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Copper, Nickel & Precious Metals in the U.S.

March 2014



Cautionary Statement



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This presentation contains certain forward-looking statements concerning anticipated developments in PolyMet Mining Corp. ("PolyMet")'s operations in the future. Forward-looking statements are frequently, but not always, identified by words such as "expects," "anticipates," "believes," "intends," "estimates," "potential," "possible," "projects," "plans," and similar expressions, or statements that events, conditions or results "will," "may," "could," or "should" occur or be achieved or their negatives or other comparable words. These forward-looking statements may include statements regarding our beliefs related to the expected project timelines, exploration results and budgets, reserve estimates, mineral resource estimates, continued relationships with current strategic partners, work programs, capital costs and expenditures, actions by government authorities, including changes in government regulation, the market price of natural resources, estimated production rates, costs, ability to receive environmental and operating permits, construction costs and hours created, job creation and other economic benefits, or other statements that are not a statement of fact.

Forward-looking statements address future events and conditions and therefore involve inherent known and unknown risks and uncertainties. These risks, uncertainties and other factors include, but are not limited to, adverse general economic conditions, operating hazards, inherent uncertainties in interpreting engineering and geologic data, fluctuations in commodity prices and prices for operational services, government regulation and foreign political risks, fluctuations in the exchange rate between Canadian and US dollars and other currencies, as well as other risks commonly associated with the industry. Actual results may differ materially from those in the forward-looking statements due to risks facing PolyMet or due to actual facts differing from the assumptions underlying its predictions.

In connection with the forward-looking information contained in this presentation, PolyMet has made numerous assumptions, regarding, among other things: the geological, metallurgical, engineering, financial and economic advice that PolyMet has received is reliable, and is based upon practices and methodologies which are consistent with industry standards. While PolyMet considers these assumptions to be reasonable, these assumptions are inherently subject to significant uncertainties and contingencies.

PolyMet's forward-looking statements are based on the beliefs, expectations and opinions of management on the date the statements are made, and PolyMet does not assume any obligation to update forward-looking statements if circumstances or management's beliefs, expectations and opinions should change.

Specific reference is made to PolyMet's most recent Annual Report on Form 20-F for the fiscal year ended January 31, 2013 and in our other filings with Canadian securities authorities and the U.S. Securities and Exchange Commission, including our Report on Form 6-K providing information with respect to our operations for the three months ended October 31, 2013 for a discussion of some of the risk factors and other considerations underlying forward-looking statements.

PolyMet's financial statements have been prepared in accordance with International Financial Reporting Standards ("IFRS"). All amounts are in U.S. funds.

Overview

- **Located in established Mesabi mining district**
- **100% of NorthMet Project – Ore Body & Erie Plant**
 - Copper-nickel-platinum group metals (PGMs)
 - Global resource = 1.2 billion tons, mine plan = 231 mm tons
 - Erie Plant & associated infrastructure is adjacent to ore body
 - Low initial capital costs & staged development
- **Initial Concentrate Production**
 - Glencore will purchase all production on market terms
 - Separate copper and nickel-PGM concentrates (Phase I)
 - Nickel-PGM concentrate can be upgraded (Phase II)
- **Advanced stage environmental review**
 - Permitting 20 year operating plan
 - Using one-third of existing Erie Plant capacity
 - Strong community support
- **Well financed**
 - Over-subscribed \$60 million Rights Offering – July 2013
 - Strategic alliance with Glencore - \$140 million invested



Experienced Management



Jon Cherry

President, CEO, Director

Leader in mining environmental policy and new mining projects, 20 years with Rio Tinto in the U.S. 23 years experience in the industry

Douglas Newby

Chief Financial Officer

Mine finance expert, former Chairman/CEO of Western Goldfields (now New Gold) ~30 years experience

Joe Scipioni

Chief Operating Officer

Engineer, 30 years with US Steel, community leader in northern Minnesota

Brad Moore

Executive VP - Environmental and Government Affairs

Permitting and regulatory expert, former senior Minnesota government official

Andy Clark

VP - Project Development

Engineer +35 years experience in mine and project construction. Formerly with Bateman Engineers

