

Unprecedented, Unexpected and Unprepared: Analyzing The Covid-19 Impact on Metal Markets

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Today's Agenda

Macro Backdrop:

- Unprecedented health crisis quickly morphed into an economic one

Outlook for Gold:

- More bullish trajectory than the 2009-2012 Cycle

Outlook for Silver:

- The 'tagalong' awaiting a growth inflection point and/or catalyst

Outlook for PGMs:

- Longer term is clearer than the short term - a new cycle, an era of higher (PGM) prices

Outlook for Copper:

- A 2nd frustrating year for bulls -- new surplus with a U-Shaped recovery; upside bias on macro factors in s/t, fundamentally stronger in l/t

Outlook for Aluminum

- Hard-hit by demand destruction to transportation and now awaiting supply response

Macro Summary: Navigating Various Crises in a Ever-Faster News, Data & Policy Cycle

- A deflationary demand crisis, a supply chain crisis, a labor market crisis and an energy price crisis.
- From Trade to COVID-19: similar phenomenon (borders-up protectionism)
- Policy action: ‘too much’ (cascading and extended lockdowns) because ‘too late’
- Larger tail risks: “V-U-or L”, but also “↓” or “Nike Swoosh” recoveries?



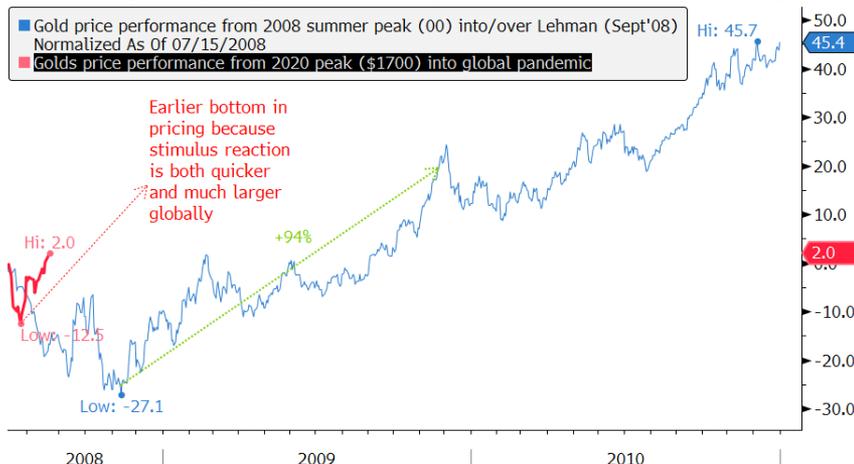
Economist.com

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Gold: Navigating the Deflationary-Inflationary Signals

- Gold has found its post-crisis floor.
- Large dislocations between paper/physical after some hefty margin related selling.
- Fast money positioning is a lot cleaner.
- Max macro fear has dialed back from extreme levels.
- New super bullish structural themes have emerged faster than anticipated (bigger gov, unlimited QE, negative interest rates, unlimited deficits, Fed buying junk bonds, MMT-like policies).

Golds response into a crisis: into Lehman (2008) vs into COVID-19 (2020)
 Most havens (ex cash/USD) are dumped during EXTREME market volatility, then rally



Source: Scotiabank Commodities Strategy, Bloomberg
 GOLDS Comdty (GOLD SPOT \$/OZ) COVID vs 2008 Daily 15JUL2008-31DEC2010 Copyright© 2020 Bloomberg Finance L.P. 13-Apr-2020 12:54:36

Investors: share of Gold in portfolios underweight but rising
 overweight on actual oz basis, but underweight as a % of equity portfolios



Source: Bloomberg, Scotiabank Commodities Strategy
 .GC/SPX2 U Index (gold AUM as a % of SPX mkt cap) Gold AUM as % of SPX Weekly 2 Copyright© 2020 Bloomberg Finance L.P. 13-Apr-2020 12:56:05

