

A TALE OF TWO CITIES

Toronto Geological Discussion Group

November 8, 2012

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Source: Canoe.ca





Messrs Munk and Regent. Source: Ottawa Citizen





Tye Burt. Source: Vancouver Sun



Month-to-month changes 1960 - 2012

% change in the level of the TSX's gold sub-index =

(t-stat = 1.25)

plus

0.4%

0.836 x % change in the level of the TSX Composite Index *(t-stat = 10.12)* plus

0.085 x % change in the price of gold in Canadian dollars (t-stat = 1.53)



Month-to-month changes October 2008 - 2012

% change in the level of the TSX's gold sub-index =

(t-stat = 0.56)

plus

0.7%

0.882 x % change in the level of the TSX Composite Index (*t-stat = 2.31*) minus 0.128 x % change in the price of gold in Canadian dollars (*t-stat = -0.77*)



"All 500 S&P companies have the same chairman and his name is Ben Bernanke"

Source: Fidelity Global Strategies Fund, as quoted by London's Financial Times (September 11, 2012).



Month-to-month changes 1960 - 2012

% change in the level of the TSX's diversified (i.e. non-precious) mining index = -0.1% *(t-stat = -0.66)*

plus

1.115 x % change in the level of the TSX Composite Index (t-stat = 24.46) plus

0.356 x % change in the price of metals* in Canadian dollars (t-stat = 1.53)

*An unweighted average of changes in AI, Cu, Ni & Zn prices, with AI excluded after Alcan was delisted October 2007



Month-to-month changes October 2008 - 2012

% change in the level of the TSX's diversified mining index =

-1.2% (t-stat = 0.91)

plus

0.653 x % change in the level of the TSX Composite Index (t-stat = 1.42) plus

0.784 x % change in the price of metals* in Canadian dollars (t-stat = 4.24)

*An unweighted average of changes in Cu, Ni & Zn prices





Source: blogspot.com





Source: CityTV





Source: TMX



Mixed signals as miners battle tougher times

Sydney Morning Herald, October 13, 2012

Boart Longyear... last week dumped its respected chief executive after a surprise profit warning a few weeks earlier. ...the canary in the mine is the low level of capital raised by junior explorers, which has remained depressed for several years now, and is forcing them to curtail spending. The majors, too, are harbouring cash.

Thompson Creek to axe 100 jobs at Ohio mine

Proactiveinvestors.com, October 3, 2012

Thompson Creek Metals Co. (TSE:TCM) said Wednesday it would halt stripping activity at its Ohio molybdenum mine and slash 100 jobs, as the company seeks to boost its balance sheet and conserve cash.





London, September 2012 (photo by Raymond Goldie)





Source: interactivebrokers.com



Source: info.goldavenue.com



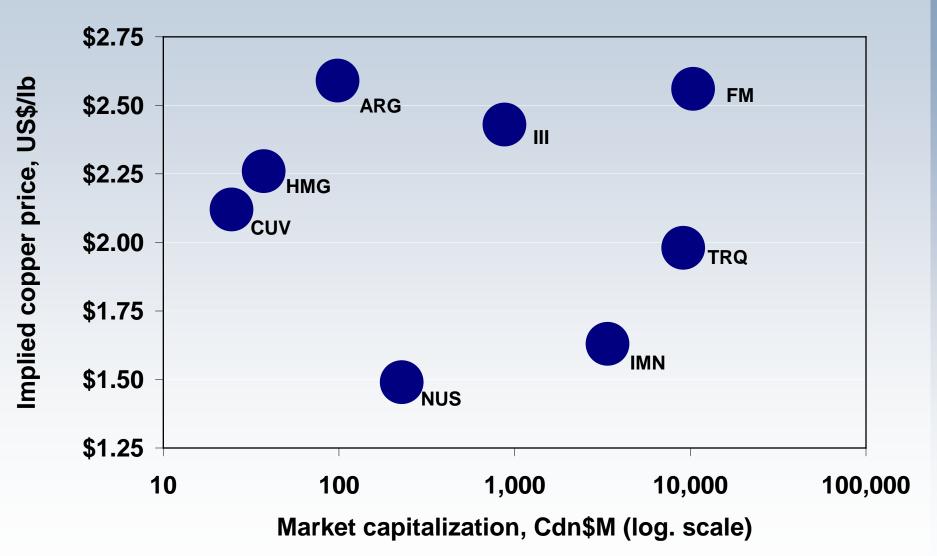
THE LONDON METAL EXCHANGE, LME



Source: Thomson Reuters



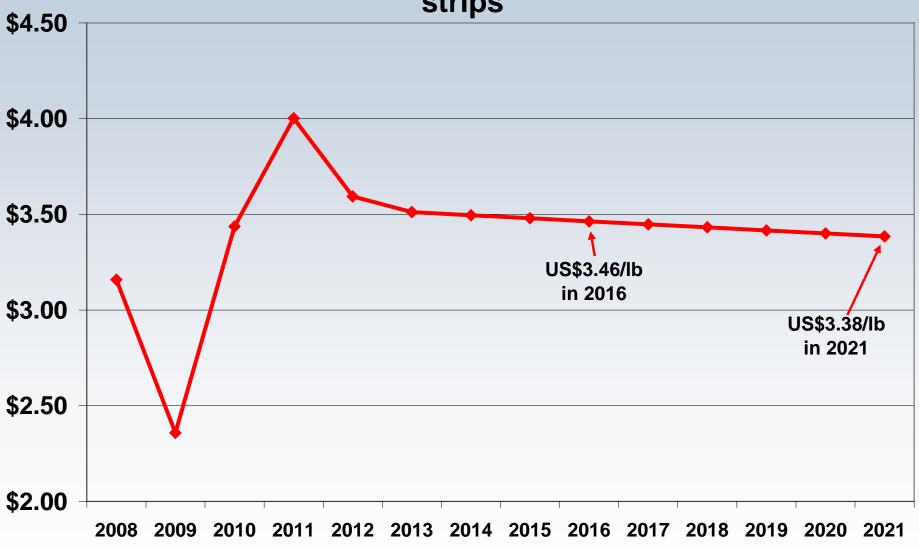
IMPLIED COPPER PRICE vs MKT. CAP.





Source: Salman Partners' estimate of the price of copper in 2013 (assumed to rise every year thereafter at the rate of US CPI inflation) that would be required to make the company's Net Asset Value equal to its share price.