Andrew Ware

Chief Geologist

Expert on the Duluth Complex and the mid-Continent Rift, broad experience in SE Asia and Mexico. 25 years with Rio Tinto

NorthMet Project Location

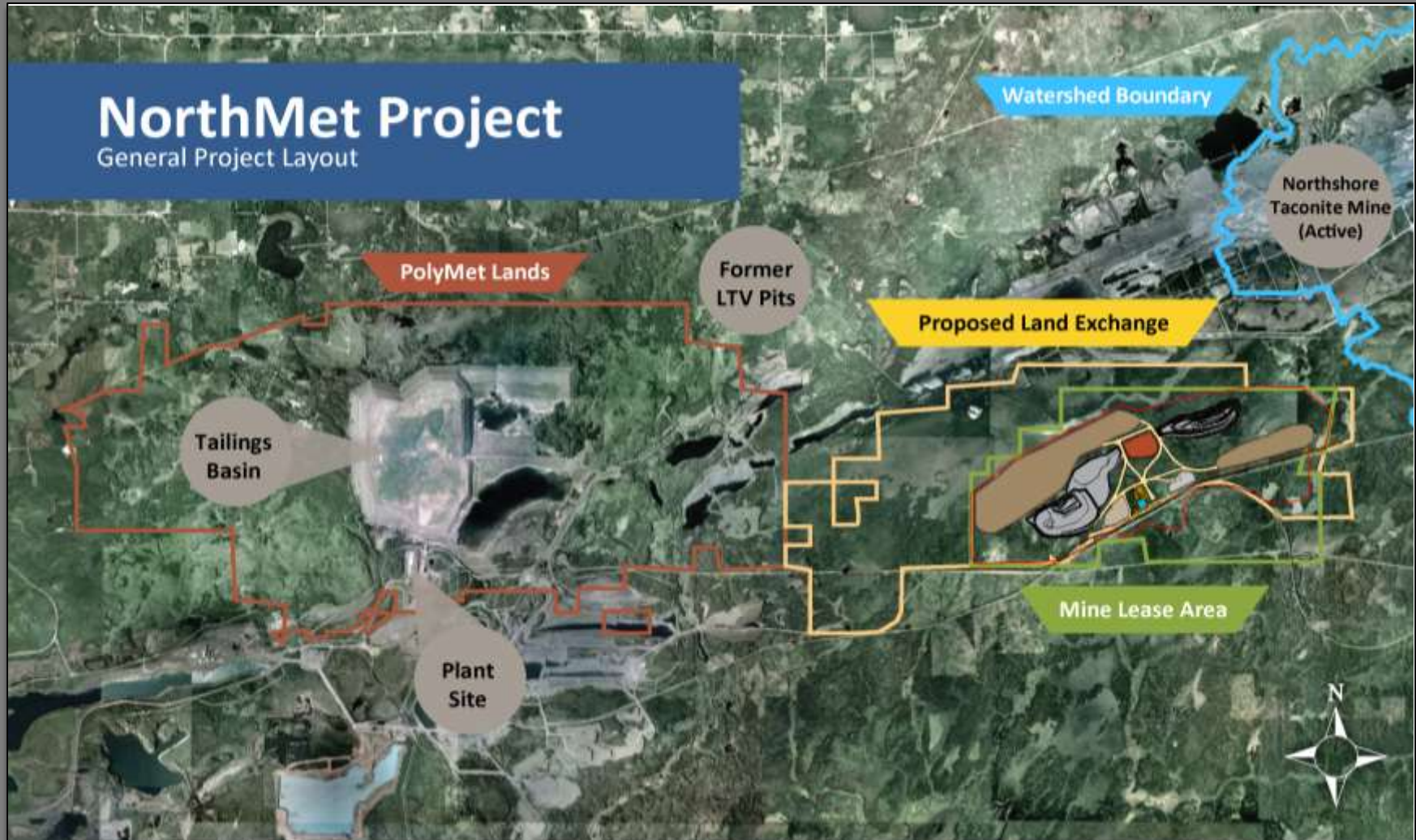


- ▲ Project is located in the established Mesabi Iron Range mining corridor
- ▲ NorthMet is not located in the Boundary Waters watershed

