



# lundin mining

**Corporate Presentation**

November 23<sup>rd</sup>, 2021

TSX: LUN Nasdaq Stockholm: LUMI

Candelaria, Atacama Region, Chile

# Cautionary Statements

## Caution Regarding Forward-Looking Information and Non-GAAP Performance Measures

Certain of the statements made and information contained herein is “forward-looking information” within the meaning of applicable Canadian securities laws. All statements other than statements of historical facts included in this document constitute forward-looking information, including but not limited to statements regarding the Company’s plans, prospects and business strategies; the Company’s guidance on the timing and amount of future production and its expectations regarding the results of operations; expected costs; permitting requirements and timelines; timing and possible outcome of pending litigation; the results of any Preliminary Economic Assessment, Feasibility Study, or Mineral Resource and Mineral Reserve estimations, life of mine estimates, and mine and mine closure plans; anticipated market prices of metals, currency exchange rates, and interest rates; the development and implementation of the Company’s Responsible Mining Management System; the Company’s ability to comply with contractual and permitting or other regulatory requirements; anticipated exploration and development activities at the Company’s projects; and the Company’s integration of acquisitions and any anticipated benefits thereof. Words such as “believe”, “expect”, “anticipate”, “contemplate”, “target”, “plan”, “goal”, “aim”, “intend”, “continue”, “budget”, “estimate”, “may”, “will”, “can”, “could”, “should”, “schedule” and similar expressions identify forward-looking statements.

Forward-looking information is necessarily based upon various estimates and assumptions including, without limitation, the expectations and beliefs of management, including that the Company can access financing, appropriate equipment and sufficient labor; assumed and future price of copper, nickel, zinc, gold and other metals; anticipated costs; ability to achieve goals; the prompt and effective integration of acquisitions; that the political environment in which the Company operates will continue to support the development and operation of mining projects; and assumptions related to the factors set forth below. While these factors and assumptions are considered reasonable by Lundin Mining as at the date of this document in light of management’s experience and perception of current conditions and expected developments, these statements are inherently subject to significant business, economic and competitive uncertainties and contingencies. Known and unknown factors could cause actual results to differ materially from those projected in the forward-looking statements and undue reliance should not be placed on such statements and information. Such factors include, but are not limited to: risks inherent in mining including but not limited to risks to the environment, industrial accidents, catastrophic equipment failures, unusual or unexpected geological formations or unstable ground conditions, and natural phenomena such as earthquakes, flooding or unusually severe weather; uninsurable risks; global financial conditions and inflation; changes in the Company’s share price, and volatility in the equity markets in general; volatility and fluctuations in metal and commodity prices; the threat associated with outbreaks of viruses and infectious diseases, including the COVID-19 virus; changing taxation regimes; reliance on a single asset; delays or the inability to obtain, retain or comply with permits; risks related to negative publicity with respect to the Company or the mining industry in general; health and safety risks; exploration, development or mining results not being consistent with the Company’s expectations; unavailable or inaccessible infrastructure and risks related to ageing infrastructure; actual ore mined and/or metal recoveries varying from Mineral Resource and Mineral Reserve estimates, estimates of grade, tonnage, dilution, mine plans and metallurgical and other characteristics; risks associated with the estimation of Mineral Resources and Mineral Reserves and the geology, grade and continuity of mineral deposits including but not limited to models relating thereto; ore processing efficiency; community and stakeholder opposition; information technology and cybersecurity risks; potential for the allegation of fraud and corruption involving the Company, its customers, suppliers or employees, or the allegation of improper or discriminatory employment practices, or human rights violations; regulatory investigations, enforcement, sanctions and/or related or other litigation; uncertain political and economic environments, including in Brazil and Chile; risks associated with the structural stability of waste rock dumps or tailings storage facilities; estimates of future production and operations; estimates of operating, cash and all-in sustaining cost estimates; civil disruption in Chile; the potential for and effects of labor disputes or other unanticipated difficulties with or shortages of labor or interruptions in production; risks related to the environmental regulation and environmental impact of the Company’s operations and products and management thereof; exchange rate fluctuations; reliance on third parties and consultants in foreign jurisdictions; climate change; risks relating to attracting and retaining of highly skilled employees; compliance with environmental, health and safety laws; counterparty and credit risks and customer concentration; litigation; risks inherent in and/or associated with operating in foreign countries and emerging markets; risks related to mine closure activities and closed and historical sites; changes in laws, regulations or policies including but not limited to those related to mining regimes, permitting and approvals, environmental and tailings management, labor, trade relations, and transportation; internal controls; challenges or defects in title; the estimation of asset carrying values; historical environmental liabilities and ongoing reclamation obligations; the price and availability of key operating supplies or services; competition; indebtedness; compliance with foreign laws; existence of significant shareholders; liquidity risks and limited financial resources; funding requirements and availability of financing; enforcing legal rights in foreign jurisdictions; dilution; risks relating to dividends; risks associated with acquisitions and related integration efforts, including the ability to achieve anticipated benefits, unanticipated difficulties or expenditures relating to integration and diversion of management time on integration; activist shareholders and proxy solicitation matters; and other risks and uncertainties, including but not limited to those described in the “Risk and Uncertainties” section of the Annual Information Form and the “Managing Risks” section of the Company’s MD&A for the year ended December 31, 2020, which are available on SEDAR at [www.sedar.com](http://www.sedar.com) under the Company’s profile. All of the forward-looking statements made in this document are qualified by these cautionary statements. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated, forecast or intended and readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used. 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 forward-looking information. Accordingly, there can be no assurance that forward-looking information will prove to be accurate and forward-looking information is not a guarantee of future performance. Readers are advised not to place undue reliance on forward-looking information. The forward-looking information contained herein speaks only as of the date of this document. The Company disclaims any intention or obligation to update or revise forward-looking information or to explain any material difference between such and subsequent actual events, except as required by applicable law.

This presentation may contain certain financial measures such as adjusted earnings, adjusted loss, EBITDA, free cash flow, net cash, net debt, adjusted operating cash and cash costs which have no standardized meaning within generally accepted accounting principles under IFRS and therefore amounts presented may not be comparable to similar data presented by other mining companies. This data is intended to provide additional information and should not be considered in isolation or as a substitute for measures or performance prepared in accordance with IFRS.

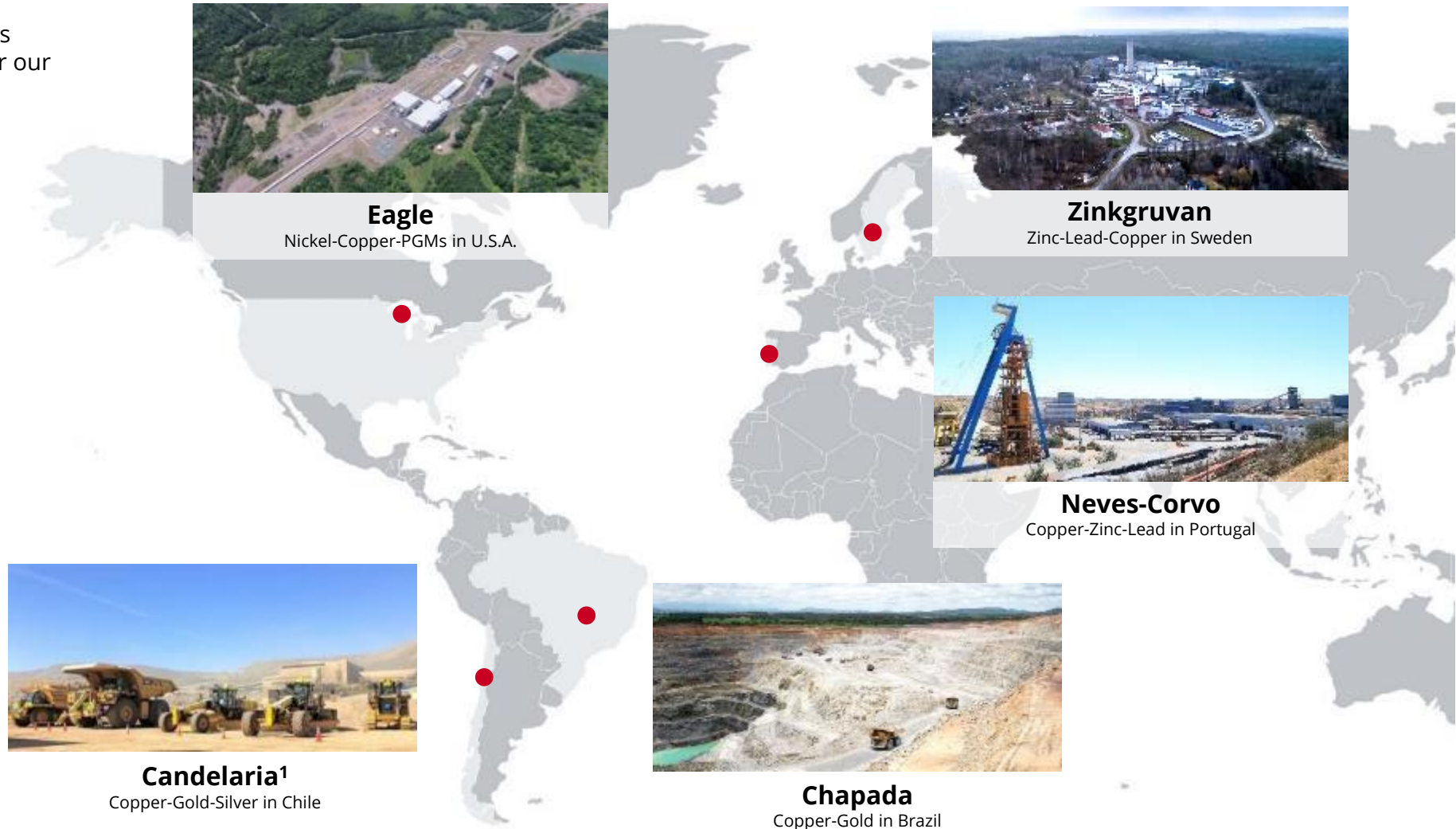
Note: All dollar amounts are in US dollars unless otherwise denoted.