Copper Prices, US\$/Ib, as implied by LME forward strips

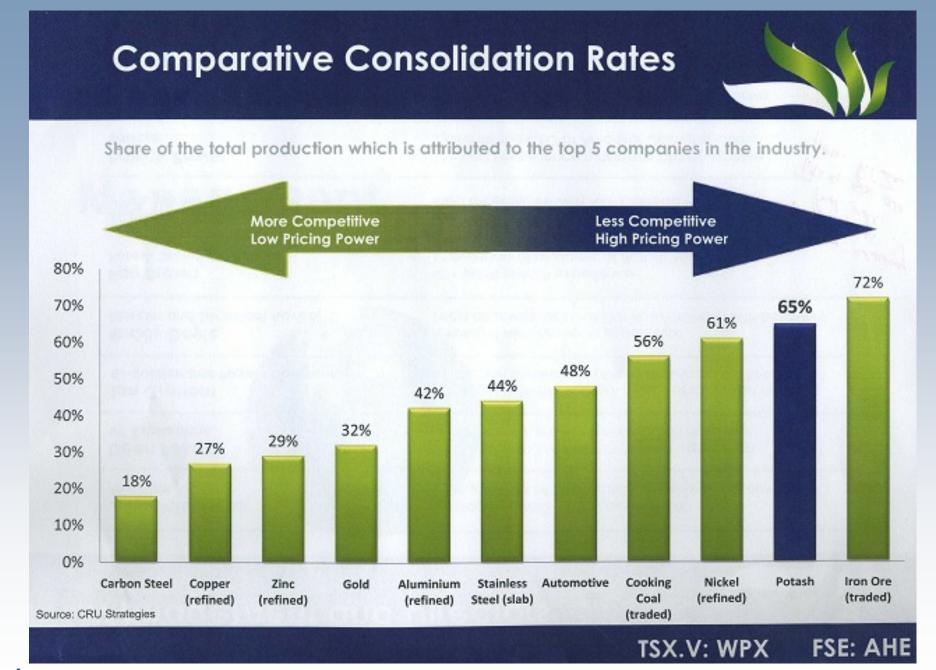


Source: LME, interpolation by Salman Partners inc., using exponential least-squares regression analysis



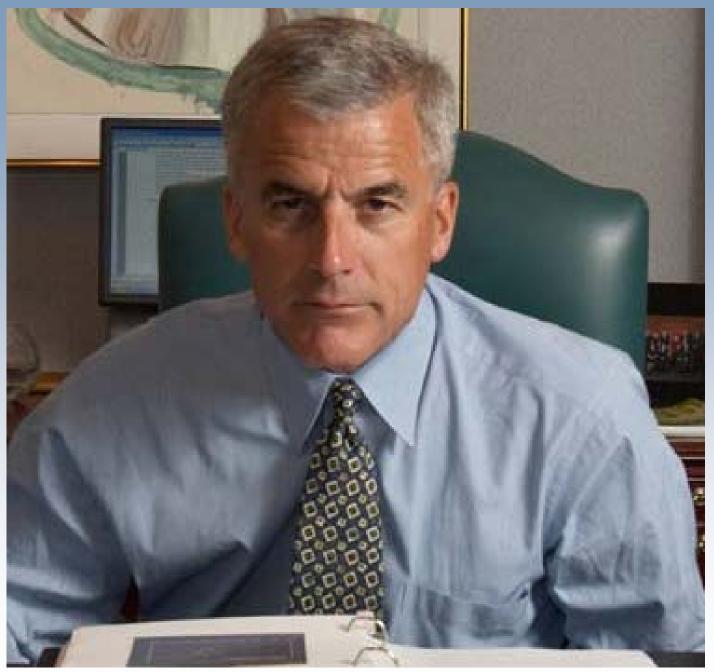
IS SUPPLY MANAGEMENT RELEVANT TO THE MINERALS THAT THIS COMPANY INTENDS TO PRODUCE?





Salman Chart courtesy Western Potash Corp. (NB: read "coking" for "cooking")

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Bill Doyle. Source: Saskatoon StarPhoenix

BHP Billiton's commodity marketing philosophy: "to run at full capacity and take the market prices"

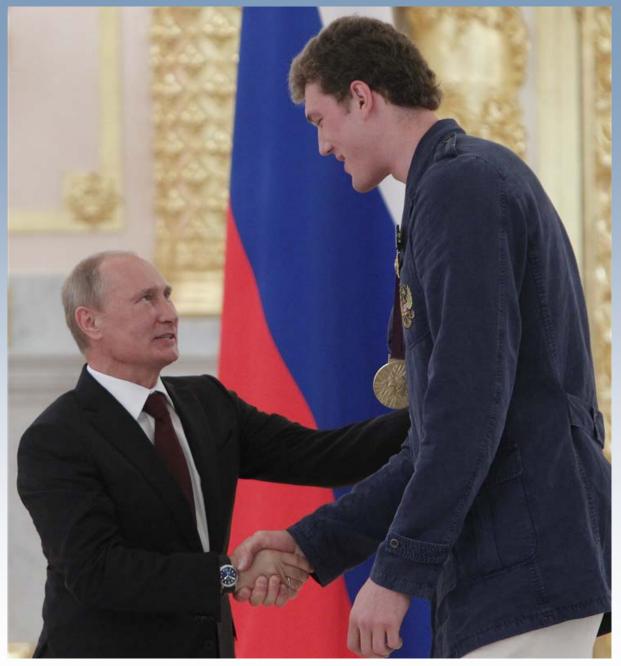
Source: M. Kloppers, CEO, BHP Billiton, as quoted by The Globe and Mail.





Source: Bloomberg







Source: NBC News. We note that the Olympian volley-ball player apparently is not standing on a podium

China's moves to shut inefficient, dirty plants



The Rare Earths



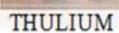








CERIUM







NEODYMIUM

4000

A BASS

EUROPIUM GADOLINIUM





TERBIUM



DYSPROSIUM

HOLMIUM



YTTERBIUM LUTETIUM

ALLVQICES



Source: windpowerstockstowatch.blogspot.com

RARE EARTHS DEAL

SASKATOON, SASKATCHEWAN, Jan 31, 2011 (MARKETWIRE via COMTEX) --

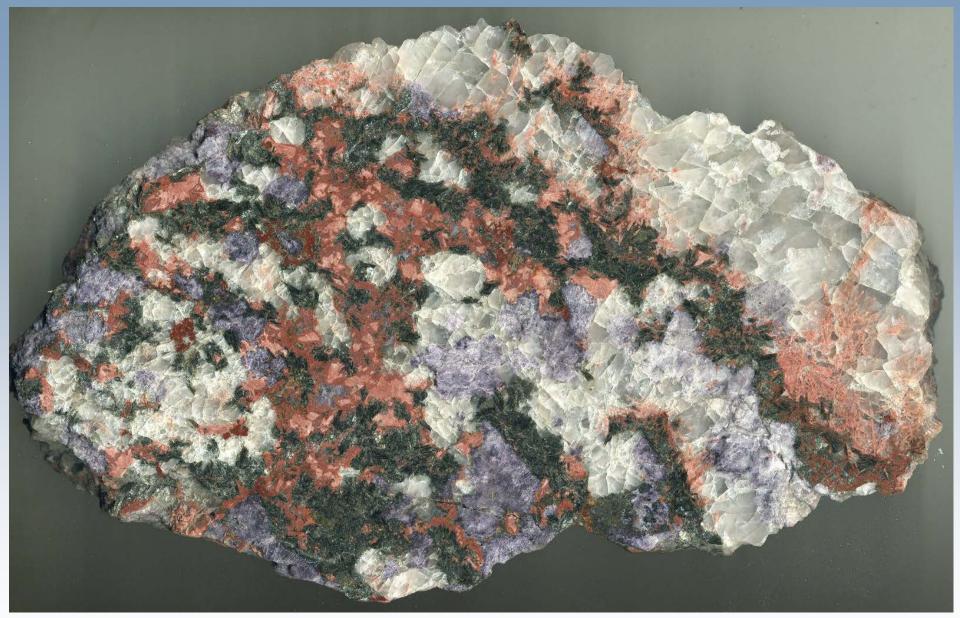
Great Western Group Ltd. (TSX VENTURE: GWG) announces that it has signed a Letter of Intent with **Electron Energy** of Landisville, Pennsylvania to supply samarium metal, gadolinium metal and samarium-cobalt alloys used by EEC to manufacture magnets and magnet systems.





