Investment Performance Review
Period Ending December 31, 2020

Miami Beach Fire & Police Pension Fund

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As we start this new year, and on behalf of our entire AndCo family, Thank You for the opportunity to continue to serve you! I'm sure most of us are ready to turn the page on 2020 and all of the unique "firsts" we had to deal with – social distancing, masks, quarantining, and virtual meetings just to name a few. While 2020 definitely introduced new features into our daily routines, one constant remained the same at AndCo, our unwavering commitment to serve you within a model that is independent, singularly focused, customized, and passionately delivered. We take our role as your consultant and trusted advisor earnestly and will continue to work hard to maintain your trust and confidence in this unique and dynamic time. We are honored and privileged you have chosen AndCo as your consultant and we wanted to provide a brief update on the firm.

As we start 2021, we are 91 team members strong advising approximately $100 billion in client assets – both around record highs. All departments within AndCo have grown over the years as we thoughtfully invest in our firm to provide the services you expect and we demand from our team.

Looking back at 2020, it represented another year of significant investment in the organization. We made personnel and technology investments within consulting, research, client solutions, compliance, finance, IT and marketing. We created an intranet for our team members to efficiently and effectively stay connected within the organization to collectively serve you, our valued clients, and our team members better. We continued enhancing our research team with two new hires in the department who have significant experience and tailored skillsets in certain asset classes. We added additional management within our client solutions department to provide more support and structure to the team. We also restructured our marketing department to enhance the quality of our deliverables and further promote the AndCo brand. While 2020 was a busy year for AndCo in terms of reinvesting and enhancing our structure, please know we are not done. We are strong believers that if you are not evolving, adapting and moving forward, you will get left behind. In the service business, that would mean our clients would not get the service they expect or deserve and that does not work for AndCo. As we budget for 2021 and continue to reinvest in our organization, you'll likely see additional hires made firmwide along with continued investments in technologies. All of these efforts are to better serve you!

Every January our firm hosts our firmwide retreat in Central Florida. It is a great time for everyone in the firm to spend time with one another. Along with this valuable time together we also review how the firm did strategically the previous year, renew our goals and initiatives for the upcoming year, and conduct activities and discussions to strengthen our culture. Due to the pandemic, we did not hold our firmwide retreat in person this year.

However, we did utilize our new intranet to provide a series of virtual firm updates where we covered many of the topics we normally present in person. While we cannot replace being physically together for several days, we were thrilled to have a virtual venue to provide this valuable information to our team and demonstrate new ways for us to stay connected during this unique time.

At the beginning of each year we also discuss the AndCo partnership, and when earned, announce new partners. This year I am happy to report two new team members made partner at AndCo - Jacob Peacock and Dan Osika. Jacob has been with the firm for almost 9 years and is currently a Consulting Director. Dan has been with AndCo for 6 years and has held multiple roles at the firm. Today Dan serves as a Marketing Consultant in our marketing department. We are extremely happy for both Jacob and Dan and are very lucky to have them as valuable team members. With the additions of Jacob and Dan, we now have 11 partners at AndCo with the majority of departments represented. We are looking to create a multigeneration employee-owned and employee-managed organization with our equity program. This will allow us to protect our mission, vision and values going forward as well as our commitment to serve you the best we possibly can.

In closing, our name, AndCo, reminds us who we work for every day - "Our Client" &Co. You, our clients, will always be our first priority. As we continue to discuss strategic decisions and reinvestments regarding our firm, please know that our decisions are filtered through the following question: "How does this benefit our clients?" If it doesn't benefit you, we don't do it, it's that simple. We said this last year and we'll say it again next year. If this commitment ever falters, you need to find a new consultant.

We know that each of our clients is facing many challenges and we will be there to help support you through all environments. We are honored and humbled that you have chosen AndCo as your partner. We do not take that relationship for granted and will continue to work tirelessly to exceed your expectations.

Thank you again for your valued partnership and the opportunity to serve you. Happy New Year!

Mike Welker, CFA
CEO

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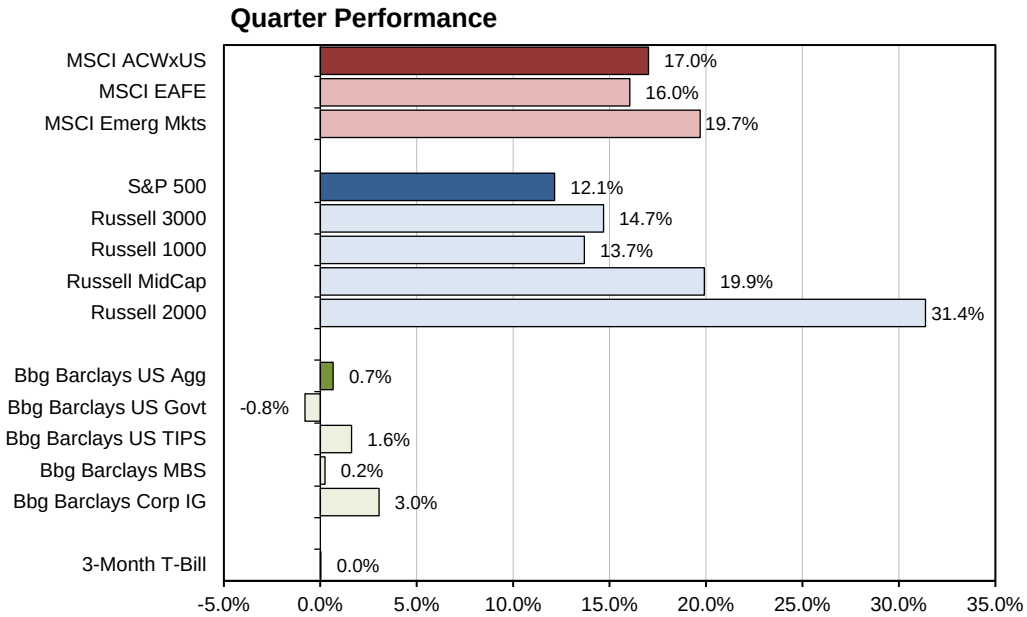
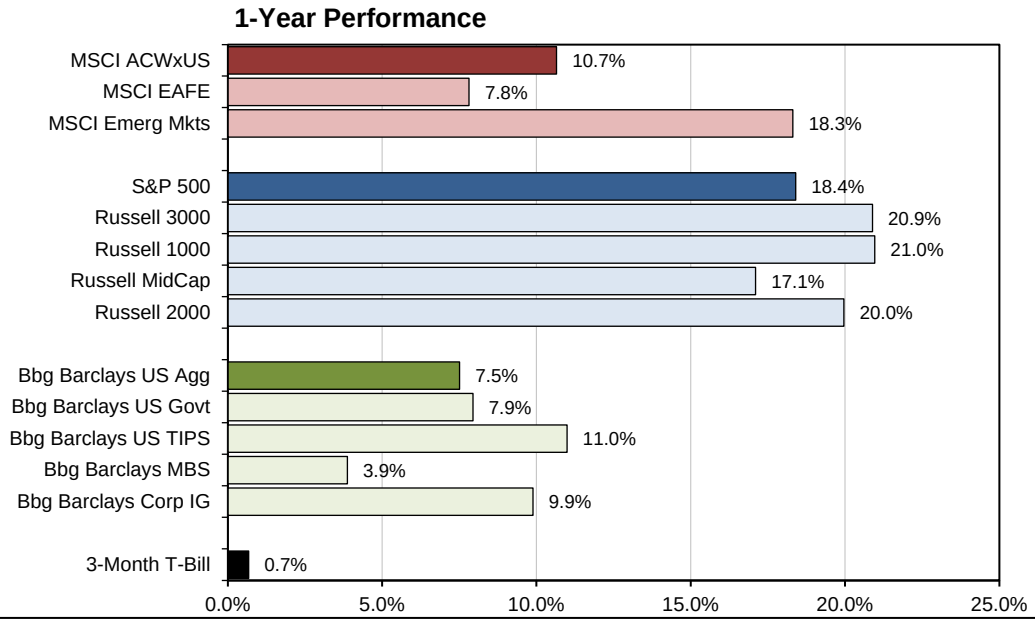
4th Quarter 2020 Market Environment

- Investment market index returns were broadly positive during the 4th quarter of 2020 except for the US Government bond benchmark. Performance during the period was largely driven by expectations related to the rollout of vaccines to treat the pandemic, the resolution of the US Presidential election, and the potential for additional government stimulus. Within domestic equity markets, there was a reversal in a recent trend with small cap stocks outperforming large cap issues. The Russell 2000 returned 31.4% compared to a 12.1% return for the S&P 500. This was the small cap benchmark's single strongest quarterly return since its inception in 1979. US equity markets ended 2020 with robust positive performance despite continued uncertainty associated with pandemic and slower than expected vaccine rollouts. For the full year, performance for domestic equities was strong across the capitalization spectrum with large cap stocks returning 18.4%, mid-caps 17.1%, and small caps 20.0%.

- Similar to domestic stocks, international equity returns were strong during the 4th quarter of 2020. International markets also benefited from the release of vaccines in addition to monetary policy relief from the European Central Bank. International returns were also amplified by a weakening US dollar which continued its decline against most major currencies. Emerging markets outperformed developed markets for the period with the MSCI Emerging Markets Index returning 19.7% compared to a return of 16.0% for the MSCI EAFE Index. Developed markets posted a modest return of 7.8% over the 1-year period while emerging markets returned a stronger 18.3%.

