

Risk Examination – December 2021

A quarterly update on our views of the complex risk factors in global markets



Valuation

- Global asset valuations remain high in cap-weighted indexes with the majority of beta risk being driven by technology stocks. Superior earnings results were powered by large tech stocks during 2021 despite record valuations.



Earnings

- The quick bounceback in the economy from the initial COVID shock resulted in abnormally higher than normal earnings. The challenge now remains whether these same companies can continue to deliver superior earnings in the face of higher inflation and the economic effects of the new Omicron variant.



Macroeconomic

- Financial suppression resulting in negative real interest rates and an excessive debt burden has created even greater economic inequality, rampant asset inflation and little room for policy error moving forward. Growth should moderate from recent levels and real rates are most likely to remain negative with the burden of debt being pushed even further down the road.



Liabilities

- Liabilities have exploded on government and corporate balance sheets over the last cycle. Household borrowing rates are not far behind. The shift now should be on balance sheet repair and debt repayment and not on earnings growth and increased individual spending. This will likely place additional pressure on growth and governments to provide extra stimulus programs to re-start the global economy.

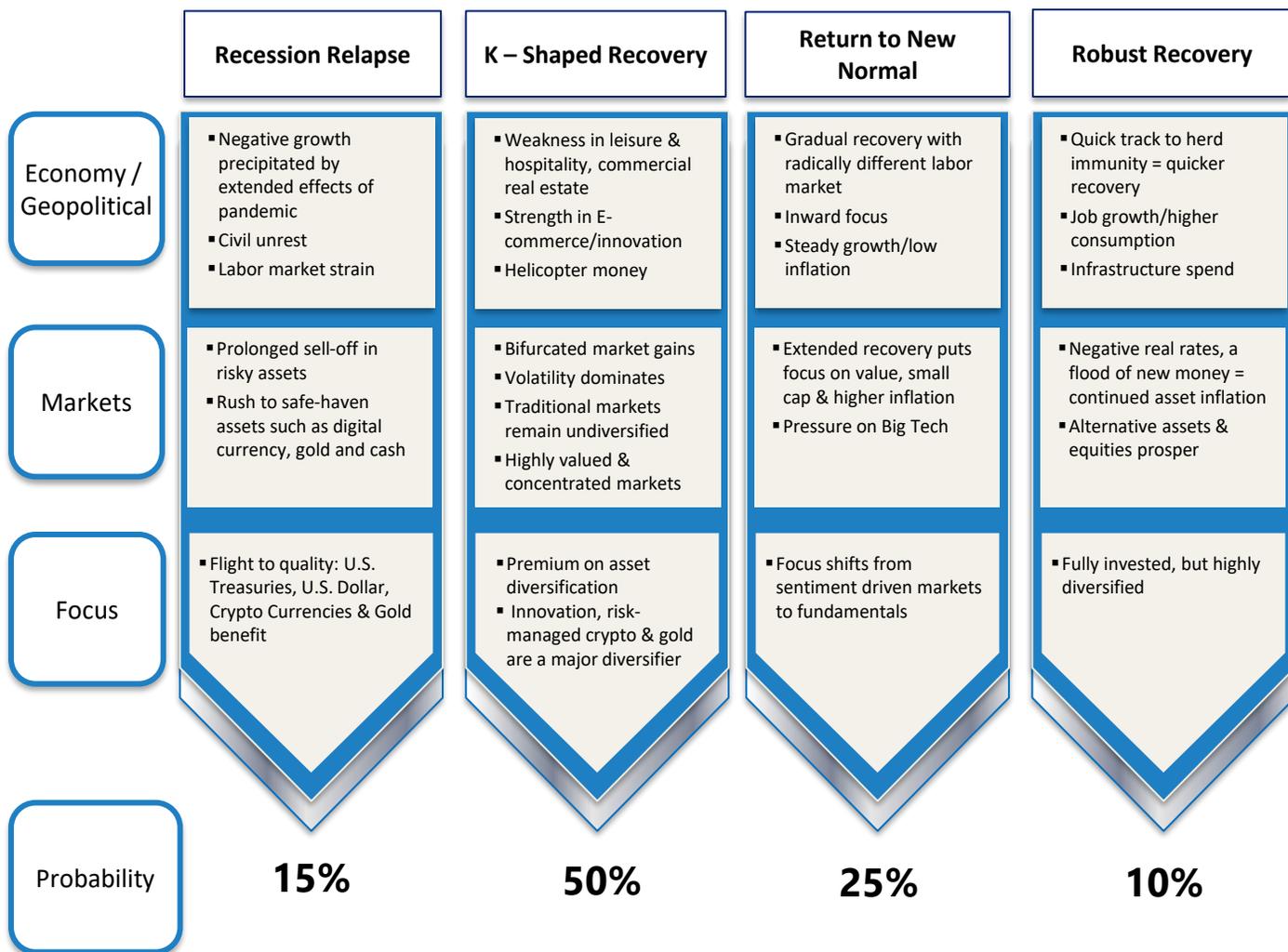


Technical/Sentiment

- The biggest driver of security price swings since COVID-19 has been investor psychology and sentiment, rather than investment or macroeconomic fundamentals. The radical uncertainty with the onset of the global virus pandemic has resulted in highly volatile equity and credit markets.
- In our view, many market participants do not really understand market risk as many have never experienced a 25%-40% drawdown in stock prices.