Source: Syngenta





Source: Raymond Goldie



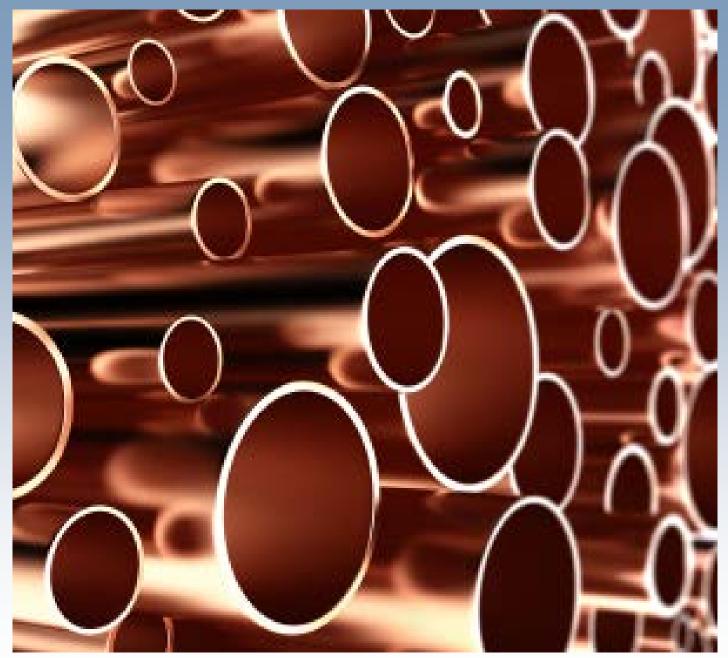
Who We Are/What We Do

Brush Wellman Beryllium Products is the premier integrated global producer of beryllium-based metals & metal matrix composites. We provide high-performance metals & metal-matrix composites for missioncritical commercial, aerospace, medical, research & engineering applications that require the highest levels of performance.



SMELTER/REFINERY SURPLUS







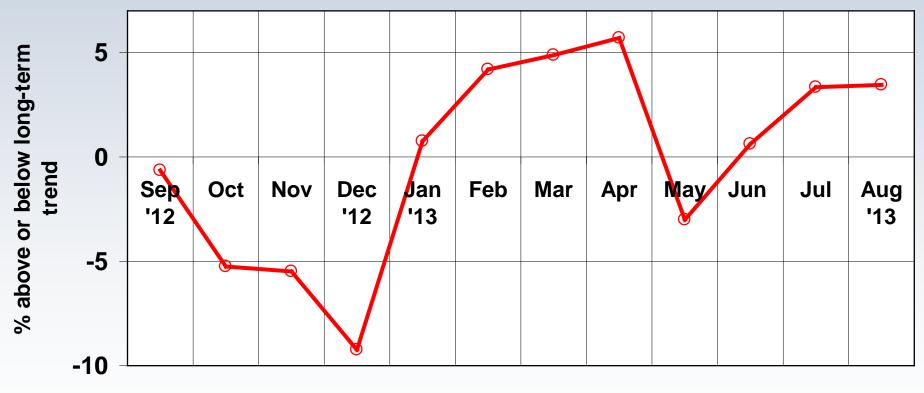
Copper pipes. Source: etoro.com

FORECASTING METHOD #1: TECHNICAL ANALYSIS



PROJECTED SEASONAL TRENDS IN THE PRICE OF COPPER

(as projected by Statistics Canada's "X-11" program)



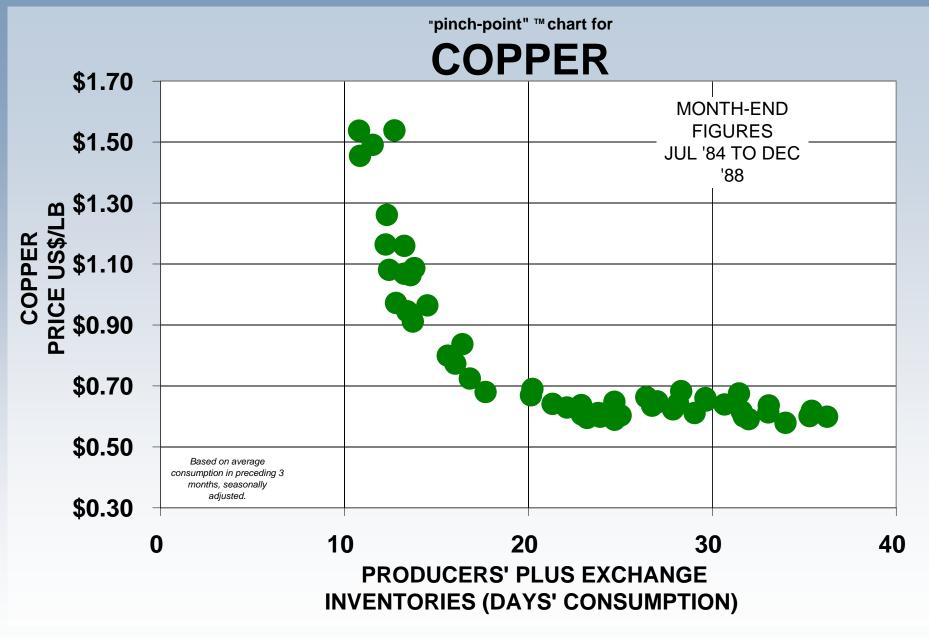
month-end figures

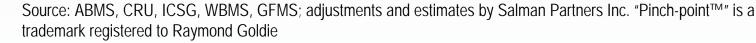


Source: LME, calculations by Salman Partners Inc.