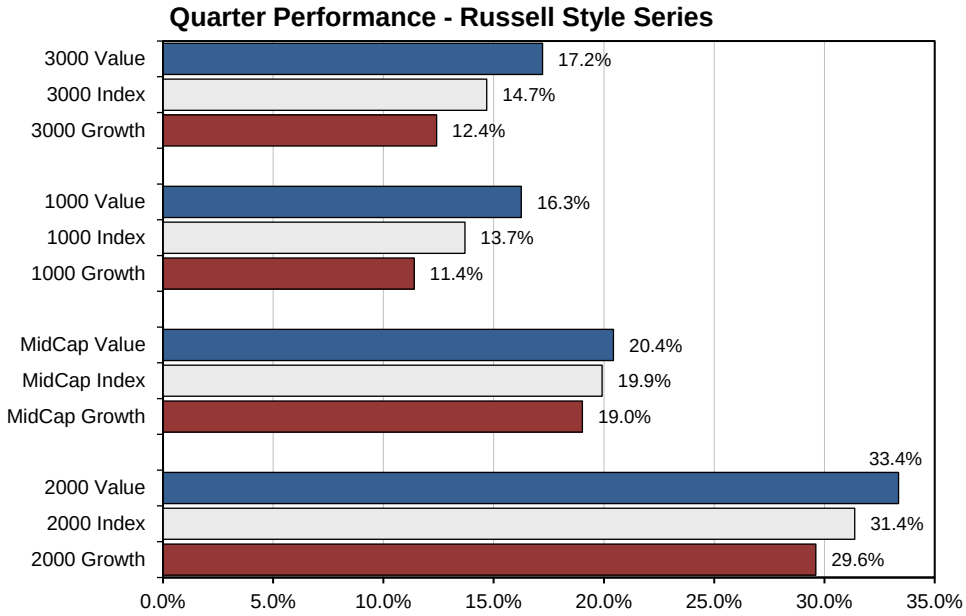
- Fixed income index performance was disparate during the 4th quarter. Corporate bonds performed well during the period as evidenced by the 3.0% return of the Bloomberg Barclays Corporate Investment Grade Index. In contrast, the Bloomberg Barclays US Government Bond Index returned -0.8% and was negatively affected by rising US interest rates. TIPS continued to outpace nominal bonds over concerns about rising US inflation and posted a return of 1.6% for the period. For the year, bonds posted solid returns across most sectors led by TIPS and Corporate bonds which returned 11.0% and 9.9%, respectively. For the year, the benchmark Bloomberg Barclays US Aggregate Bond Index returned a solid 7.5%.



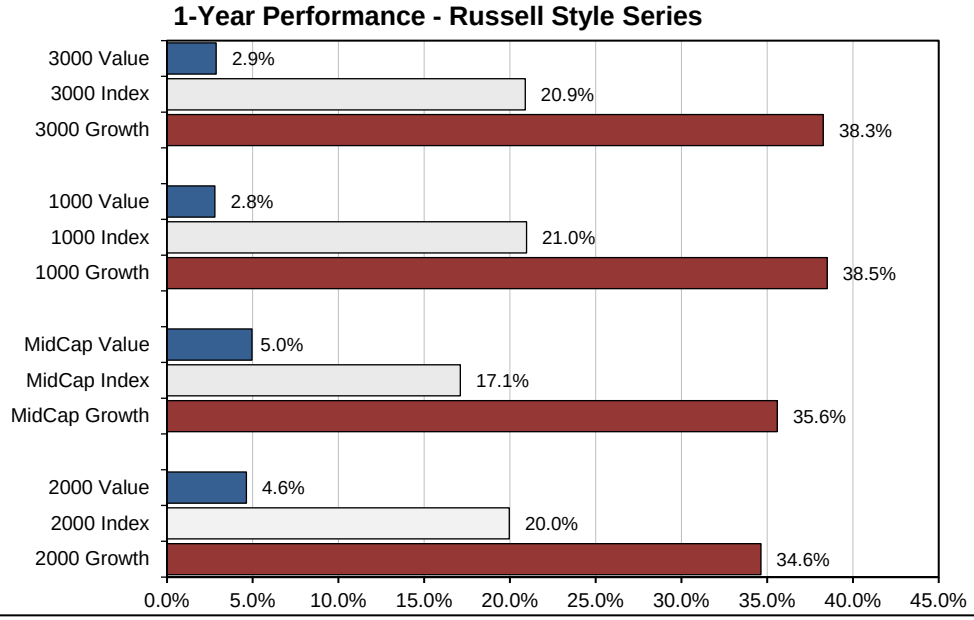


Source: Investment Metrics

- Despite 2020 experiencing one of the most dramatic drawdowns in history, US equities managed to recover all of their losses and closed the year delivering three straight quarters of strong gains across the capitalization and style spectrum. During the 4th quarter, value stocks reversed the recent trend and outperformed growth stocks across the full capitalization spectrum. It is important to note, value indexes contain large exposures to sectors like energy and financials which performed well during the 4th quarter. For the period, the Russell 2000 Value Index was the best performing style index with a return of 33.4% (also a record for the index). This performance was followed by mid and large cap value index returns of 20.4% and 16.3%, respectively. While slightly lower relative to their value counterparts, growth style benchmarks were also strong for the quarter with the small cap growth index returning 29.6% while mid and large cap growth stocks posted returns of 19.0% and 11.4%, respectively.



- Despite the 4th quarter's trend reversal, for the full year, growth-oriented stocks significantly outperformed value stocks across all market capitalizations with each growth benchmark posting returns in excess of 30.0%. The widest performance dispersion between growth and value for the year was in the large cap space with the Russell 1000 Growth Index returning 38.5%, which outpaced the large cap value benchmark by more than 35.0%. A combination of factors drove the performance of growth stocks during the year including investors seeking companies with the ability to growth revenues, structural shifts in the economy related to technologies, and momentum.



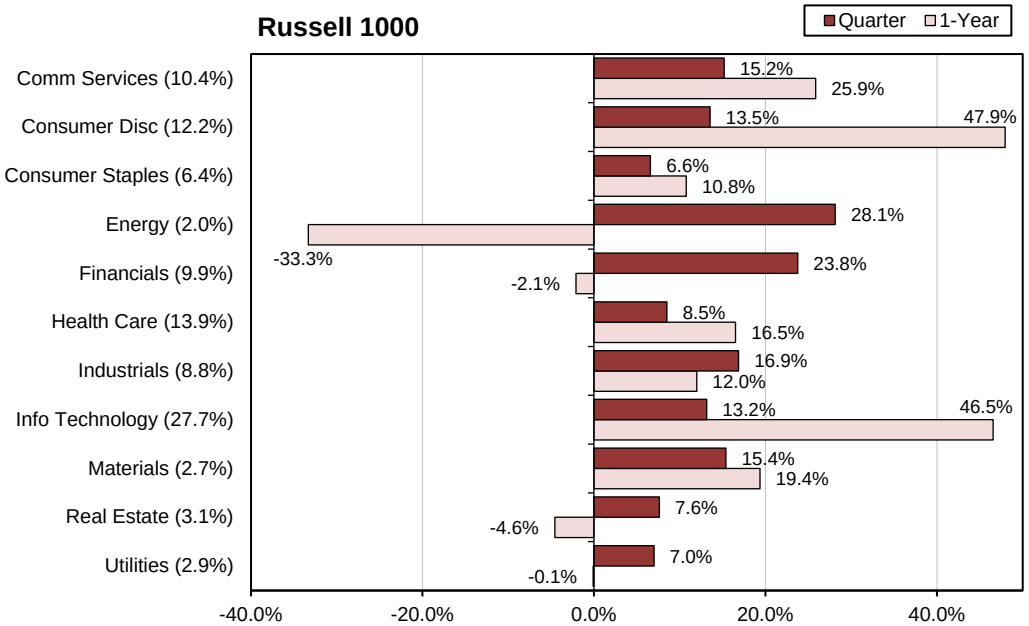
Source: Investment Metrics

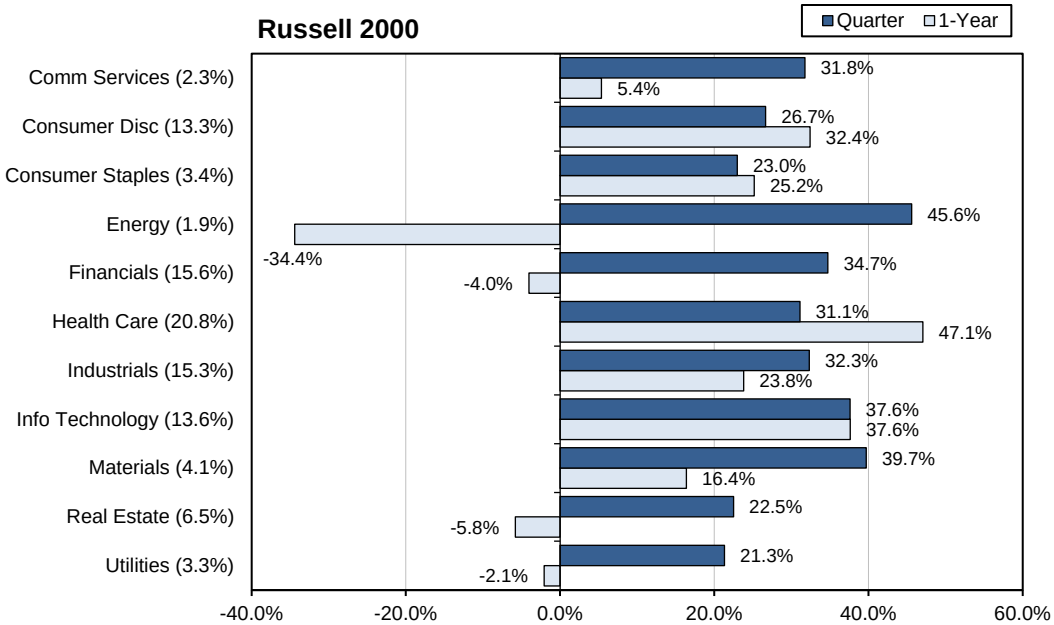
- Sector performance was positive across all eleven large cap economic sectors for the 4th quarter. However, only five sectors outpaced the return of the broader Russell 1000 Index. The positive news surrounding the release of COVID-19 vaccines provided the catalyst for cyclical sectors to rebound as expectations for economic growth improved. The best performing sectors for the quarter were energy, financials, and industrials with returns of 28.1%, 23.8%, and 16.9%, respectively.

- Over the trailing 1-year period, seven of the eleven large cap sectors produced positive results. Performance was led by the consumer discretionary and technology sectors which delivered returns of 47.9% and 46.5%, respectively. In a sign of narrow leadership, only three of the eleven sectors exceeded the return of the broad benchmark over the full year. In contrast to the strong positive performance in some sectors, four sectors that disappointed for the year were energy (-33.3%), real estate (-4.6%), financials (-2.1%), and utilities (-0.1%). The significant drawdown in energy prices earlier in the year combined with declining commercial real estate prices put downward pressure on these sectors. Finally, the staggering dispersion between the best performing (consumer discretionary) and worst-performing (energy) sectors in the large cap benchmark was in excess of 81.0% for the year.

- Quarterly results for small cap sectors were higher than their respective large capitalization counterparts. All eleven sectors posted positive returns for the period with six of eleven outpacing the Russell 2000 Index return. Similar to large caps, economically sensitive sectors such as energy (45.6%), materials (39.7%), technology (37.6%), and financials (34.7%) drove results. Sector performance was largely attributable to rising commodity prices, a continued decline in the US dollar, and expectations that global economic growth would accelerate following the rollout of vaccines.

