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December 2022

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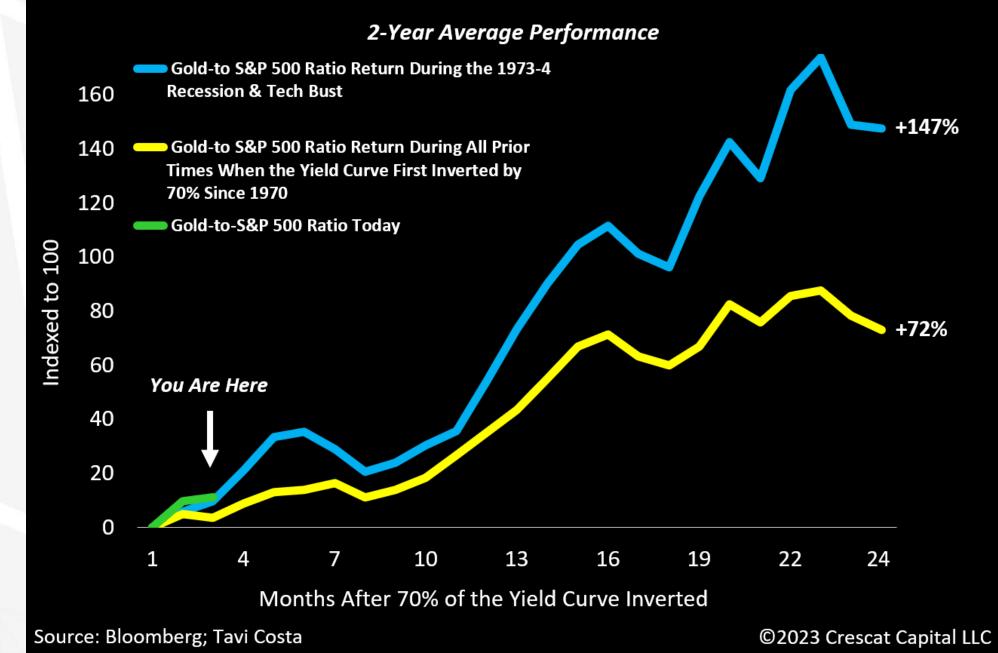
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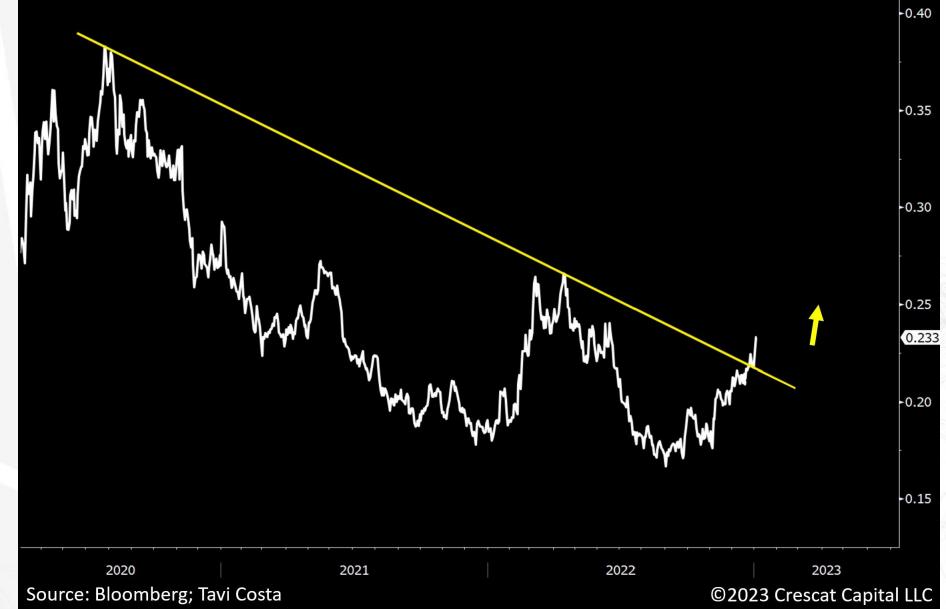


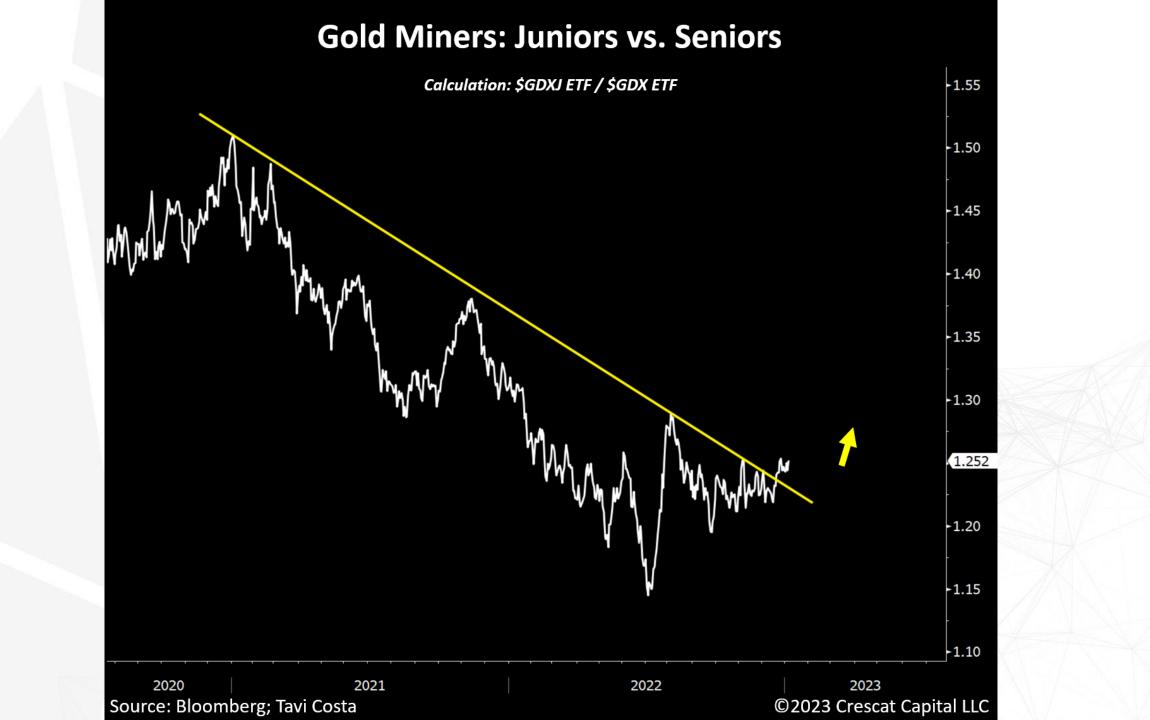
### Gold-to-S&P 500 After Yield Curve Inversions