FORECASTING METHOD #2: FUNDAMENTAL ANALYSIS







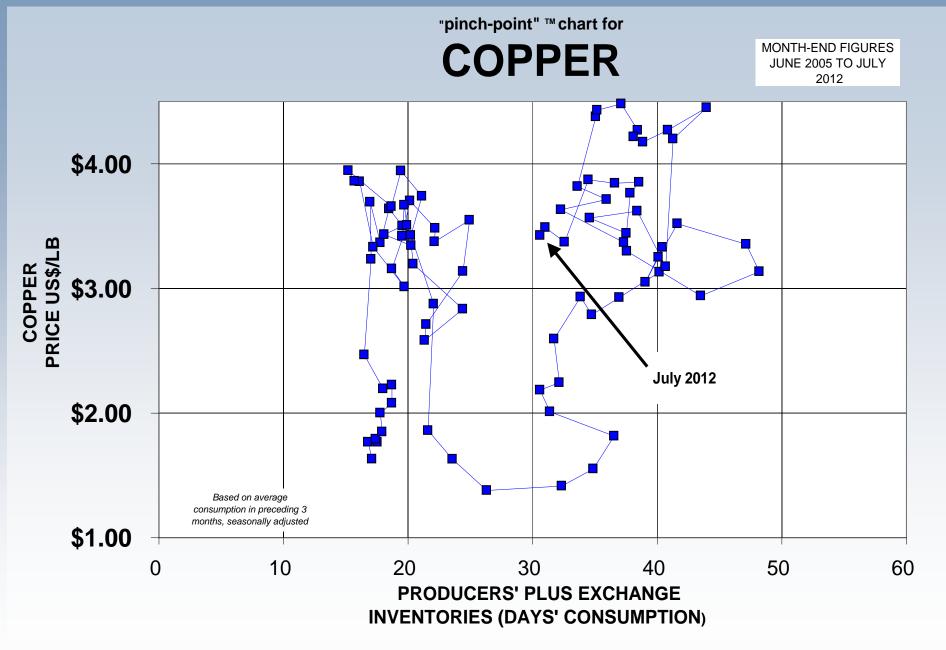
"pinch-point"TM is a trademark registered to Raymond Goldie







Source: nerve.com



Salman Partners Source: ABMS, CRU, ICSG, WBMS, GFMS; adjustments and estimates by Salman Partners Inc. "Pinch-point™" is a trademark registered to Raymond Goldie





Source:b-protected.com.au

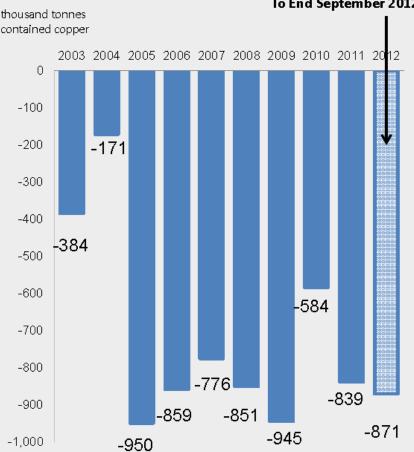


Source: made-in-china.com



BASE METAL MARKETS - COPPER Concentrate Production Disruptions - are Continuing





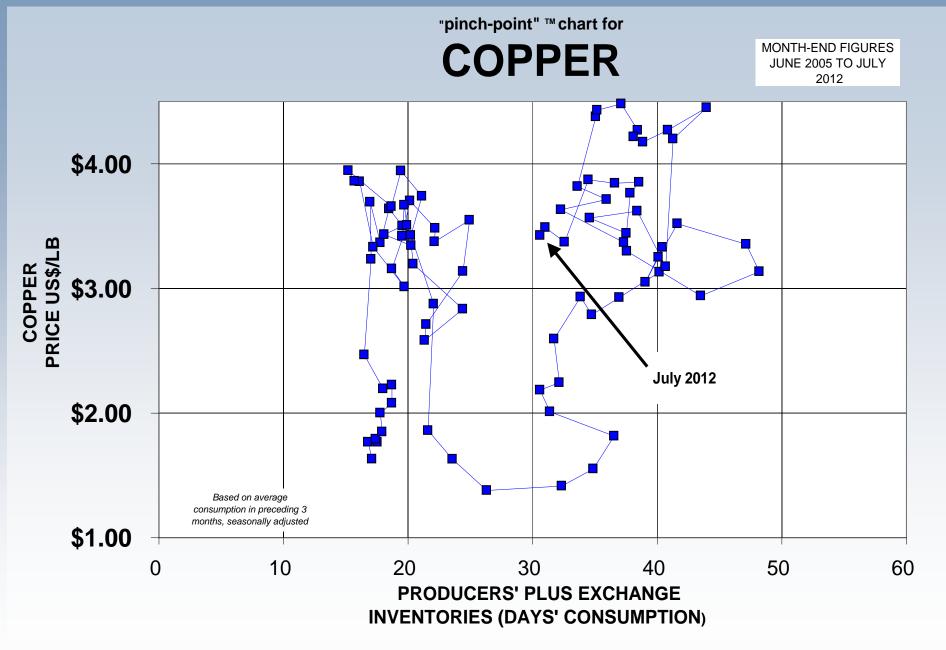
Source :/CSG, Wood Mackenzie Brook Hunt, Teck, Com pany Reports

To End September 2012 Guidance

- Production disruptions to mine production continue into 2012.
- Before 3rd quarter guidance had been released disruptions already exceeded our estimate of 5%.
- Mine production was to have increased 1.2 million tonnes in 2012, we are now likely to get less than half. In 2011 no increase in mine production.
- For 2013 we are projecting an increase of 1.8 million tonnes of new production.
- Lower grades have increased the unpredictability of production forecasts.



Teck



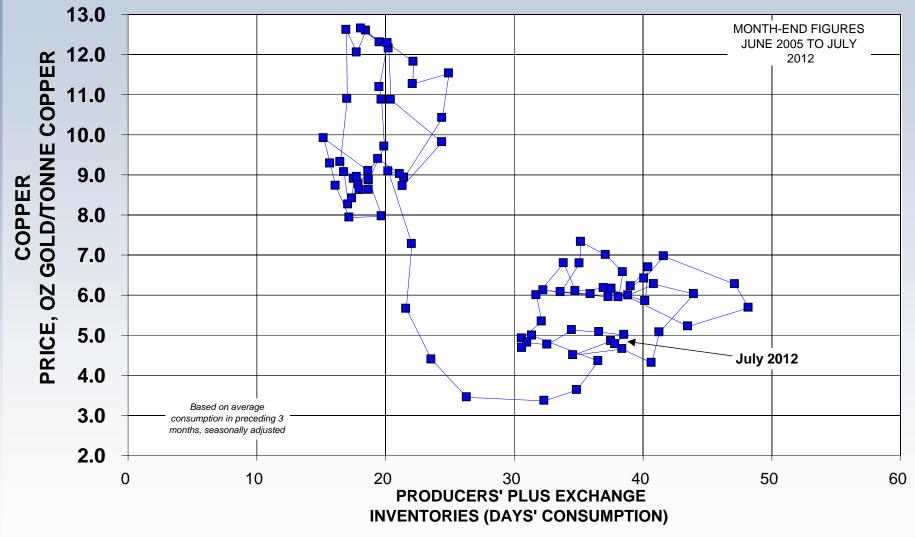
Salman Partners Source: ABMS, CRU, ICSG, WBMS, GFMS; adjustments and estimates by Salman Partners Inc. "Pinch-point™" is a trademark registered to Raymond Goldie