# Lundin Mining

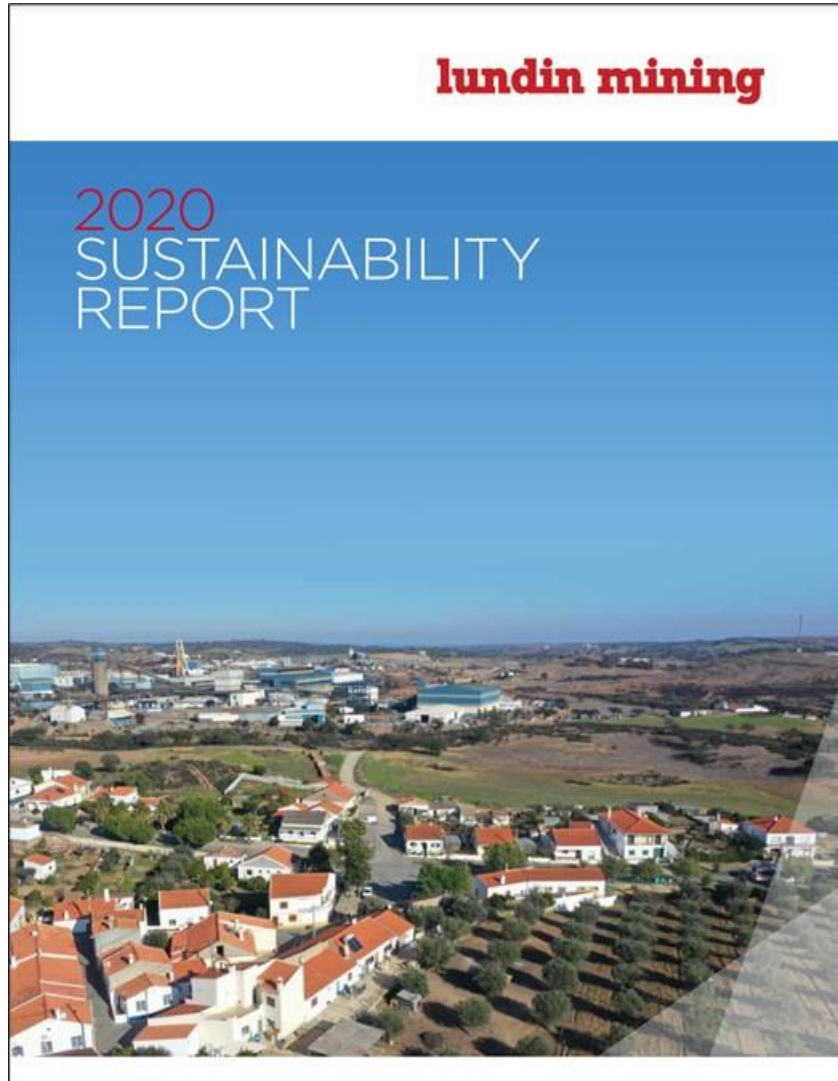
## Our Strategy

Operate, upgrade and grow a base metals portfolio that provides leading returns for our shareholders throughout the cycle

- copper dominant
- competitive cost position
- low-risk mining jurisdictions
- pipeline of exploration and development projects
- low leverage and flexible balance sheet
- attractive direct shareholder returns



1. Lundin Mining holds an 80% interest in Candelaria



## 2020 Sustainability Report

- have been reporting our sustainability performance in a comprehensive, standalone document since 2010
- prepared in accordance with the Global Reporting Initiative (GRI) Standards and broadly mapped against the Sustainability Accounting Standards Board (SASB) Metals & Mining Standard
- continue to define, integrate and embed sustainability pillars, key themes, performance indicators and long-term targets

## Highlights Include

- achieved sustainable improvements in our safety, environmental and social performance in 2020
- worked proactively to monitor the evolving COVID-19 pandemic and put appropriate and protective measures in place. Worked closely with communities to identify needs and provide support
- best-ever Company Total Recordable Injury Frequency rate of 0.55
- formal adoption of the Global Industry Standard on Tailings Management
- no Level 3 or above environmental incidents; 13% decrease in Level 2 incidents
- steadily improved disclosure scoring annually in the CDP climate change report
- formal Human Rights Standard complementing and enhancing pre-existing commitments
- adoption of a formal Diversity and Inclusion Policy, including specific targets

[www.lundinmining.com/responsible-mining/sustainability-reports/](http://www.lundinmining.com/responsible-mining/sustainability-reports/)

# Q3/21 Summary Results



Neves-Corvo ZEP shaft upgrade work – August 2021

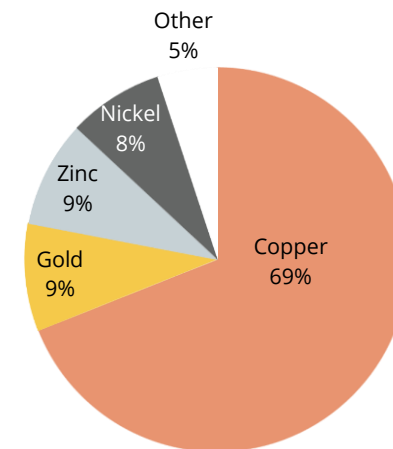
## Production

65,077 t of copper  
 38,769 t of zinc  
 46,000 oz of gold  
 4,124 t of nickel  
 8,311 t of lead

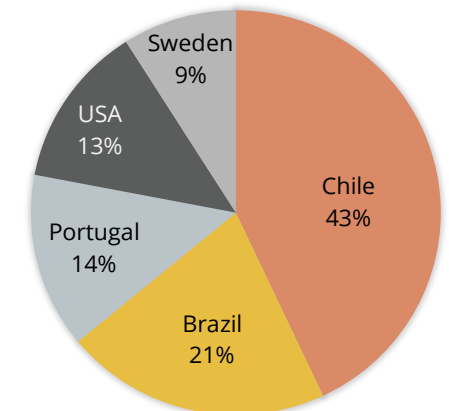
## Payable Sales

61,334 t of copper  
 28,559 t of zinc  
 42,000 oz of gold  
 3,246 t of nickel  
 5,824 t of lead

## \$756M in Sales



**By Metal**



**By Jurisdiction**

## Q3/21 Operational Performance on Plan

- production of 35,929 t of copper and approximately 20,000 oz of gold at a cash cost of \$1.62/lb copper
- 2021 production and cash cost guidance reiterated; presently mining higher grades from open pit

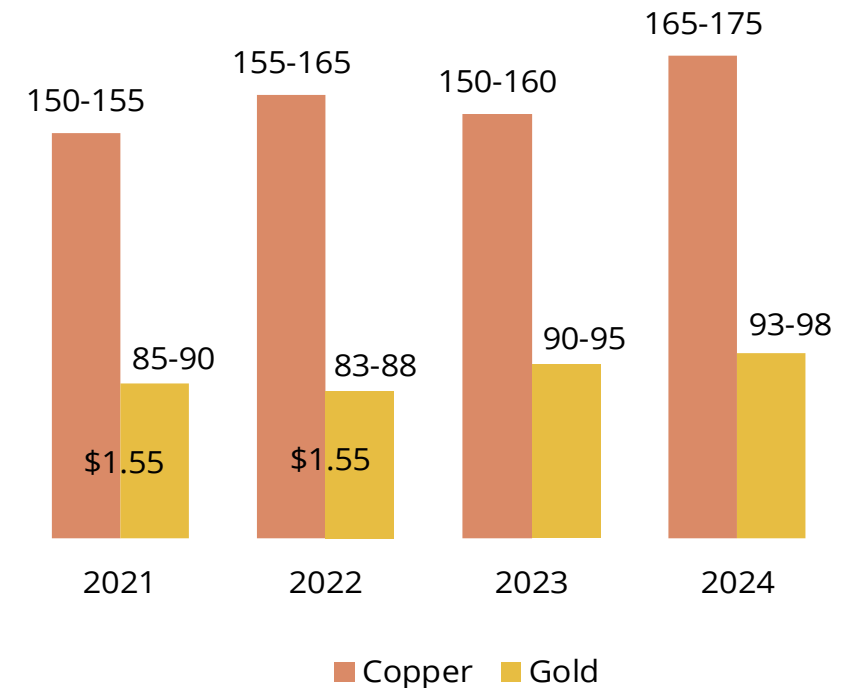
## 3-Year Outlook & Guidance

- copper production to increase on improved grades and achievement of planned processing
- open pit ore mining to continue primarily from Phase 10, with initial contribution from Phase 11, in 2022
- debottlenecking of pebble crushing circuit to increase mill capacity in early 2023
- improvement in grade discrepancy in Q3/21 and positive trend continuing in Q4/21
- cash costs<sup>1</sup> to approximate \$1.55/lb of copper in 2022, after by-product credits
- 2022 capital expenditures to total \$370M
- planned 2022 exploration expenditure of \$15M, including over 54,000 m of drilling



Candelaria plant pebble crushing circuit

## Copper, Gold Production & Cash Cost Outlook<sup>2</sup> (100% basis; kt Cu, koz Au & \$/lb Cu, net of by-product credits)



2. Copper and gold production and cash cost guidance for 2021 is as outlined in the Management's Discussion and Analysis for the quarter ended September 30, 2021, in the Outlook section. Guidance for 2022 through 2024 is as announced by news release entitled "Lundin Mining Provides Operational Outlook & Update" dated November 22, 2021. Currently, 68% of Candelaria's total gold and silver production are subject to a streaming agreement and as such 2021 cash cost guidance is based on receipt of \$416/oz and \$4.16/oz on the streamed portion of gold and silver sales, respectively. Cash cost guidance for 2022 is based on receipt of \$420/oz and \$4.20/oz on the streamed portion of gold and silver sales, respectively.