#### Gold & Silver Miners vs. S&P 500







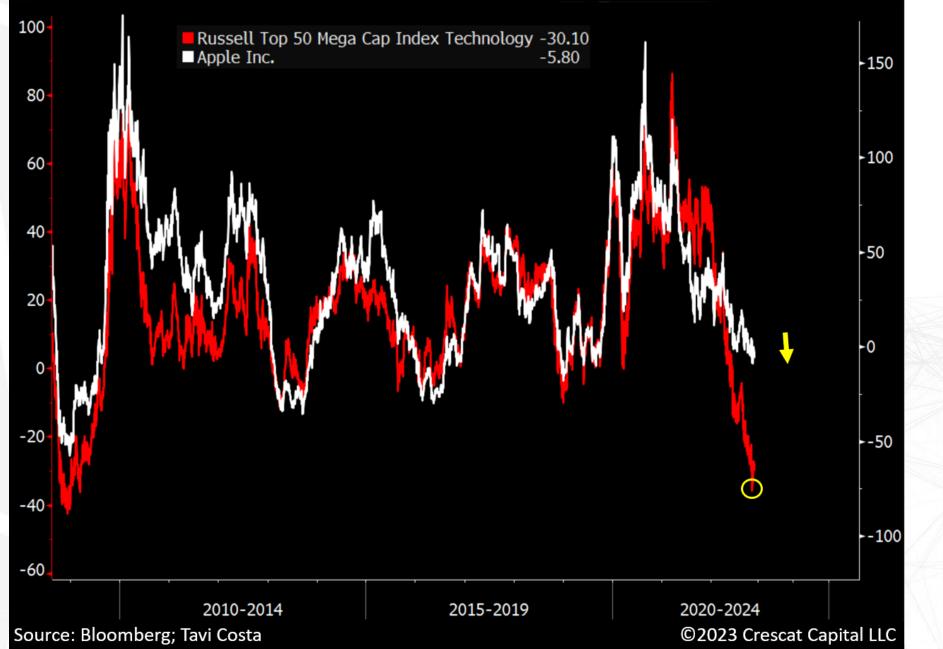


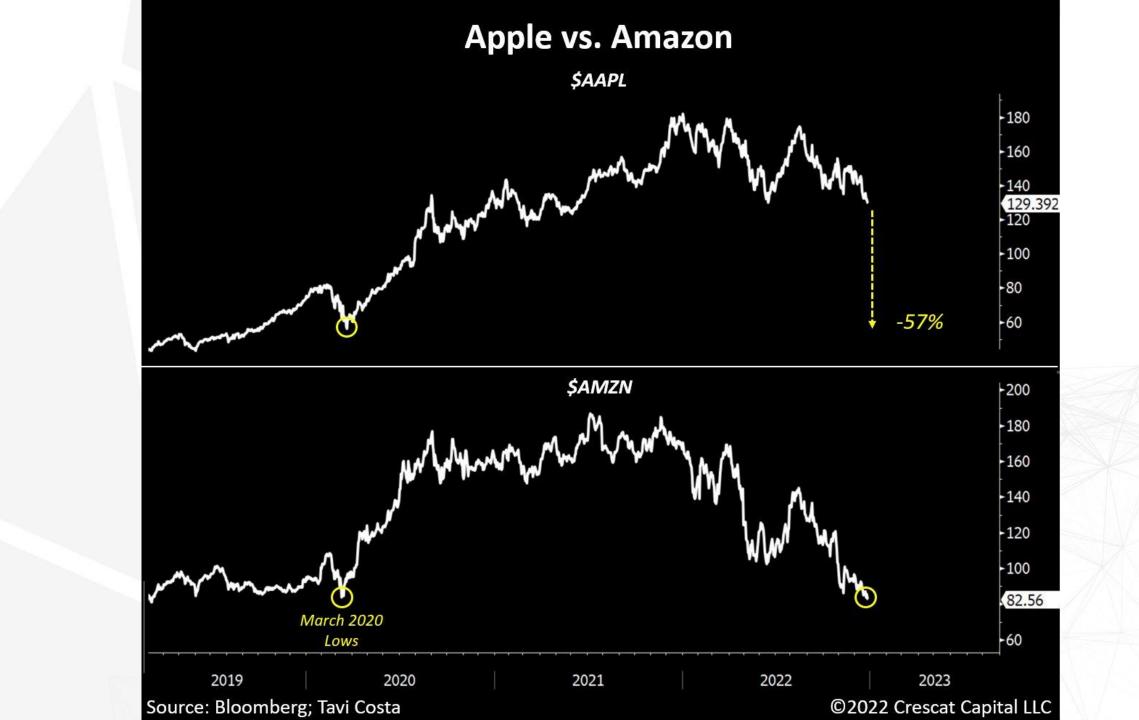
#### Tech Mega Cap Stocks: YoY Change (%)