"Only gold is money"



"pinch-point" ™ chart for

COPPER



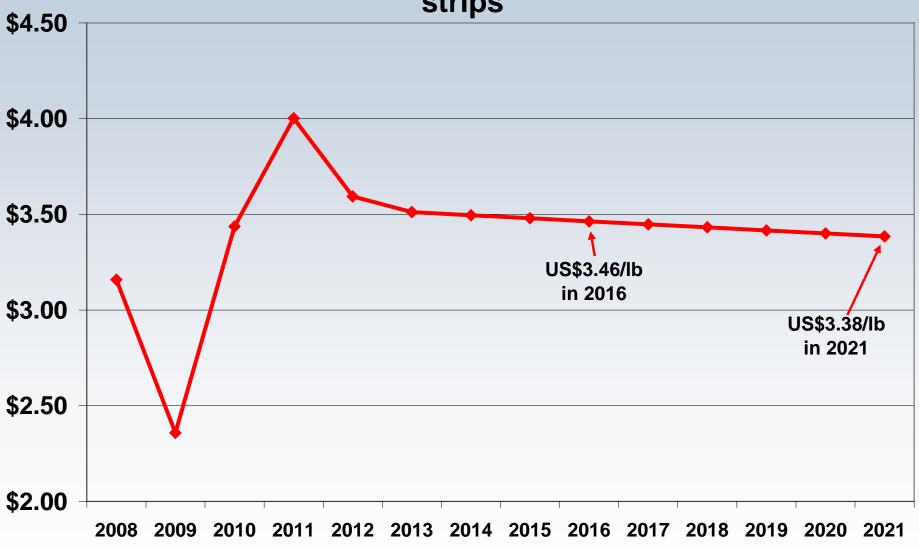


Source: ABMS, CRU, ICSG, WBMS, GFMS; Bloomberg; adjustments and estimates by Salman Partners Inc. "Pinch-point™" is a trademark registered to Raymond Goldie

FORWARD STRIPS



Copper Prices, US\$/Ib, as implied by LME forward strips

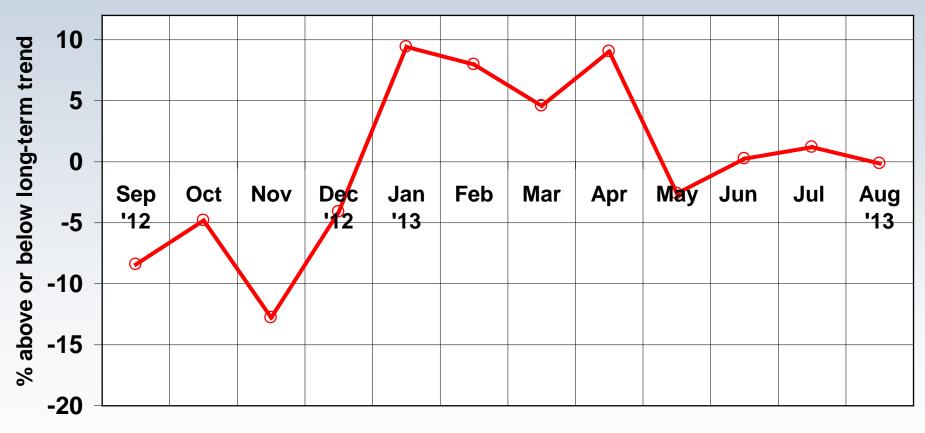


Source: LME, interpolation by Salman Partners inc., using exponential least-squares regression analysis



PROJECTED SEASONAL TRENDS IN THE PRICE OF NICKEL

(as projected by Statistics Canada's "X-11" program)



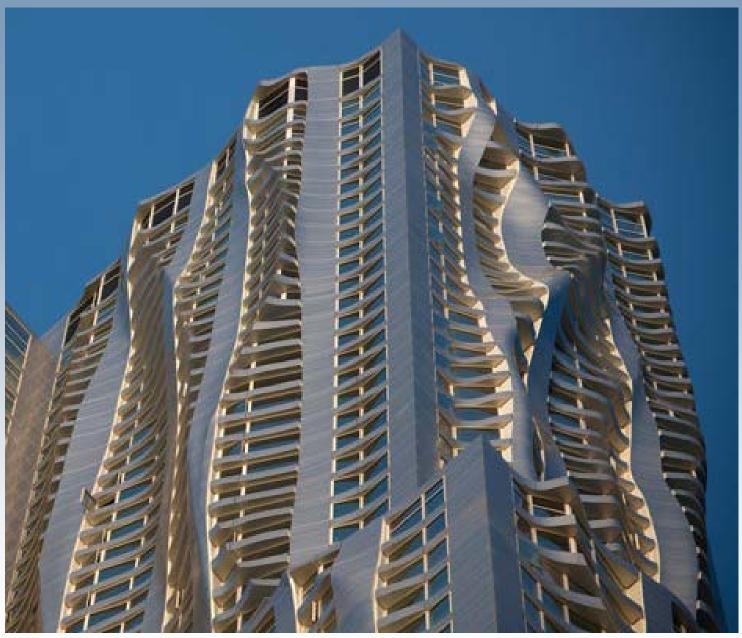
month-end figures



Source: LME, calculations by Salman Partners Inc.

NICKEL FUNDAMENTALS

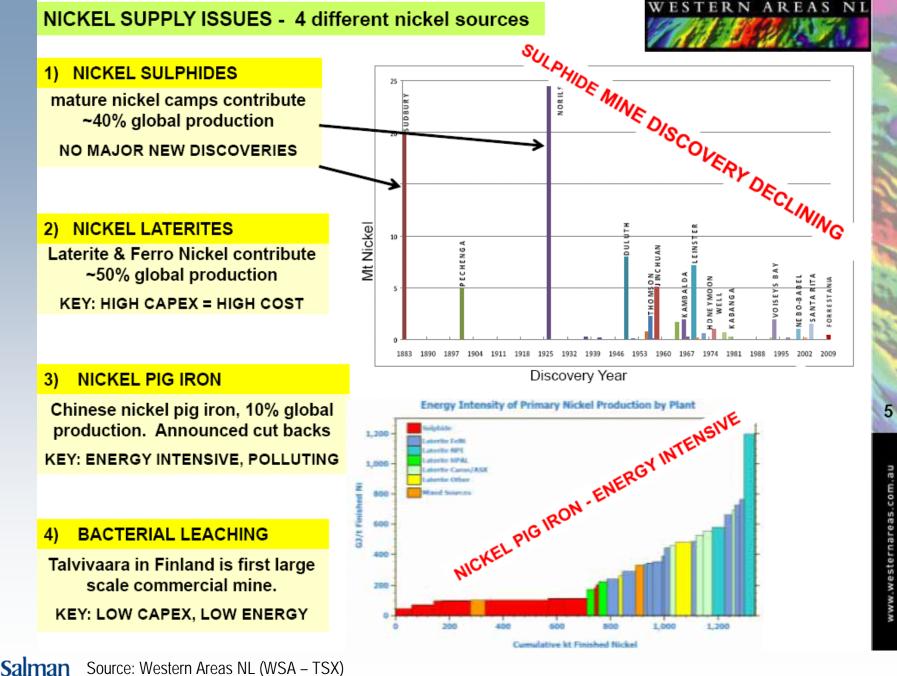




The beauty of nickel (in the form of stainless steel): 8 Spruce St., New York, as designed by Frank Gehry. Mr. Gehry has expressed interest in building three towers, modelled on this one, on King St. West in Toronto. Source: dezzen.com