1. This is a non-GAAP measure. For historical comparatives see the Historical Non-GAAP Measure Comparatives slide in this presentation. Please also see the Management's Discussion and Analysis for the year ended December 31, 2020, for discussion of non-GAAP measures.

# Pebble Crushing Debottlenecking

## Basic Engineering Underway

- crushed pebbles are being recirculated to the SAG mills, reducing amount of fresh ore
- aim is to eliminate or reduce return of crushed pebbles to the SAG to increase plant throughput
- basic engineering underway to:
  - modify pebbles hopper and loading system to better distribute pebbles and optimize load across the three pebble crushers
  - construct partial bypass of pebble ball mill so excess fine pebbles can be sent directly to the secondary grinding circuit of plant instead of being returned to the SAG mills
- study work underway on conversion of existing pebble ball mill to rod mill
- procurement and construction in 2022 with tie-in in 2023
- capital costs of \$15M within 2022 expenditure guidance



Candelaria plant pebble crushing circuit

# Mine-to-Mill Grade Discrepancy

- improvement in Q3/21 over prior two quarters (i.e., less discrepancy) and positive trend continuing in Q4/21

## Actions Taken

### Open pit & underground mines

- sampling systems bias studies by external parties
- underground infill for short-term modelling
- acquisition of rock breakers to support oversized ore reduction to improve mineral feed
- use of smart tag to monitor dilution

### Mill

- modified sample preparation protocols
- rougher feed sampler position modified
- frequency of the primary sampler incremental modified
- reparation and modification on the multiplexor sampler
- concentrate sampling procedure on the trucks modified
- dedicated crew to clean and maintain mill sampling system

## Next Steps

- operational dilution tests
- volumetric scanners for haul trucks (pending Q4/21)
- NextOre MRA trials to investigate grade estimation compared to mined tonnes (installation early 2022)
- upgrade of sampling system in mill



Schematic of NextOre Magnetic Resonance Analyzer



## Record Mill Throughput in Q3/21

- production of 16,050 t of copper and 26,000 oz of gold at a cash cost of \$0.62/lb of copper
- record quarterly mill throughput at over 6.4 Mt, including monthly record of 2.3 Mt in August

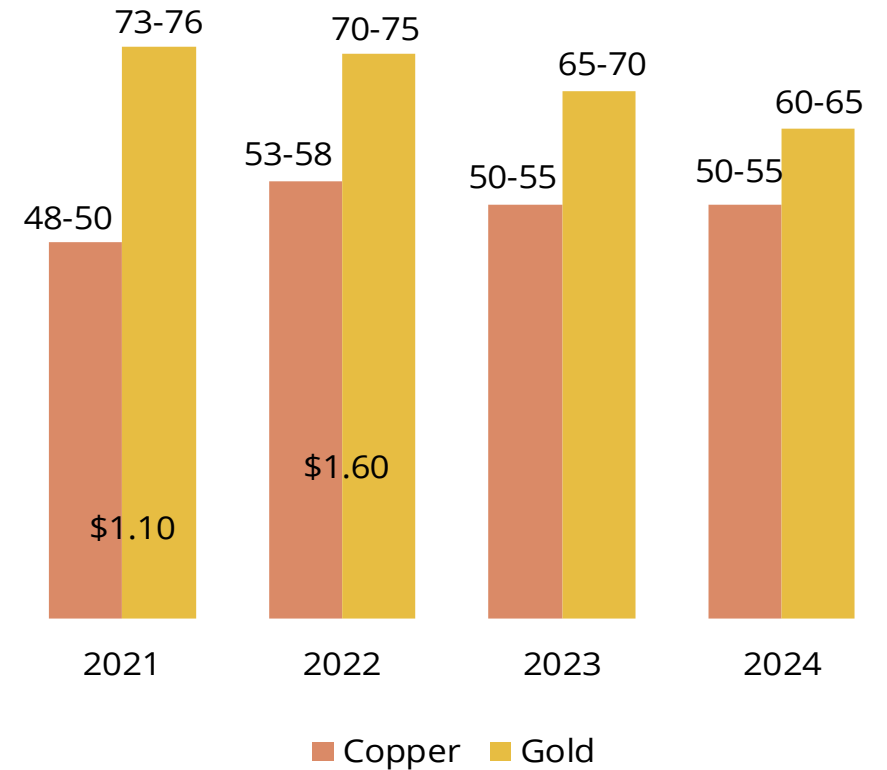
## 3-Year Outlook & Guidance

- copper production consistent with prior outlook<sup>1</sup>; gold production guidance increased for 2022
- production expected to be modestly weighted to H2/22, primarily due to grade profile and seasonal operating considerations
- YOY cash cost increase primarily reflecting higher consumable costs, lower stockpile values and FX assumption
- capital expenditures to total \$65M in 2022
- planned 2022 exploration expenditure of \$10M, including 60,000 m of drilling
- expansion studies ongoing to optimize life-of-mine value



Chapada Processing Plant

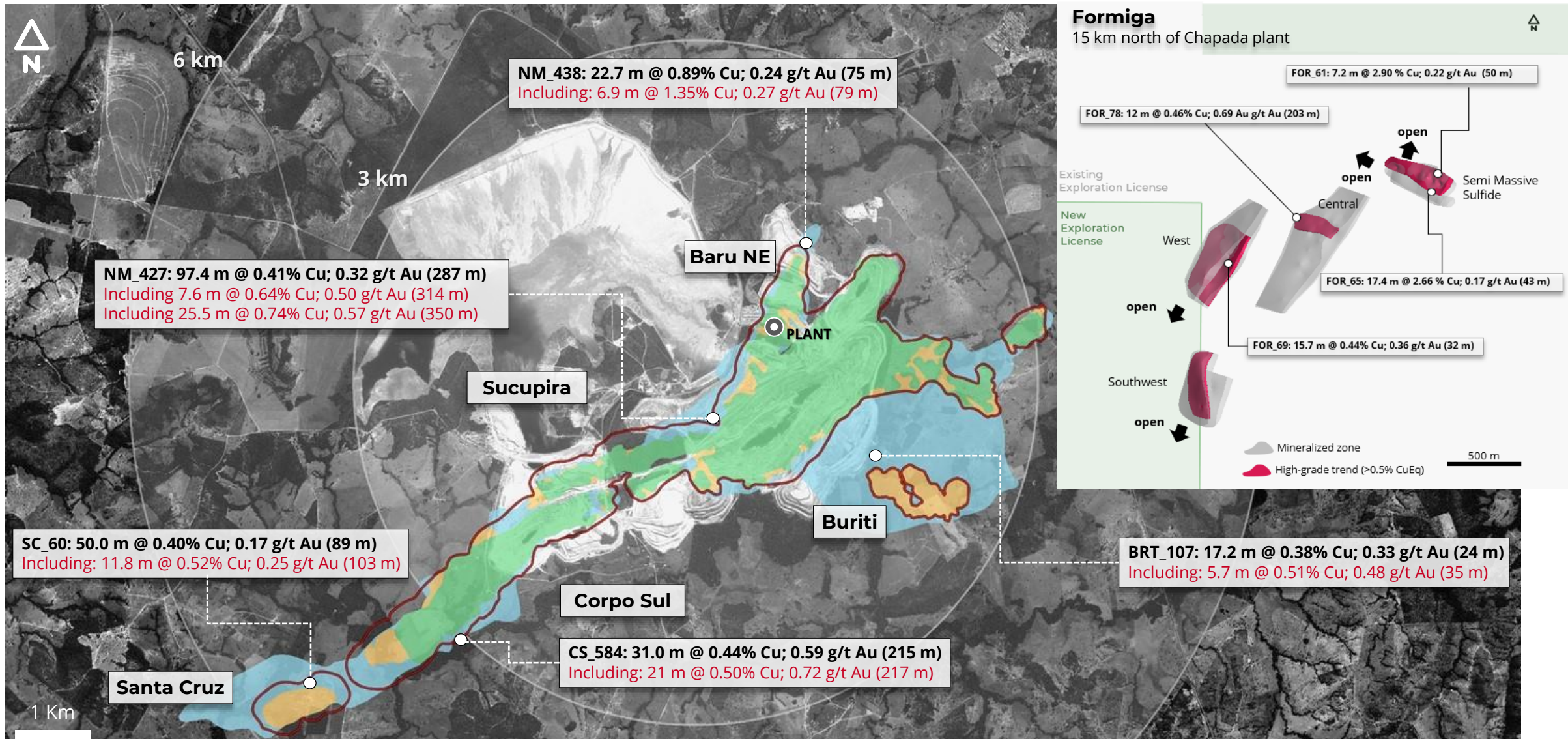
## Copper, Gold Production & Cash Cost Outlook<sup>2</sup> (100% basis; kt Cu, koz Au & \$/lb Cu, net of by-product credits)



2. Copper and gold production and cash cost guidance for 2021 is as outlined in the Management's Discussion and Analysis for the quarter ended September 30, 2021, in the Outlook section. Guidance for 2022 through 2024 is as announced by news release entitled "Lundin Mining Provides Operational Outlook & Update" dated November 22, 2021. Chapada cash costs are calculated on a by-product basis and do not include the effects of its copper stream agreements. Effects of the copper stream agreements are reflected in copper revenue and will impact realized price per pound.

1. Prior production outlook for 2022 & 2023 as announced by news release entitled "Lundin Mining Provides Operational Outlook & Shareholder Returns Update" dated November 30, 2020.