Equal Weighted Basket of the 5 Largest US Tech Companies

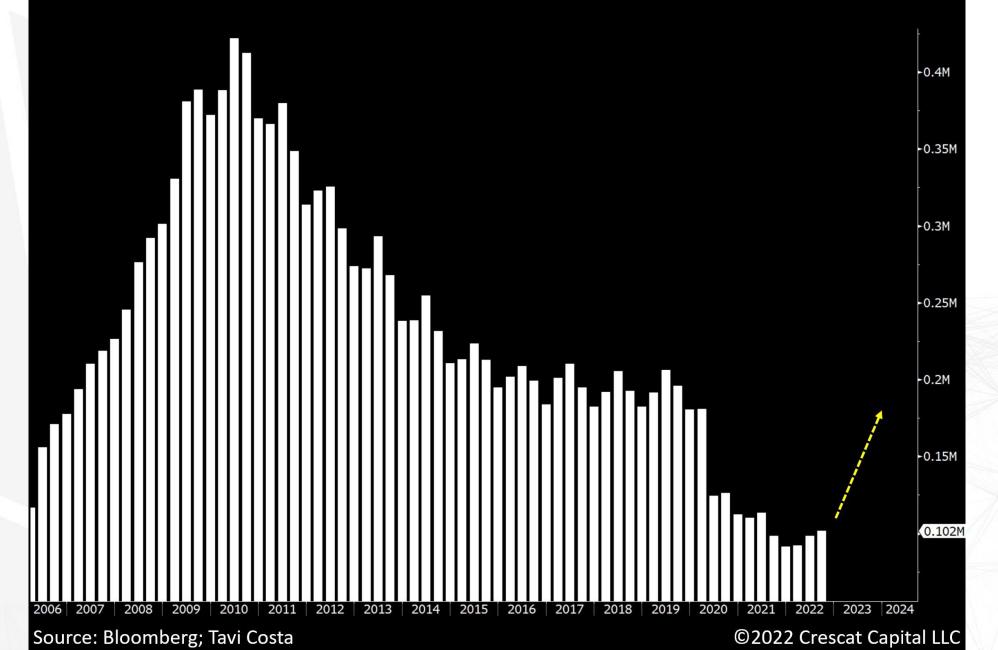


# Apple vs. Other Mega Cap Stocks



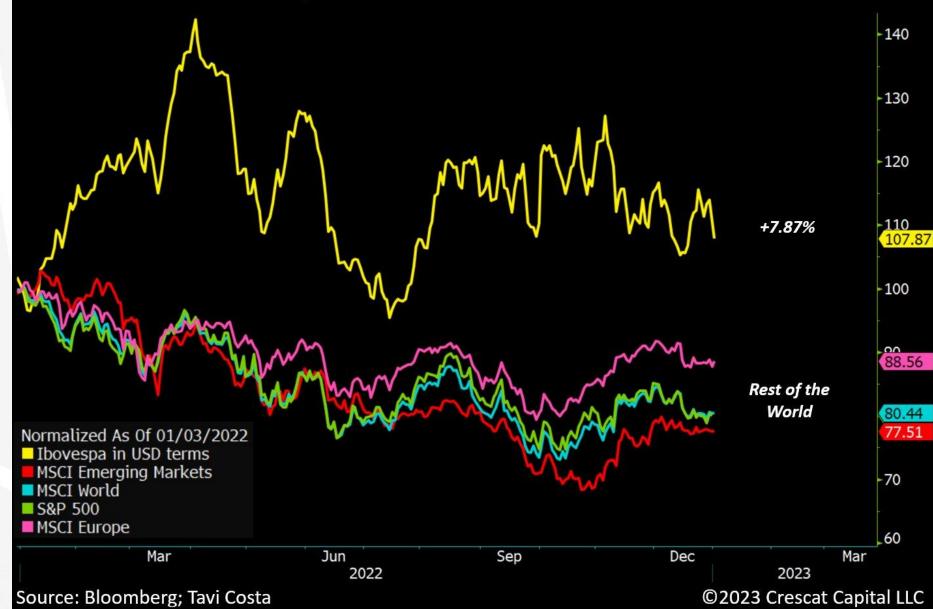


#### **US New Number of Bankruptcy Filings**

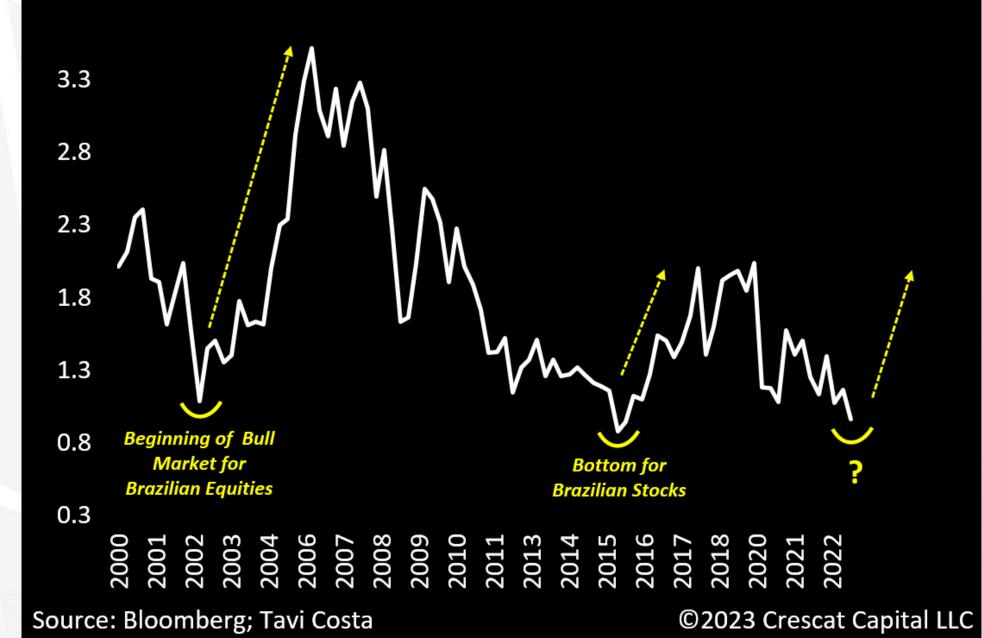


#### Brazilian Stocks vs. The Rest of the World

#### Performance in 2022 - All Indices in USD Terms



#### Top Brazilian Banks: Median Price to Book



#### Biden Has Not Spoken With US Oil and Gas CEOs, Pioneer Boss Says

- First US president to stiff oil leaders, Pioneer CEO says
- Biden administration had called for increased oil output

By Mitchell Ferman

(Bloomberg) -- President Joe Biden has not talked with US oil and gas CEOs even as his administration had called for increased output in recent months, said the boss of Pioneer Natural Resources Co., one of the biggest producers in the Permian Basin.