NorthMet Project



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Existing Infrastructure In Place



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Tailings basin
Water System

Road and Railroad
Electrical System

Crushing and Grinding Mills
Warehouses and workshops

Mill Capacity



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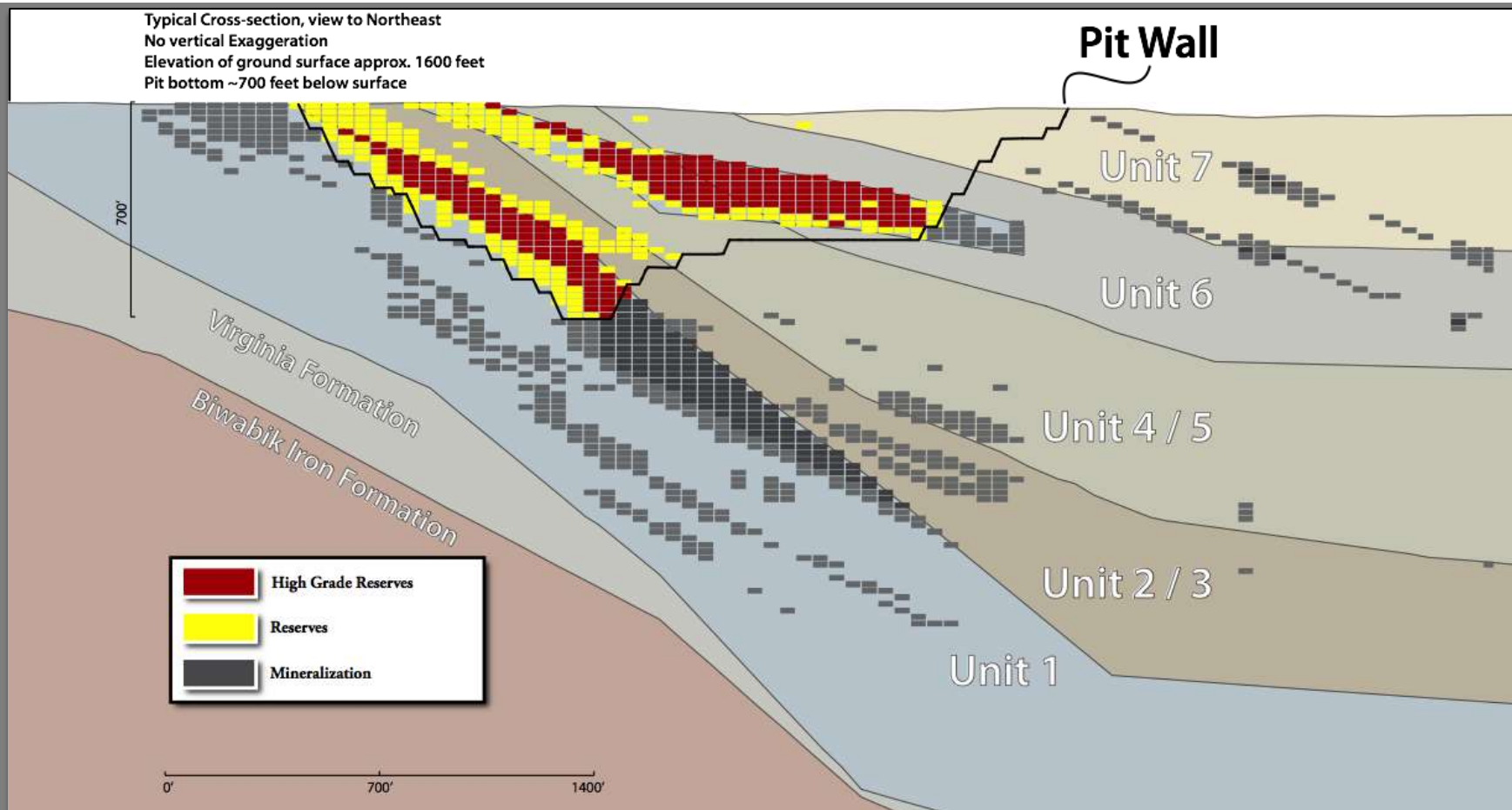


