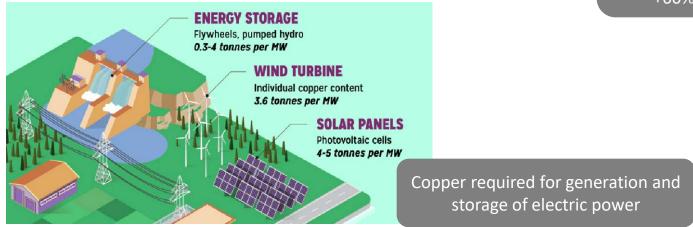


Figure ES7: Cost reduction potential by source of lithium iron phosphate battery energy storage systems, 2016 and 2030



Source: Irena Electricity Storage and Renewables: costs & markets to 2030

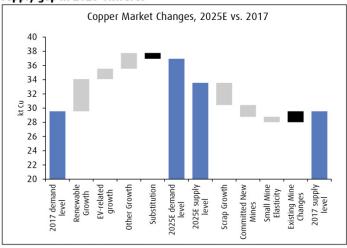
Battery storage costs to be reduced by +60%





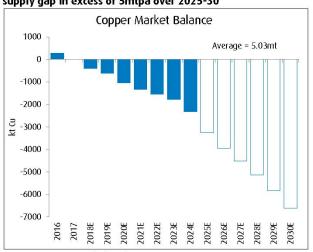
Copper Usage Increasing, Production Decreasing

Figure 2: There are a number of factors in determining the copper supply gap in 2025 onwards



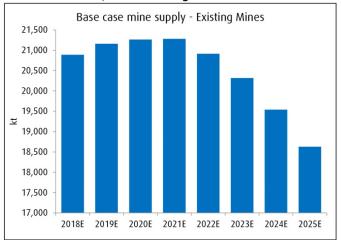
Source: Wood Mackenzie, Copper Alliance, BMO Capital Markets

Figure 14: Everything else being even, we see an average supply gap in excess of 5mtpa over 2025-30



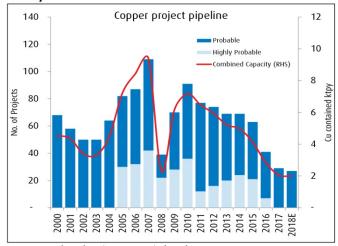
Source: ICSG, BMO Capital Markets

Figure 9: Existing copper mines have been a drag on growth in the last decade, and will be again from 2021 onwards



Source: Wood Mackenzie, Company Data, BMO Capital Markets

Figure 35: The copper project pipeline is now the leanest this century

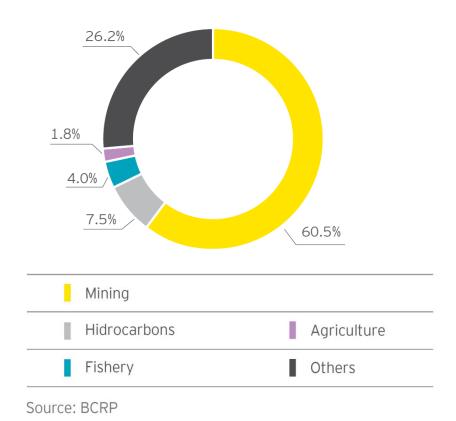


Source: Wood Mackenzie, BMO Capital Markets

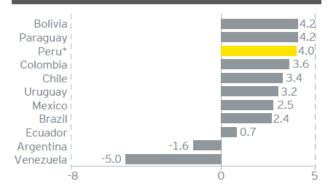


Exports by Economic Sector

Exports by economic sector (2017)



Estimated Latin American GDP growth rates (2019)



*Peru's Central Bank estimates a 4.0% growth in 2019 Source: IMF



Page 9



TSXV-PML

Main Economic Activities by Region

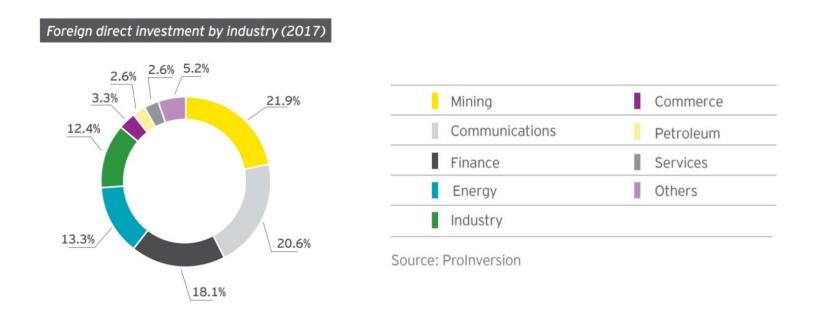


***	Fishing	5	Metal industry
Ä	Petroleum	-	Smeldering
Al	Oil refinery		Metallurgical industry
000	Sugar refinery	Au	Gold
R	Fishmeal plant	Ag	Silver
	Natural gas	Cu	Copper
	Textile industry	Zn	Zinc
C	Cement plant	Pb	Lead
t	Chemical plant	Fe	Iron

Source: University of Texas - Perry Castaneda Library Map Collection



Foreign Direct Investment by Industry

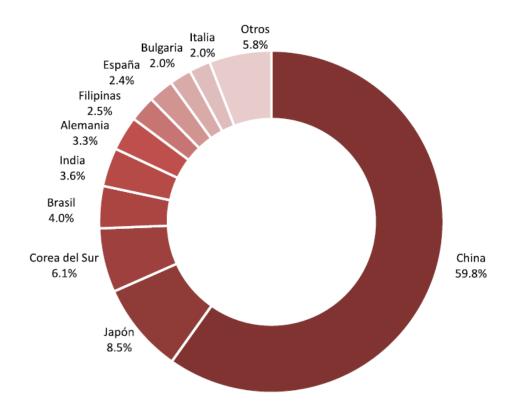


Foreign investment legislation and trends in Peru

- Committed to pursuing an investor-friendly policy climate
- Seeks to attract both foreign and domestic investment in all sectors or the economy
- Taken the steps to establish a consistent investment policy eliminating obstacles for foreign investors
- Peru is considered to have one of the most open investment regimes in the world



