

August 2019 update for Radius Capital Management

PERFORMANCE AT A GLANCE

Portfolio/Index	August Return	YTD Return To 8/31/19
Radius 100 (100% stock mutual funds)	0.0%	18.6%
Radius Index 100 (100% stock ETFs)	-3.1%	12.0%
U.S. Stock Benchmark (Vanguard S&P 500 Index Fund)	-1.6%	18.3%
Balanced Risk 75 Portfolio (target risk/volatility vs. S&P = 75%)	4.0%	19.0%
Radius Bond (100% bond mutual funds)	2.7%	8.3%
Radius Index Bond (100% bond ETFs)	2.9%	8.3%
Bond Benchmark (Vanguard Total Bond Index Fund)	2.8%	9.3%

August was an unusually busy month for financial markets. The tone of the month was set on the first day with a surprise tweet by President Trump announcing his intention to impose a 10% tariff on roughly \$300 billion of Chinese imports. The news triggered a spate of retaliatory measures from China, and in return from the US. This tit-for-tat activity only abated at the end of the month when both countries adopted a slightly more conciliatory tone. Fresh economic data indicated that the US is not immune from the global economic slowdown as a) a US Manufacturing index fell to its lowest reading since September 2009, and b) Consumer Sentiment data fell on the perceived increased risk of a recession following the inversion of the US yield curve in mid-August. These concerns prompted a sell-off of stocks in favor of traditionally "safer" bonds and gold. In August the S&P 500 fell 1.6% whereas the Total Bond Index gained 2.8% and Gold gained 7.9%. The Radius 100 outperformed and was flat for the month, whereas the Radius Index 100 slightly lagged the benchmark. The Balanced Risk 75 benefited from its exposure to non-stock assets and gained an impressive 4.0% during the month. Overall, we believe that the US economy is slowing, and we continue to monitor our portfolios carefully. We firmly believe one should remain invested for the long term in line with one's risk tolerance and investment time horizon. That said, we maintain our preference for asset classes that are higher in quality and liquidity – and have positioned our portfolios accordingly.

MARKET CHARACTERISTICS

Stock market volatility [§]	Average (monthly avg. = 19, month end = 19)
Business Cycle Phase	Late Expansion (eighth out of nine "innings")
Dominant Investment Style (active vs. passive)	Mixed (appears to be moving from Passive to 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	8/31/19 RAR	Bond Market Segments	1-Mo. Return	8/31/19 RAR
1	Large Growth	(0.5%)	9.4%	Worldwide Bond	2.1%	15.5%
2	S&P 500	(1.6%)	6.5%	Intermediate Corporate	2.3%	11.7%
3	Mid-Cap Growth	(2.1%)	6.4%	Long Corporate Bond	7.0%	10.9%
4	Foreign Large Growth	(1.8%)	4.7%	Total Bond Index	2.8%	10.2%
5	Large Value	(2.9%)	2.0%	Intermediate Government	2.5%	8.8%
6	Small Growth	(2.4%)	1.6%	Short Corporate	0.9%	8.0%
7	Mid-Cap Value	(3.3%)	-0.4%	Long Government	10.7%	7.2%
8	Small Value	(5.4%)	-9.3%	Short Government	0.9%	5.7%
9	Foreign Large Value	(4.5%)	-12.2%	High Yield Bond	0.9%	4.0%

LONG-TERM PERFORMANCE THROUGH 8/31/2019

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 **+284%** (7.5% annualized) vs. a cumulative return of **+214%** (6.3% 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 **+231%** (6.6% annualized) vs. a **+193%** 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 8/31/2019

For S&P 500*, Bond Index*, Radius¹ 100, 60, & 20 Portfolios
Index² 100, and Balanced Risk^{2,3} 75 & 50 Portfolios

	S&P 500	Bond Index	Radius 100 ¹	Index 100 ²	Balanced Risk 75 ^{2,3}	Radius 60 ¹	Balanced Risk 50 ²	Radius 20 ¹
Inception Date			Jan. 2001	Jul. 2014	Mar. 2015	Jan. 2001	Mar. 2015	Nov. 2003
% in Stock Funds	100		100	100	24	60	17	20
% in Bond Funds		100	-	-	93	40	69	80
% in Real Estate					3		3	
% in Commodities					14		11	
Total			100	100	134	100	100	100
Net Cumulative Returns (net)								
2019 YTD	18%	9%	19%	12%	19%	14%	15%	10%
1-Year	3%	10%	-4%	-10%	9%	1%	7%	6%
3-Year	43%	9%	25%	28%	19%	17%	15%	9%
5-Year	61%	17%	30%	36%	25%	22%	21%	14%
10-Year	248%	45%	139%	197%	149%	94%	88%	55%
Since 1/1/2001	214%	131%	284%	254%	578%	231%	238%	160%
Net Annualized Returns								
3-Year	13%	3%	8%	9%	6%	5%	5%	3%
5-Year	10%	3%	5%	6%	5%	4%	4%	3%
10-Year	13%	4%	9%	11%	10%	7%	6%	4%
Since 1/1/2001	6%	5%	7%	7%	11%	7%	7%	5%
Risk Measures								
Beta	1.00	-0.02	1.00	1.05	0.39	0.62	0.27	0.20
Max Drawdown	-51%	-4%	-57%	-52%	-26%	-38%	-17%	-13%
Std. Deviation	14%	3%	16%	16%	11%	10%	7%	5%
Correlation to S&P	1.00	-0.11	0.88	0.96	0.52	0.85	0.56	0.63

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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 1/1/2001. 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 7/30/2014 and Balanced Risk portfolios prior to 3/30/2015 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 portfolio invests part of its assets in leveraged ETFs. These funds seek daily investment results – before fees and expenses – that are triple the return of stock (S&P 500, S&P Mid-Cap 400, Russell 2000), bond (20+ Year Treasury Bond), and commodity (gold, silver, oil) 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** (Market-Correlated Momentum): Seeks to invest in the mutual funds that have the best risk-adjusted returns over the past 1-year.
- **Index Strategy** (Market-Correlated Mean Reversion): Invests in market indices that have lagged the rest of the market over the past 5 to 10 years.
- **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.

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