While Biden's team has spoken with oil and gas leaders, the president himself has not, Chief Executive Officer Scott Sheffield said, "the first US president that I know of that has not talked to anybody from our industry." Sheffield spoke on a panel at the Goldman Sachs Global Energy and Clean Technology Conference in Miami.

Sheffield added that the Biden administration doesn't understand oil and gas inventory and inflationary pressures on the industry, and he predicted a stalemate between the sector and the White House until 2024.

LIVE Even Biden Holds Meeting



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### Here's (Almost) Everything Wall Street Expects in 2023

#### By <u>Sam Potter</u> for **Bloomberg Markets** January 2, 2023

It may be one of the <u>most anticipated recessions</u> of all time, but that doesn't mean it won't hurt.

Barclays Capital Inc. says 2023 will go down as one of the worst for the world economy in four decades. Ned Davis Research Inc. puts the odds of a severe global downturn at 65%. Fidelity International reckons a hard landing looks unavoidable.

To kickstart the new year, Bloomberg News has gathered more than 500 calls from Wall Street's army of strategists to paint the investing landscape ahead. And upbeat forecasts are hard to find, threatening fresh pain for investors who've just endured the great crash of 2022.

As the Federal Reserve ramps up its most aggressive tightening campaign in decades, the consensus view is that a recession, albeit mild, will hit both sides of the Atlantic with a high bar for any dovish policy pivot, even if inflation has peaked.

Still, humility is the order of the day for prognosticators who largely failed to predict the 2022 cost-of-living crisis and double-digit market losses. This time around, the consensus could prove badly wrong once again, delivering a host of positive surprises. Goldman Sachs Group Inc., JPMorgan Chase & Co. and UBS Asset Management, for their part, see the economy defying the bearish consensus as price growth eases – signaling big gains for investors if they get the market right.

Expect an uneven year in trading. Deutsche Bank AG sees the S&P 500 Index rising to 4,500 in the first half, before falling 25% in the third quarter as a downturn bites – only to bounce back to 4,500 by end-2023 as investors front-run a recovery.

# Our ship...

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2

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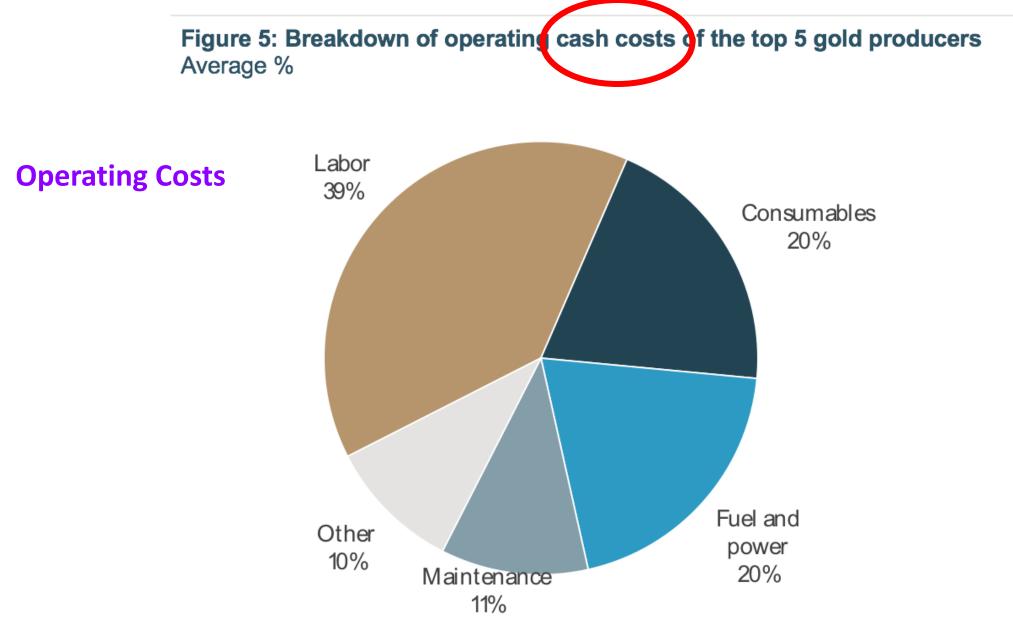
ENCHANTMENT # SEAS