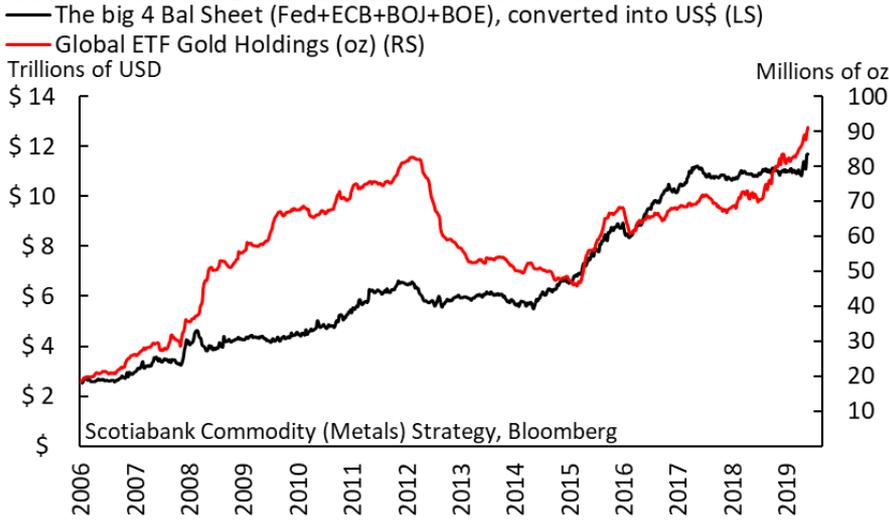
Gold: More Bullish Trajectory Than The 2009-2012 Cycle

- Macroeconomic backdrop of lower & slower growth profile and unprecedented stimulus, never been better.
- BUT some short-term headwinds (liquidity, subdued Asian physical demand, inactive bullish CB activity).
- Largescale inflow from Western retail & institutional should offset weaker physical demand and the short-term headwinds.