# Chapada Exploration Drilling

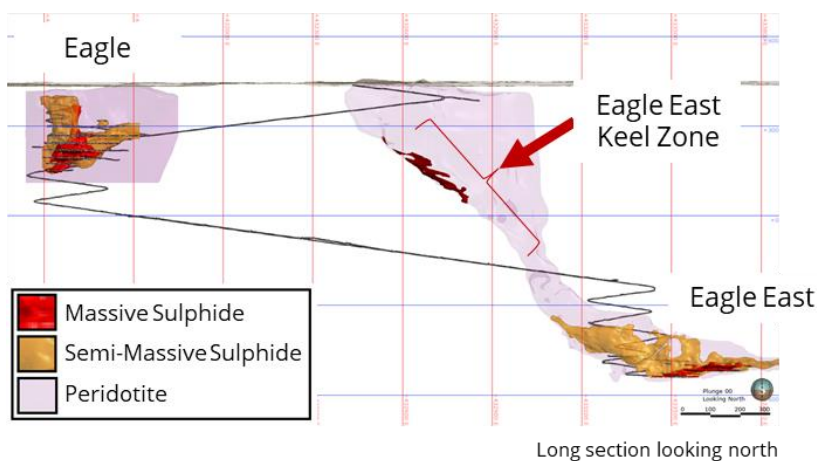


## Cash Generation Continues

- production of 4,124 t of nickel and 4,165 t of copper at cash cost of negative \$0.80/lb nickel in Q3/21
- generated nearly \$245M of operating cash flow in first three quarters of 2021

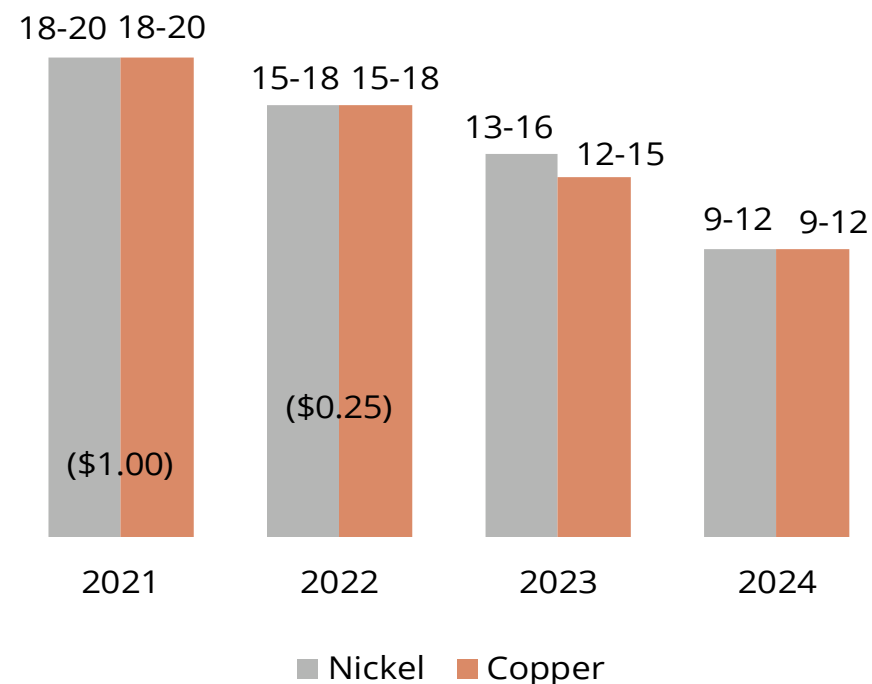
## 3-Year Outlook & Guidance

- nickel and copper production is to be weighted to H2/22 primarily due to the forecast grade profiles
- first quartile cash costs of negative \$0.25/lb of nickel in 2022, considering significant by-product copper credits; YOY increase primarily a reflection of lower volumes
- capital expenditures forecast to total \$10M in 2022
- 2022 exploration expenditure of \$2M
- Eagle East Keel zone not currently included in the Mineral Resource
- technical and economic studies ongoing
- five extension targets identified for drilling from underground in 2022



## Nickel, Copper Production & Cash Cost Outlook<sup>1</sup>

(kt & \$/lb Ni, net of by-product credits)



1. Nickel and copper production and cash cost guidance for 2021 is as outlined in the Management's Discussion and Analysis for the quarter ended September 30, 2021, in the Outlook section. Guidance for 2022 through 2024 is as announced by news release entitled "Lundin Mining Provides Operational Outlook & Update" dated November 22, 2021.

## Shaft Upgrades Completed Successfully

- Q3/21 production of 8,083 t of copper, 15,909 t of zinc and 1,359 t of lead at a cash cost of \$2.05/lb of copper
- 2021 production and cash cost guidance reiterated

## 3-Year Outlook & Guidance

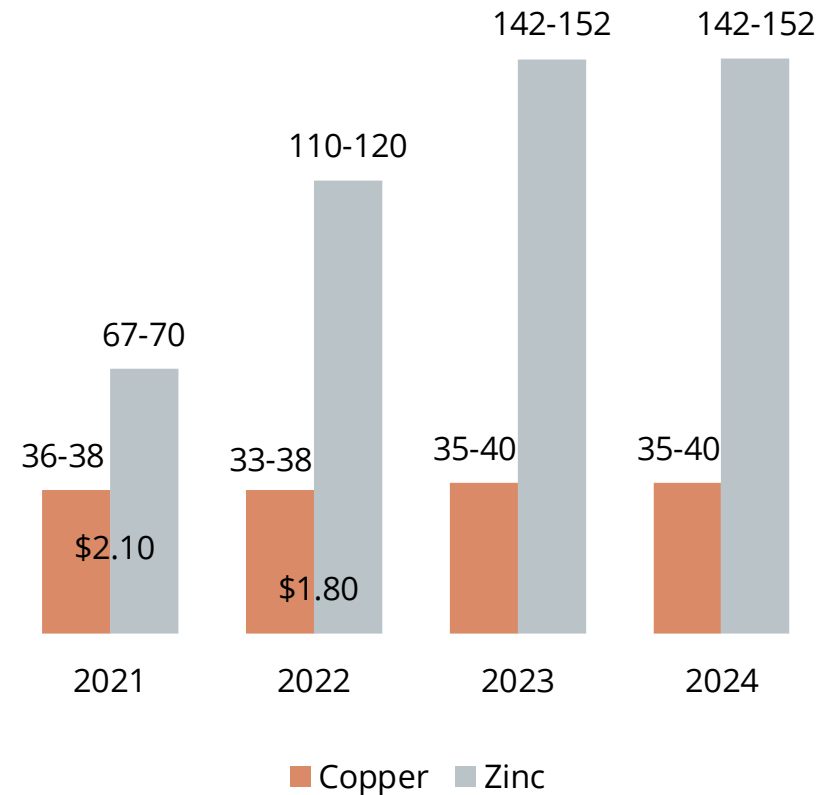
- copper production guidance increased for 2022 and 2023, compared to the prior outlook
- zinc production to increase over 65% in 2022 as production ramp up from the ZEP is completed in H1/22
- cash cost to improve to \$1.80/lb of copper in 2022, after zinc and lead by-product credits; improvement is primarily due to increased zinc production volumes
- capital expenditures to total \$125M in 2022:
  - \$30M expansionary<sup>1</sup> to complete ZEP
  - \$95M sustaining<sup>1</sup>
- 2022 exploration expenditure of \$8M, including over 32,000 m of drilling



Chairman Visit – October 2021

## Copper, Zinc Production & Cash Cost Outlook<sup>2</sup>

(kt & \$/lb Cu, net of by-product credits)



2. Copper and zinc production and cash cost guidance for 2021 is as outlined in the Management's Discussion and Analysis for the quarter ended September 30, 2021, in the Outlook section. Guidance for 2022 through 2024 is as announced by news release entitled "Lundin Mining Provides Operational Outlook & Update" dated November 22, 2021.

1. This is a non-GAAP measure. For historical comparatives see the Historical Non-GAAP Measure Comparatives slide in this presentation. Please also see the Management's Discussion and Analysis for the year ended December 31, 2020, for discussion of non-GAAP measures.

# Neves-Corvo – ZEP Nearing Completion

## Q3/21 Underground Progress

- shaft shutdown upgrade successfully completed
- materials handling mechanical installation completed, including crusher level
- conveyor belt installations, alignment and splicing works completed
- all remaining excavation works commenced including dewater sump and pump station gallery

## Upcoming Works

- complete service water piping installation
- final commissioning of all electrical rooms
- complete remaining materials handling system works, commissioning and handover to operations team

Underground construction photos – Q3/21



Belt and pipe support installation work completed



Transfer tower gearbox assembly



Fire suppression installation in electrical control room



Shaft upgrade mechanical works



Shaft upgrade construction

# Neves-Corvo – ZEP Nearing Completion

## Q3/21 Surface Progress

- cyclones construction and cold commissioning completed
- remaining works commenced, including flotation, filtration and tailings
- 3<sup>rd</sup> tailings paste thickener commissioned

## Upcoming Works

- complete hot commissioning of cyclones with operations team
- finalize all flotation, filtration and tailings works

Surface construction photos – Q3/21



Cyclone energization and cold commissioning



Zinc filtration drive system and filter press works



3<sup>rd</sup> tailings paste thickener commissioned

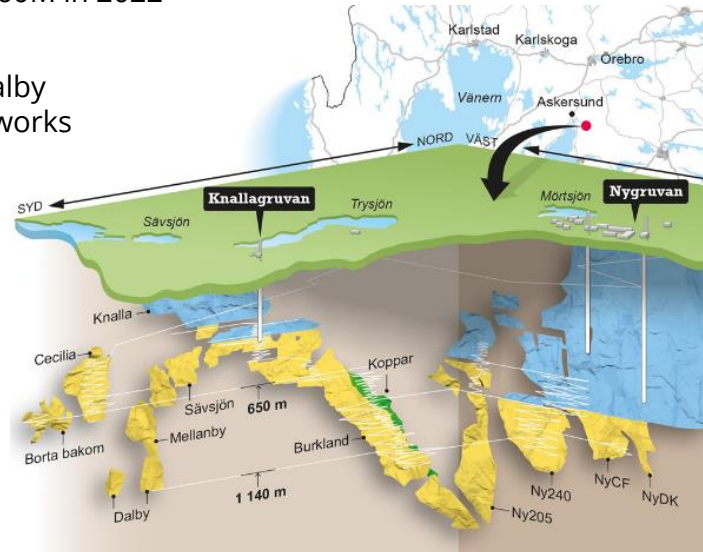
# Zinkgruvan

## Continued Excellent Performance in Q3/21

- production of 22,860 t of zinc, 850 t of copper and 6,952 t of lead at a cash cost of \$0.32/lb of zinc
- mine continued to perform well with grades above plan