# ...has arrived!



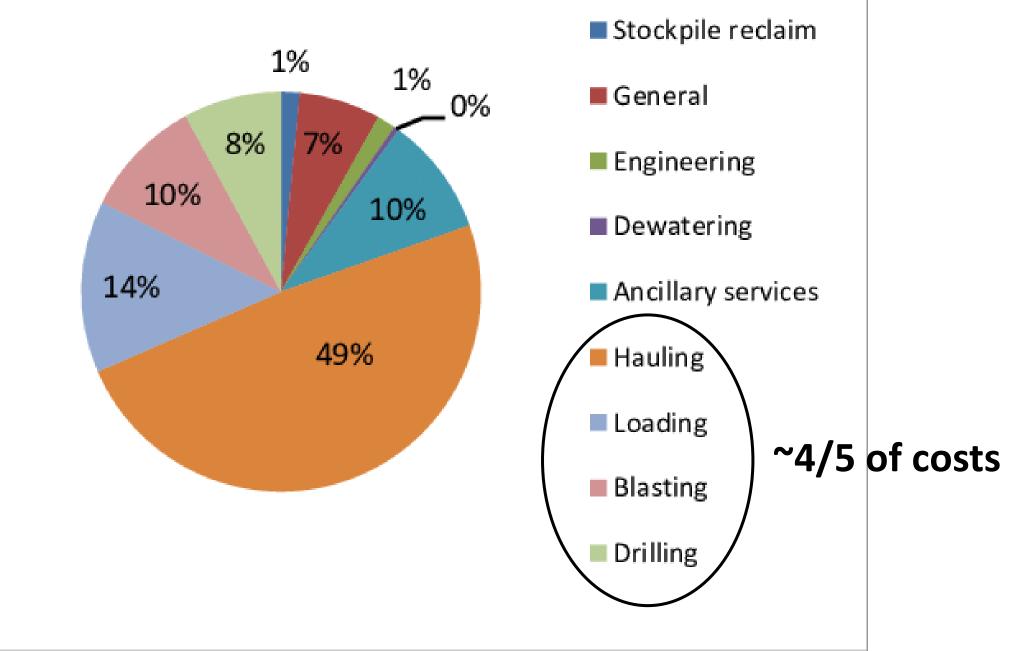






Source: Company reports, Goldmoney Research

### **Typical Distribution of Costs in an Open Pit Mine**



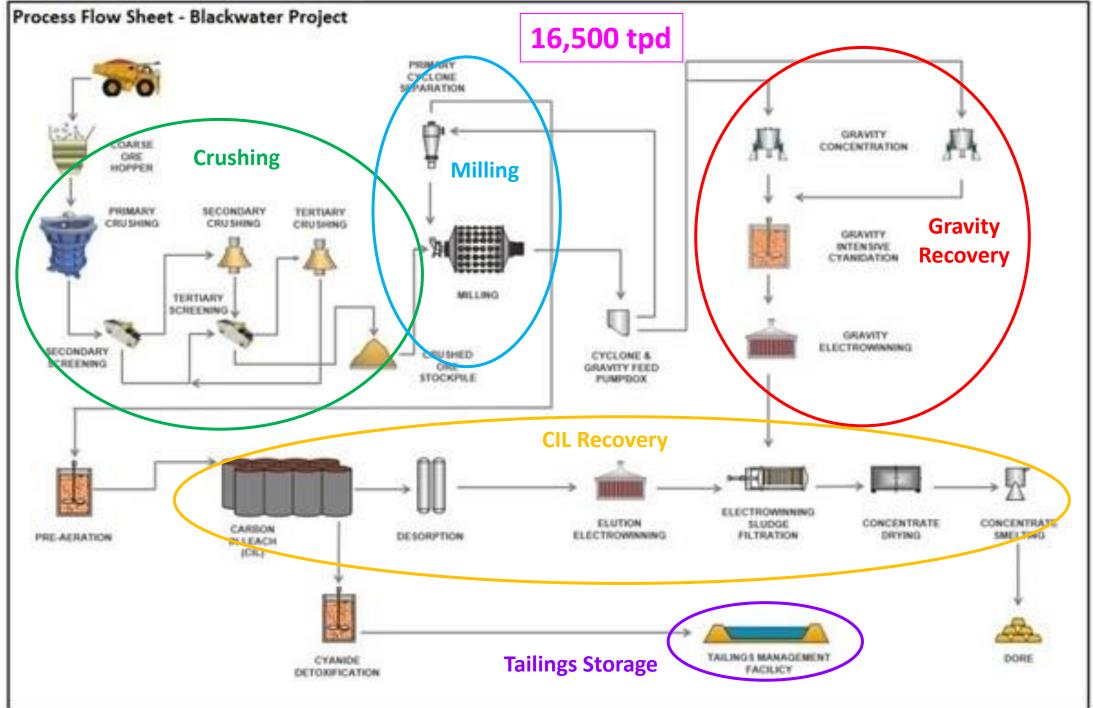


Source: Company reports, Goldmoney Research

# **Costs of Building a Mine**







### **Artemis Gold – Blackwater Project**

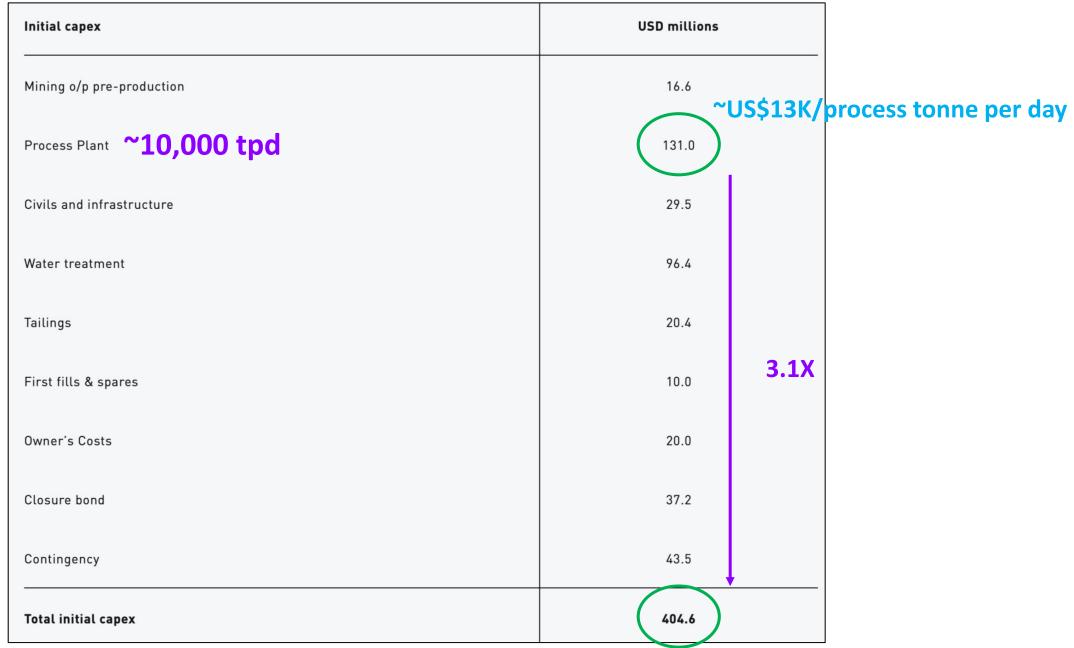
Description	(C\$ 000)			
Mining	\$64,455			
Process Plant 16,500 tpd	\$197,314	~US\$146M ~US\$9K/process tonne per day		
Tailings	\$73,141			
On Site Infrastructure	\$30,546			
Off Site Infrastructure	\$100,701			
Total Direct Costs	\$466,156			
Indirects & EPC	\$77,359	3.2X		
Owners Costs & Other	\$45,638			
Total Indirect Costs	\$122,997			
Total Directs & Indirects	\$589,154			
Contingency	\$56,015			
Total Initial Development Capital	\$645,168	~US\$470M		