Fed Balance Sheet vs Gold

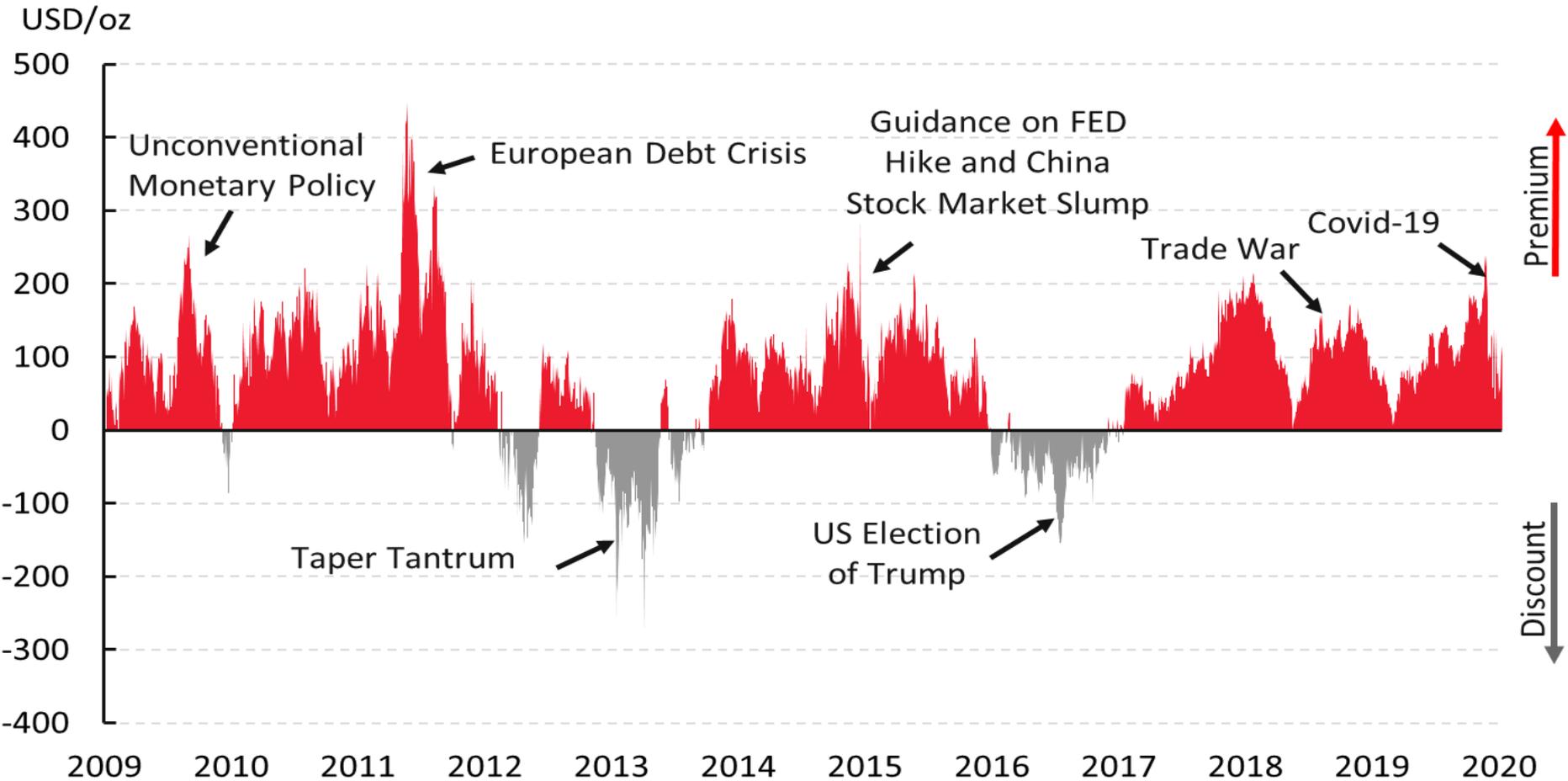


Global Central Bank Balance Sheet vs Gold



Gold: More Bullish Trajectory Than The 2009-2012 Cycle

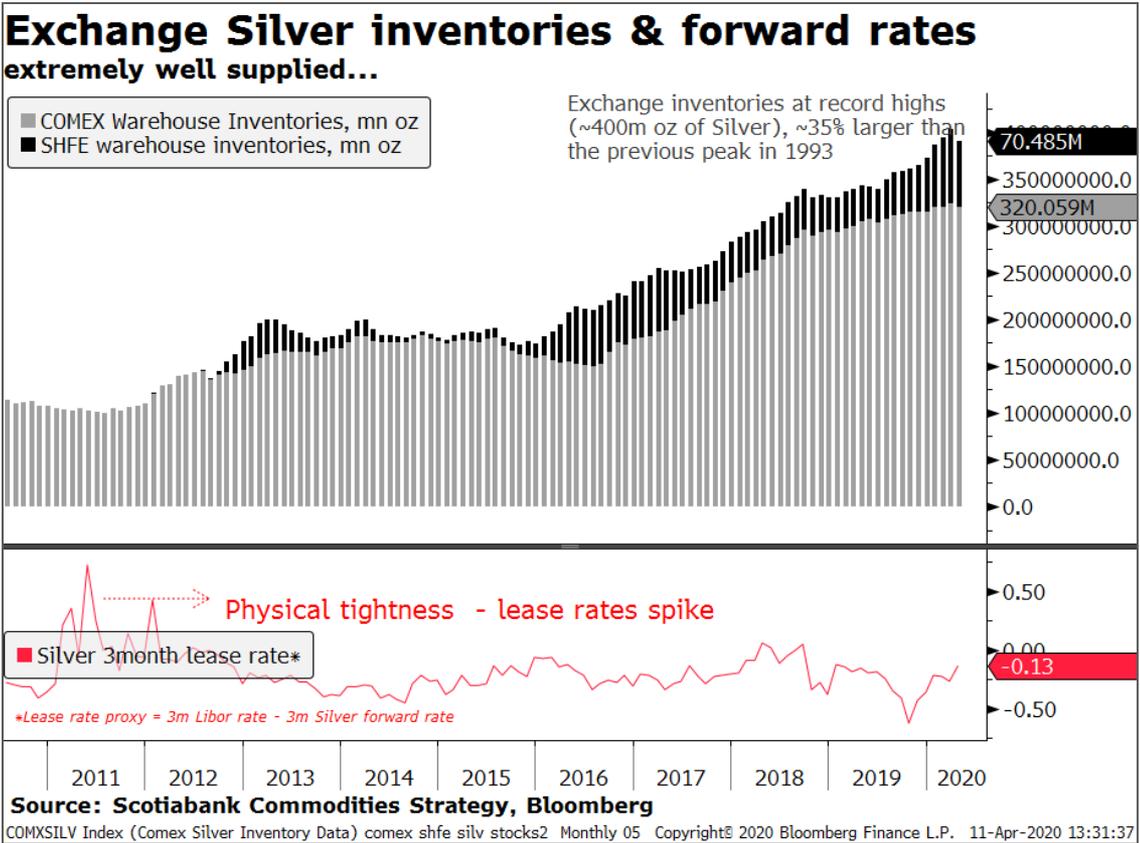
Gold Trades at a Fear Premium of \$120



Source: Scotiabank Commodity Strategy (Metals) Calculations, Bloomberg
Note: Note: Premium/discount is estimated using a multi variate OLS robust regression model with a 10-year rolling window approach. Our features include the DXY, USDJPY, USDEUR, USDGBP, and the US 10-year real yield derived off the US 10-year treasury and 10-year