34 parallel circuits – operating plan uses only 12
Each circuit ~ 3,000 tons per day capacity

NorthMet Ore body



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Disseminated, polymetallic deposit

Low strip (waste:ore) ratio (1.4:1 life-of-mine), minimal over-burden, based on \$1.25/lb copper

Reserves and Resources

Global resource = 15.4 billion pounds copper equivalent

Measured & indicated resource = 10.3 billion pounds copper equivalent

Mine plan = 3.6 billion pounds copper equivalent at \$1.25/lb copper cutoff

	Tonnage		Copper Equivalent (1)	
	million st	million mt	(%)	m lbs
Global Resource (2)				
Measured	234.4	212.6	0.73%	3,431
Indicated	654.2	593.5	0.63%	8,202
M + I	888.6	806.1	0.65%	11,633
Inferred	289.6	262.7	0.66%	3,813
TOTAL	1,178.2	1,068.8	0.66%	15,447
Mineral Resources (3)				
Measured	202.5	183.7	0.79%	3,204
Indicated	491.7	446.1	0.72%	7,052
M + I	694.2	629.8	0.74%	10,256
Inferred	229.7	208.4	0.75%	3,446
TOTAL	923.9	838.1	0.74%	13,701
Reserves	274.7	249.2	0.79%	4,340
Mine Plan (4)	231.1	209.7	0.77%	3,565
Notes				
1 Metals converted to copper based on 2008 DFS Update metal prices				
2 0.1% copper cut-off				
3 \$7.42/lb net metal value cut-off - January 2013 43-101 (\$1.25/lb copper)				
4 20-year mine plan subject to permit applications (\$1.25/lb copper)				

Production/Project Economics

- **Production rate**

- 32,000 tons of ore per day
- 72 million pounds of copper per year
- 15 million pounds of nickel per year
- 106,000 oz combined precious metals per year

- **Low Capital and Operating Costs**

- \$312 million initial capital costs
- Copper cash cost \$1.05/lb – co-product basis
Copper cash cost \$(0.28)/lb – byproduct basis
- Based on 2008 DFS Update

- **Robust Economics**

- After tax IRR: 30.6%
- Annual EBITDA: \$217 million
- Based on 2008 DFS Update

LME Metal Prices - US\$

	SEC 3-yr average to 6.30.2013		2008 DFS Update			
Copper	3.71	/lb	8,179	/t	2.90	/lb
Nickel	9.02	/lb	19,886	/t	12.20	/lb
Cobalt	15.38	/lb	33,907	/t	23.50	/lb
Palladium	678	/oz			320	/oz
Platinum	1,620	/oz			1,230	/oz
Gold	1,549	/oz			635	/oz