Destination of National Copper Exports



PAIS	US\$ MILLONES	%
CHINA	8,237	59.81%
JAPON	1,174	8.52%
COREA DEL SUR	835	6.06%
BRASIL	548	3.98%
INDIA	502	3.64%
ALEMANIA	448	3.25%
FILIPINAS	339	2.46%
ESPANA	328	2.38%
BULGARIA	281	2.04%
ITALIA	277	2.01%
OTROS	804	5.84%
TOTAL	13,773	100%

Source: Anuario Minero 2017 – Ministerio de Energia y Minas Peru



Peru (A Copper Country with Power



Antapacay, Glencore

Teck

Antamina, Teck



Toromocho, Chinalco



Constancia, Hudbay Minerals



Las Bambas, MMG



Cerro Verde, Soc. Minera Cerro Verde



Quellaveco, Anglo American



Mina Justa, Minsur



Toquepala, Grupo Mexico



Tia Maria, Grupo Mexico

PANORO Cotabambas, Panoro Minerals

PANORO Antilla, Panoro Minerals



Corocohuayco, Xstrata



Trapiche, Buenaventura



Haquira, First Quantum



Los Chancas, Grupo Mexico



Quechua, Pan Pacific Copper



Zafranal, Teck / Mitsubishi

Double Cu Production 2011 to 2016

2016 / No. 2 Worldwide

- 421,000 tonnes/year concentrate
- 108,000 tonnes/year refined Cu
- 5.6% of Peru's 2015 **Production**

Towards World's Top Cu Producer

Growing Power Supply

2013 - 2014

9,000 MW power / capacity growth

2018 - 2024

3,000 MW power / supply excess

Power Costs (¢/kWhr)

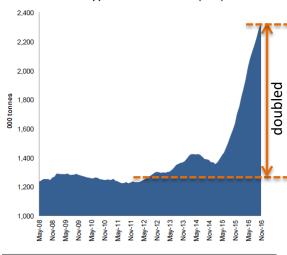
Peru - 6.1

Chile - 12.1

Canada - 5.3

Australia - 8.9

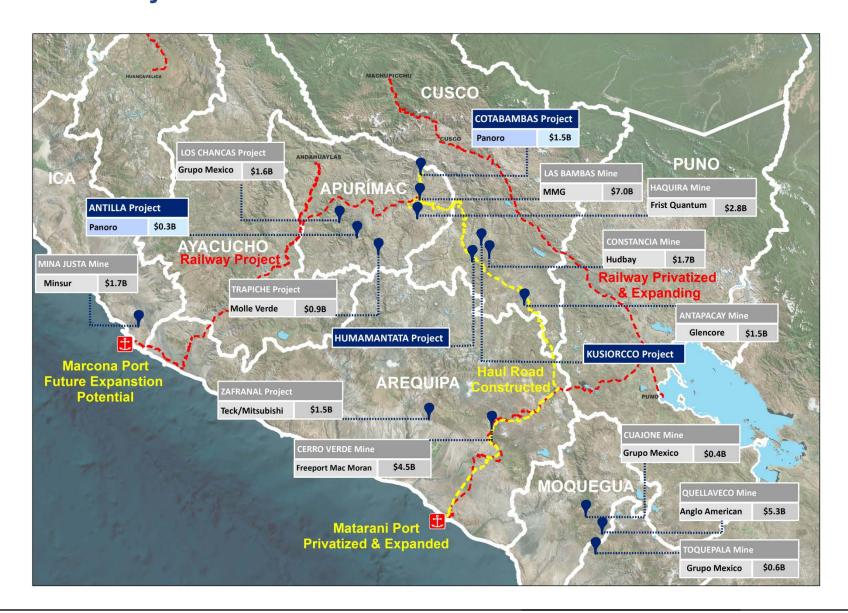
Total Copper Production in Peru (LTM)



Source: Peru's MEM: Scotiabank GBM



Panoro Projects' District Potential & Infrastructure





Cotabambas and Antilla Projects

KEY PROJECT (IN USD CURRE			COTABAMBAS ² Cu/Au/Ag PROJECT (GROWTH TARGETS)	ANTILLA ⁴ Cu PROJECT (HEAP LEACH SX/EW)	
Mill Feed, life of r	nine	million tonnes	483.1	118.7	
Mill Feed, daily		tonnes	80,000	20,000	
Strip Ratio, life of	mine	waste: process feed	1.25 : 1	1.38:1	
	NPV _{7.5%}	million USD	683	305	
After Tax @ PEA Prices ²	IRR	%	16.7	25.9	
e i EATHCC3	Payback	years	3.6	3.0	
After Tax	NPV _{7.5%}	million USD	967 (+42%)	350 (+15%)	
6 months Peak	IRR	%	20.0 (+20%)	27.7 (+15%)	
Prices ³	Payback	years	3.1 (-14%)	2.9 (-3.3%)	
	Cu	thousand tonnes	70.5	21.0	
Annual Average	Au	thousand ounces	95	-	
Payable Metals	Ag	thousand ounces	1,018	-	
	Мо	thousand tonnes	-	<u>-</u>	
Initial Capital Cos	t	million USD	1,533	250	

- 1. Prices in USD
- 2. At PEA commodity prices; Cu = \$3.00/lb, Au = \$1,250/oz, Ag = \$18.50/oz, Mo = \$12.00/lb
- 3. At Spot commodity prices; Cu = \$3.25/lb, Au = \$1,340/oz, Ag = \$17.30/oz, Mo = \$7.26/lb (October 16, 2017)
- 4. At PEA commodity prices; long-term Cu = \$3.05/lb