breakeven. Our model explains 95% of the variation in gold since 1999. A positive (negative) number indicates Gold is trading at premium (discount) versus where our current endogenous variables are indicating.

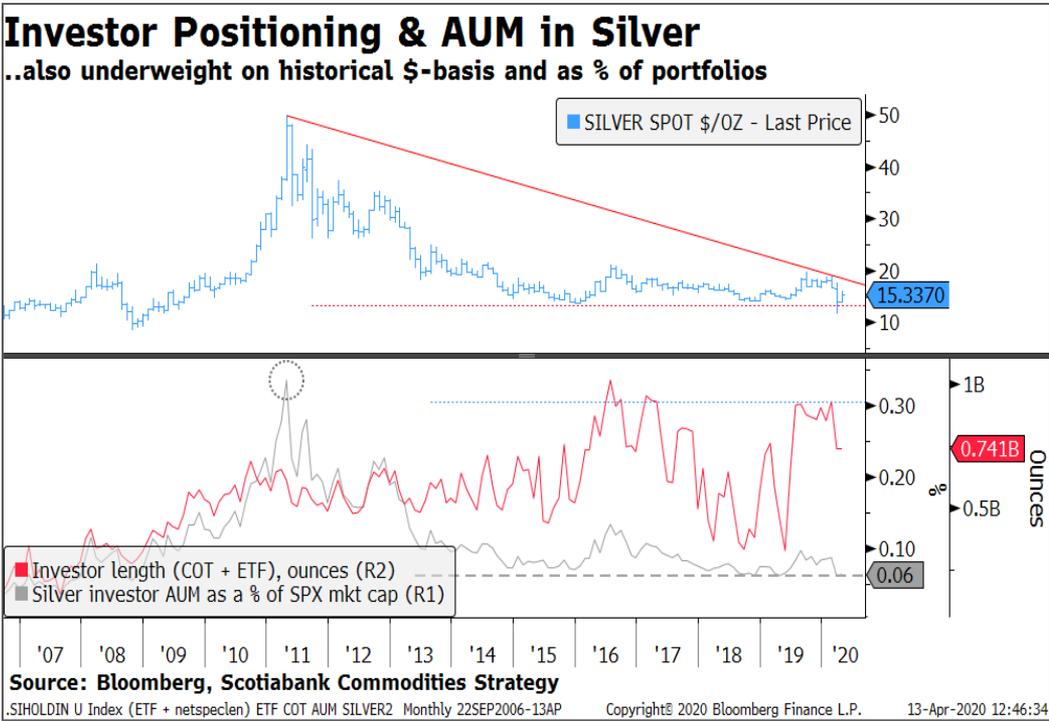
Silver: The 'tagalong' awaiting a growth inflection point or catalyst

- Will begrudgingly tag behind any Gold rise and should continue to underperform in the near-term until the growth inflection point.
- Fresh catalyst emerging with 1/3rd of global supply down, but fundamentally requires years of deficits to substantially draw down inventories.