## 3-Year Outlook & Guidance

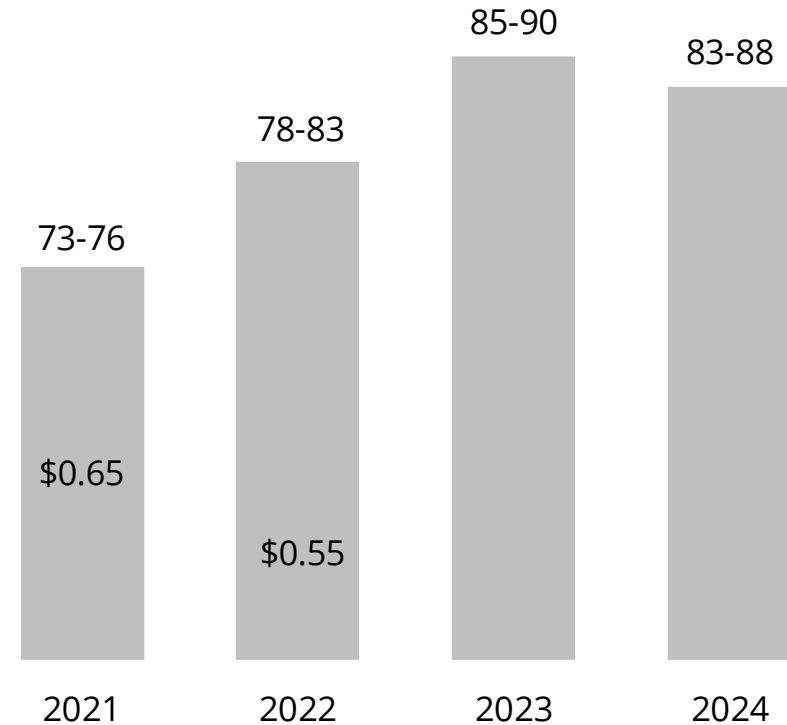
- zinc production guidance increased over prior outlook on refinement of operating plans; forecasting higher head grades and improved metal recoveries
- 2022 cash cost guidance of \$0.55/lb of zinc, after copper and lead by-product credits
- capital expenditures to total \$60M in 2022
- capital works underground development, including the Dalby orebody, equipment and TSF works
- planned 2022 exploration expenditure of \$5M, including over 20,000 m of drilling
- primary focus on Mineral Resource expansion at Dalby and Nygruvan



Zinkgruvan mine Isometric

## Zinc Production & Cash Cost Outlook<sup>2</sup>

(kt & \$/lb Zn, net of by-product credits)



2. Zinc production and cash cost guidance for 2021 is as outlined in the Management's Discussion and Analysis for the quarter ended September 30, 2021, in the Outlook section. Guidance for 2022 through 2024 is as announced by news release entitled "Lundin Mining Provides Operational Outlook & Update" dated November 22, 2021.

# 2021 Guidance Summary<sup>1</sup>

		Production (contained metal in conc.)	C1 Cash Cost <sup>2</sup>
<b>Copper (t)</b>	Candelaria (100%)	150,000 - 155,000	\$1.55 <sup>3</sup>
	Chapada	48,000 - 50,000	\$1.10 <sup>3</sup>
	Eagle	18,000 - 20,000	
	Neves-Corvo	36,000 - 38,000	\$2.10 <sup>3</sup>
	Zinkgruvan	3,000 - 4,000	
	<b>Total</b>	<b>255,000 - 267,000</b>	
<b>Zinc (t)</b>	Neves-Corvo	67,000 - 70,000	
	Zinkgruvan	73,000 - 76,000	\$0.65 <sup>3</sup>
	<b>Total</b>	<b>140,000 - 146,000</b>	
<b>Gold (oz)</b>	Candelaria (100%)	85,000 - 90,000	
	Chapada	73,000 - 76,000	
	<b>Total</b>	<b>158,000 - 166,000</b>	
<b>Nickel (t)</b>	Eagle	18,000 - 20,000	(\$1.00)
	<b>Total</b>	<b>18,000 - 20,000</b>	

## Capital Expenditures (\$M)

### Sustaining

Candelaria (100% basis)	325
Chapada	55
Eagle	20
Neves-Corvo	60
Zinkgruvan	45

**Total Sustaining 505**

**ZEP (Neves-Corvo) 70**

**Total Capital Expenditures<sup>1,2</sup> \$575M**

- \$40M to be invested in 2021 exploration programs; \$30M expended YTD
- over 140,000 m of exploration drilling planned with focus on in and near-mine targets; nearly 114,000 m completed YTD

1. Guidance as most recently reiterated and announced by news release on October 27, 2021.
2. Cash costs are based on various assumptions and estimates, including but not limited to production volumes, as noted above, commodity prices (Cu: \$4.30/lb, Zn: \$1.25/lb, Pb: \$0.95/lb, and Au: \$1,800/oz), foreign exchange rates (€/USD:1.20, USD/SEK:8.50, CLP/USD:730 and USD/BRL:5.10) and operating costs for the remainder of 2021.
3. 68% of Candelaria's total gold and silver production are subject to a streaming agreement, and silver production at Zinkgruvan and Neves-Corvo are also subject to streaming agreements. Cash costs are calculated based on receipt of approximately \$416/oz gold and \$4.16/oz to \$4.48/oz silver. Chapada cash costs are calculated on a by-product basis and do not include the effects of its copper stream agreements. Effects of the copper stream agreements are reflected in copper revenue and will impact realized price per pound.



# 2022 Guidance Summary<sup>1</sup>

		Production (contained metal in conc.)		Cash Cost <sup>2</sup>	Capital Expenditures (\$M)	
<b>Copper (t)</b>	Candelaria (100%)	155,000	- 165,000	\$1.55 <sup>3</sup>	<b>Sustaining Capital</b>	
	Chapada	53,000	- 58,000	\$1.60 <sup>3</sup>		Candelaria (100% basis) 370
	Eagle	15,000	- 18,000			Chapada 65
	Neves-Corvo	33,000	- 38,000	\$1.80 <sup>3</sup>		Eagle 10
	Zinkgruvan	2,000	- 3,000			Neves-Corvo 95
	<b>Total</b>	<b>258,000</b>	<b>- 282,000</b>		Zinkgruvan 60	
					<b>Total Sustaining Capital 600</b>	
<b>Zinc (t)</b>	Neves-Corvo	110,000	- 120,000		<b>Zinc Expansion Project (Neves-Corvo) 30</b>	
	Zinkgruvan	78,000	- 83,000	\$0.55 <sup>3</sup>		
	<b>Total</b>	<b>188,000</b>	<b>- 203,000</b>			
<b>Gold (oz)</b>	Candelaria (100%)	83,000	- 88,000		<b>Total Capital Expenditures<sup>2</sup> \$630M</b>	
	Chapada	70,000	- 75,000			
	<b>Total</b>	<b>153,000</b>	<b>- 163,000</b>			
<b>Nickel (t)</b>	Eagle	15,000	- 18,000	(\$0.25)		
	<b>Total</b>	<b>15,000</b>	<b>- 18,000</b>			

- \$45M to be invested in 2022 exploration programs, including over 170,000 m of drilling

1. Guidance as announced by news release entitled, "Lundin Mining Provides Operational Outlook & Update" dated November 22, 2021. For historical comparatives see the Historical Non-GAAP Measure Comparatives slide in this presentation. Please also see the Management's Discussion and Analysis for the year ended December 31, 2020, for discussion of cash cost, sustaining and expansionary capital expenditures non-GAAP measures.

2. Based on various assumptions and estimates, including but not limited to production volumes, as noted above, commodity prices (Cu: \$3.90/lb, Zn: \$1.15/lb, Pb: \$0.90/lb, Au: \$1,800/oz, and Ag: \$25.00/oz), foreign exchange rates (€/USD:1.20, USD/SEK:8.20, CLP/USD:700 and USD/BRL:5.10) and operating costs.

3. 68% of Candelaria's total gold and silver production are subject to a streaming agreement, and silver production at Zinkgruvan and Neves-Corvo are also subject to streaming agreements. Candelaria cash costs are calculated based on receipt of approximately \$420/oz of gold and \$4.20/oz of silver in the year. Chapada cash costs are calculated on a by-product basis and do not include the effects of its copper stream agreements. Effects of the copper stream agreements are reflected in copper revenue and will impact realized price per pound.