- Over the trailing 1-year period, despite the strong broad market results, sector returns were more mixed. Negative sector performance was realized in energy (-34.4%), real estate (-5.8%), financials (-4.0%), and utilities (-2.1%). Much of the year's negative results were seen following the drawdown experienced during the 1st quarter in the initial reaction to the pandemic. In contrast, the healthcare sector delivered strong results (47.1%) for the period as investors looked for opportunities to invest in companies with the potential to develop therapeutics and treatments for COVID-19.





Source: Morningstar Direct
As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.

Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000

As of December 31, 2020

Top 10 Weighted Stocks				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	6.03%	14.8%	82.3%	Information Technology
Microsoft Corp	4.69%	6.0%	42.5%	Information Technology
Amazon.com Inc	3.89%	3.4%	76.3%	Consumer Discretionary
Facebook Inc A	1.85%	4.3%	33.1%	Communication Services
Tesla Inc	1.50%	64.5%	743.4%	Consumer Discretionary
Alphabet Inc A	1.48%	19.6%	30.9%	Communication Services
Alphabet Inc Class C	1.43%	19.2%	31.0%	Communication Services
Berkshire Hathaway Inc Class B	1.23%	8.9%	2.4%	Financials
Johnson & Johnson	1.17%	6.5%	10.9%	Health Care
JPMorgan Chase & Co	1.08%	33.2%	-5.5%	Financials

Top 10 Weighted Stocks				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Penn National Gaming Inc	0.54%	18.8%	237.9%	Consumer Discretionary
Caesars Entertainment Inc	0.54%	32.5%	24.5%	Consumer Discretionary
Plug Power Inc	0.51%	152.9%	973.1%	Industrials
Sunrun Inc	0.42%	-10.0%	402.4%	Industrials
Mirati Therapeutics Inc	0.38%	32.3%	70.4%	Health Care
Darling Ingredients Inc	0.37%	60.1%	105.4%	Consumer Staples
Ultragenyx Pharmaceutical Inc	0.35%	68.4%	224.1%	Health Care
Deckers Outdoor Corp	0.32%	30.3%	69.8%	Consumer Discretionary
II-VI Inc	0.31%	87.3%	125.6%	Information Technology
Arrowhead Pharmaceuticals Inc	0.31%	78.2%	21.0%	Health Care

Top 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Nordstrom Inc	0.01%	161.8%	-22.7%	Consumer Discretionary
Coty Inc Class A	0.01%	160.0%	-36.9%	Consumer Staples
Lemonade Inc Ordinary Shares	0.00%	146.4%	N/A	Financials
Capri Holdings Ltd	0.02%	133.3%	10.1%	Consumer Discretionary
Kohl's Corp	0.02%	119.6%	-16.8%	Consumer Discretionary
Enphase Energy Inc	0.05%	112.5%	571.5%	Information Technology
Spirit AeroSystems Hldgs Inc Class A	0.01%	106.8%	-46.3%	Industrials
Olin Corp	0.01%	100.3%	50.6%	Materials
Tapestry Inc	0.02%	98.8%	17.0%	Consumer Discretionary
Eaton Vance Corp	0.02%	90.9%	60.5%	Financials

Top 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
FuelCell Energy Inc	0.13%	422.0%	345.0%	Industrials
Silvergate Capital Corp Class A	0.05%	416.0%	367.1%	Financials
Magnite Inc	0.13%	342.2%	276.3%	Consumer Discretionary
SM Energy Co	0.03%	287.3%	-44.9%	Energy
Solid Biosciences Inc	0.01%	273.4%	70.3%	Health Care
Five Prime Therapeutics Inc	0.02%	261.9%	270.6%	Health Care
Arvinas Inc	0.12%	259.7%	106.7%	Health Care
Beam Therapeutics Inc	0.13%	231.6%	N/A	Health Care
Veru Inc	0.02%	230.2%	158.2%	Consumer Staples
Clean Energy Fuels Corp	0.04%	216.9%	235.9%	Energy

Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Zoom Video Communications Inc	0.16%	-28.2%	395.8%	Information Technology
SolarWinds Corp Ordinary Shares	0.00%	-26.5%	-19.4%	Information Technology
Beyond Meat Inc	0.02%	-24.7%	65.3%	Consumer Staples
BigCommerce Hldgs Inc Ord. Series 1	0.00%	-23.0%	N/A	Information Technology
Wayfair Inc Class A	0.04%	-22.4%	149.9%	Consumer Discretionary
Global Blood Therapeutics Inc	0.01%	-21.5%	-45.5%	Health Care
Vroom Inc Ordinary Shares	0.00%	-20.9%	N/A	Consumer Discretionary
Jamf Holding Corp Ordinary Shares	0.00%	-20.4%	N/A	Information Technology
bluebird bio Inc	0.01%	-19.8%	-50.7%	Health Care
Quidel Corp	0.02%	-18.1%	139.4%	Health Care

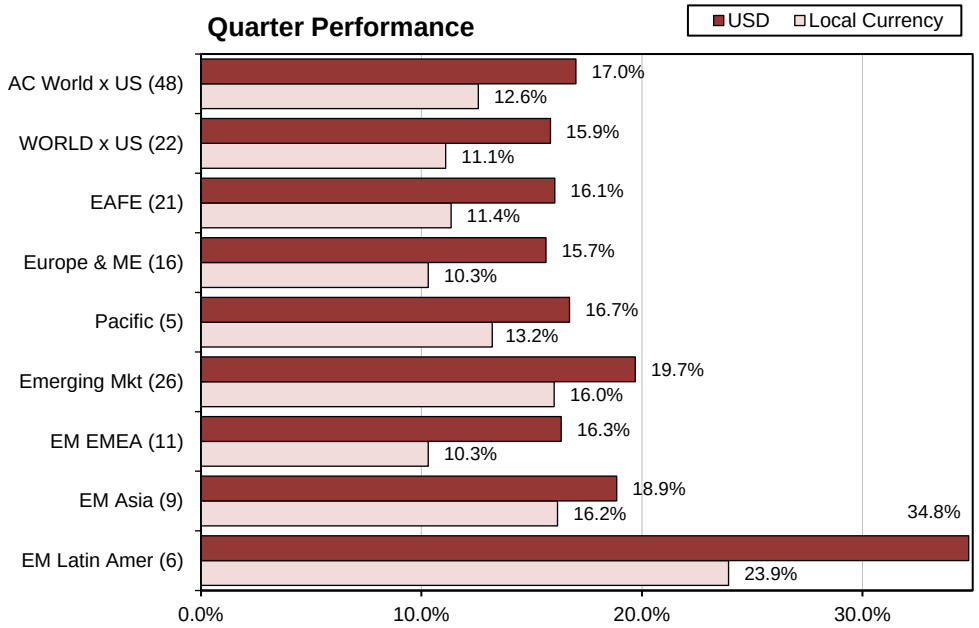
Bottom 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Aprea Therapeutics Inc	0.00%	-79.6%	-89.3%	Health Care
Brainstorm Cell Therapeutics Inc	0.00%	-73.3%	5.7%	Health Care
Catabasis Pharmaceuticals Inc	0.00%	-65.4%	-63.8%	Health Care
Assembly Biosciences Inc	0.01%	-63.2%	-70.4%	Health Care
Ovid Therapeutics Inc	0.00%	-59.8%	-44.3%	Health Care
AMC Entertainment Hldgs Inc Class A	0.01%	-55.0%	-70.5%	Communication Services
Aytu BioScience Inc	0.00%	-49.7%	-38.5%	Health Care
Cyclerion Therapeutics Inc Ord. Shrs.	0.00%	-49.7%	12.5%	Health Care
iBio Inc	0.01%	-48.3%	321.7%	Health Care
Vaxcyte Inc Ordinary Shares	0.02%	-46.2%	N/A	Health Care

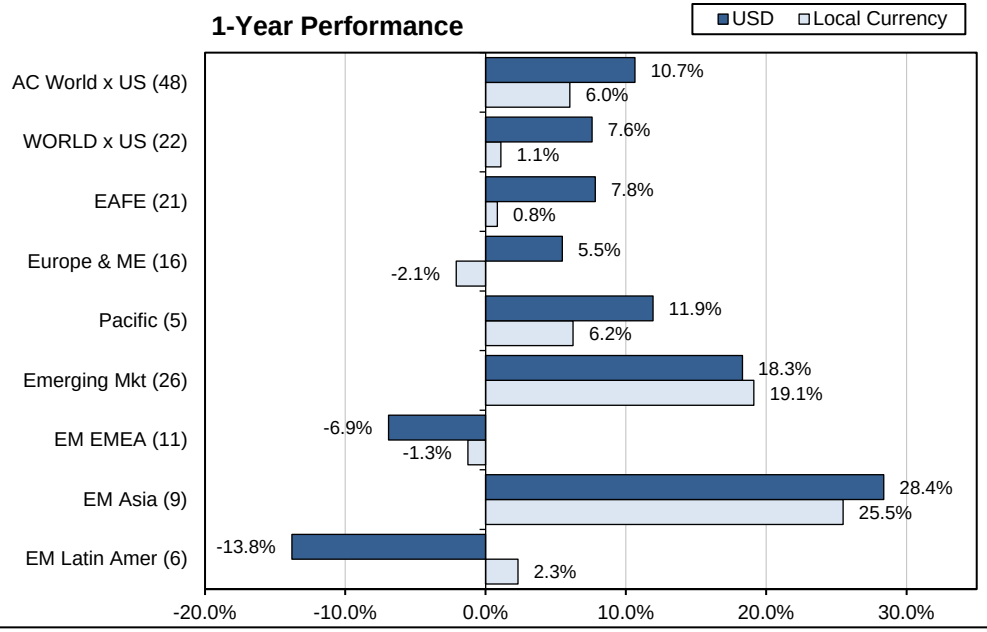
Source: Morningstar Direct

International and Regional Market Index Performance (Country Count)