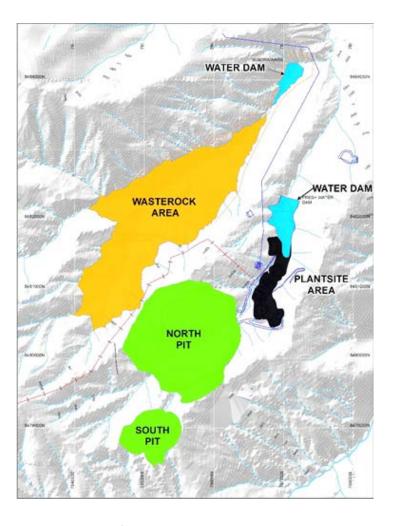
Luguman Shaheen; President & CEO, and Luis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, have reviewed and approved the scientific and technical information



Cotabambas Project Targeting Growth

SEPTEMBER 2015 PEA

CASH COSTS, NETS OF BY **BEFORE TAX PRODUCTS CREDITS** \$1,052M NPV C1 \$1.22/lb Cu 20.4 % IRR C2 \$1.94/lb Cu 3.2 Year Payback **AFTER TAX ANNUAL PAYABLE METALS \$683M NPV** 155 M lbs Cu 16.7 % IRR 95 k oz Au 3.6 Year Payback 1,018 k oz Ag LIFE OF MINE PAYABLE **CLEAN CONCENTRATE METALS** 27% Cu 2.6 B lbs Cu 11 g/t Au 1.6 M oz Au 134 g/t Ag 17 M oz Ag



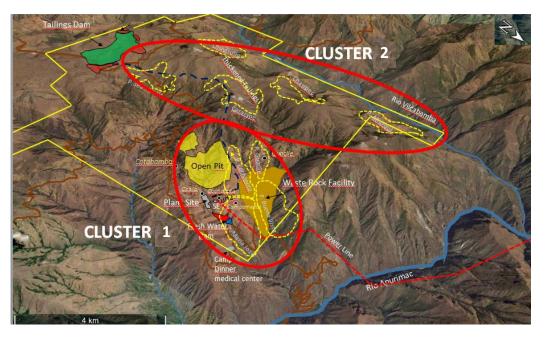
Note: @ Cu = \$US3.00/lb, Au = \$US1,250/oz, Ag = \$US18.50/oz

Luis Vela, Vice President of Exploration for Panoro and "qualified persons" under National Instrument 43-101, have reviewed and approved the scientific and technical information



Cotabambas Project Capital Costs and Enhancements

COTABAMBAS INITIAL CAPEX (US\$ MILLIONS)						
Item	Cost					
Mine Equipment	\$236					
Mine Development	\$127					
Mine Infrastructure	\$17					
Tailings Starter Dams	\$4					
Tailings Disposal System	\$73					
Process Plant	\$505					
Site Infrastructure	\$67					
Off Site Infrastructure	\$27					
Mine Closure	\$50					
Subtotal	\$1,106					
Owners Cost	\$40					
Indirect Costs	\$152					
Subtotal	\$1,298					
Contingencies	\$235					
Initial Capital Cost	\$1,533					



Add
High Grade
Sulphides

Add
Low Cost
Oxides

Increase Margins

Improve
Metallurgical
Recovery



 2^{nd} Quartile Capital Efficiency (\$7.6/lb Cu_{eq}), Targeting 1st Quartile

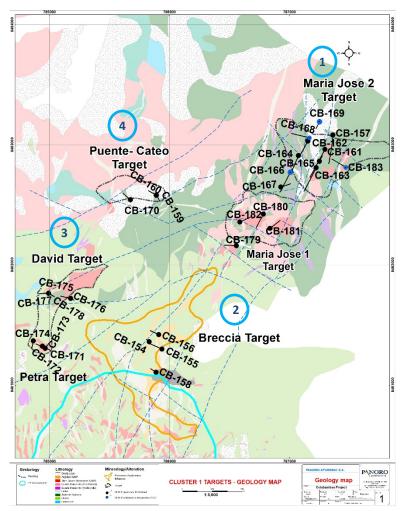
Luis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, has reviewed and approved the scientific and technical information



Cotabambas Project Deposit Resource & Growth Potential

Company	Year	Drill Holes	Metres
Antofagasta	1995 to 2002	24	8,538
CDLM	2002 to 2007	10	3,252
Panoro	2007 to 2012	29	17,785
Panoro	2012 to 2013	81	40,467
Panoro	2013 to 2014	11	4,946
Panoro	2017 to 2018	36	8,805
Total		134	83,793

Resource Category	Zone	Million tonnes	Cutoff Grade % Cu _{eq}	Cu %	Au g/t	Ag g/t
Indicated	Hypogene	84.2	0.20	0.37	0.21	2.73
	Supergene	8.9	0.20	0.73	0.31	3.07
	Oxide Cu-Au	23.8	0.20	0.49	0.24	2.63
	Oxide Au	0.2	0.20	-	0.66	3.74
	Total	117.1	0.20	0.42	0.23	2.74
Inferred	Hypogene	521	0.20	0.29	0.18	2.41
	Supergene	7.4	0.20	0.73	0.18	1.93
	Oxide Cu-Au	75.8	0.20	0.41	0.15	1.82
	Oxide Au	1.2	0.20	-	0.61	3.27
	Total	605.3	0.20	0.31	0.17	2.33



Source: April 2015 NI 43-101 Technical Report prepared by Amec Foster Wheeler & Tetra Tech

Luis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, has reviewed and approved the scientific and technical information



Cotabambas Project 2017-2018 Cluster 1 Exploration Program

MARIA JOSE TARGETS / NEAR SURFACE / SULPHIDES & OXIDES (1)

CB-157

195.2m 0.34% Cu, 0.06 g/t Au, 1.6 g/t Ag

CB-161

39.7m 0.54% Cu, 0.06 g/t Au, 2.52 g/t Ag 56.3m 0.41% Cu, 0.05 g/t Au, 2.19 g/t Ag 187.7m 0.25% Cu, 0.04 g/t Au, 1.75 g/t Ag 22.9m 0.48% Cu, 0.08 g/t Au, 3.39 g/t Ag

CB-165

13.2m 0.41% Cu, 0.06 g/t Au, 2.3 g/t Ag 2.7m 1.03% Cu, 0.11 g/t Au, 6.8 g/t Ag 74.8m 0.24%-0.78% Cu. 0.03 g/t-0.12 g/t Au, 1.3 g/t-2.7 g/t Ag

CB-180

112.8m 0.23% Cu, 0.02 g/t Au, 1.1 g/t Ag, incl.

