

April 2020 update for Radius Capital Management

PERFORMANCE AT A GLANCE

Portfolio/Index	April Return	YTD Return To 4/30/2020
Radius 100 (100% stock mutual funds)	10.8%	-8.7%
Radius Index 100 (100% stock ETFs)	12.0%	-13.7%
U.S. Stock Benchmark (Vanguard S&P 500 Index Fund)	12.8%	-9.3%
Balanced Risk Max (target risk/volatility same as S&P 500)	7.6%	-7.3%
Radius Bond (100% bond mutual funds)	1.9%	-0.6%
Radius Index Bond (100% bond ETFs)	1.0%	3.0%
Bond Benchmark (Vanguard Total Bond Index Fund)	1.7%	5.0%

Financial markets rallied in April after an abysmal March on the announcement of various government and central bank stimulus packages. COVID-19 continues to spread globally, but some countries saw daily new infection rates start to fall and have begun planning to gradually reopen their economies. The CBOE Volatility Index (or VIX, a measure of the underlying market's risk) declined from the extreme levels seen in March and continues to fall. Still, given the depth of job losses and the global economic slowdown, we are not confident that this period of volatility is over. Developed stock markets outperformed emerging markets and growth stocks outperformed value. The S&P 500 index returned 12.8% and as of 4/30 has gained over 30% from its low on 3/23. Global bond markets also rallied as central banks committed to purchase more government and corporate bonds.

Despite April's rebound, considerable uncertainty remains regarding global growth over the coming months. For this reason, we strongly recommend that investors remain prudent and expect further volatility. The best way to protect from long-term investment declines is to spread one's investments across multiple, uncorrelated asset classes. Since a decline in stock prices changes neither your risk tolerance nor your investment time horizon, the wise choice is to remain invested (albeit conservatively and well-diversified) through any market pull-back. Attempting to "time the market" is seldom a successful strategy and we would not recommend you do so.

MARKET CHARACTERISTICS

Stock market volatility [§]	High (monthly avg. = 41, month end = 34)
Business Cycle Phase	Early recession
Dominant Investment Style (active vs. passive)	Active

[§] In general, the higher the market volatility (as measured by the CBOE Volatility Index or VIX), the more the market is driven by investor emotions (greed and fear). Lower market volatility indicates a market environment based on fundamentals (economic growth, corporate earnings, etc.). The long-term average for the VIX is 20, 30 is considered high, 40 very high, and 50+ extreme.

CURRENT RISK-ADJUSTED RETURN (RAR) RANKINGS OF MARKET SEGMENTS

RAR Rank	Stock Market Segments	1-Mo. Return	April RAR	Bond Market Segments	1-Mo. Return	April RAR
1	Large Growth	15.1%	6%	Intermediate Government	0.3%	15%
2	Mid-Cap Growth	15.9%	-7%	Short Government	0.2%	14%
3	S&P 500	12.8%	-9%	Long Government Bond	1.7%	8%
4	Small Growth	16.5%	-11%	Total Bond Index	1.7%	8%
5	Foreign Large Growth	8.6%	-16%	Long Corporate Bond	7.1%	2%
6	Large Value	10.7%	-22%	Worldwide Bond	1.5%	2%
7	Mid-Cap Value	12.7%	-27%	Intermediate Corporate	4.9%	1%
8	Small Value	12.9%	-29%	Short-Term Corp Bond	2.9%	-0%
9	Foreign Large Value	6.4%	-33%	High Yield Bond	3.9%	-5%

LONG-TERM PERFORMANCE THROUGH 4/30/2020

The longer-term performance of the Radius portfolios continues to be strong. Since inception (1/1/2001), the Radius 100 portfolio has generated a *net* cumulative return of +272% (7.0% annualized) vs. a cumulative return of +217% (6.1% annualized) for the benchmark S&P 500 – with a comparable level of risk (i.e., standard deviation of monthly returns, maximum drawdown, and beta). Over the same time period, the more conservative Radius 60 (60% stock mutual fund, 40% bond mutual fund) portfolio grew +224% (6.3% annualized) vs. a +201% return (5.9% annualized) for its benchmark (60% S&P 500 Stock Index and 40% Total Bond Index).

Past performance is no guarantee of future results. It should not be assumed that investment decisions made in the future will be profitable or will equal the performance of the portfolios shown above.