## Tailings Management

- employ a comprehensive and integrated approach to tailings management. This provides confidence that potential environmental and social impacts can be reliably identified and minimized
- our Responsible Mining Management System includes a specific Tailings Management Technical Standard. This standard requires that each operation ensure tailings facilities and major water-retention dams are planned, designed, constructed, operated, decommissioned and closed in such a manner that they are stable. It also ensures that all aspects comply with regulatory requirements, conform to Company standards and accepted international practices and adhere to any commitments made to local stakeholders
- **Lundin Mining is committed to the implementation of the Global Industry Standard on Tailings Management (GISTM), which is the first global standard on tailings management.** Lundin Mining plans to be in full conformance with the GISTM within five years of August 5, 2020

## Our Facilities

**5** Active tailings facilities

**6** Inactive/closed tailings facilities

**39** tailings dam structures across all sites

- of the five Lundin Mining operations, Eagle Mine is the only operation that does not have a constructed tailings impoundment with dams
- the five active tailings facilities use various construction techniques for the main and secondary or perimeter dams, but none use upstream construction
- also maintains and monitors six inactive/closed tailings facilities

A full list of tailings facilities that Lundin Mining manages, including information on tailings management, construction method, maximum dam height and volume, can be found in our [Tailings Management Information Sheet](#) in Our [Approach to Tailings Management](#)



Cerro do Lobo Tailings Facility at Neves-Corvo in Portugal

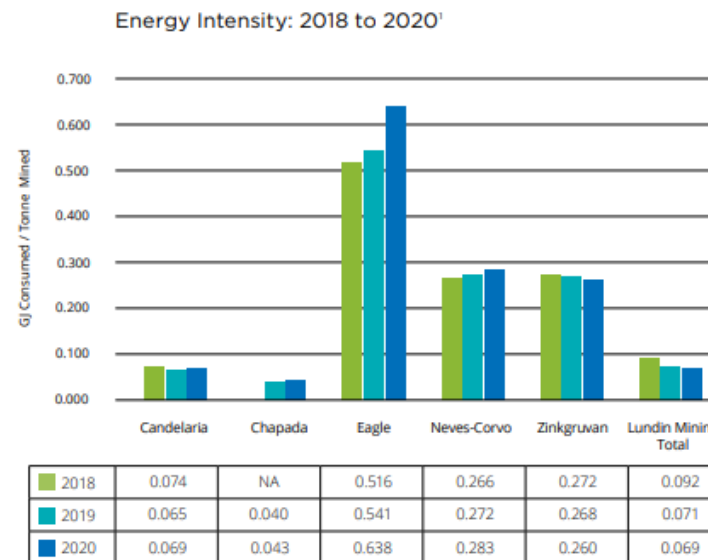
# Responsible Mining

## Climate Change, Energy and CHG Emissions

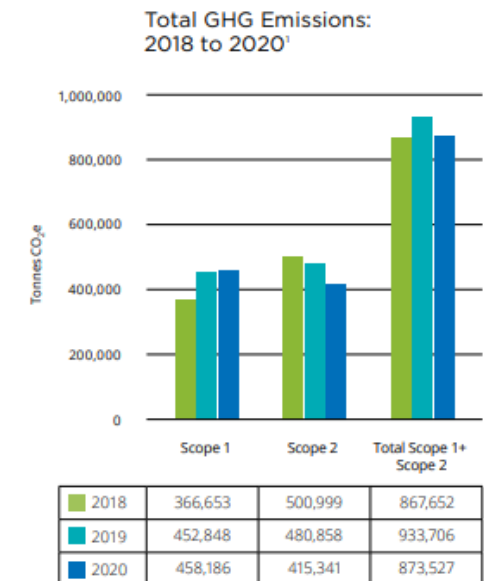
- recognize the need for effective approaches to managing climate-related responsibilities, especially in consideration of the remote locations in which we operate, the energy-intensive nature of our industry, and the sometimes-limited availability of renewable energy in national energy supply
- scoped and developed a corporate climate change adaptation and mitigation planning toolkit that will enhance the resilience of our operations by formalizing site-level, climate-related risk assessments for the development and prioritization of climate adaptation strategies
- Lundin Mining's GHG emissions broadly correlate with our energy consumption trends. Our market-based Scope 2 emissions continue to **benefit from Zinkgruvan's investment in a 100% renewable electricity supply** since 2017 supported by a Guarantee of Origin. In the future, we will also realize the positive effect of **Candelaria's contractual agreement with its supplier for an increase in renewables to a minimum of 80%** in the energy mix, prioritizing wind and solar energy, commencing in 2023
- **decreasing trend in energy intensity and GHG emissions intensity, per tonne rock mined, since 2016 has continued.** Chapada has the lowest intensity levels arising from the movement of significant quantities of material over relatively short distances. Candelaria's low energy intensity levels also reflect the large tonnage of ore and waste rock excavated. Our remaining underground operations do not benefit from such efficiencies of scale, especially those located in colder climates that require additional energy for heating

### Retain an Above Average 'B' CDP Score

- we report annually to the CDP Climate Change and Forestry programs, aligned with the Task Force on Climate-related Financial Disclosures
- retained an above average 'B' score again in 2020, a significant achievement within the context of a North America regional average score of 'D' and a metallic mineral mining sector average score of 'C'



<sup>1</sup> Chapada data included from July 2019.



<sup>1</sup> Chapada data included from July 2019.

## Water Stewardship

- continue to make water stewardship gains, achieving measurable reductions in freshwater use and increases in water re-use in 2020
- committed to improvements in water assessment and management practices, evaluating water-use efficiency, initiatives to prevent unnecessary pressure on shared resources and measures to minimize environmental and social impacts
- all operations continuously seek to improve their site water balances and water management plans, implementing comprehensive water management planning processes
- future efforts in water management will include an increased focus on the resilience of site water management infrastructure, and processes and procedures concerning the potential for more frequent and extreme weather events in changing climatic environments

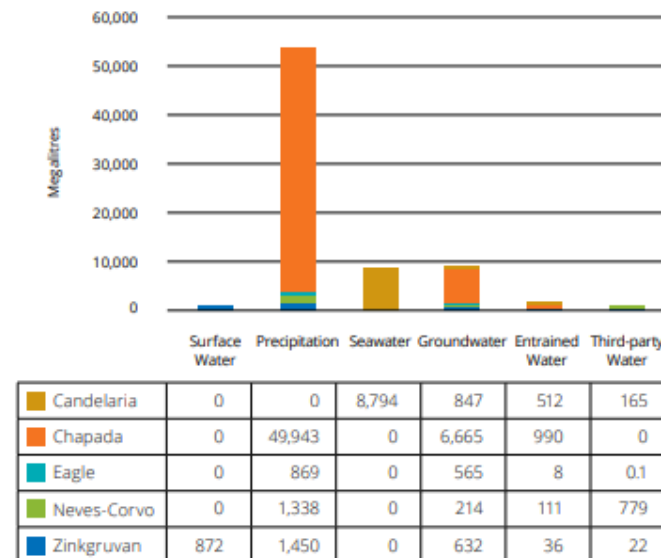
## Candelaria’s operational water requirements met entirely through supply from its sea water desalination facility



Candelaria desalination facility

- the operation maintains a strong focus on water use efficiency
- use of treated municipal wastewater ceased 2019, significantly earlier than the 2027 regulatory requirement, enabling these resources to be redirected to other uses in this water-scarce region

Water Withdrawal by Operation and Source 2020



# Dividend Framework<sup>1</sup>

## Peer-Leading Regular Dividend

- regular dividend increased 50% to C\$0.09/share per quarter or C\$0.36/share annualized
- 125% increase over the December 2020 dividend payment
- sustainable throughout the cycle; declared and payable quarterly

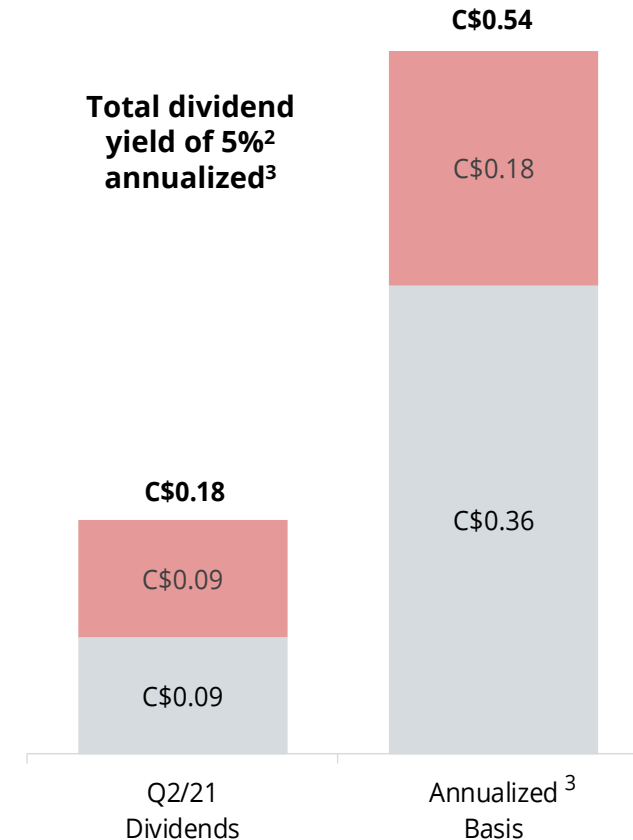
## Inaugural Performance Dividend

- H1/21 performance dividend of C\$0.09 per share declared
- targeting a minimum return of 40% available cash flow, less regular dividend payments over prior six-month period. Available cash flow is defined as operating cash flow after capital investments, contingent payments and distributions to partners
- declared and payable semi-annually

H1/21 Performance Dividend	Six Months Ended June 30, 2021
Operating cash flow	\$578M
less capital investments	\$244M
less contingent payments	-
less distributions to partners	\$16M
Available cash flow	\$318M
Target minimum return of 40%	\$127M
less regular dividend payments	\$71M
<b>Performance dividend</b>	<b>approximately \$56M or C\$0.09/sh</b>