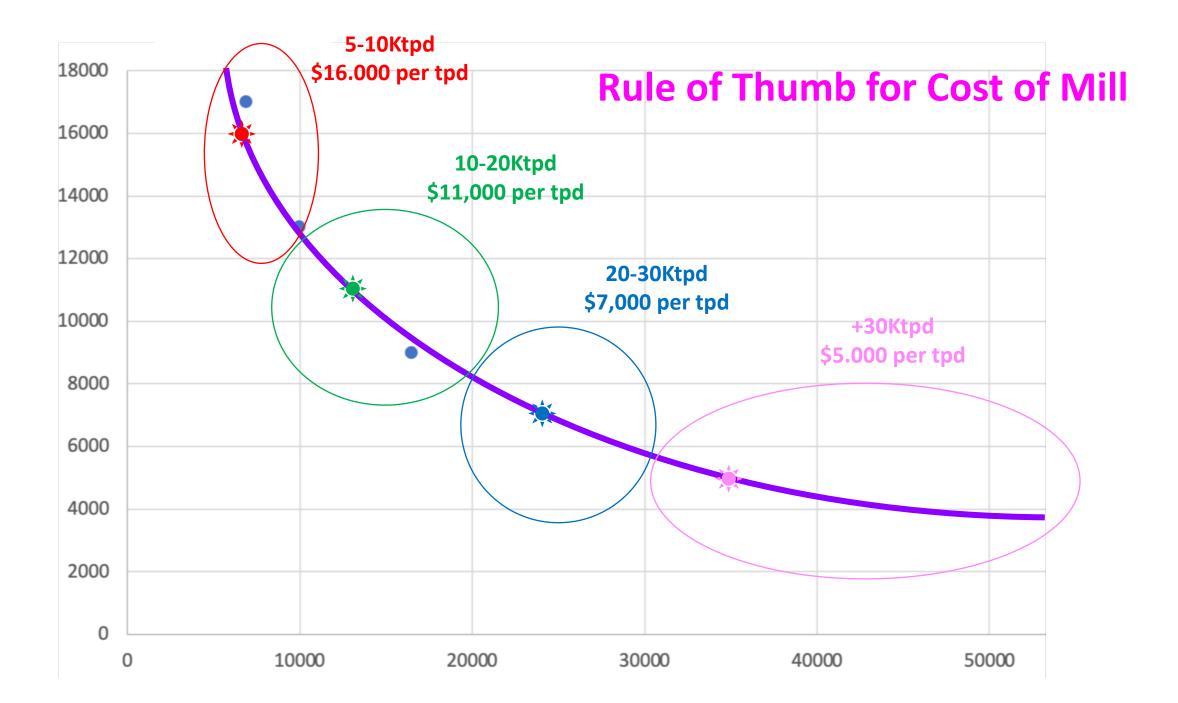
#### **Marathon Gold – Valentine Project**

#### ~US\$17K/process tonne per day

Item <sup>note 1,2</sup>	Cost (C\$M)
Mining Capex	\$67
Process Plant ~6,900 tpd	\$162 <b>~US\$119M</b>
Infrastructure	\$120
Offsite Infrastructure	\$22
Contractor Indirects	\$34
Project Delivery	\$21 <b>2.9</b>
Owners Cost	\$71
Contingency	\$39
Sunk Capital <sup>note 3</sup>	\$ 71
Remaining Initial Capital <sup>note4</sup>	\$ 463 ~US\$340N

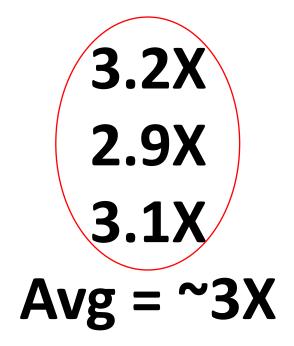
#### **Marathon Gold – Valentine Project**





# **Rule of Thumb for Project Build Cost**

Avg from three examples



## **First Order Approximation**

**Example:** 

Project: "Goldbug," MI&I 100,000,000 tonnes grading 1.5 gpt

Pick an appropriate mine life: 12 yrs

Calculate tonnes per day: 100,000,000 **\***12 **\***350 = ~24,000 tpd

Use rule of thumb for cost of mill and multiply by tpd (\$7K here): 24,000 X \$7K = \$168M

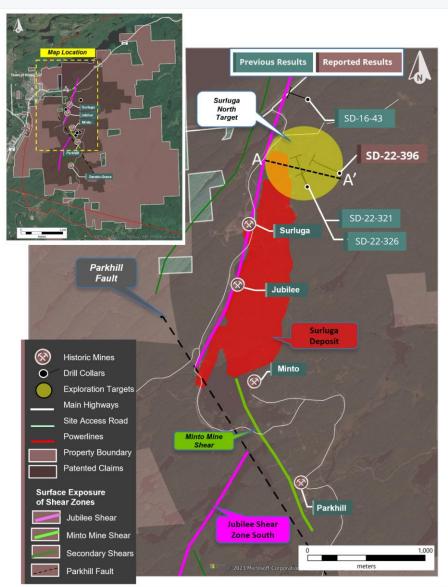
Total cost (mill cost X3): 3 X \$168M = \$504M

Gold production (assume 90% rec): 24Kt/d X 350d/yr X 90% X 1.5gpt Au + 31.1g/oz = 365Koz/yr