Long-Term Performance (net of fees) to 4/30/2020

For S&P 500*, Bond Index*, Radius¹ 100, 60, & 20 Portfolios
Index² 100, Balanced Risk^{2,3} Max, Plus, and Basic Portfolios²

	S&P 500	Bond Index	Radius 100 ¹	Index 100 ²	Balanced Risk Max ^{2,3}	Balanced Risk Plus ^{2,3}	Radius 60 ¹	Balanced Risk Basic ²	Radius 20 ¹
Inception Date			Jan. 2001	Aug. 2014	Oct. 2019	April 2015	Jan. 2001	April 2015	Nov. 2003
% in Stock Funds	100		100	100	30	23	60	21	20
% in Bond Funds		100	-	-	94	67	40	51	80
% in Real Estate					5	7		6	
% in Commodities					37	30		22	
Total			100	100	166	127	100	100	100
Net Cumulative Returns (net)									
2020 YTD	-9%	5%	-9%	-14%	-7%	-5%	-5%	-1%	-2%
1-Year	1%	11%	-2%	-6%	13%	5%	1%	7%	3%
3-Year	29%	16%	14%	12%	29%	13%	11%	14%	8%
5-Year	54%	20%	19%	26%	38%	18%	15%	19%	10%
10-Year	198%	45%	96%	129%	155%	92%	67%	67%	39%
Since 1/1/2001	217%	141%	272%	238%	1122%	577%	224%	277%	156%
Net Annualized Returns									
3-Year	9%	5%	4%	4%	9%	4%	4%	4%	3%
5-Year	9%	4%	4%	5%	7%	3%	3%	4%	2%
10-Year	12%	4%	7%	9%	10%	7%	5%	5%	3%
Since 1/1/2001	6%	5%	7%	7%	14%	10%	6%	7%	5%
Risk Measures									
Beta	1.00	-0.01	0.99	1.05	0.59	0.46	0.62	0.33	0.22
Max Drawdown	-51%	-4%	-57%	-52%	-30%	-24%	-38%	-17%	-13%
Std. Deviation	15%	4%	17%	16%	15%	11%	11%	8%	5%
Correl. to S&P	1.00	-0.09	0.89	0.96	0.58	0.60	0.86	0.63	0.65

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* **Benchmarks:** S&P 500 Stock Index = Vanguard S&P 500 Stock Fund (VFINX), Bond Index = Vanguard Total Bond Fund (VBMFX)

Footnotes:

- Investment return numbers for the Radius 100 and Radius 60 reflect the (unaudited) performance of actual portfolios that have been invested since 1/2001. For the period prior to its inception date, the returns for the Radius 20 are calculated using the actual returns from the Radius 100 and 60.
- Returns for the Index portfolio prior to 8/2014, the Balanced Risk Basic and the Balanced Risk Plus prior to 4/2015, and the Balanced Risk Max portfolio prior to 10/2019 are **back-tested** and not actual returns of accounts managed by Radius. Back-tested (simulated) performance results have certain inherent limitations. Unlike an actual performance record, simulated results do not represent actual trading. Also, since the trades have not actually been executed, the results may have under- or over-compensated for the impact, if any, of certain market factors, such as lack of liquidity. Simulated investment strategies in general are also subject to the fact that they are designed with the benefit of hindsight. No representation is being made that any account will or is likely to achieve profits or losses similar to those shown.
- The Balanced Risk Plus and Max portfolios invest part of their assets in leveraged ETFs. These funds seek daily investment results – before fees and expenses – that are triple the return of stock (S&P 500, NASDAQ, Russell 2000), bond (20+ Year Treasury Bond), commodity (gold, oil), and real estate market indices. Using these leveraged ETFs results in greater volatility and a greater risk of loss.

Other Notes:

- All performance numbers include dividends and capital gains and are net of all transaction costs and management fees, but do not reflect the impact of taxes.
- Data Sources: Account statements, Vanguard.com

COMPANY OVERVIEW

Radius Capital Management is a registered investment advisory company specializing in diversified mutual fund and ETF portfolios. Radius currently manages assets for individuals, retirement and profit-sharing plans, and trusts.

Investment Strategies

- **Radius Strategy** (Active Market-Correlated Momentum): Seeks to invest in the mutual funds that have the best risk-adjusted returns over the past 1-year.
- **Index Strategy** (Passive Market-Correlated Momentum): Invests in broad-based passive market indices and holds them for at least one year to avoid short-term capital gains.
- **Balanced Risk** (Multi-Asset Risk Parity): Seeks to balance the portfolio risk exposure to generate more stable portfolio returns in all market/economic environments.

ADDITIONAL INFORMATION

If you have any questions about the investment approach or would like to learn more about Radius Capital Management, please visit www.radius-capital.com or send an e-mail to info@radius-capital.com.

DISCLAIMER:

The information provided in this newsletter is not intended as specific investment advice, nor therefore, as a recommendation to buy or sell a specific security or other financial instrument. Investments mentioned in this newsletter may not be suitable for certain investment objectives. For specific investment advice, please contact Kimball Halsey.

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