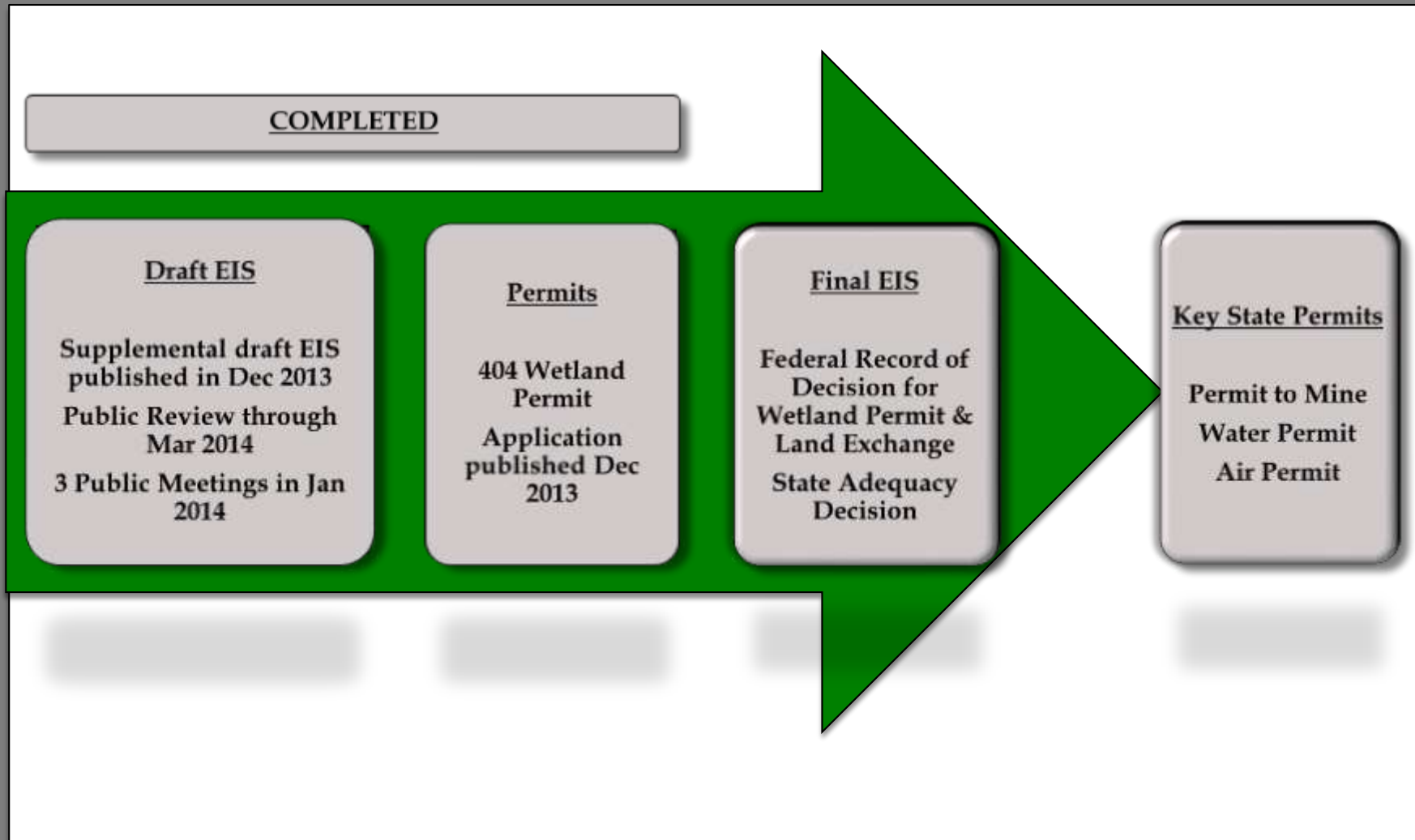
Environmental Impact Statement



- **Supplemental draft EIS published December 6, 2013**
- **Public review end mid-March 2014**
- **Government Agencies**
 - Co-lead (responsible for preparing and writing EIS):
 - Minnesota Department of Natural Resources
 - US Army Corps of Engineers (Wetlands)
 - US Forest Service (Land Exchange)
 - Cooperating:
 - US Environmental Protection Agency (since 2011)
 - Tribal Governments
- **EPA Review**

“The EPA appreciates the collaborative and constructive discussions... we have covered all the areas where the EPA had questions or comment. You [the co-lead agencies] have asked that we provide written comments and recommendations confirming our previous discussions to bring any remaining issues to closure... in preparing the SDEIS for public review and comment that will clearly and adequately describe the project.”