As December 31, 2020

- Broad international equity returns were positive in both local currency and USD terms for the 4th quarter. Much like US equity markets, the international markets were positively impacted by the announcement and release of COVID-19 vaccines and benefited from additional monetary stimulus. The US dollar continued its year-to-date decline against most major currencies through the period which acted as a tailwind for US investor returns.
- For the 4th quarter, developed market equities were positive in both USD and local currency terms with the MSCI EAFE Index returning 16.1% and 11.4%, respectively. Despite several European countries reporting rising infection rates, expectations for continued economic growth and continued coordinated central bank policies, drove markets higher. In particular, the European Union approved a 1.8 trillion-euro financial package while the European Central Bank increased its asset purchases from 500 billion euros to 1.85 trillion euros with the goal of providing support to the markets and stimulating growth.
- Relative to developed markets, emerging markets significantly outperformed during the quarter as investors anticipated future economic growth would benefit companies in these markets. The MSCI Emerging Market Index returned 19.7% in USD and 16.0% in local currency terms. The relative outperformance in emerging markets was largely driven by Latin American countries, specifically Colombia, which posted an outsized return of 48.7% during the quarter. The recovery in oil prices also contributed to the region's outperformance as several Latin American countries (Brazil, Mexico, and Columbia) are highly sensitive to commodity price fluctuations.
- The trailing 1-year returns for international developed market equities were broadly positive across regions and currencies. Returns were higher in US dollar terms as the currency weakened against most major developed market currencies on concerns surrounding monetary stimulus, growth in the US debt, and uncertainty regarding the contested US election. For the period, the MSCI EAFE Index returned 7.8% in US dollar terms and 0.8% in local currency terms.
- During the trailing 1-year period, emerging markets posted strong returns in both US dollar and local currency terms. The MSCI Emerging Markets Index rose 18.3% in US dollar and 19.1% in local currency terms. Within the index, Asian countries outperformed as evidenced by the EM Asia component, which rose 28.4% US dollar terms. These countries have excelled in containing the pandemic which has led to faster local recoveries.





Source: MSCI Global Index Monitor (Returns are Net)

US Dollar International Index Attribution & Country Detail

As of December 31, 2020

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.2%	16.4%	12.6%
Consumer Discretionary	12.5%	22.4%	15.8%
Consumer Staples	10.9%	6.9%	5.7%
Energy	3.1%	31.2%	-27.5%
Financials	16.3%	25.4%	-3.9%
Health Care	12.9%	4.0%	11.4%
Industrials	15.2%	15.8%	10.9%
Information Technology	8.9%	16.9%	28.4%
Materials	7.9%	20.1%	20.6%
Real Estate	3.1%	14.9%	-6.9%
Utilities	3.9%	13.6%	14.2%
Total	**100.0%**	**16.1%**	**7.8%**

MSCI - ACWIxUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	7.1%	13.7%	18.9%
Consumer Discretionary	13.8%	15.9%	22.9%
Consumer Staples	8.9%	8.5%	6.7%
Energy	4.3%	22.5%	-23.5%
Financials	18.0%	24.7%	-4.5%
Health Care	9.6%	6.2%	15.4%
Industrials	11.6%	16.2%	10.8%
Information Technology	12.7%	24.7%	45.4%
Materials	8.1%	20.0%	21.2%
Real Estate	2.6%	12.6%	-9.8%
Utilities	3.3%	14.4%	9.4%
Total	**100.0%**	**17.0%**	**10.7%**

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	11.6%	11.6%	27.5%
Consumer Discretionary	18.3%	7.6%	36.7%
Consumer Staples	5.9%	16.7%	10.7%
Energy	5.0%	14.9%	-15.4%
Financials	18.0%	24.4%	-8.2%
Health Care	4.7%	19.2%	52.8%
Industrials	4.3%	21.3%	5.0%
Information Technology	20.5%	34.2%	60.1%
Materials	7.6%	29.8%	24.8%
Real Estate	2.1%	6.1%	-16.9%
Utilities	2.0%	21.1%	-5.2%
Total	**100.0%**	**19.7%**	**18.3%**

Country	MSCI-EAFE Weight	MSCI-ACWIxUS Weight	Quarter Return	1- Year Return
Japan	25.3%	15.8%	15.3%	14.5%
United Kingdom	14.0%	8.8%	16.9%	-10.5%
France	11.1%	6.9%	20.4%	4.1%
Switzerland	9.7%	6.0%	8.2%	11.6%
Germany	9.4%	5.9%	11.5%	11.6%
Australia	7.1%	4.4%	22.9%	8.7%
Netherlands	3.9%	2.4%	18.4%	24.2%
Sweden	3.4%	2.1%	14.4%	23.9%
Hong Kong	3.3%	2.0%	15.5%	5.8%
Denmark	2.5%	1.6%	14.0%	43.7%
Spain	2.4%	1.5%	27.7%	-4.8%
Italy	2.4%	1.5%	22.4%	1.8%
Finland	1.1%	0.7%	10.1%	20.4%
Singapore	1.1%	0.7%	18.8%	-7.5%
Belgium	1.0%	0.6%	18.3%	-8.1%
Ireland	0.7%	0.4%	13.0%	15.1%
Israel	0.6%	0.4%	19.3%	15.0%
Norway	0.6%	0.4%	18.8%	-1.8%
New Zealand	0.3%	0.2%	13.2%	19.9%
Austria	0.2%	0.1%	47.3%	-3.3%
Portugal	0.2%	0.1%	21.6%	14.4%
Total EAFE Countries	**100.0%**	**62.5%**	**16.1%**	**7.8%**
Canada		6.3%	13.9%	5.3%
Total Developed Countries		**68.8%**	**15.9%**	**7.6%**
China		12.2%	11.2%	29.5%
Korea		4.2%	38.3%	44.6%
Taiwan		4.0%	23.2%	41.0%
India		2.9%	21.0%	15.6%
Brazil		1.6%	37.0%	-19.0%
South Africa		1.1%	22.1%	-4.0%
Russia		0.9%	21.6%	-12.5%
Saudi Arabia		0.8%	6.5%	0.7%
Thailand		0.6%	25.5%	-11.7%
Mexico		0.5%	31.0%	-1.9%
Malaysia		0.5%	10.1%	3.7%
Indonesia		0.4%	31.8%	-8.1%
Philippines		0.2%	22.2%	-3.4%
Qatar		0.2%	2.4%	-2.4%
Poland		0.2%	16.5%	-11.4%
Chile		0.2%	28.5%	-5.6%
United Arab Emirates		0.2%	10.6%	-0.9%
Turkey		0.1%	30.3%	-8.8%
Peru		0.1%	29.9%	-4.7%
Hungary		0.1%	39.2%	-11.7%
Colombia		0.1%	48.7%	-19.0%
Argentina		0.0%	21.2%	12.7%
Czech Republic		0.0%	34.1%	-4.0%
Greece		0.0%	16.4%	-26.9%
Egypt		0.0%	-5.0%	-22.5%
Pakistan		0.0%	7.7%	-17.1%
Total Emerging Countries		**31.0%**	**19.7%**	**18.3%**
Total ACWIxUS Countries		**100.0%**	**17.0%**	**10.7%**

Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)
As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.

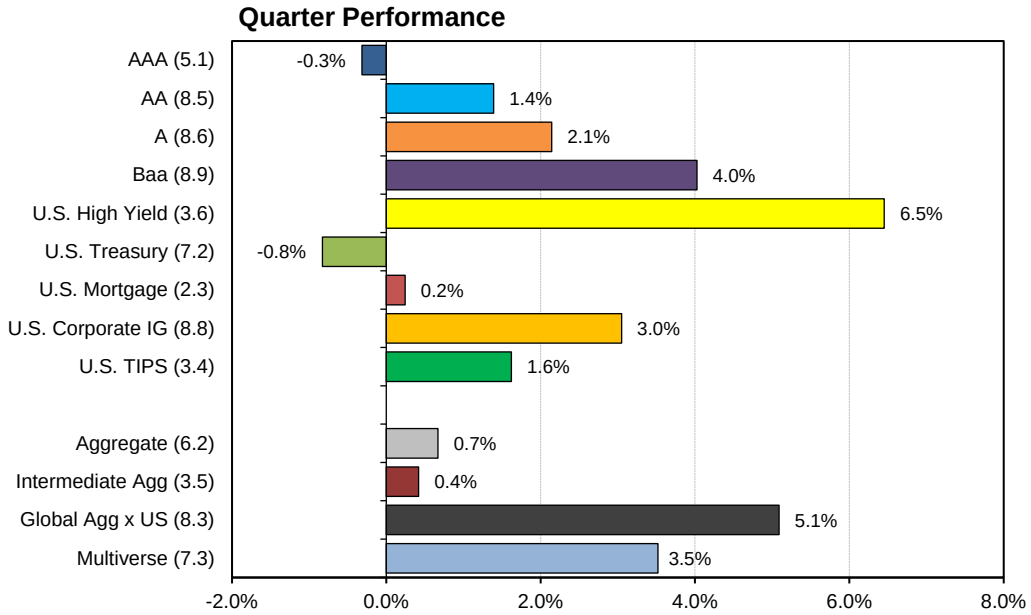
Domestic Bond Sector & Broad/Global Bond Market Performance (Duration)

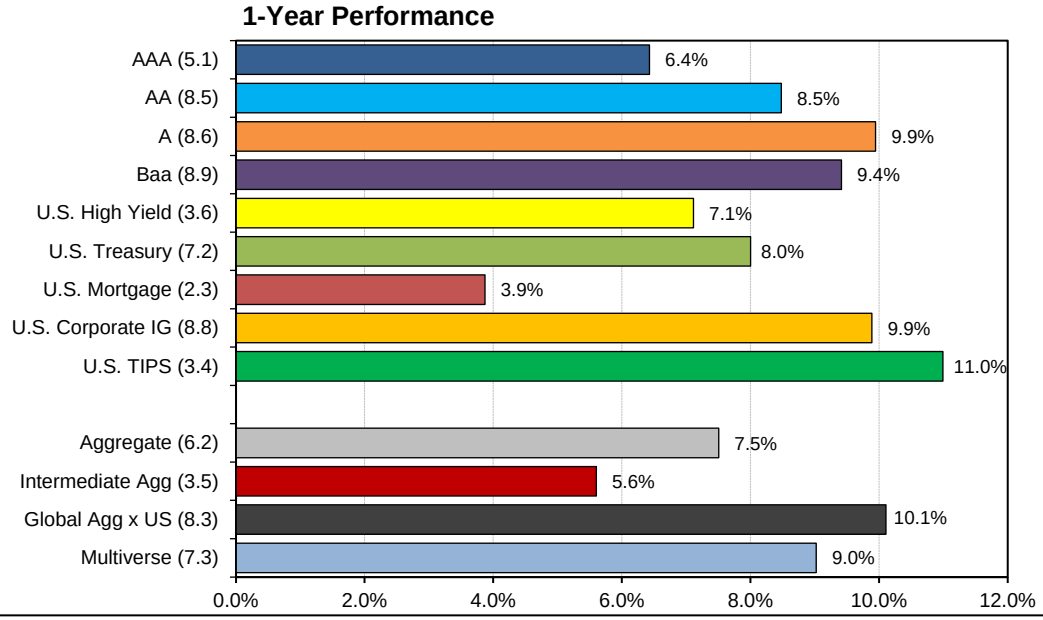
As of December 31, 2020

- During the 4th quarter, lower-quality bonds significantly outpaced higher-quality issues as investors continued to search for higher-yielding assets and became more comfortable accepting higher risk. For the quarter, the best performing category was high yield bonds which returned 6.5% and the laggard was US Treasury bonds which declined -0.8%. Returns of both US High Yield and Investment Grade Corporate bonds were driven by rising expectations of future US economic growth. Global bonds delivered a solid quarter returning 5.1% with results primarily attributable to a weakening US dollar. Finally, US TIPS increased 1.6% as inflation expectations rose during the period. During the quarter, the broad Blomberg Barclays US Aggregate Index returned a slim 0.7%. While the return of the index was positive for the period, the performance of both US Treasury and mortgage bonds were a drag on results. US interest rates also began to rise during the period which acted as a general headwind to bond performance. With the duration of the broad index now over six years, any meaningful rise in interest rates will likely have a negative impact on future performance.