- 9.0 m 0.43 % Cu, 0.03 g/t Au, 1.1 g/t Ag
- 34.9m 0.30% Cu, 0.02 g/t Au, 1.3 g/t Ag

CB-183

127.6m 0.41% Cu, 0.06 g/t Au, 2.0 g/t Ag, incl. 44.7m 0.22% Cu, 0.04 g/t Au, 1.78g/t Ag, incl.

- 37.0 m 0.56% Cu, 0.10 g/t Au, 2.8 g/t Ag
- 52.9m 0.46% Cu, 0.07 g/t Au, 2.1 g/t Ag

CB-184

23.1m 0.17% Cu, 0.02 g/t Au, 1.44 g/t Ag, incl.

6.4m 0.23 % Cu, 0.03 g/t Au, 2.01 g/t Ag

CB-186

- 13.2m 0.26% Cu, 0.06 g/t Au, 1.9 g/t Ag
- 3.1m 0.41% Cu, 0.06 g/t Au, 3.31g/t Ag

Brescia Targets / Near Surface / Oxides (2)

CB-158

4.3m 0.9 g/t Au, 1.1 g/t Ag, 0.01% Cu, incl.

• 2.4m 1.52 g/t Au, 0.8 g/t Ag, 0.01% Cu

CB-154

2m 0.75 g/t Au, 3.4 g/t Ag, 0.02% Cu

CB-155

0.9m 0.85 g/t Au, 39.6 g/t Ag, 0.03% Cu

PETRA-DAVID TARGETS / NEAR SURFACE / CU OXIDES (3)

CB-171

19m 0.35% Cu, 0.09 g/t Au, 2.7 g/t Ag, incl.

- 10.8 m 0.44 % Cu, 0.12 g/t Au, 2.8 g/t Ag 49.3m 0.24 % Cu, 0.07 g/t Au, 1.7 g/t Ag, incl. • 10.0m 0.57 % Cu, 0.14 g/t Au, 2.2 g/t Ag
- 30.2m 0.32% Cu, 0.09 g/t Au, 2.2 g/t Ag
- 12.0m 0.40% Cu, 0.09 g/t Au, 3.2 g/t Ag

CB-172

78.8m 0.32% Cu, 0.08 g/t Au, 2.2 g/t Ag, incl.

- 20.4 m 0.48 % Cu, 0.12 g/t Au, 2.6 g/t Ag

CB-173

61.4m 0.38% Cu, 0.10g/t Au, 4.9 g/t Ag, incl.

27.1m 0.58 % Cu, 0.14 g/t Au, 2.9 g/t Ag

CB-175

87.6m 0.20% Cu, 0.07 g/t Au, 1.8 g/t Ag, incl.

- 7.6 m 0.39% Cu, 0.13 g/t Au, 2.4 g/t Ag
- 8.6m 0.29 % Cu, 0.08 g/t Au, 2.3 g/t Ag

CB-185

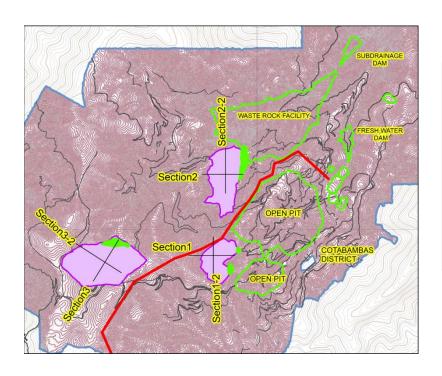
46.5m 0.21% Cu, 0.02 g/t Au, 1.77 g/t Ag, incl.

23.0m 0.27% Cu, 0.03 g/t Au, 1.89 g/t Ag

Luis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, has reviewed and approved the scientific and technical information



Cotabambas Project Potential Heap Leach SX/EW



Resources Category	Zone	Cut-Off Grade% CuEq	Million Tonnes	(%)	Au (g/t)	Ag (g/t)	Mo (%)	Cu (Blb)	Au (Moz)	Ag (Moz)	Mo (Mlb)
	Hypogene Sulphide	0.2	84.2	0.37	0.21	2.73	0.0018	0.69	0.58	7.39	3.43
	Supergene Sulphide	0.2	8.9	0.73	0.31	3.07	-	0.14	0.09	0.88	0.01
Indicated	Oxide Copper- Gold	0.2	23.8	0.49	0.24	2.63	·	0.26	0.18	2.01	0.01
	Oxide Gold	Na	0.2		0.66	3.74	-	-	0	0.02	-
	Total		117.1	0.42	0.23	2.74	0.0013	1.09	0.86	10.3	3.45
	Hypogene Sulphide	0.2	521	0.29	0.18	2.41	0.0021	3.36	2.94	40.35	24.22
	Supergene Sulphide	0.2	7.4	0.70	0.18	1.93	0.0007	0.12	0.04	0.46	0.11
Inferred	Oxide Copper- Gold	0.2	75.8	0.41	0.15	1.82	0000	0.68	0.37	4.44	0.5

Table: Mineral Resources, Tetra Tech, October 2013.