Salman Partners

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Source: Western Areas NL (WSA – TSX)

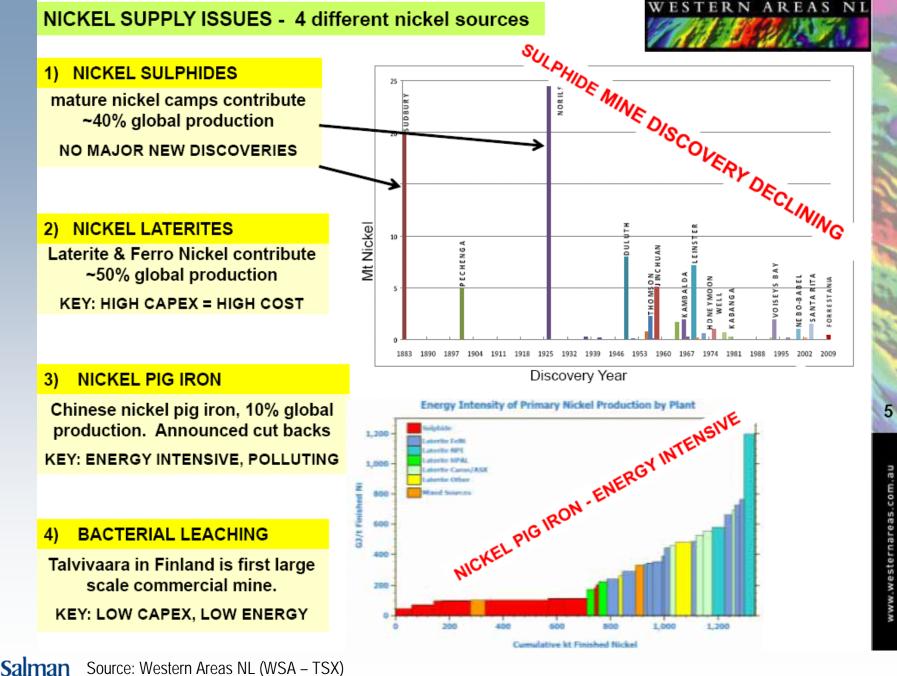
Partners







The Ambatovy nickel mine, Madagascar, May 2010 (photo by Raymond Goldie)
Salman

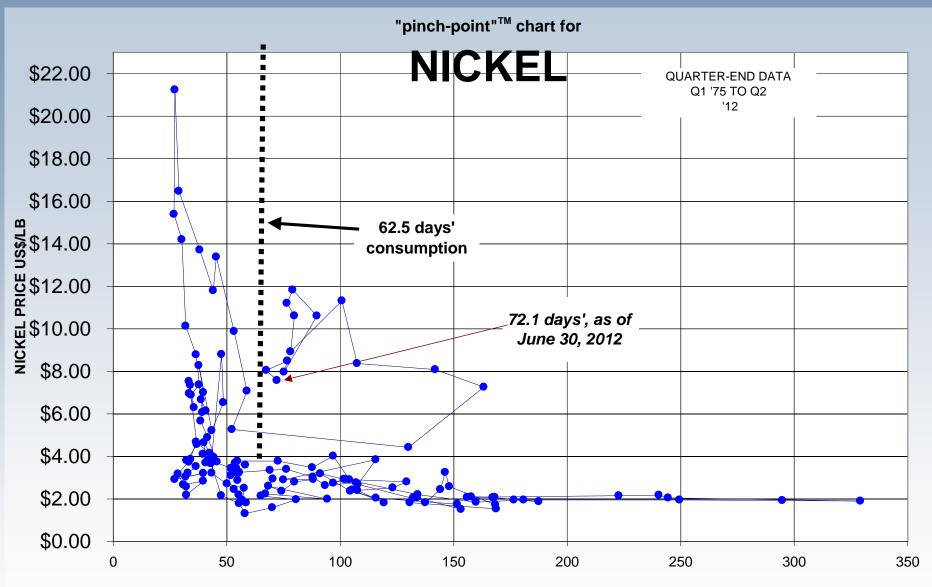


Source: Western Areas NL (WSA – TSX)

Partners



Source: China Steel
Salman
Partners



WESTERN WORLD NICKEL INVENTORIES (DAYS' CONSUMPTION)

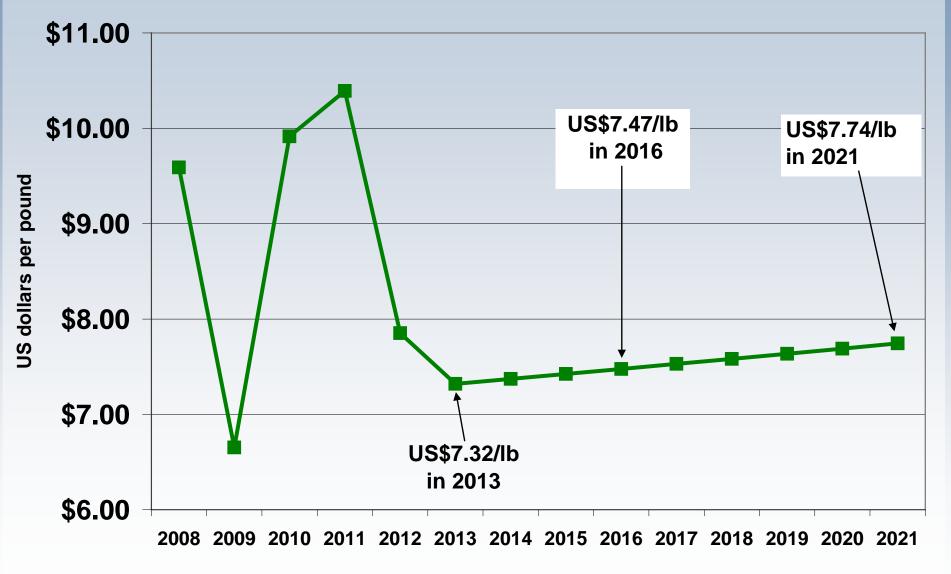


Source: INSG, WBMS, CRU, LME, GFMS, adjustments by Salman Partners Inc. "pinch-pointTM" is a trademark registered to Raymond Goldie. Note that our definition of Western world inventories includes those held by producers. Unlike the inventories registered with the **London Metal Exchange** (whose levels are published daily), producers' inventories are published only once a quarter.