- Similar to stocks, over the trailing 1-year period bond markets experienced strong results despite some indices suffering significant drawdowns during the 1st quarter. Generally, lower-quality bonds outperformed higher-quality issues for the period, US Corporate Investment Grade bonds still delivered an equity-like 9.9% return for the year and US Treasury bonds managed a solid return of 8.0%. While High Yield bonds also delivered positive results, the benchmark lagged higher-quality issues due to the 1st quarter's selloff. For the year, both Investment Grade and High Yield spreads relative to US Treasury bonds narrowed, which provided a boost to non-Treasury results. Finally, US TIPS were the best performing segment of the market rising 11.0% for the year on expectations of future inflation resulting from accelerating economic growth.

- For the year, global bonds also performed well. The Bloomberg Barclays Global Aggregate Bond Index returned 10.1%, outpacing the domestic Bloomberg Barclays US Aggregate Index's return of 7.5%. Some of the relative outperformance of global bonds can be attributed to the decline in the US dollar relative to other currencies. Additionally, US interest rates began to rise later in the year which negatively contributed to performance while global Treasury bond rates remained largely steady.



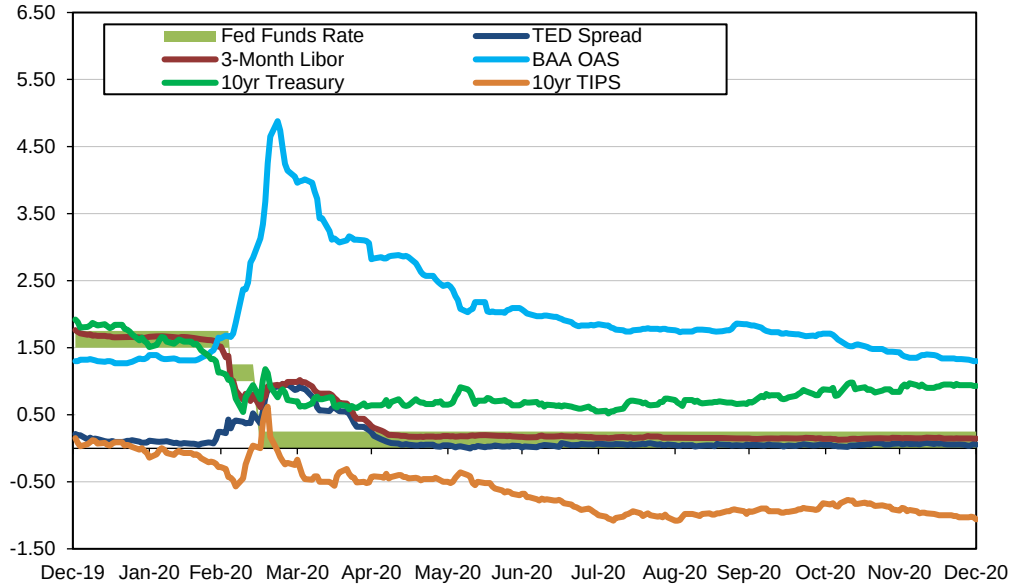


Source: Bloomberg

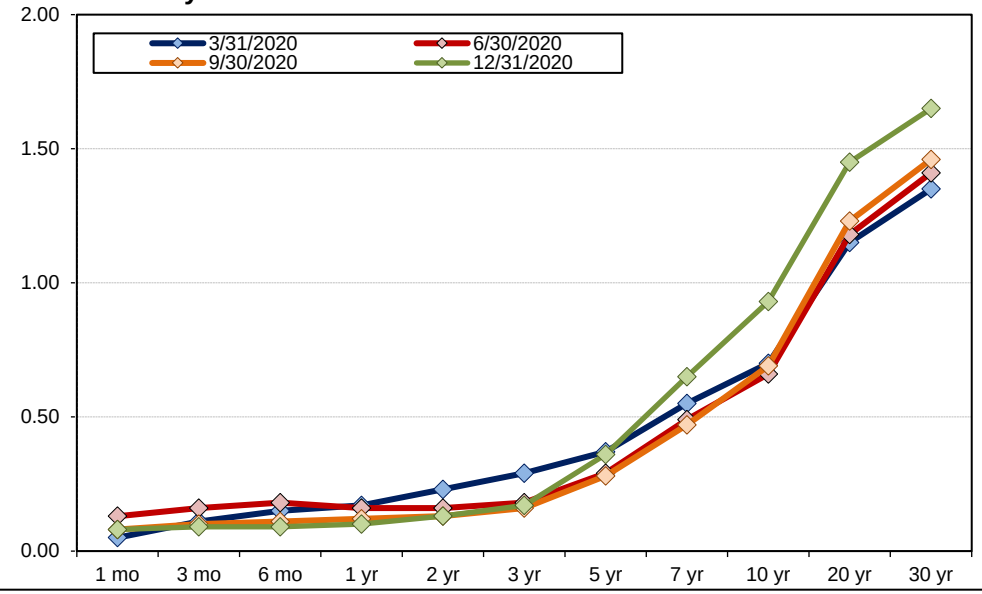
- Much of the index performance detailed in the bar graphs on the previous page is visible on a time series basis by reviewing the yield graph to the right. The "1-Year Trailing Market Rates" chart illustrates that over the last year, the US 10-year Treasury (green line) fell from yields of greater than 1.5% to a low of roughly 0.5%, before ending the year slightly higher than 0.9%. During the year, US interest rates declined significantly following the onset of the pandemic and the response from the US Federal Reserve Bank (Fed) to lower rates back near zero. During the 4th quarter, US interest rates began to rise in anticipation of higher US economic growth. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-Treasury investment grade issues. The line illustrates the dramatic increase in credit spreads during the 1st quarter as global economic growth collapsed. Since that time, credit spreads have steadily declined as concerns over potential widespread defaults have subsided. The green band across the graph illustrates the Fed Fund Rate. At the beginning of 2020 the rate range was 1.50%-1.75% however, as a result of the pandemic, the Fed cut the range to 0.00%-0.25%, where it remained at the end of the 4th quarter. The Fed has indicated a willingness to keep US interest rates lower in an effort to supply the market with liquidity and help stimulate growth.

- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. While short-term US interest rates have remained largely unchanged throughout the year, longer-term interest rates began moving higher during the 4th quarter. The combination of additional fiscal stimulus, increased US Treasury issuance, and expectations for increasing inflation, all contributed to higher long-term rates. Importantly, the Fed has stated that it is comfortable allowing US inflation to exceed its 2% target in the near-term in an effort to achieve a long-term average of 2% inflation. This approach, combined with the need to dramatically increase debt issuance to supply fiscal stimulus, could result in higher US interest rates as markets normalize.

1-Year Trailing Market Rates



Treasury Yield Curve



Source: US Department of Treasury, FRED (Federal Reserve of St. Louis)

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Total Fund Compliance:	Yes	No
The total plan return equaled or exceeded the total plan benchmark over the trailing three year period.	●	
The total plan return equaled or exceeded the total plan benchmark over the trailing five year period.	●	
The total return of the fund over the trailing three year period equal or exceed the actuarial assumption rate of return which is currently 7.70%.	●	
The total return of the fund over the trailing five year period equal or exceed the actuarial assumption rate of return which is currently 7.70%.	●	

Equity Compliance:	Yes	No
The Total Equity portfolio beat its index through the trailing three year period.	●	
The Total Equity portfolio beat its index through the trailing five year period.	●	
The amount invested in any one issuing company is less than 5% of the Fund's total assets.	●	
The aggregate investment in any one company is less than 5% of the outstanding stock of the company.	●	

Inverness Equity	Yes	No
The equity return equaled or exceeded its benchmark during the trailing three year period.	●	
The equity return equaled or exceeded its benchmark during the trailing five year period.	●	
The three year return ranks in the top 40% of its peers.	●	
The five year return ranks in the top 40% of its peers.	●	
Inverness' quarterly equity returns outperformed its benchmark for at least one of the last four quarters.	●	
Inverness' annualized alpha has been positive for the last three years.	●	

Rhumbline Large Cap Value	Yes	No
The equity return equaled or exceeded its benchmark during the trailing three year period.		●
The equity return equaled or exceeded its benchmark during the trailing five year period. (Inception)		●
The five year return ranks in the top 40% of its peers.		●
The five year return ranks in the top 40% of its peers. (Inception)		●

Logan Capital	Yes	No
The equity return equaled or exceeded its benchmark during the trailing three year period.		●
The equity return equaled or exceeded its benchmark during the trailing five year period.		●
The three year return ranks in the top 40% of its peers.		●
The five year return ranks in the top 40% of its peers.	●	
Logan's quarterly equity returns outperformed its benchmark for at least one of the last four quarters.	●	
Logan's annualized alpha has been positive for the last three years.		●

Rhumbline S&P Mid Cap	Yes	No
The equity return equaled or exceeded its benchmark during the trailing three year period.		●
The equity return equaled or exceeded its benchmark during the trailing five year period.		●
The three year return ranks in the top 40% of its peers.		●
The five year return ranks in the top 40% of its peers.	●	