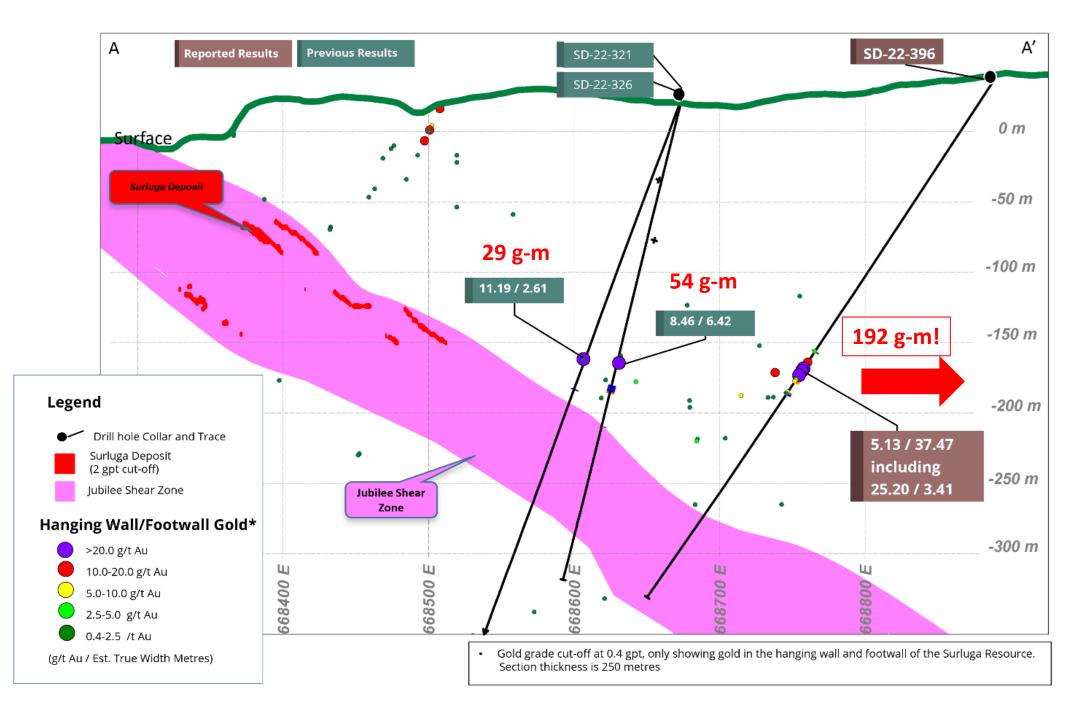


UPDATE: Red Pine Reports its Thickest High Grade Intersection in the Hanging Wall of the Jubilee Shear Zone: 5.13 g/t gold over 37.47m, including 25.20 g/t gold over 3.41m