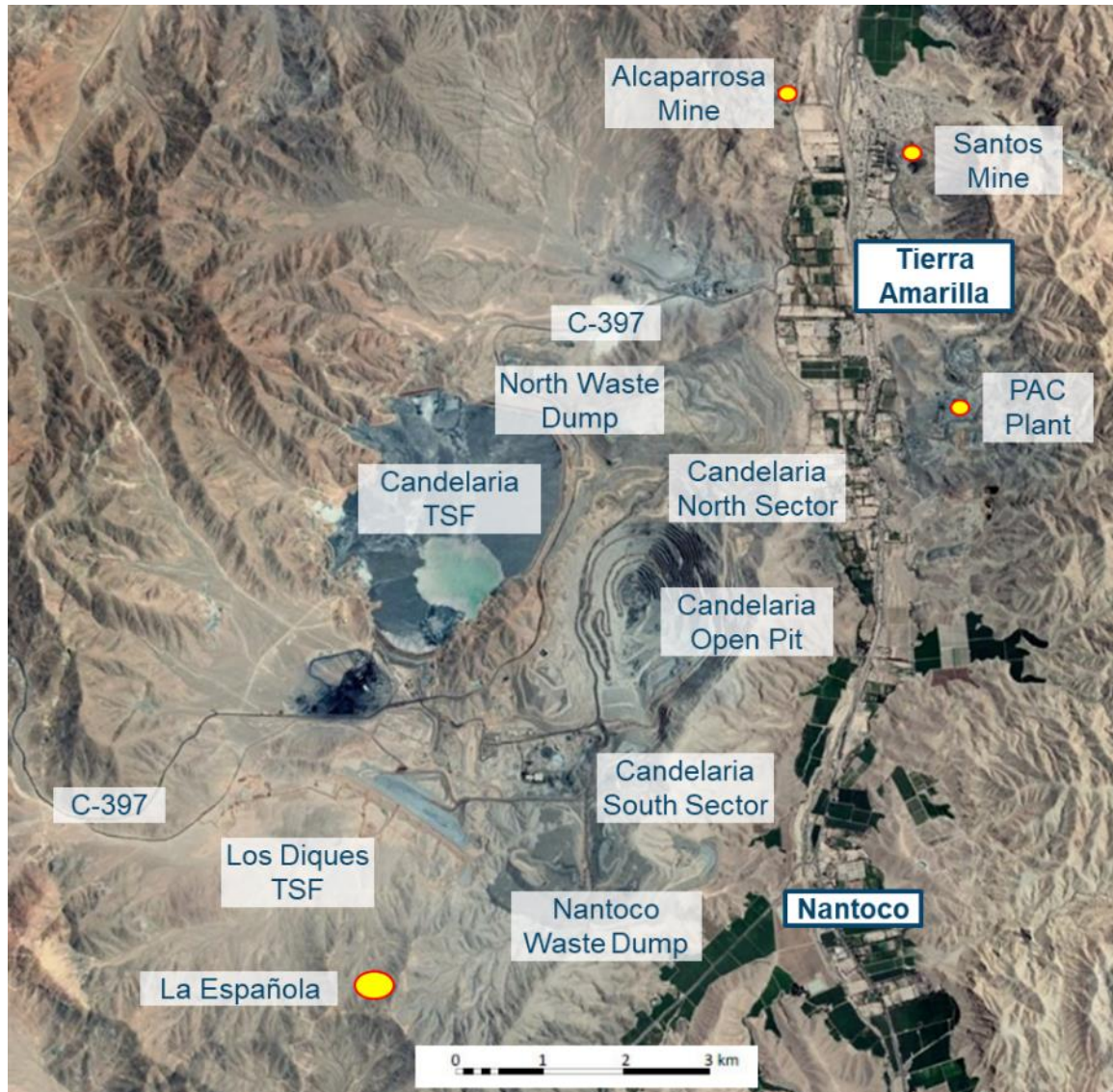
## Dividend Payout (C\$/share)

■ Base Dividend ■ Performance Dividend



1. Lundin Mining's dividend framework is non-binding. Dividends are at the discretion of and to be declared by the Board of Directors.  
 2. Based on Lundin Mining's November 22, 2021 closing share price of C\$10.70 per share.  
 3. Presented on annualized basis for illustrative purposes only.

# Candelaria Complex – Mineral Resources and Mineral Reserves<sup>1</sup>



Candelaria Copper Mining Complex

Ownership	80%
Location	Region III, Chile
Mine life	+20 years
2021 exploration budget	\$13M

P&P Copper Mineral Reserves	3,583 kt contained (675,574 kt at 0.53%)
M&I Copper Mineral Resources	7,854 kt contained (1,244,543 kt at 0.63%)
Inferred Copper Mineral Resources	740 kt contained (99,029 kt at 0.75%)

P&P Gold Mineral Reserves	2.7 Moz contained (675,574 kt at 0.12 g/t)
M&I Gold Mineral Resources	5.6 Moz contained (1,244,543 kt at 0.14 g/t)
Inferred Gold Mineral Resources	0.5 Moz contained (99,029 kt at 0.16 g/t)

P&P Silver Mineral Reserves	39 Moz contained (675,574 kt at 1.79 g/t)
M&I Silver Mineral Resources	83 Moz contained (1,244,543 kt at 2.1 g/t)
Inferred Silver Mineral Resources	7 Moz contained (99,029 kt at 2.3 g/t)

1. For more information please refer to the Company's Technical Report for the Candelaria Copper Mining Complex, November 28, 2018 and the Company's news release dated September 13, 2021 entitled "Lundin Mining Announces 2021 Mineral Resource and Mineral Reserve Estimates" on the Company's website ([www.lundinmining.com](http://www.lundinmining.com)). See also slide 28.

# Chapada – Mineral Resources and Mineral Reserves<sup>1</sup>



Source: Google Earth

Ownership	100%
Location	Goiás State, Brazil
Mine life	+30 years
2021 exploration budget	\$16M
P&P Copper Mineral Reserves	1,710 kt contained (754,870 kt at 0.23%)
M&I Copper Mineral Resources	2,508 kt contained (1,075,009 kt at 0.23%)
Inferred Copper Mineral Resources	473 kt contained (209,102 kt at 0.23%)
P&P Gold Mineral Reserves	4.4 Moz contained (820,065 kt at 0.16 g/t)
M&I Gold Mineral Resources	7.3 Moz contained (1,222,526 kt at 0.18 g/t)
Inferred Gold Mineral Resources	0.7 Moz contained (221,667 kt at 0.10 g/t)

1. For more information please refer to the Company's Technical Report on the Chapada Mine, Goiás State, Brazil dated October 10, 2019 and the Company's news release dated September 13, 2021 entitled "Lundin Mining Announces 2021 Mineral Resource and Mineral Reserve Estimates" on the Company's website ([www.lundinmining.com](http://www.lundinmining.com)). Mineral Resources are based on the summation of Chapada and Suruca gold only. See also slide 28.



# Eagle Mine – Mineral Resources and Mineral Reserves<sup>1</sup>

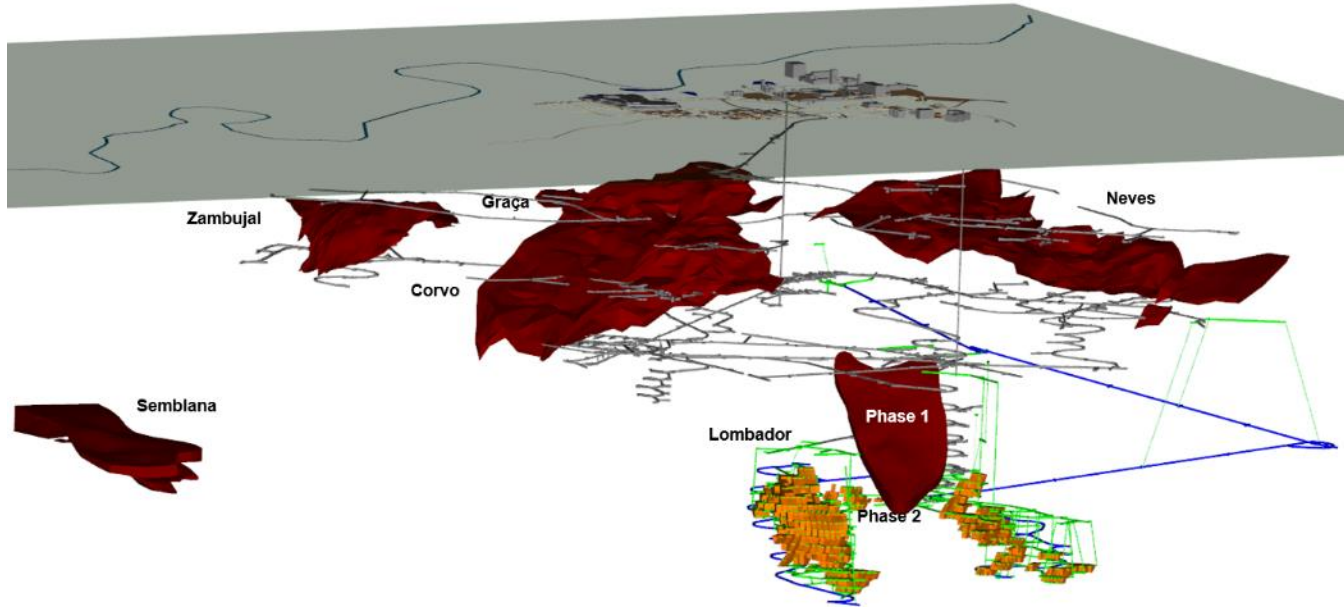


Eagle Mine

Ownership	100%
Location	Michigan, USA
Mine life	5 years
P&P Nickel Mineral Reserves	77 kt contained (3,280 kt at 2.4%)
M&I Nickel Mineral Resources	83 kt contained (3,055 kt at 2.7%)
P&P Copper Mineral Reserves	64 kt contained (3,280 kt at 1.9%)
M&I Copper Mineral Resources	68 kt contained (3,055 kt at 2.2%)
Inferred Nickel Mineral Resources	- kt contained (18 kt at 1.0%)
Inferred Copper Mineral Resources	- kt contained (18 kt at 1.0%)

1. For more information please refer to the Company's Technical Report on the Eagle Mine dated April 26, 2017 and the Company's news release dated September 13, 2021 entitled "Lundin Mining Announces 2021 Mineral Resource and Mineral Reserve Estimates" on the Company's website ([www.lundinmining.com](http://www.lundinmining.com)). See also slide 28.