99.6 Mt @ 0.42 % Cu 0.21 g/t Au 2.43 g/t Ag

Assuming same cutoff as for flotation

Mineral Resources have an effective date of June 20, 2013 and were estimated by Qualified Person Robert Morrison, P.Geo. (APGO, 1839). The estimate is based on 56,813 meters of drilling by Panoro and 9,923 meters of drilling from legacy campaigns. Copper equivalent (CuEq) is calculated using the equation: CuEq = Cu + 0.4422 Au + 0.0065*Ag. based on the differentials of long range metal prices net of selling costs and metallurgical recoveries for gold and copper and silver. Mineralization would be mined from open pit and treated using conventional flotation and hydrometallurgical flow sheets. Rounding in accordance with reporting guidelines may result in summation differences. CuEq cut-offs were used to report almost all of the resource. These cut-offs are a function of metal price and recoveries. In the in situ resource, estimated gold, silver and molybdenum are then converted to US dollars and combined. The combined funds are re-converted to copper and added to the in situ copper values. The following metals prices are used: copper - \$US3.20/lb; gold - \$US1.350/troy oz; silver - \$US23.00/troy oz; molybdenum - \$US12.50/lb. The following metal recoveries were applied to the in situ resource: molybdenum - 40%; gold - 64%; silver - 63%. As the resource is reported as in situ, no recovery is applied to copper.

Oxide Gold



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0.02 0.12

45.37 24.83

2.33 | 0.0019 | 4.16 | 3.38

Cotabambas Project Potential Heap Leach SX/EW

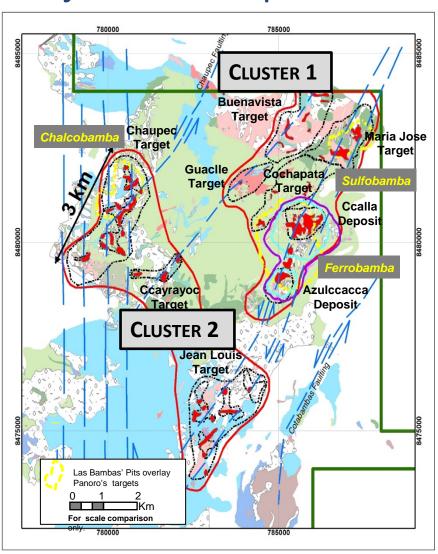
Assumptions:

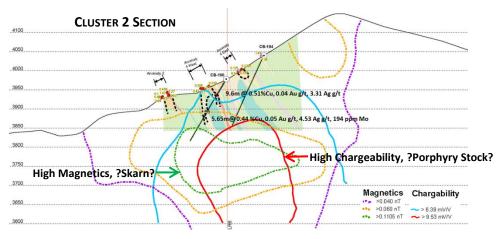
- \$US 250 M Capex
 - Heap leach pad
 - SX/EW Plant
 - Crusher
 - Mining Equipment
 - Infrastructure
- \$US 8/tonne mining and processing cost
- \$US 191 M NPV
- 24.1% IRR
- 9 Year Life of Mine
- 33 Ktpd Mining rate
- 60% Cu recovery
- 29 Ktpa Cu Cathode

Met Testwork & Pre-feasibility Study	(MUSD)
Metallugical Testing	\$0.41
Pre Feasibility Studies	\$1.70
Infill Drilling cost (5 months, 5 rigs)	\$5.50
Drilling for LP Geomechanics/Hidrology	\$0.25
Drill Core Lab Assays	\$0.30
Geomechanics & Hydrology Lab Assays	\$0.05
Geometallurgy Lab Assays	\$0.05
Metallurgy Testwork Laboratory Cost	\$0.15
Social Permits (Cochapata, Guaclle, Calla, Cotabambas)	\$1.00
Environmental Permits	\$0.05
Total	\$9.50



Cotabambas Project Cluster 1 and Cluster 2 Project Scale Expansion Potential





Drillhole	From	То	Length (m)	% Cu	Au g/t	Ag g/t	% Mo	% Pb	%Zn
CB-190	40.45	50.05	9.60	0.51	0.04	3.31	8	0.016	0.0230
Include	45.00	50.05	5.05	0.80	0.06	4.91	10	0.026	0.0300
ee ee	111.45	117.10	5.65	0.44	0.05	4.53	194	0.004	0.0160
Include	111.45	113.00	1.55	1.26	0.03	10.29	238	0.002	0.0100
CB-191	106.4	116.5	10.10	0.02	0.37	8.32	16	0.003	0.0070
Include	106.4	110.5	4.10	0.03	0.52	14	32	0.0081	0.0129
include	112.5	116.5	4.00	0.02	0.40	6.43	6	0.0003	0.0028
CB-192	39.40	53.20	13.80	0.16	0.02	3.50	7	0.038	0.060
Include	45.20	48.10	2.90	0.37	0.03	5.60	6	0.004	0.0320
ee ee	66.00	66.60	0.60	0.89	0.02	13.80	12	0.099	0.0640
	89.30	90.10	0.80	0.40	0.01	5.90	6	0.0223	0.0156
CB-193	15.20	32.80	17.60	0.42	0.05	24.20	12	0.067	0.38
Include	15.20	20.40	5.20	0.67	0.08	37.29	12	0.12	0.41
Include	26.85	32.80	5.95	0.59	0.08	34.97	14	0.074	0.39

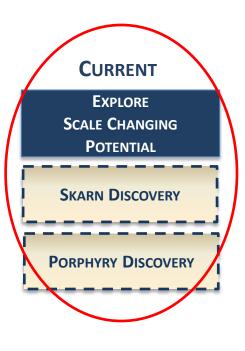


Cotabambas Project Targets





IMPROVE
METALLURGICAL
RECOVERIES
MIXED & OXIDE
RESOURCES



Cotabambas Project 2020 – 2021 Plan

- \$2.3 M investment program.
- Resource growth exploration will focus on the Chaupec and Guaclle areas identified in 2019.
- A 1,000 m drill hole exploration program is planned at the Chaupec Target to further delineate the mineralization identified in 2019.
 - 2019 exploration identified 1.2 km of mineralization along strike to the north side of the Chaupec target.
 - 2020 exploration will focus on delineating this mineralization further along strike to the south and identifying the best location to test the potential underlying porphyry center and massive skarn targets identified in the geophysics.
- A 1,000 m drill hole exploration program is planned at the Guaclle Target to test the high grade skarn mineralization at depth below the surface outcroppings.
- A 2,000 m drill hole program at the both/either the Chaupec and Guaclle Targets will be planned pending the results of the above outlined exploration.