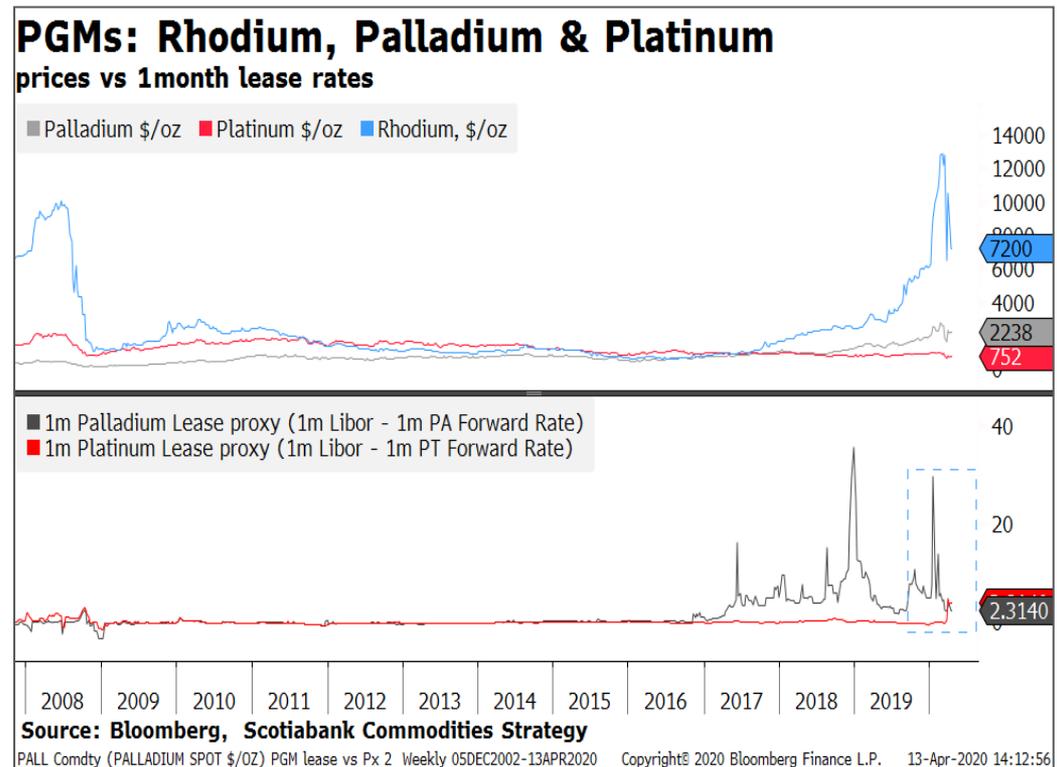
Silver: The ‘tagalong’ awaiting a growth inflection point or catalyst

- Fundamentally oversupplied but still attractive as a cheap high beta gold proxy.
- Gold/Silver ratio to remain in a less bullish uptrend as macro markets navigate from late cycle era to recovery period.
- Upside (>\$20) dependent on: Gold outperformance, inflation and reflation risks AND fresh real demand drivers in medium term, potentially stemming from known (PVs) and nascent (auto) industries.