Path Forward to Permits



Glencore Strategic Relationship



- **Investment to-date**

- \$31.6 million (including capitalized interest) loan exchangeable into shares at \$1.29 per share
 - PolyMet can force conversion at permitting/ construction finance
- \$96 million equity at \$1.38 per share weighted average
- \$13 million purchase of all 9.2 million shares previously owned by Cliffs Natural Resources
- 6.5 million warrants at \$1.30 until December 31, 2015
- 28.6% current ownership, 33.9% fully diluted

- **Marketing**

- Glencore will purchase 100% of production of concentrates and intermediate products
- Market related terms – pass through of LME/COMEX prices

- **Financing**

- **Areas of key support**

- Marketing & logistics
- Mineral processing
- Financing

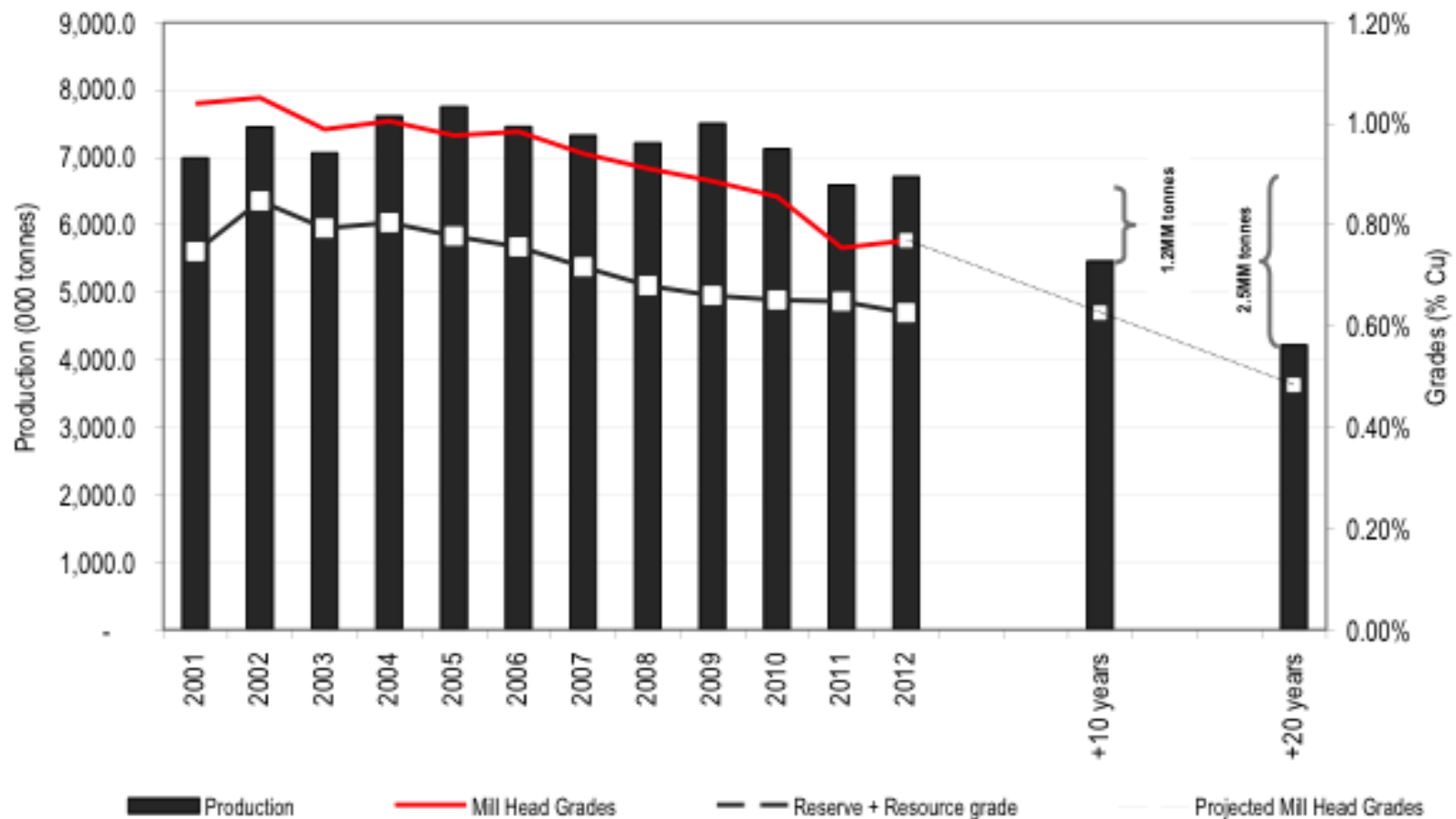
Copper Outlook

CIBC Junior Copper Report - April 2, 2013



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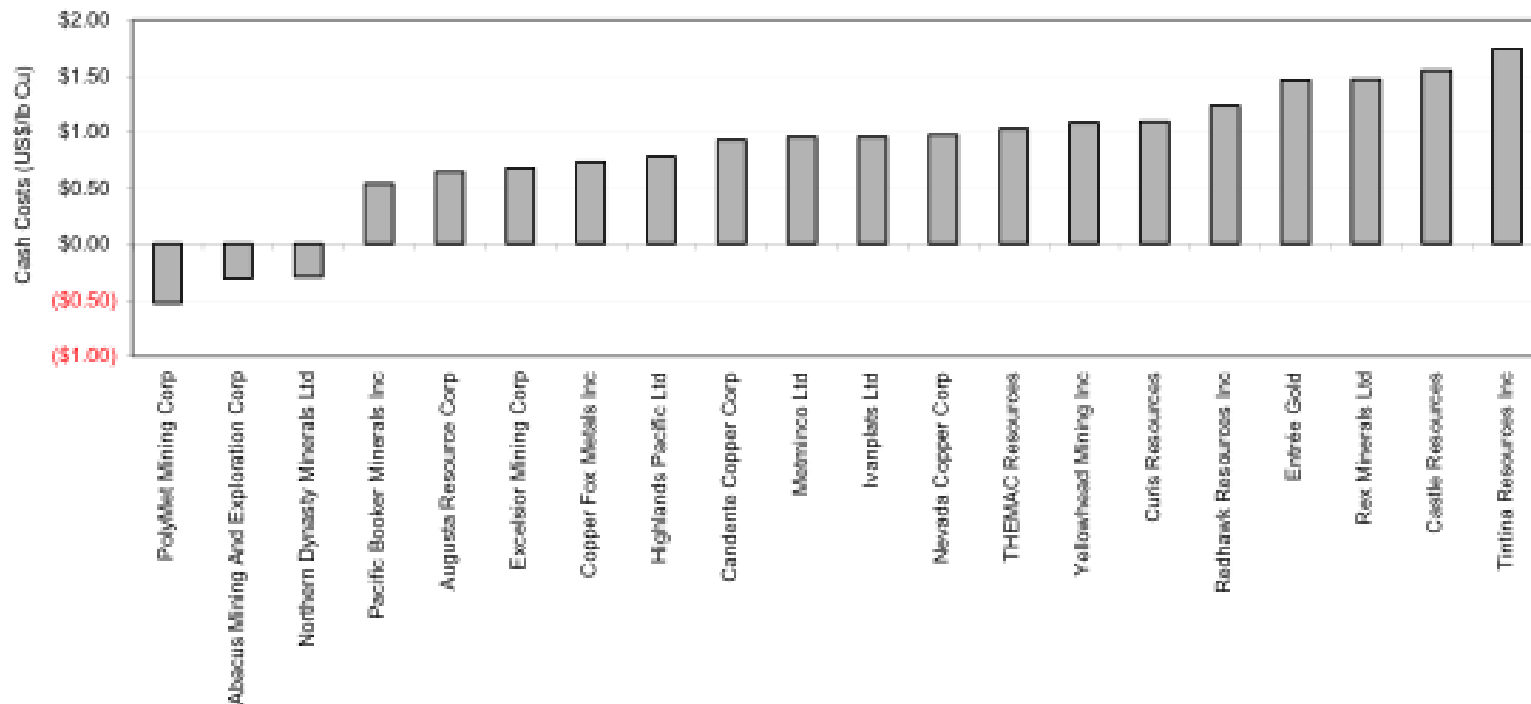
Exhibit 2. Head Grade Vs. Reserve Grade – Major Copper Producers