Luis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, has reviewed and approved the scientific and technical information



Antilla Project Heap Leach SX/EW Project





After Tax

NPV \$US 305 M

IRR 25.9%

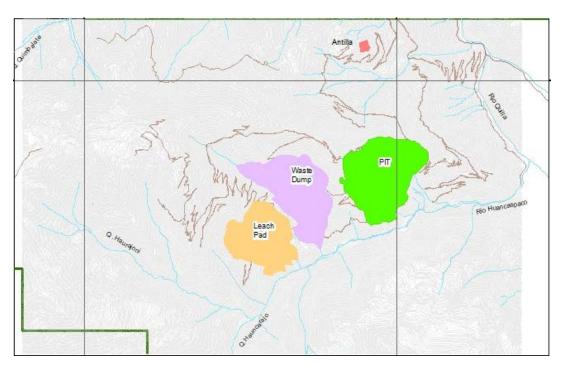
PAYBACK 3.0

Cash Costs

C1 \$1.51/lb C2 \$ 1.82/lb LOM Cashflow

\$US 1.0 B pretax \$US 669 M after tax

Antilla Initial CAPEX



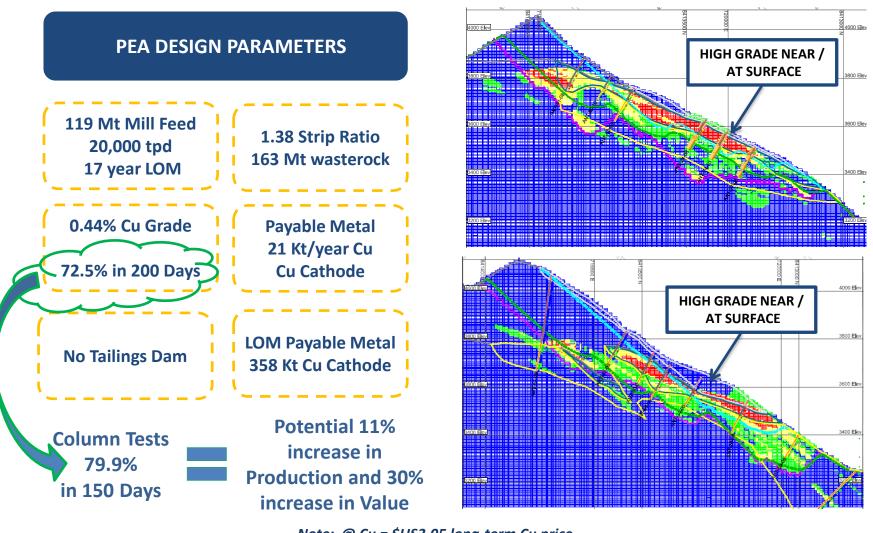
(US\$ millions)							
Item	Cost						
Mine Equipment	\$0						
Mine Development	\$41						
Process Plant	\$95						
Tailings Storage Facility	\$0						
Infrastructure	\$42						
Subtotal	\$178						
Owners Cost	\$8						
Indirect Costs	\$14						
Subtotal	\$200						
Contingencies	\$50						
Total Initial Capital Cost	\$250						

NOTE: @ Cu = \$US3.05 long-term Cu price/lb

Luis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, has reviewed and approved the scientific and technical information



Antilla Project Heap Leach SX/EW PEA Summary



Note: @ Cu = \$US3.05 long-term Cu price

uis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, has reviewed and approved the scientific and technical information.



Antilla Project Growth Potential

KEY PROJECT (IN USD CURRE			HEAP LEACH PROJECT ²	HEAP LEACH GROWTH POTENTIAL ³
Mill Feed, life of r	nine	million tonnes	118.7	171.1
Mill Feed, daily		tonnes	20,000	35,000
Strip Ratio, life of	Strip Ratio, life of mine		1.38:1	1.77 : 1
	NPV _{7.5%}	million USD	305	499
After Tax @ PEA Prices	After Tax IRR		25.9	36.9
@ 1	Payback	years	3.0	2.2
	Cu	thousand tonnes	21.0	38.5
Annual Average	Au	thousand ounces	-	-
Payable Metals	Ag	thousand ounces	-	-
	Мо	thousand tonnes	-	0.9
Initial Capital Cos	t	million USD	250	327

- 1. Prices in USD
- 2. At PEA commodity prices; long-term Cu = \$3.05/lb
- 3. Conceptual level estimate

Luquman Shaheen; President & CEO, and Luis Vela, Vice President of Exploration for Panoro and a "qualified person" under National Instrument 43-101, have reviewed and approved the scientific and technical information



Antilla Project Heap Leach SX/EW

Optimized	I D A :	
		PIAN
Optillizet		I IGIII

Increased Grade 0.31% to 0.43%

Secondary Sulphides 117 Mt, 98% of feed

Indicated Category 95% of mine plan

Reduced Throughput

Cathode Production 21.0 Kt/vr

Strip Ratio 1.38 Mine Plan 20,000 tpd

Life of Mine 17 years

Lower Capital and Operating Costs

Cu Recovery 72.5% from leaching secondary Sulphides

Capital Cost reduced 59%

C1, C2 Costs Reduced 18-23%

Eliminated Sustaining Capital Costs

No Tailings Dam

Use Contract Mine Fleet

Maximized Project
Cash Flows

After Tax NPV +36% IRR + 72% Payback -27%

NPV/Capex > 1

Capital Intensity, lower quartile 5.41

Roadmap to Permit

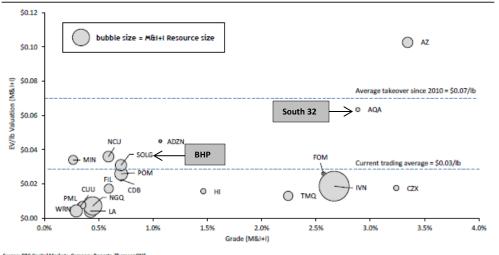
Infill Drilling \$ 2 million, 3 months Feasibility Study \$ 2 million, 7 months