Wellington	Yes	No
The equity return equaled or exceeded its benchmark during the trailing three year period.	●	
The equity return equaled or exceeded its benchmark during the trailing five year period.	●	
The three year return ranks in the top 40% of its peers.	●	
The five year return ranks in the top 40% of its peers.	●	
Wellington's quarterly equity returns outperformed its benchmark for at least one of the last four quarters.	●	
Wellington's annualized alpha has been positive for the last three years.	●	

RhumbLine International	Yes	No
The equity return equaled or exceeded its benchmark during the trailing three year period.		●
The equity return equaled or exceeded its benchmark during the trailing five year period. (Inception)		●
The three year return ranks in the top 40% of its peers.		●
The five year return ranks in the top 40% of its peers. (Inception)		●

Fixed Income Compliance:

Inverness Fixed Income	Yes	No
The total fixed income return equaled or exceed the benchmark over the trailing three year period.	●	
The total fixed income return equaled or exceed the benchmark over the trailing five year period.	●	
The three year fixed income return ranks in the top 40% of its peers.	●	
The five year fixed income return ranks in the top 40% of its peers.	●	
Inverness' quarterly fixed income returns outperformed its benchmark for at least one of the last four quarters.	●	
The annualized alpha has been positive over the rolling three year period.	●	
All fixed income investments ranked in the top four categories by Standard and Poors, Moody's, or Value Line.	●	

Wells Capital	Yes	No
The total fixed income return equaled or exceed the benchmark over the trailing three year period.	●	
The total fixed income return equaled or exceed the benchmark over the trailing five year period.		●
The three year fixed income return ranks in the top 40% of its peers.	●	
The five year fixed income return ranks in the top 40% of its peers.		●
Wells Capital's quarterly returns outperformed its benchmark for at least one of the last four quarters.	●	
The annualized alpha has been positive over the rolling three year period.	●	

JP Morgan RE	Yes	No
The return equaled or exceed the benchmark over the trailing three year period.		●
The return equaled or exceed the benchmark over the trailing five year period.		●
The three year return ranks in the top 40% of its peers.		●
The five year return ranks in the top 40% of its peers.		●
The quarterly returns outperformed its benchmark for at least one of the last four quarters.	●	

Intercontinental	Yes	No
The return equaled or exceed the benchmark over the trailing three year period. (One Year)	●	
The return equaled or exceed the benchmark over the trailing five year period. (Inception)	●	
The three year return ranks in the top 40% of its peers. (One Year)		●
The five year return ranks in the top 40% of its peers. (Inception)	●	

"Net returns" used when available.

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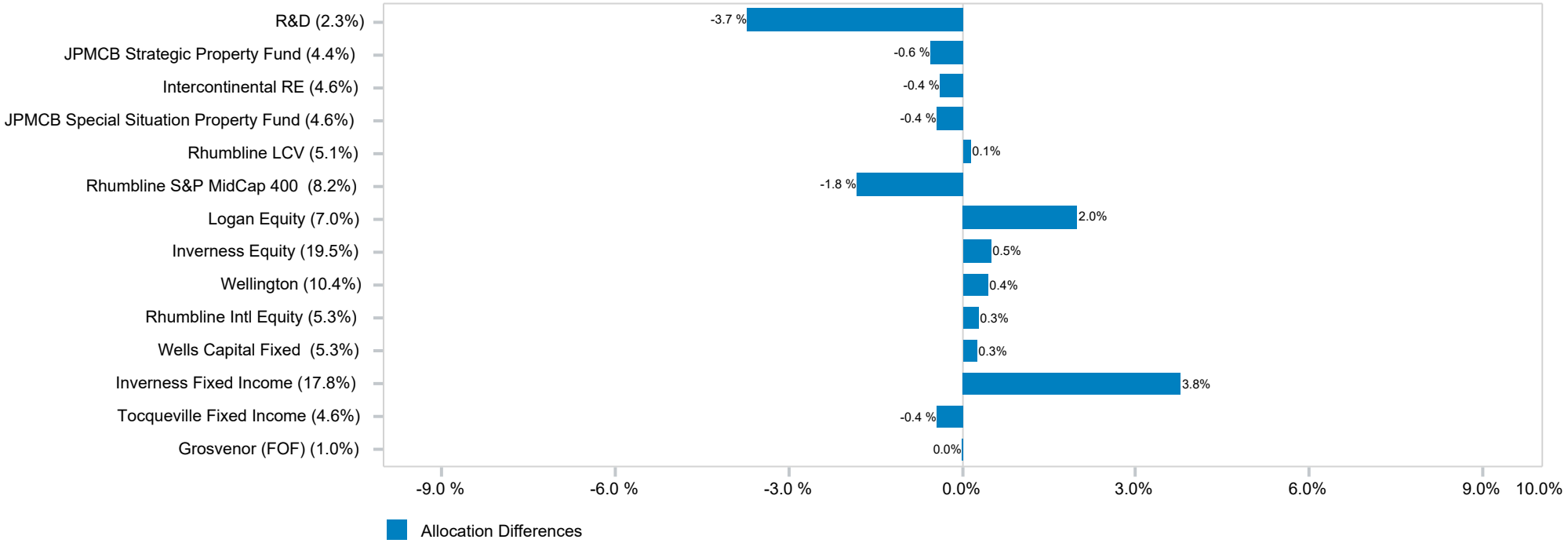
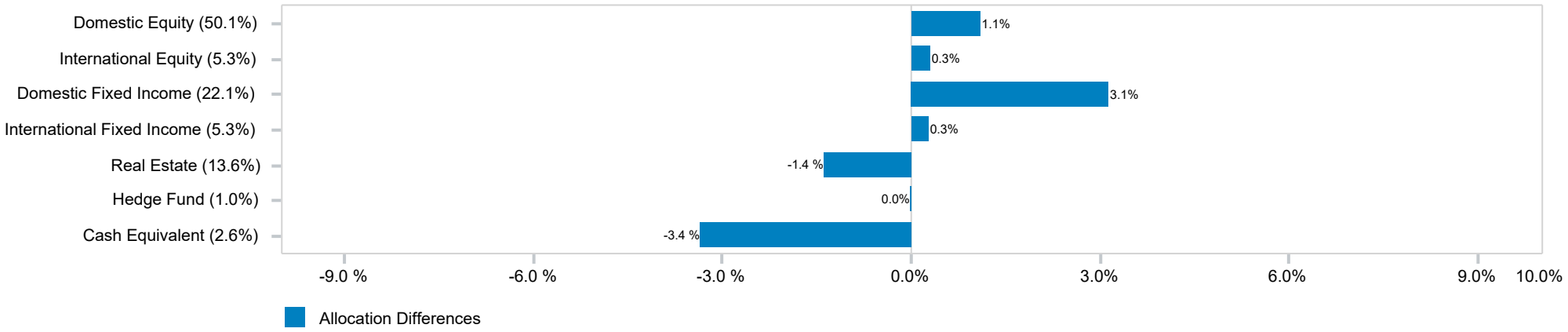
Asset Allocation Compliance

	Asset Allocation $	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. ($000)
Total Fund Composite	**1,098,257,177**	**100.0**	**100.0**	**0.0**	**-**
R&D	25,111,188	2.3	6.0	-3.7	40,784,243
JPMCB Strategic Property Fund	48,810,505	4.4	5.0	-0.6	6,102,354
Intercontinental RE	50,507,772	4.6	5.0	-0.4	4,405,087
JPMCB Special Situation Property Fund	50,000,000	4.6	5.0	-0.4	4,912,859
Rhumbline LCV	56,543,401	5.1	5.0	0.1	-1,630,542
Rhumbline S&P MidCap 400	89,680,514	8.2	10.0	-1.8	20,145,204
Logan Equity	76,638,673	7.0	5.0	2.0	-21,725,814
Inverness Equity	214,262,878	19.5	19.0	0.5	-5,594,014
Wellington	114,698,920	10.4	10.0	0.4	-4,873,202
Rhumbline Intl Equity	58,086,948	5.3	5.0	0.3	-3,174,089
Wells Capital Fixed	57,790,633	5.3	5.0	0.3	-2,877,774
Inverness Fixed Income	195,299,479	17.8	14.0	3.8	-41,543,475
Tocqueville Fixed Income	50,113,699	4.6	5.0	-0.4	4,799,160
Grosvenor (FOF)	10,712,568	1.0	1.0	0.0	270,004