Stainless steel scrap. Source: okokchina.com

Nickel Prices as implied by LME forward strips



Source: LME, interpolation by Salman Partners Inc., using exponential least-squares regression analysis



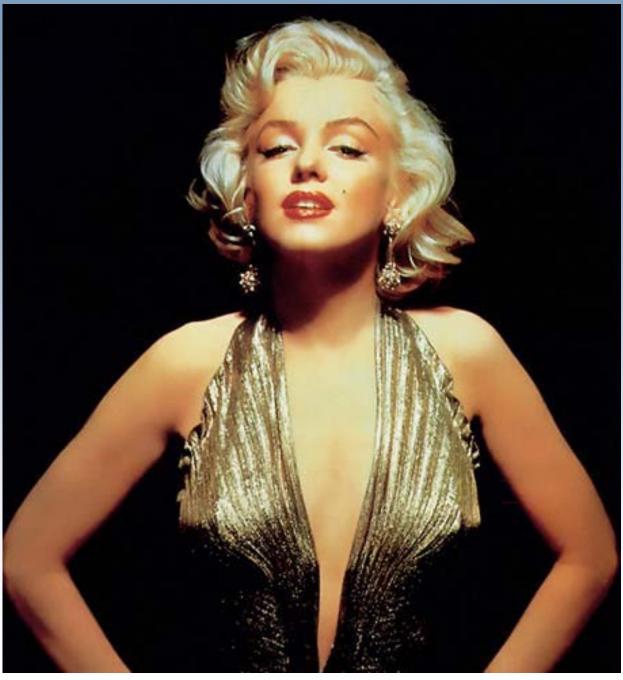


Cash out of gold and send kids to college

"All the gold that has ever been mined is still in existence, but it continues to exist because it is sterile – quite literally useless."

Source: Financial Times, August 7 2012







Source: cine-talkies.com



20 CENTS

AUGUST 20, 1956

AUDREY HEPBURN AS TOLSTOY HEROINE IN 'WAR AND PEACE'



Source: Life magazine

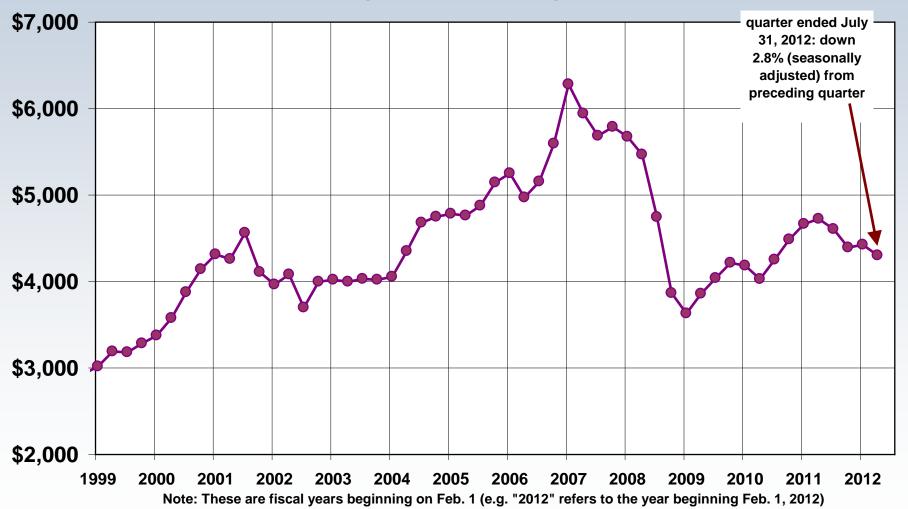
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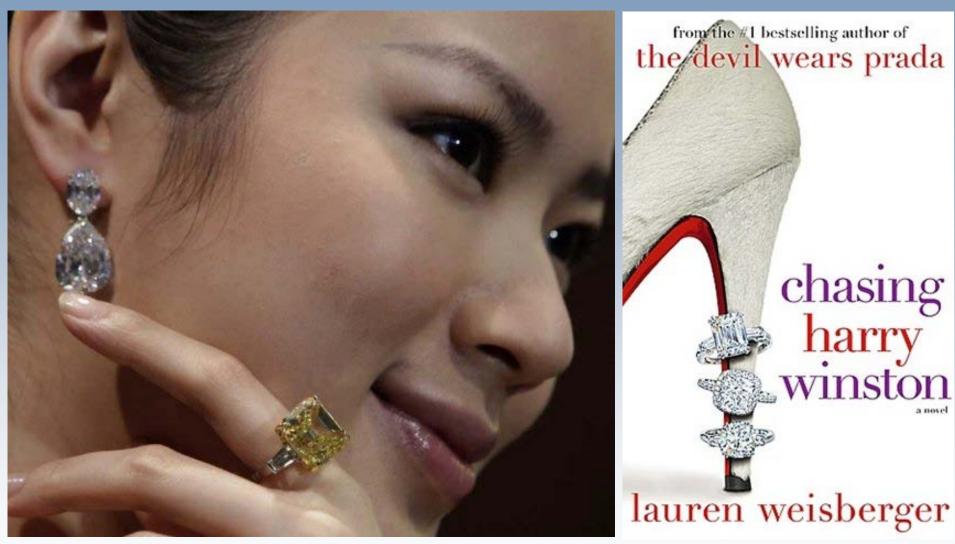


Source: media.onsugar.com

Approximation of Tiffany & Co's seasonallyadjusted, quarterly sales per store in the Americas (sales x \$'000)







Source: monstersandcritics.com

Source: amazon.com



PROJECTED SEASONAL TRENDS IN GOLD BULLION PRICES, US\$

(as estimated by Statistics Canada's "X-11" program)



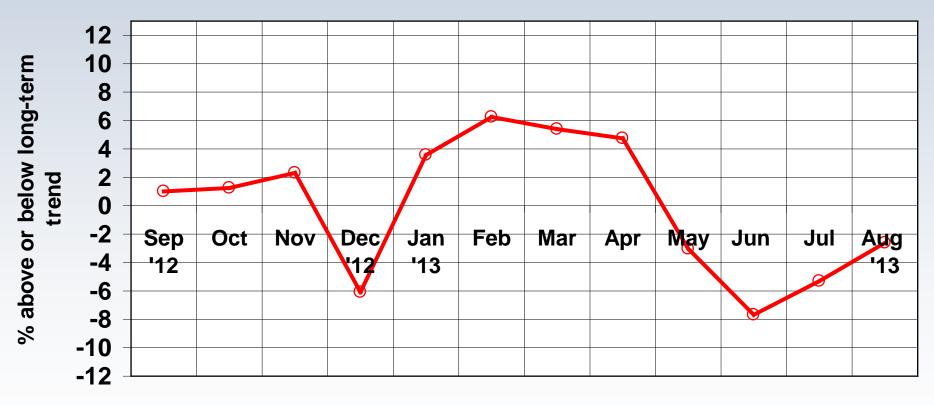
month-end figures



Month-end London PM fix. Sources: Reuters and "Platt's Metals Week", McGraw-Hill Inc.; estimates by Salman Partners Inc.