RPX TSX.V RDEXF





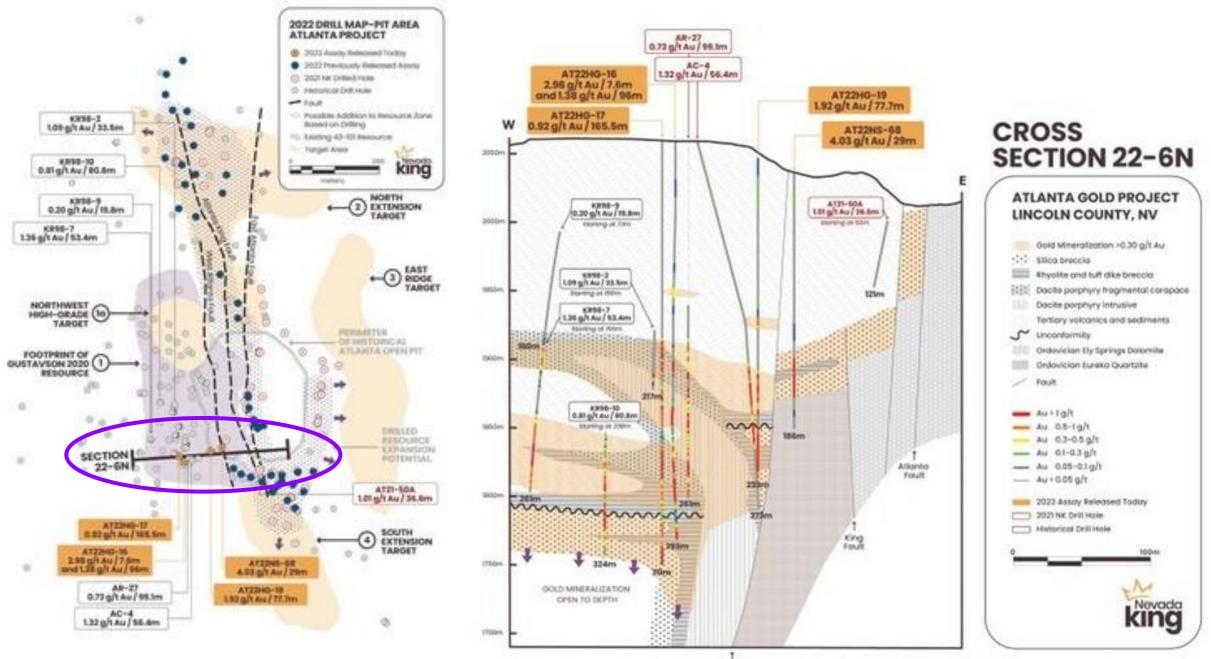


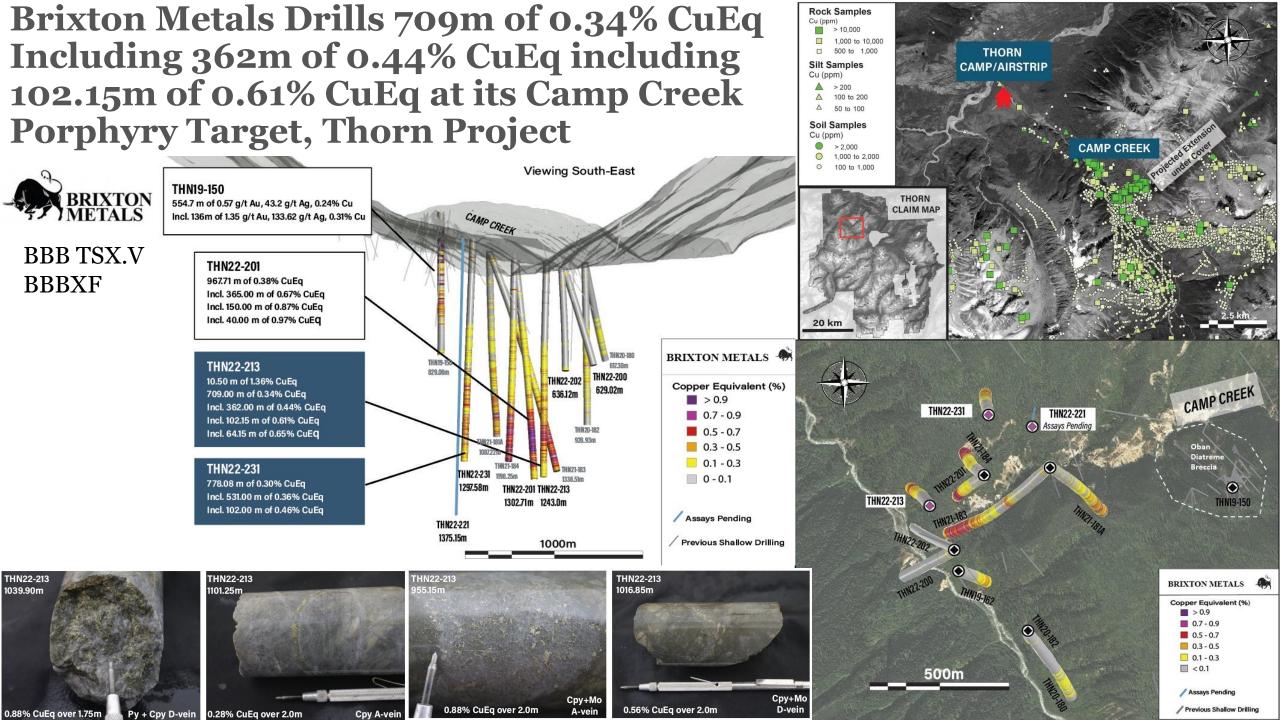


NKG TSX.V NKGFF

#### NEVADA KING INTERCEPTS HIGH-GRADE OXIDE GOLD WEST OF ATLANTA PIT INCLUDING 4.0 G/T AU OVER 29M & 1.9 G/T AU OVER 78M; DRILLS INTO GOLD MINERALIZED INTRUSIVE ROCK AT DEPTH

Hole No.	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Notes
AT22HG-16 *	163.1	170.7		2.98 <b>3 g-m</b>		*Bottomed in mineralization
And	196.6	292.7		1.38 2 g-m		*Bottomed in mineralization
Including *	289.6	292.7	3.0	9.16	39.2	* Bottomed in mineralization
AT22HG-17 *	146.3	311.0		0.92 <b>2 g-m</b>		* Bottomed in mineralization
AT22HG-19 *	155.5	233.2		1.92 <b>9 g-m</b>		* Bottomed in mineralization
Including	207.3	224.1	16.8	4.76	86.8	
AT22NS-68	134.1	163.1		4.03 7 g-m	21.2	
Including	157.0	160.1	3.1	10.03	18.5	







#### Blue Lagoon Resources Announces Results of 2022 Ground IP and CSAMT Survey on Its Dome Mountain Gold Project

Hole DM-22-273 was drilled into the steeply dipping Resistivity anomaly to test for deep mineralization on the Boulder Vein at least 200 meters below the current resource level of the Boulder Vein resource (see press release February 10, 2022). The hole was successful in hitting the deeper and untested portion of the Boulder Vein and included a pyrite mineralized quartz breccia zone at 290 meters depth (7-10% pyrite with trace bornite and chalcopyrite). Between 295 m - 308 m a series of quartz veins were intercepted containing pyrite (13-20%), chalcopyrite (5-7%) and sphalerite (0.5 -3%). This is a significant mineralized zone (over 16 m thick) in the deeper Boulder Vein and sits in strong correlation to the modeled Ground IP section in Figure 4.

This mineralization sits within an overall steeply dipping structure at least 20 meters thick.

Results are pending for samples submitted from hole DM-22-273 however, a diamond drill rig is sitting at this collar location now and follow up drilling of this intercept (down dip and along strike) will be the first priority for the 2023 drilling program expected to begin mid-January.



NFG TSX.V NFGC OTC

#### New Found Gold Increases Queensway Drill Program to 500,000 Meters

#### Highlights

•During 2022, New Found drilled 184,911m of core, employing an average of fourteen drill rigs. This equates to 3,555m of core production per week, with significant operating efficiencies experienced in the second half of the year.

•Following the Holiday break, New Found has restarted drilling and moving forward, the Company intends to use an average of 12 drill rigs, including a maximum ramp-up to 14 drill rigs throughout 2023 as it continues its aggressive exploration program. As a result, **New Found is now planning to drill a total of 500,000m** as part of its ongoing drilling program at the Queensway Project by the end of 2023.

•With 319,000m of drilling completed to date, the Company is forecasting 181,000m of core production during 2023. This expanded drill program is fully funded out of the Company's current cash and marketable securities balance of \$90 million.

Exploration drilling will include a hybrid of targeted drilling, aimed at expanding existing zones and identifying new zones in highly prospective areas, as well as grid drilling aimed at testing open swaths of prospective strike along main fault structures, with a strong emphasis on the west side of the Appleton Fault Zone ("**AFZ**"). Drilling is also planned for the parallel JBP Fault Zone ("**JBP**") at Queensway North, the newly optioned VOA ground to the north, and at Queensway South.





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**Crescat Capital Presentation**