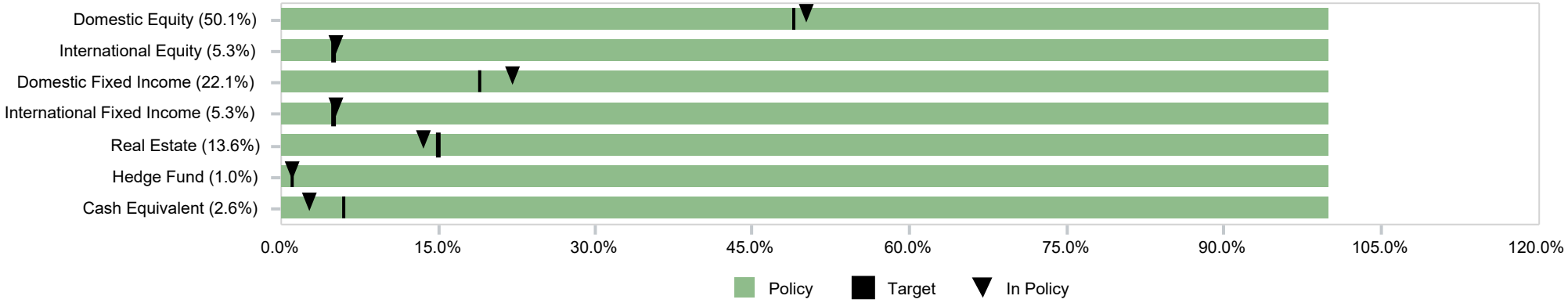


Asset Allocation Compliance

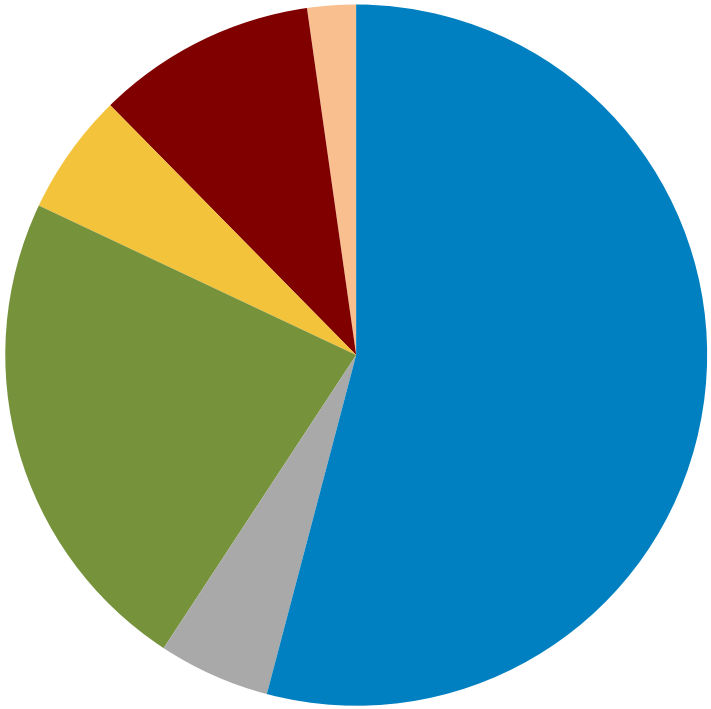
	Asset Allocation $	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. ($000)
Domestic Equity	550,137,272	50.1	49.0	1.1	-11,991,256
International Equity	58,086,948	5.3	5.0	0.3	-3,174,089
Domestic Fixed Income	243,123,505	22.1	19.0	3.1	-34,454,641
International Fixed Income	57,790,633	5.3	5.0	0.3	-2,877,774
Real Estate	149,318,277	13.6	15.0	-1.4	15,420,299
Hedge Fund	10,712,568	1.0	1.0	0.0	270,004
Cash Equivalent	29,087,974	2.6	6.0	-3.4	36,807,456
Total Fund	**1,098,257,177**	**100.0**	**100.0**	**0.0**	**-**



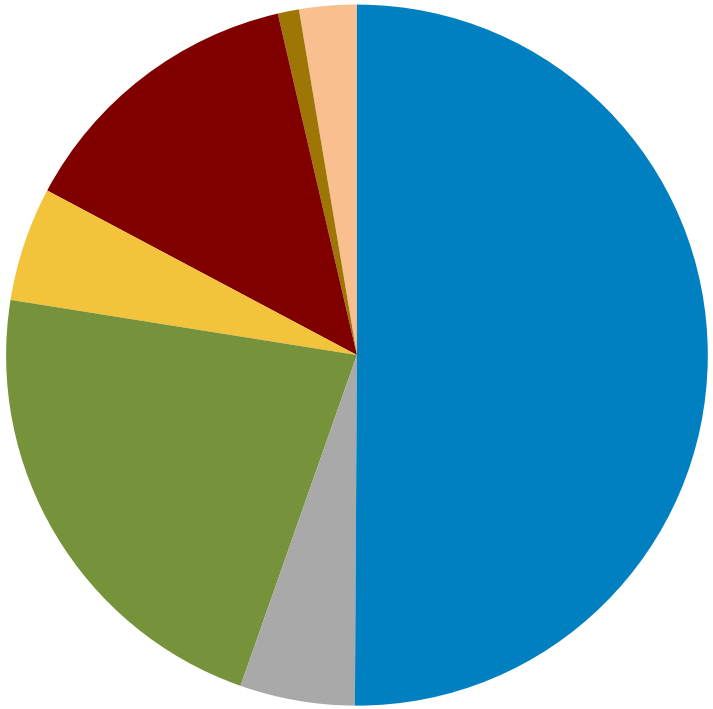
Executive Summary



Asset Allocation By Segment as of September 30, 2020 : $973,267,093



Asset Allocation By Segment as of December 31, 2020 : $1,098,257,177



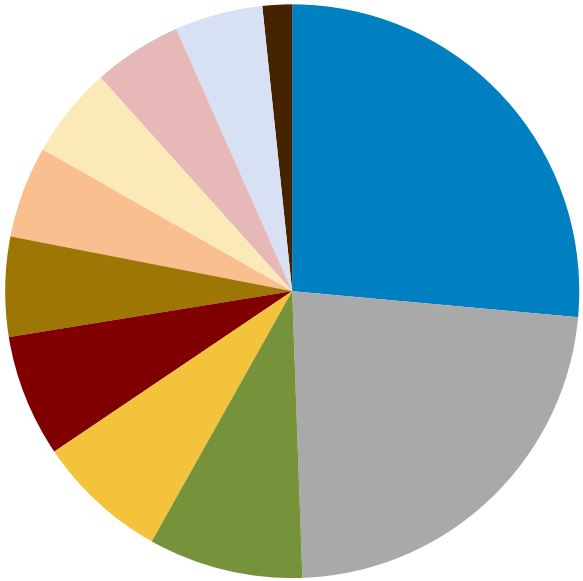
Allocation

Segments	Market Value	Allocation
Domestic Equity	526,562,596	54.1
International Equity	50,084,640	5.1
Domestic Fixed Income	221,560,141	22.8
International Fixed Income	54,668,061	5.6
Real Estate	98,590,809	10.1
Hedge Fund	-	0.0
Cash Equivalent	21,800,846	2.2

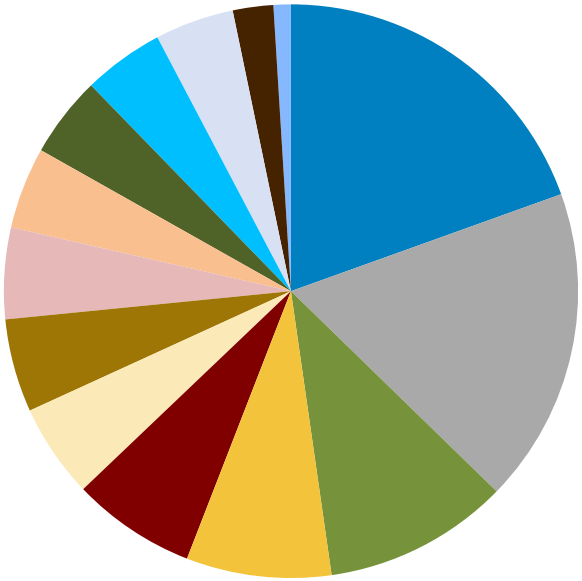
Allocation

Segments	Market Value	Allocation
Domestic Equity	550,137,272	50.1
International Equity	58,086,948	5.3
Domestic Fixed Income	243,123,505	22.1
International Fixed Income	57,790,633	5.3
Real Estate	149,318,277	13.6
Hedge Fund	10,712,568	1.0
Cash Equivalent	29,087,974	2.6

Asset Allocation By Manager as of September 30, 2020 : $973,267,093



Asset Allocation By Manager as of December 31, 2020 : $1,098,257,177



Allocation

	Market Value	Allocation
Inverness Equity	257,361,895	26.4
Inverness Fixed Income	223,785,141	23.0
Wellington	84,726,764	8.7
Rhumbline S&P MidCap 400	72,128,314	7.4
Logan Equity	67,087,107	6.9
Wells Capital Fixed	54,668,061	5.6
Intercontinental RE	50,282,011	5.2
Rhumbline Intl Equity	50,084,640	5.1
Rhumbline LCV	48,668,457	5.0
JPMCB Strategic Property Fund	48,308,798	5.0
R&D	16,165,905	1.7
Grosvenor (FOF)	-	0.0
Tocqueville Fixed Income	-	0.0
JPMCB Special Situation Property Fund	-	0.0

Allocation

	Market Value	Allocation
Inverness Equity	214,262,878	19.5
Inverness Fixed Income	195,299,479	17.8
Wellington	114,698,920	10.4
Rhumbline S&P MidCap 400	89,680,514	8.2
Logan Equity	76,638,673	7.0
Rhumbline Intl Equity	58,086,948	5.3
Wells Capital Fixed	57,790,633	5.3
Rhumbline LCV	56,543,401	5.1
Intercontinental RE	50,507,772	4.6
Tocqueville Fixed Income	50,113,699	4.6
JPMCB Special Situation Property Fund	50,000,000	4.6
JPMCB Strategic Property Fund	48,810,505	4.4
R&D	25,111,188	2.3
Grosvenor (FOF)	10,712,568	1.0