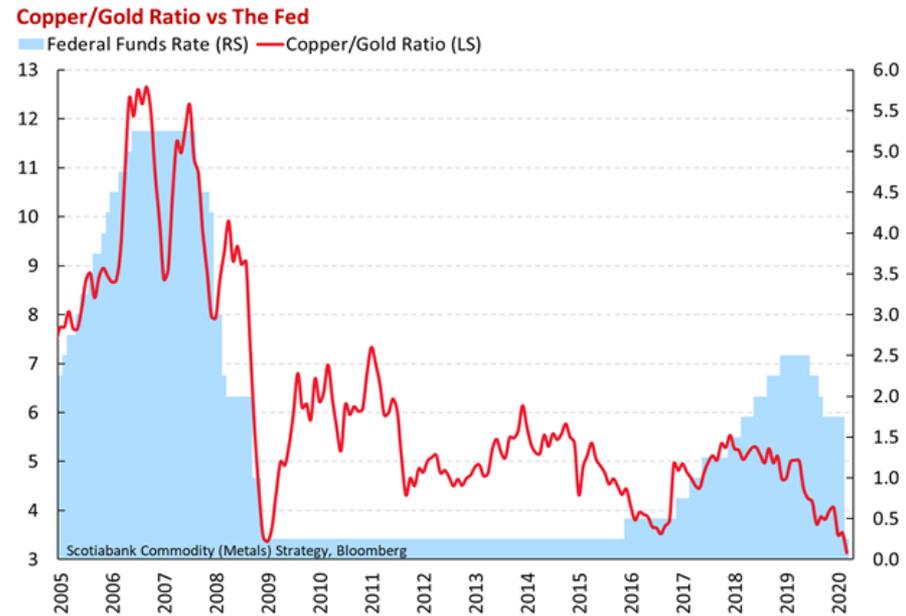
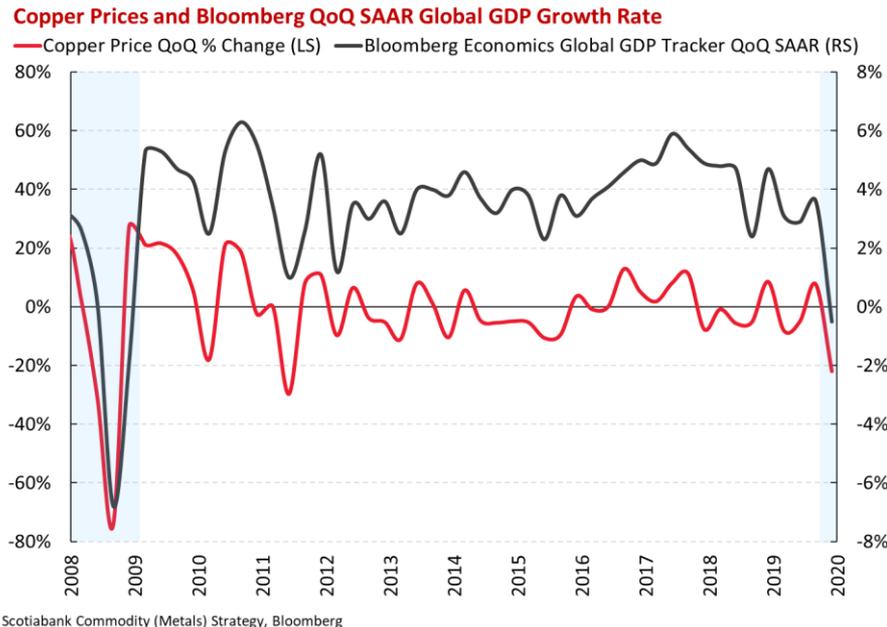
PGMs: A New Era of Higher Prices vs The Previous Decade

- (Bullish) longer-term is clearer than the (low conviction) shorter-term.
- With major supply disruptions in S.A due to national 5-week lockdown and ongoing logistical and transportation issues more than offsetting the negative demand impact auto plant closures in US, India & Europe.
- Historically and relatively tighter metals (Palladium & Rhodium) are to remain super volatile with availability sporadic and tight, while Platinum's surplus is due to narrow.
- Platinum should reset higher above \$1000; palladium to average \$2300+ in 2020.