2021 – 2022 Economic and Investment Scenarios

Our assessment of potential macro scenarios



< < < **Downside** < < <

| > > > **Upside** > > >

Risks

- ◀ Pandemic rages into fall/winter – new variants
- ◀ Civil unrest, supply chain disruptions and food shortages
- ◀ Runaway debt growth on pace to equal Japan
- ◀ Higher rates of poverty and social displacement
- ◀ Further job displacement – weak demand

- ▶ Effective use of fiscal stimulus spurs economic growth
- ▶ Globalization returns
- ▶ Labor market returns with shift in focus and higher productivity
- ▶ Strong real economic growth and productive use of credit
- ▶ Raises the wealth effect across multiple sectors

Portfolio Asset Class Positioning

PORTFOLIO SEGMENT / SEGMENT OBJECTIVE	SEGMENT CONSTITUENTS	SEGMENT COMMENTS
<p>Equity</p> <p><i>Low-Cost, Systematic, and Factor Exposure</i></p>	<ul style="list-style-type: none"> ▪ Global systematic equity beta exposure to investment & economic fundamentals ▪ Emphasis on diversified market exposure both in U.S. and non-U.S. markets with no one dominant factor tilt 	<ul style="list-style-type: none"> ▪ Higher exposure to U.S. mid cap and global small cap ▪ Favor higher growth regions and sectors with attractive valuations ▪ Longer-term, market driven by value, but in shorter-term growth and momentum can dominate
<p>Fixed Income</p> <p><i>Seek to Preserve Capital, and Diversify Equity Exposure</i></p>	<ul style="list-style-type: none"> ▪ Overweight low duration and high quality ▪ Continued exposure to fallen angels ▪ Not a time to “reach for yield” ▪ Exposure to asset-backed & private mortgages 	<ul style="list-style-type: none"> ▪ Favor intermediate duration or less ▪ Favor quality credit over rates ▪ Selective, short duration high yield ▪ Issuer selection critical ▪ BBB segment is crowded
<p>Opportunistic</p> <p><i>Highest Conviction Ideas Based on 12-24 Month Proprietary Forecasts</i></p>	<ul style="list-style-type: none"> ▪ Emphasis on disruptive innovation themes ranging from 3D technologies to immunotherapies ▪ Active core innovation portfolio with systematic over-weight exposures to E-commerce, medical instruments, cloud computing & cybersecurity 	<ul style="list-style-type: none"> ▪ Reflects Palladium’s shorter-term model (value and momentum) ▪ Seeking participation in select themes with attractive return potential based on innovative technologies such as 3D printing, gene therapies, digital wallets, renewable energy and AI
<p>Alternative</p> <p><i>Anticipated Risk Mitigation with Alpha Opportunities</i></p>	<ul style="list-style-type: none"> ▪ Risk Managed Digital Assets ▪ Hedged Equity ▪ Merger Arbitrage ▪ Global Macro – Credit ▪ Carbon Credits 	<ul style="list-style-type: none"> ▪ Lower than average return and higher risk expectations for equities and bonds presents the challenge of providing uncorrelated sources of risk and return. ▪ We favor exposure to risk-managed approaches to investing in cryptocurrencies & blockchain technology. Also favor exposure to global carbon credits

All investments are subject to risk, including the loss of principal. For additional information about the Palladium Investment Portfolios, please refer to the Disclosures at the end of this report.

Important Disclosures

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It is important to remember that there are risks inherent in any investment and that there is no assurance that any investment, asset class, style or index will provide positive performance over time. Diversification and strategic asset allocation do not guarantee a profit or protect against a loss in a declining m]

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Palladium has sole discretion to change allocations to styles and vehicles at any time.

Index definitions:

“U.S. Large Cap” represented by the S&P 500 Index.

“U.S. Small Cap” represented by the Russell 2000 Index.

“International” represented by the MSCI Europe, Australasia, Far East (EAFE) Net Return Index.

“Emerging” represented by the MSCI Emerging Markets Net Return Index.

“U.S. Aggregate” represented by the Bloomberg U.S. Aggregate Bond Index.

“U.S. Government” represented by the Bloomberg U.S. Government Bond Index.

“U.S. Corporate” represented by the Bloomberg U.S. Credit Bond Index.

“U.S. High Yield” represented by the Bloomberg U.S. Corporate High Yield Index.

“Non-U.S. Developed” represented by the S&P International Treasury ex U.S. Index.

“Emerging Market Debt” represented by the JP Morgan GBI-EM Global Core Index

“REITs” represented by the FTSE North American Real Estate Investment Trust (REIT) Equity REITs Index.

“Commodities” represented by the Dow Jones Commodity Index .

“Managed Futures” represented by the Credit Suisse Managed Futures Index.

“Global Macro” represented by the Credit Suisse Global Macro Index

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