Copper cash costs

CIBC Junior Copper Report - April 2, 2013

Exhibit 24. Total Expected Cash Costs Net Of By-product Credits (US\$/lb. Cu)



*By-product credits calculated using CIBC long-term metals price forecasts. Our long-term price assumptions for copper, gold, silver, molybdenum, nickel and zinc are US\$2.75/lb., US\$1,500/oz., US\$25/oz., US\$12/lb., US\$8,000/lb., and US\$0.90/lb., respectively.
Source: Company reports.

Key Statistics

Stock Snapshot

NYSE-MKT: PLM / TSX: POM

Recent Share (NYSE-MKT / TSX) \$1.31 / C\$1.46

12-month range (NYSE-MKT / TSX) \$1.36 - 0.67 / C\$1.50 - \$0.69

Trading volume (NYSE-MKT / TSX) 346,000 / 62,000 (200-day average)

Market capitalization \$360 / C\$401 million

Cash (October 31, 2013) \$41 million

Capital Structure

Shares outstanding 274.9 million

Glencore convertible debt \$31.6 million at \$1.29 per share

Glencore Warrants 6.5 million @ \$1.30 expire 12/2015

Other Warrants 2.1 million @ \$1.77 expire 12/2015

Options 15.2 million @ US\$1.64

Fully diluted 322.8 million *(including out-of-money options/warrants)*

Stock Price Chart

(not adjusted for Rights Offering)

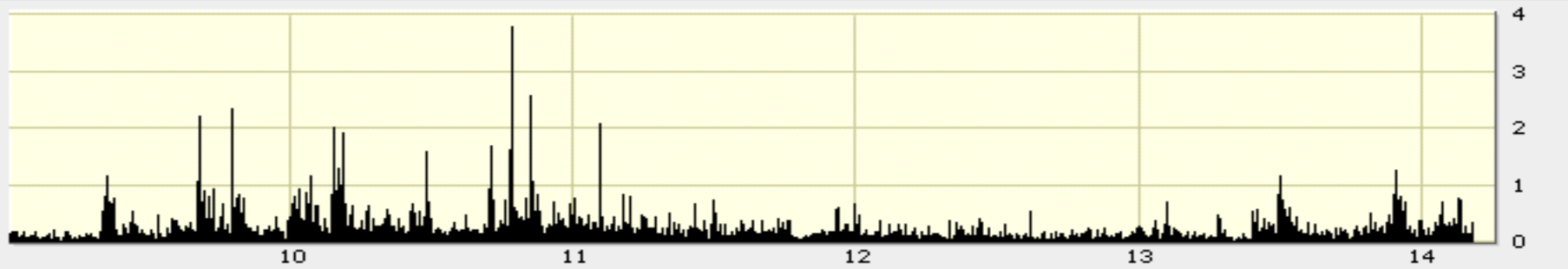


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PLM Daily SMA (50) SMA (200) 3/07/14



Volume ©BigCharts.com



Summary

- **Pre-production US mining project**
 - Differentiated by existing infrastructure in established mining district
- **Well financed**
- **Late stage of environmental review/permitting**
- **Low risk**
 - Construction - existing infrastructure
 - Start-up and operations - conventional process technology
 - Geopolitical - in the U.S.
- **Strong Management**
 - Skilled workforce available locally
- **Future Growth**
 - Expand margins with value added products
 - Potential to expand production

Investor Contacts



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