# Neves-Corvo – Mineral Resources and Mineral Reserves<sup>1</sup>



Schematic of Neves-Corvo Mine highlighting ZEP development and mining areas

Ownership	100%
Location	Alentejo region, Portugal
Mine life	+10 years
2021 exploration budget	\$4M
P&P Zinc Mineral Reserves	1,858 kt contained (24,774 kt at 7.5%)
M&I Zinc Mineral Resources	4,702 kt contained (68,352 kt at 6.9%)
Inferred Zinc Mineral Resources	230 kt contained (4,071 kt at 5.7%)
P&P Copper Mineral Reserves	537 kt contained (25,090 kt at 2.1%)
M&I Copper Mineral Resources	1,370 kt contained (60,008 kt at 2.3%)
Inferred Copper Mineral Resources	231 kt contained (12,681 kt at 1.8%)
Inferred Semblana Copper Mineral Resources	223 kt contained (7,807 kt at 2.9%)

1. For more information refer to the NI 43-101 Technical Report for the Neves-Corvo Mine, Portugal dated June 23, 2017 and the Company's news release dated September 13, 2021 entitled "Lundin Mining Announces 2021 Mineral Resource and Mineral Reserve Estimates" on the Company's website ([www.lundinmining.com](http://www.lundinmining.com)). See also slide 28.

# Zinkgruvan – Mineral Resources and Mineral Reserves<sup>1</sup>



Zinkgruvan Mine

Ownership	100%
Location	Askersund, Sweden
Mine life	+10 years
2021 exploration budget	\$6M
P&P Zinc Mineral Reserves	808 kt contained (10,270 kt at 7.9%)
M&I Zinc Mineral Resources	1,644 kt contained (20,338 kt at 8.1%)
Inferred Zinc Mineral Resources	1,136 kt contained (14,194 kt at 8.0%)
P&P Copper Mineral Reserves	45 kt contained (2,214 kt at 2.0%)
M&I Copper Mineral Resources	86 kt contained (4,011 kt at 2.1%)
Inferred Copper Mineral Resources	4 kt contained (217 kt at 1.7%)

1. For more information please refer to the Company's Technical Report entitled NI 43-101 Technical Report for the Zinkgruvan Mine, Central Sweden dated November 30, 2017 and the Company's news release dated September 13, 2021 entitled "Lundin Mining Announces 2021 Mineral Resource and Mineral Reserve Estimates" on the Company's website ([www.lundinmining.com](http://www.lundinmining.com)). See also slide 28.

# NI 43-101 Compliance

Unless otherwise indicated, Lundin Mining Corporation (the "Company") has prepared the technical information in this presentation including Mineral Reserve and Mineral Resource estimates ("Technical Information") based on information contained in the technical reports and news releases (collectively the "Disclosure Documents") available under the Company's profile on SEDAR at [www.sedar.com](http://www.sedar.com). Each Disclosure Document was prepared by or under the supervision of a qualified person ("Qualified Person") as defined in National Instrument 43-101 – Standards of Disclosure for Mineral Projects of the Canadian Securities Administrators ("NI 43-101"). For readers to fully understand the information in this presentation, they should read the technical reports identified below in their entirety, including all qualifications, assumptions and exclusions that relate to the information set out in this presentation which qualifies the Technical Information. Readers are advised that Mineral Resource estimates that are not Mineral Reserves do not have demonstrated economic viability. The Disclosure Documents are each intended to be read as a whole, and sections should not be read or relied upon out of context. The Technical Information is subject to the assumptions and qualifications contained in the Disclosure Documents.

The Technical Information in this presentation has been prepared in accordance NI 43-101 and has been reviewed and approved by Jeremy Weyland, P.Eng., Acting Vice President, Technical Services of the Company, a "Qualified Person" under NI 43-101. Mr. Weyland has verified the data disclosed in this presentation and no limitations were imposed on his verification process.

Mineral Resource and Mineral Reserve estimates of the Company are shown on a 100 percent basis for each mine. The Measured and Indicated Mineral Resource estimates are inclusive of those Mineral Resource estimates modified to produce the Mineral Reserve estimates. All estimates of the Company are prepared as at June 30, 2021. Estimates for all operations are prepared by or under the supervision of a Qualified Person as defined in NI 43-101 or have been audited by independent Qualified Persons on behalf of the Company. The technical and scientific information has been prepared in accordance with NI 43-101 and has been reviewed and verified by Graham Greenway, P.Geo, Group Resource Geologist, Lundin Mining, who is a "Qualified Person" under NI 43-101.

Mineral Reserves for all active mines have been estimated using metal prices of US\$3.00/lb copper, US\$1.00/lb zinc, US\$0.95/lb lead, US\$6.50/lb nickel and US\$1,500/oz gold. Exchange rates used were EUR/USD 1.25, USD/SEK 7.50, USD/CLP 620 and USD/BRL 4.25. For the Suruca gold deposit Mineral Reserve, the metal prices used were US\$3.00/lb copper and US\$1,250/oz gold and an exchange rate of USD/BRL 3.95.

Candelaria and La Española open pit Mineral Resource estimates are reported within a conceptual pit shell based on metal prices of US\$3.45/lb copper and US\$1,500/oz gold with cut-off grades of 0.15% and 0.17% copper, respectively. Candelaria underground Mineral Resources are estimated at a cut-off grade of 0.45% copper within confining grades shells of 0.4% copper. Mineral Reserves for the Candelaria open pit, Española open pit and underground for the Candelaria property are estimated at cut-off grades of 0.16%, 0.19% and 0.50% copper, respectively. Underground Mineral Reserves for the Ojos del Salado property, Santos and Alcaparrosa mines, are estimated at cut-off grades of 0.55% copper and 0.60% copper respectively. Chapada and Suruca SW copper-gold Mineral Resource estimates are reported within a conceptual pit shell based on metal prices of US\$3.45/lb copper and US\$1,725/oz gold and at a variable Net Smelter Return (NSR) marginal cut-off averaging US\$5.15 per tonne. For the Suruca gold only Mineral Resource estimates, cut-off grades of 0.16g/t gold for oxides and 0.23g/t for sulphides were used. Mineral Reserves for the Chapada open pit are estimated at a NSR cut-off of US\$5.15 per tonne. For the Suruca gold only Mineral Reserve estimates cut-off grades of 0.19g/t gold for oxides and 0.30g/t for sulphides are used. Eagle Mineral Resources and Reserves are reported above a fixed NSR cut-off of US\$123/t. The Eagle East Mineral Resources are reported within constraining grade shells based on a fixed NSR cut-off of US\$142/t and the Mineral Reserves are reported above US\$142/t for long-hole stopes and US\$152/t for cut-and-fill stopes. The NSR is calculated on a recovered payable basis considering nickel, copper, cobalt, gold and PGM grades, metallurgical recoveries, prices and realization costs. The Neves-Corvo Mineral Resources are reported within geological volumes based on a nominal NSR copper cut-off value of EUR 32.85/t (grade equivalent to 1.0% copper), and the zinc Mineral Resources are reported within geological volumes based on a nominal NSR zinc cut-off value of EUR 30.55/t (grade equivalent to 4.5% zinc). The Neves-Corvo copper and zinc Mineral Reserve estimates have been calculated using variable NSR values based on area and mining method. The NSR is calculated on a recovered payable basis considering copper, lead, zinc and silver grades, metallurgical recoveries, prices and realization costs. The Neves-Corvo copper Mineral Reserves are estimated above a site average cut-off of EUR 44.4/t (grade equivalent to 1.41% copper). For Neves-Corvo zinc Mineral Reserve estimates a site average cut-off of EUR 45.4/t (grade equivalent to 5.40% zinc) is used. The Mineral Resources at Semblana are estimated above a cut-off grade of 1.0% copper. The Zinkgruvan zinc Mineral Resources are estimated within optimized stope volumes, using a 3.5 m minimum mining width, based on an area dependent marginal NSR cut-off between SEK 475/t and SEK 540/t. The Zinkgruvan copper Mineral Resource estimates are reported within optimized stope volumes above a cut-off NSR values of SEK 475/t. The Zinkgruvan zinc and copper Mineral Reserves are estimated above area-dependent full-cost breakeven NSR cut-off values of between SEK 665/t and SEK 845/t NSR. The NSR is calculated on a recovered payable basis considering copper, lead, zinc and silver grades, metallurgical recoveries, prices and realization costs. Refer to the Company's news release dated September 13, 2021 entitled "Lundin Mining Announces 2021 Mineral Resource and Mineral Reserve Estimates" on the Company's website at [www.lundinmining.com](http://www.lundinmining.com).

For further Technical Information on the Company's material properties, refer to the following technical reports, each of which is available on the Company's SEDAR profile at [www.sedar.com](http://www.sedar.com):

Candelaria: technical report entitled Technical Report for the Candelaria Copper Mining Complex, Atacama Region, Region III, Chile dated November 28, 2018.

Chapada: technical report entitled Technical Report on the Chapada Mine, Goiás State, Brazil dated October 10, 2019

Neves-Corvo: technical report entitled NI 43-101 Technical Report for the Neves-Corvo Mine, Portugal dated June 23, 2017.

Zinkgruvan: technical report entitled NI 43-101 Technical Report for the Zinkgruvan Mine, Central Sweden dated November 30, 2017.

Eagle Mine: technical report entitled Technical Report on the Eagle Mine, Michigan, U.S.A. dated April 26, 2017.

# Historical Non-GAAP Measure Comparatives

<b>Cash Cost<sup>1</sup></b>	<b>2020</b>	<b>Capital Expenditures (\$ millions)</b>	<b>2020</b>
<b>Copper</b>		<b>Sustaining Capital<sup>1</sup></b>	
Candelaria	\$1.45	Candelaria (100% basis)	216
Chapada	\$0.29	Chapada	39
Neves-Corvo	\$2.09	Eagle	11
<b>Zinc</b>		Neves-Corvo	63
Zinkgruvan	\$0.52	Zinkgruvan	37
<b>Nickel</b>		<b>Total Sustaining Capital</b>	<b>367</b>
Eagle	\$0.10	<b>Zinc Expansion Project (Neves-Corvo)<sup>1</sup></b>	<b>63</b>
		<b>Total Capital Expenditures</b>	<b>\$430M</b>

1. This is a non-GAAP measure. See the Management's Discussion and Analysis for the year ended December 31, 2020, for discussion of non-GAAP measures.

**lundin mining**