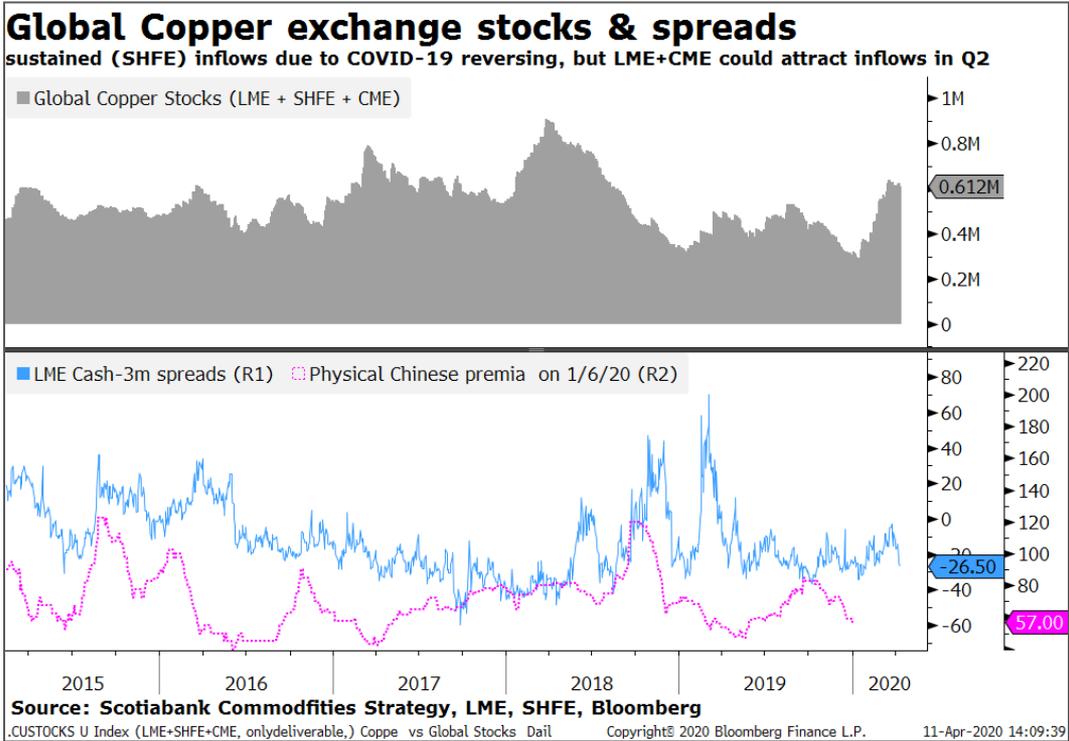
Copper: A 2nd Frustrating Year for Bulls; New Surplus with a U-shaped recovery

- Demand destruction: falling 5.7% YoY in 2020; surplus of ~540k mt, but incremental & subsequent supply cuts ensure a 'runaway surplus' is thwarted, not reversed.
- Downstream indicators in China of copper demand is improving as factories re-open (fabricators are reportedly operating ~80% of usual utilization rates)
- BUT major export headwinds loom large as the ROW has joined the cascading economic and social shutdowns. Some economic numbers confirm a soft 'v-shaped'



Copper: A 2nd Frustrating Year for Bulls; New Surplus with a U-shaped recovery

- Floors are in after macro uncertainty unwound and risk assets boosted with a possible infrastructure bill(s). Extremely under-positioned.
- The asymmetric response to the *fear* of demand, over the fear of supply will persist, limiting rallies in s/t
- Some demand will be lost, but most should be delayed until 2H and ‘triggered’ on any major stimulative efforts
- Further announced supply cuts (<2% of global supply) ‘fit the bullish narrative’ but not the dominant driver.



Copper: A 2nd Frustrating Year for Bulls; New Surplus with a U-shaped recovery

- Conviction in short-term remains low as the virus containment remains fluid & headline risk high
- A new surplus but with “U-Shaped” recovery, \$4500 - \$5100 (\$2.05-\$2.30/lbs) comfort range with upside bias on macro factors.
- But underpriced below \$5000 if outlook is ‘v-shaped’.
- Upside risks include: Weaker USD, Flat-to-lower medium-term supply (grade declines & depletions), structurally higher energy prices, reflation, Chinese or US infrastructure spend



Ali: Hard-hit by Destruction to Transportation; Awaiting Supply Response

- The old slow grind lower accelerated with global national lockdowns and escalating auto closures; demand to drastically reduce by almost 10%.
- Outright prices are falling faster than falling cost of production costs (due to the oil/energy & alumina price collapse).
- Ali balance to post a larger surplus in 2020 closer to 4m mt; prices to average \$1500/mt
- With prices through cash costs, ex-Chinese smelter closures and a slower ramp up of Chinese smelter expansions will lower surplus in 2H'2020 and particularly in 2021

Ali - the persistent grind lower breaks below downtrend channel



Source: Bloomberg, Scotiabank Commodities Strategy
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Other Base Metals