Impact Assess & Approval \$ 0.5 million, 22 months



Panoro Minerals Valuation Metrics





Legend

5¢ indicates 5¢/lb Cu_{eq} in M/I/I Resource 10¢ indicates 10¢/lb Cu_{eq} in Mineable Resource 0.4 indicates 40% of NPV

0.4 indicates 40% of NPV 0.8 indicates 80% of NPV

MARCH 2012

PML Market Capitalization \$120M



OCTOBER 2017

Antilla + Cotabambas = 10.5B lb Cu_{eq}



\$630M Valuation Potential



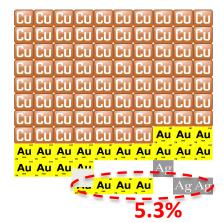
Panoro Minerals Valuation Potential

STREAM AGREEMENT

C. .	С.	C. .					С.	С.,	C.,	1
Cu	ᇤ	ᄪ			Cu	LU	ᄪ	עט	ᄪ	Į
Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
CJ	밁	Cu	Cu	Cu	Cu	Cu	Au	Au	Au	
Au	Au	Au	Au	Au	Au	Au	Au	Au	Au	
Αu	Au	-		_	_			_	-	
<mark>* * * Au Au Au Au Au</mark> Ag Ag Ag										
					7	7	·-		-	
8.0%										



CAPPED POST 90M AG_{EQ} OZ



STREAM REDUCTION IN FUTURE CAPTURES EXPLORATION UPSIDE

Exploration Deris Funding Finan

Development Funding Derisked Financing

Custom Fit Agreement

OPTION CHANGE OF CONTROL

FLEXIBILITY FOR
ACQUIRER OF PROJECT

Flexibility Validation of Project

Valuation Levera

Leveraged for 2016 Placement

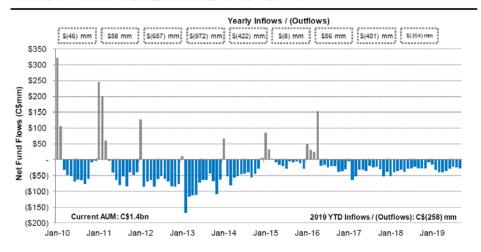


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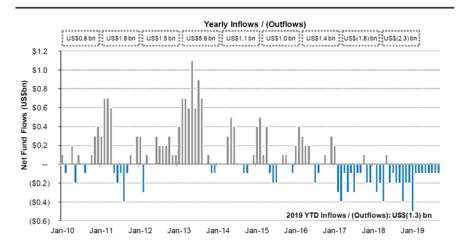
Benchmark

North American Metals & Mining Equity Issuance

CANADA - NATURAL RESOURCE FUND FLOWS



UNITED STATES - NATURAL RESOURCE FUND FLOWS



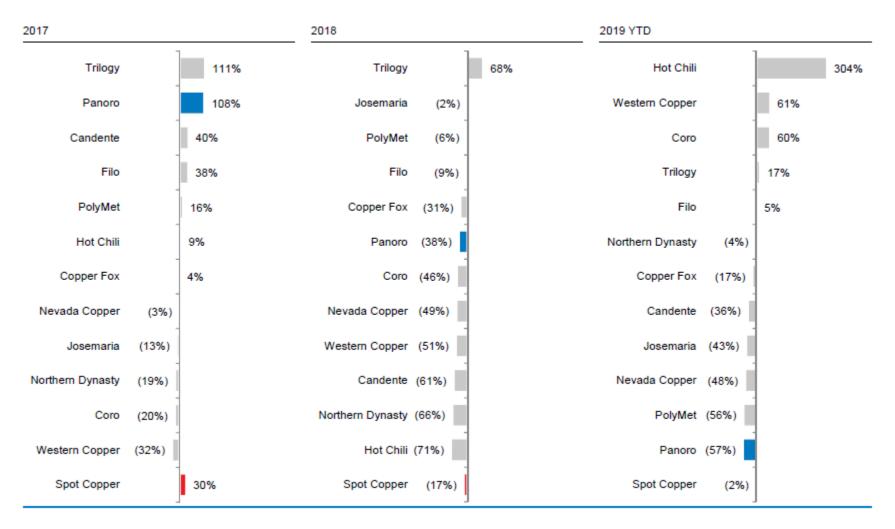
Source: Bloomberg, BMO Capital Markets, company filings, Dealogic, FactSet, IFIC, Lipper Note: (a) indicates BMO acted as bookrunner on transaction.

- Recent equity offerings >US\$25 mm shown. Includes over-allotment option, if exercised; select Cu deals shown.
- Where applicable, discounts are adjusted for warrant value; for marketed offerings, discounts are measured 6. relative to the last trade prior to announcement of the offering.
- Osisko Mining transaction includes both tranches of flow-through common shares.

- Osisko Mining transaction includes both the charitable flow-through share portion and the common share portion.
- Victoria Gold transaction includes the common share portion, the flow-through common share portion, and the concurrent private placement portion.
 - TMAC Resources transaction includes both the common share portion and the concurrent private placement portion.



Relative Performance



Source: FactSet Note: Calculated in local currency.