PROJECTED SEASONAL TRENDS IN SILVER PRICES, US\$

(as estimated by Statistics Canada's "X-11" program)



month-end figures

Salman Partners Month-end London PM fix. Sources: Reuters and "Platt's Metals Week", McGraw-Hill Inc.; estimates by Salman Partners Inc.

PROJECTED SEASONAL TRENDS IN GOLD BULLION PRICES, US\$

(as estimated by Statistics Canada's "X-11" program)



month-end figures



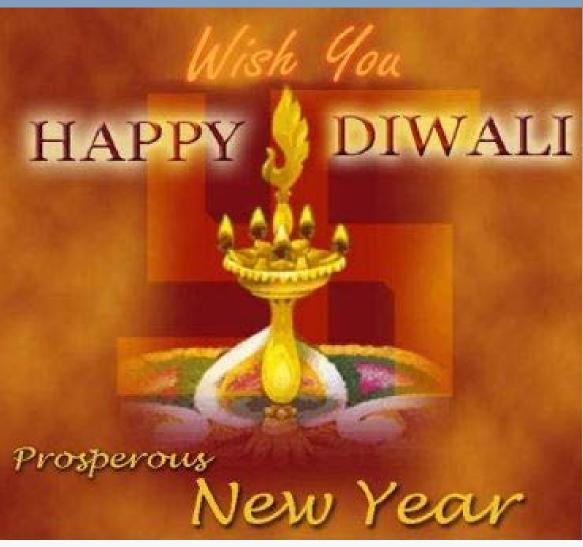
Month-end London PM fix. Sources: Reuters and "Platt's Metals Week", McGraw-Hill Inc.; estimates by Salman Partners Inc.

October 9-14, 2012 Annual Meetings of the International Monetary Fund and the World Bank Group

Tokyo

Source: IMF





When is Diwali celebrated?

Diwali is celebrated for 5 days according to the lunar Hindu Calendar. It begins in late *Ashwin* (September–October) and ends in early *Kartika* (October–November).

Source: Wikipedia

Source: topinews.com





Wealthy Indian brides can spend \$2 million on gold they wear on their big wedding day

Source: ABC News

India is the world's number one consumer of gold, accounting for almost a fifth of gold sales.

There are spikes in gold demands both January and September ... to meet the demands of the two Indian wedding seasons. The first... starts in November and ends in December. The second starts in late March and runs through into early May.

Source: current businessnews.net

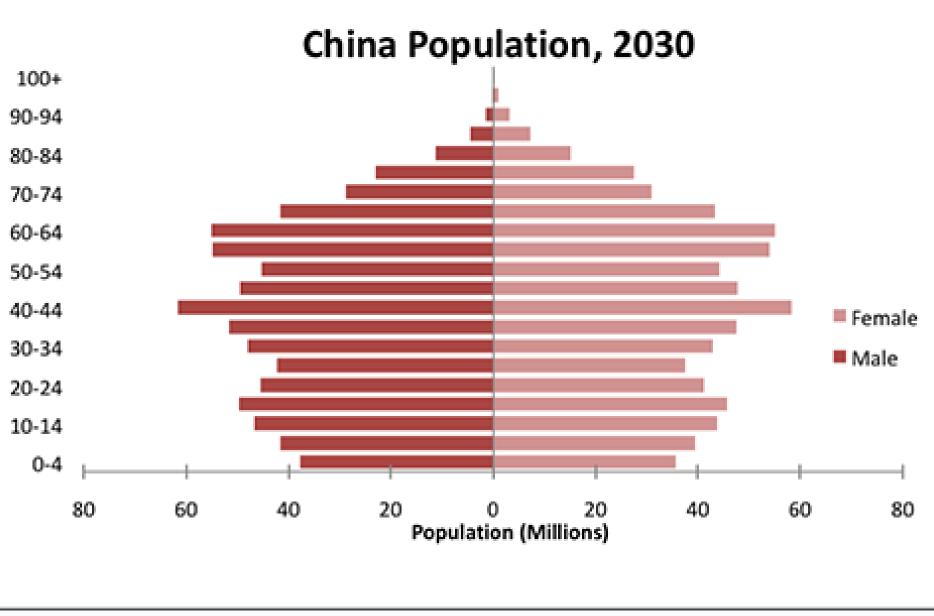


India's "demographic dividend"

"when a country's population includes a disproportionate number of young, educated, working age adults, it has a highly positive effect on the country's economy... a large and relatively young population is entering the [India] workplace and ... in 20 years, the middleclass population of India will equal half a billion".

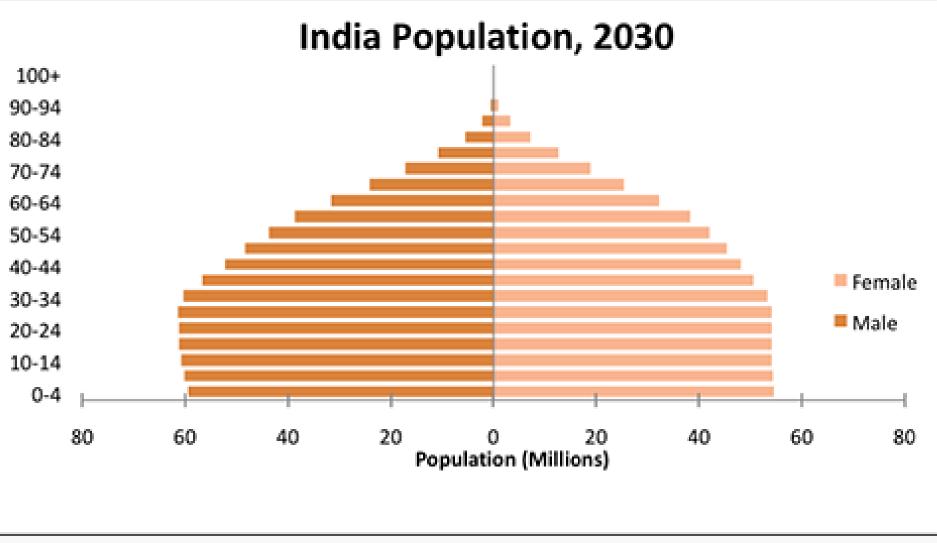
Source: Nandan Nilekani, Unique Identification Authority of India ; CFA Digest, CFA Institute, 2010





Source: stillgoingnative.com





Source: stillgoingnative.com



RECAPPING



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- 3. Big companies can buy ounces of gold or pounds of copper much more cheaply on the Toronto Stock Exchange than on the metals markets.
- 4. Junior companies are more likely to reduce spending on exploration to conserve cash.
- 5. Junior companies are more ready takeover targets than are big mining companies.









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