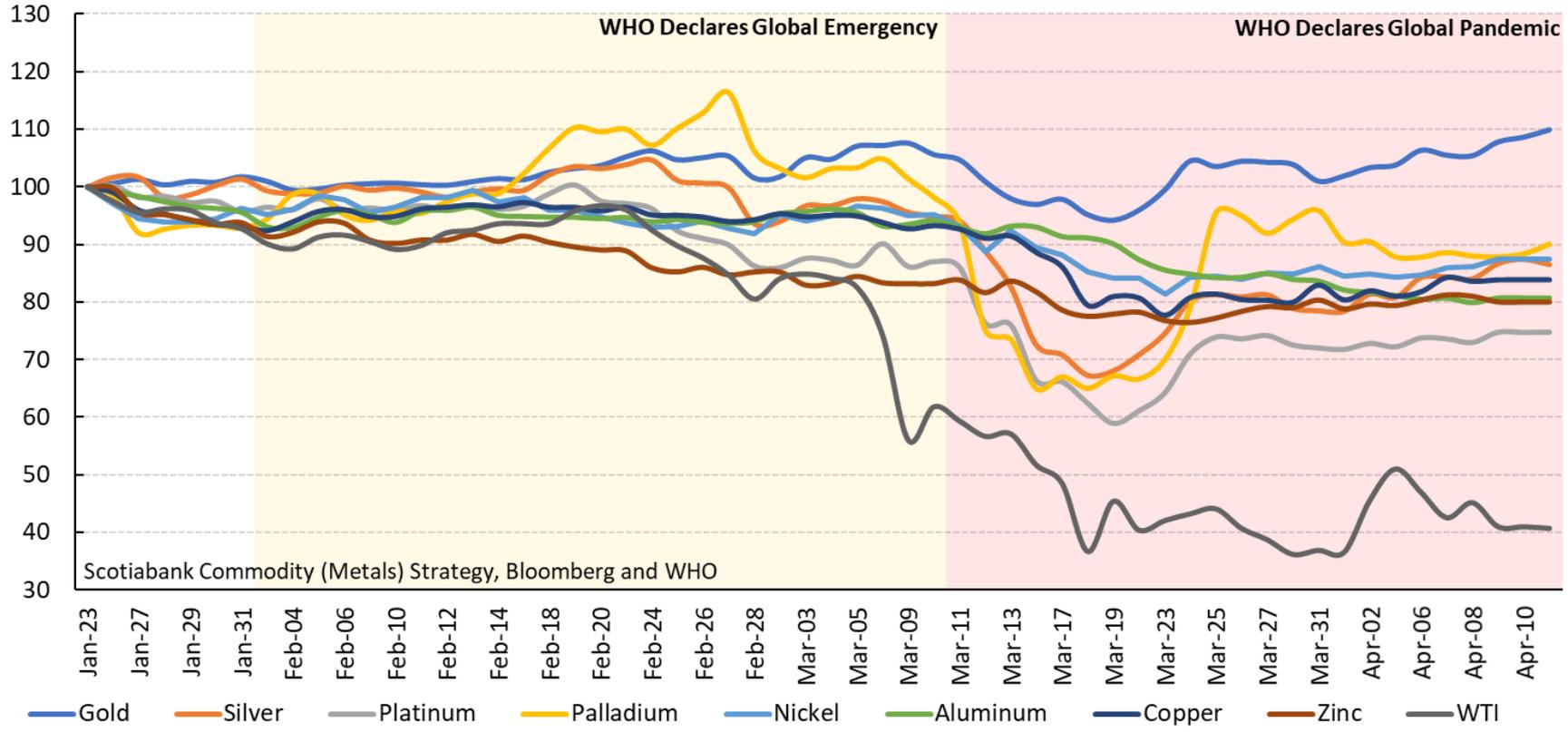
ZINC:

- Bull market period is in the past
- Demand destruction in 2020 and a structural (concentrate) surplus expected to lift exchange stocks over the next few years as it enters renewed & deeper surpluses.
- That's unless there's a convincing response via the closure of mines (due to inability to sell concentrate at economic terms)

NICKEL:

- The multi-year destocking cycle seems to have now convincingly reversed with the impact of COVID-19 on demand and balances, despite the Indonesian export ban.

Precious and Base Metal Index Performance



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