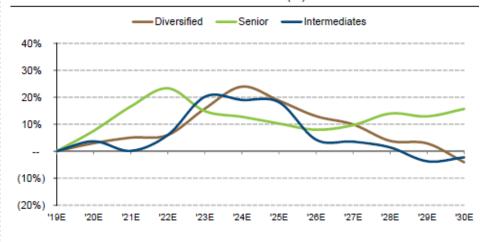


Base Metal Sector Valuation Trends

BASE METAL SECTOR VALUATION TRENDS Seniors intermediates Juniors Developers Average Developer to Junior Producer Discount Since 2012: 50% Current: 54% 0.5x 0.5x

Dec-11 Jun-12 Dec-12 Jun-13 Dec-13 Jun-14 Dec-14 Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19

CU ONLY PRODUCTION GROWTH OVER TIME (%)



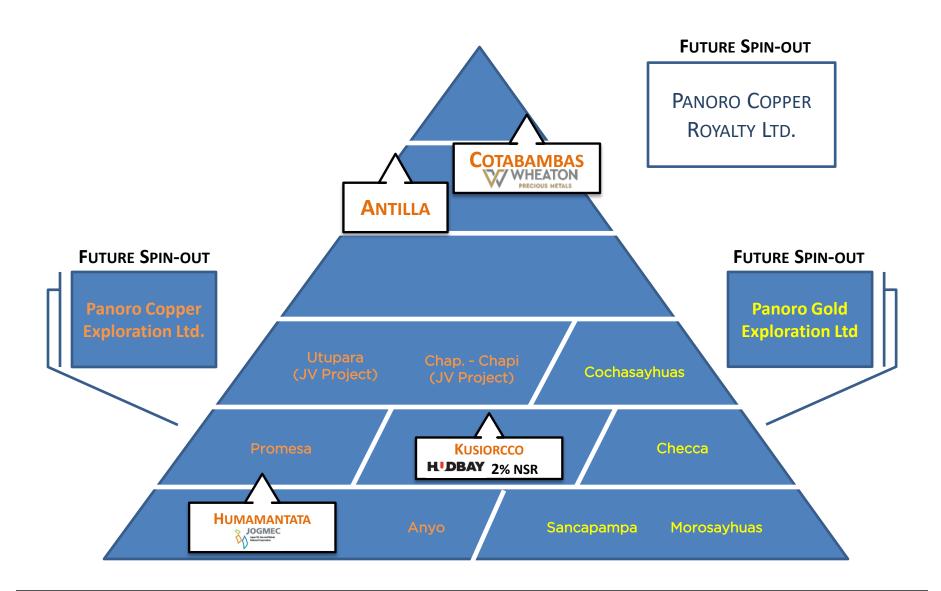
Source: FactSet. street research

Source: BMO Capital Markets Equity Research, street research

Based on BMO Capital Markets M&A database for transactions greater than US\$50 mm.



Future Copper & Gold Exploration Companies





Management & Directors – Peru Experience

MANAGEMENT

LUQUMAN SHAHEEN, PENG, PE, MBA – PRESIDENT & CHIEF **EXECUTIVE OFFICER & DIRECTOR**

Over 27 years experience in mining sector, 20 years experience in Peru and Latin America



SHANNON ROSS, CPA,CA - CHIEF FINANCIAL OFFICER

Over 25 years experience in accounting and financial management in the mining sector

YVES BARSIMANTOV - VICE PRESIDENT OPERATIONS & PERU GENERAL MANAGER

20 years management experience with Peruvian banking, fishing and mining sector



Luis Vela, P.Geo., MSc.Econ.Geology – Vice President **EXPLORATION**

Over 25 years exploration experience in Peru and Chile mining sector



DIRECTORS

WILLIAM BODEN, CPA,CA - CHAIRMAN

Former Chairman of First Coal Corporation

AUGUSTO BAERTL - DIRECTOR

Over 50 years of experience in the Peruvian and **International Mining Sector**



RONALD HALL - DIRECTOR

Over 40 years of experience in the management, operation, evaluation and design of mining projects globally

ANTHONY LAUB - DIRECTOR

Partner at Laub & Quijandria Consultores y Abogados



CHRISTIAN PILON — EXECUTIVE DIRECTOR PERU — DIRECTOR

Over 30 years of experience in applied geophysics and mining sector, resident in Peru



CHRISTIAAN STAARGAARD, MSc, PGEO – DIRECTOR

Over 40 years experience in exploration including as a Director or Senior Officer of public companies since 1990

LORNE TORJHELM - DIRECTOR

President RNJ Ventures



Conclusions

COTABAMBAS PROJECT

Large scale copper project, greater potential, strategic location

ANTILLA PROJECT

Moderate scale project, potential to monetize

FINANCED

Funding in Place \$19.8M CAD

COPPER

Principal commodity with supply constraints coming and demand strong

PERU

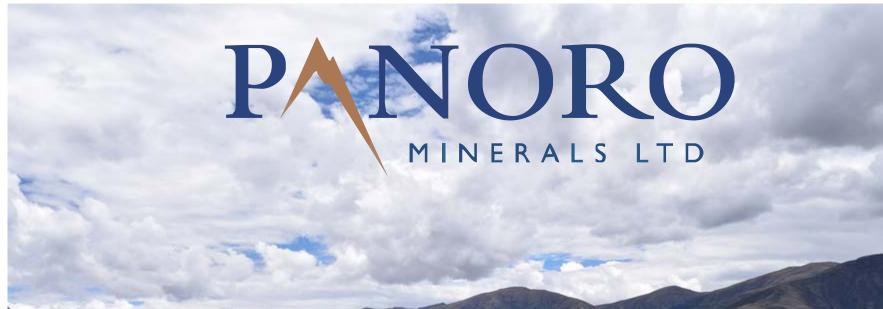
Key copper producing nation with goal to become largest copper producer nation

VALUATION POTENTIAL

Significant Valuation Growth Potential for New Cycle







TSXV:PML
Frankfurt:PZM
BVL:PML

For further information, contact: Luquman Shaheen, President and CEO

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