Financial Reconciliation Quarter to Date

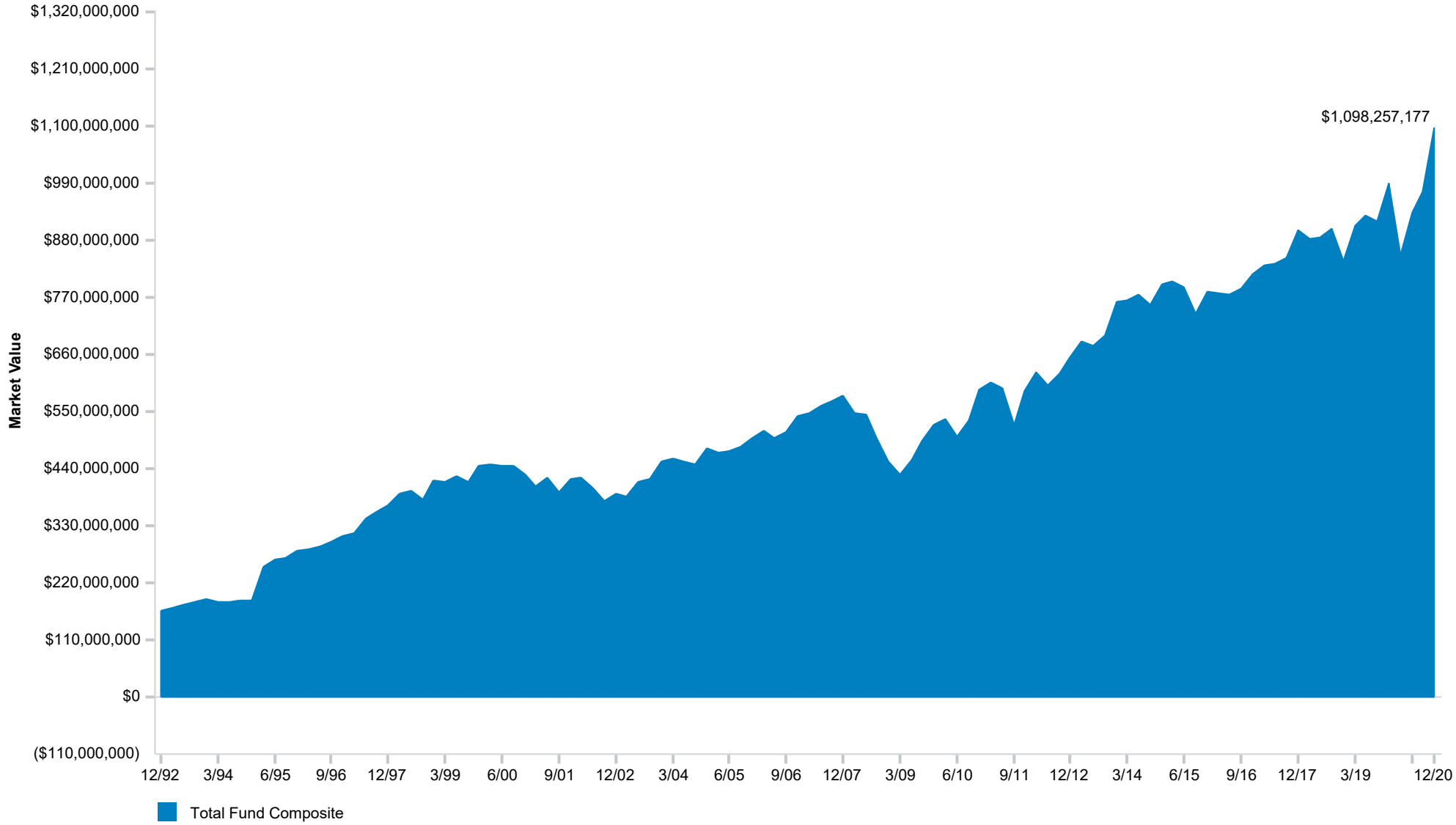
	Market Value 10/01/2020	Apprec./ Deprec.	Income	Net Flows	Management Fees	Market Value 12/31/2020
Inverness Equity	257,361,895	20,365,970	535,013	-63,464,987	-264,968	214,262,878
Logan Equity	67,087,107	9,404,716	146,850	146,850	-100,635	76,638,673
Rhumbline LCV	48,668,457	7,539,095	335,849	335,849	-4,883	56,543,401
Wellington	84,726,764	29,735,935	236,221	236,221	-126,677	114,698,920
Rhumbline S&P MidCap 400	72,128,314	17,191,066	361,134	361,134	-7,283	89,680,514
Rhumbline Intl Equity	50,084,640	7,831,618	170,690	170,690	-6,267	58,086,948
Inverness Fixed Income	223,785,141	-253,475	1,040,079	-28,232,186	-119,044	195,299,479
Wells Capital Fixed	54,668,061	3,122,571	-	-	-43,448	57,790,633
Tocqueville Fixed Income	-	-240,540	651,243	50,354,239	-	50,113,699
JPMCB Strategic Property Fund	48,308,798	505,882	426,556	-4,174	-120,760	48,810,505
JPMCB Special Situation Property Fund	-	-	-	50,000,000	-	50,000,000
Intercontinental RE	50,282,011	-146,795	387,666	372,556	-15,111	50,507,772
Grosvenor (FOF)	-	712,568	-	10,000,000	-	10,712,568
R&D	16,165,905	-	1,734	8,945,282	-	25,111,188
Total Fund Composite	**973,267,093**	**95,768,610**	**4,293,037**	**29,221,474**	**-809,075**	**1,098,257,177**

AndCo Consulting Annual Fee $92,643, 1 Basis Point, 0.01%

Asset Allocation Attributes

	Domestic Equity		International Equity		Domestic Fixed Income		International Fixed Income		Real Estate		Hedge Fund		Cash Equivalent		Total Fund	
	($)	%	($)	%	($)	%	($)	%	($)	%	($)	%	($)	%	($)	%
Inverness Equity	213,874,655	99.82	-	-	-	-	-	-	-	-	-	-	388,223	0.18	214,262,878	19.51
Logan Equity	75,488,263	98.50	-	-	-	-	-	-	-	-	-	-	1,150,410	1.50	76,638,673	6.98
Rhumbline LCV	56,543,401	100.00	-	-	-	-	-	-	-	-	-	-	-	-	56,543,401	5.15
Wellington	114,698,920	100.00	-	-	-	-	-	-	-	-	-	-	-	-	114,698,920	10.44
Rhumbline S&P MidCap 400	89,532,033	99.83	-	-	-	-	-	-	-	-	-	-	148,480	0.17	89,680,514	8.17
Rhumbline Intl Equity	-	-	58,086,948	100.00	-	-	-	-	-	-	-	-	-	-	58,086,948	5.29
Inverness Fixed Income	-	-	-	-	193,567,069	99.11	-	-	-	-	-	-	1,732,410	0.89	195,299,479	17.78
Wells Capital Fixed	-	-	-	-	-	-	57,790,633	100.00	-	-	-	-	-	-	57,790,633	5.26
Tocqueville Fixed Income	-	-	-	-	49,556,436	98.89	-	-	-	-	-	-	557,263	1.11	50,113,699	4.56
JPMCB Strategic Property Fund	-	-	-	-	-	-	-	-	48,810,505	100.00	-	-	-	-	48,810,505	4.44
JPMCB Special Situation Property Fund	-	-	-	-	-	-	-	-	50,000,000	100.00	-	-	-	-	50,000,000	4.55
Intercontinental RE	-	-	-	-	-	-	-	-	50,507,772	100.00	-	-	-	-	50,507,772	4.60
Grosvenor (FOF)	-	-	-	-	-	-	-	-	-	-	10,712,568	100.00	-	-	10,712,568	0.98
Inverness Cash	-	-	-	-	-	-	-	-	-	-	-	-	25,111,188	100.00	25,111,188	2.29
Total Fund Composite	**550,137,272**	**50.09**	**58,086,948**	**5.29**	**243,123,505**	**22.14**	**57,790,633**	**5.26**	**149,318,277**	**13.60**	**10,712,568**	**0.98**	**29,087,974**	**2.65**	**1,098,257,177**	**100.00**

Schedule of Investable Assets



Schedule of Investable Assets

Periods Ending	Beginning Market Value $	Ending Market Value $	%Return
Inception	161,588,000	1,098,257,177	8.27

Asset Allocation & Performance

	Allocation		Performance(%)									
	Market Value $	%	QTD	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total Fund Composite (Net)	**1,098,257,177**	**100.0**	**9.85 (57)**	**9.85 (57)**	**14.14 (37)**	**9.77 (31)**	**10.05 (40)**	**8.21 (31)**	**8.68 (31)**	**7.62 (13)**	**8.27 (23)**	**10/01/1992**
Total Policy Index			10.46 (41)	10.46 (41)	13.00 (48)	9.13 (47)	9.77 (50)	8.07 (38)	8.76 (28)	7.20 (34)	7.94 (32)	
Difference			-0.61	-0.61	1.14	0.64	0.28	0.14	-0.08	0.42	0.33	
All Public Plans-Total Fund Median			10.11	10.11	12.84	8.97	9.73	7.71	8.20	6.88	7.70	
Total Fund Composite	**1,098,257,177**	**100.0**	**9.93**	**9.93**	**14.56**	**10.20**	**10.47**	**8.63**	**9.11**	**8.04**	**8.56**	**10/01/1992**
Total Policy Index			10.46	10.46	13.00	9.13	9.77	8.07	8.76	7.20	7.94	
Difference			-0.53	-0.53	1.56	1.07	0.70	0.56	0.35	0.84	0.62	
Total Equity Composite (Gross)	**550,137,272**	**50.1**	**18.46**	**18.46**	**23.21**	**14.82**	**15.50**	**12.44**	**13.24**	**10.40**	**11.58**	**10/01/1990**
Total Equity Policy			18.61	18.61	17.51	11.99	13.95	11.27	12.51	9.30	10.70	
Difference			-0.15	-0.15	5.70	2.83	1.55	1.17	0.73	1.10	0.88	
Inverness Equity (Gross)	214,262,878	19.5	10.72 (74)	10.72 (74)	25.88 (7)	16.78 (11)	15.95 (17)	13.66 (17)	14.18 (27)	10.83 (23)	7.83 (49)	01/01/2000
S&P 500 Index			12.15 (49)	12.15 (49)	18.40 (41)	14.18 (38)	15.22 (34)	12.92 (32)	13.88 (39)	9.88 (58)	6.61 (90)	
Difference			-1.43	-1.43	7.48	2.60	0.73	0.74	0.30	0.95	1.22	
IM U.S. Large Cap Core Equity (SA+CF) Median			12.15	12.15	16.00	12.94	14.26	12.33	13.58	10.06	7.79	
Rhumbline LCV (Net)	56,543,401	5.1	16.17 (44)	16.17 (44)	2.76 (48)	6.01 (47)	N/A	N/A	N/A	N/A	7.86 (54)	01/01/2017
Russell 1000 Value Index			16.25 (43)	16.25 (43)	2.80 (48)	6.07 (47)	9.74 (38)	8.20 (33)	10.50 (26)	7.34 (34)	7.92 (53)	
Difference			-0.08	-0.08	-0.04	-0.06	N/A	N/A	N/A	N/A	-0.06	
IM U.S. Large Cap Value Equity (MF) Median			15.77	15.77	2.62	5.82	9.28	7.59	9.74	6.87	8.03	
Logan Equity (Net)	76,638,673	7.0	14.09 (15)	14.09 (15)	36.02 (51)	22.03 (51)	19.74 (36)	16.18 (44)	15.61 (55)	N/A	11.93 (51)	04/01/2007
Russell 1000 Growth Index			11.39 (45)	11.39 (45)	38.49 (37)	22.99 (39)	21.00 (16)	17.53 (16)	17.21 (20)	12.54 (19)	12.94 (25)	
Difference			2.70	2.70	-2.47	-0.96	-1.26	-1.35	-1.60	N/A	-1.01	
IM U.S. Large Cap Growth Equity (MF) Median			11.12	11.12	36.17	22.09	19.00	15.96	15.75	11.42	12.01	
Rhumbline S&P MidCap 400 (Net)	89,680,514	8.2	24.32 (11)	24.32 (11)	13.65 (35)	8.37 (42)	12.25 (26)	9.73 (23)	11.33 (17)	9.42 (16)	10.81 (3)	07/01/1997
S&P MidCap 400 Index			24.37 (11)	24.37 (11)	13.66 (35)	8.45 (41)	12.35 (25)	9.78 (23)	11.51 (16)	9.55 (15)	10.81 (3)	
Difference			-0.05	-0.05	-0.01	-0.08	-0.10	-0.05	-0.18	-0.13	0.00	
IM U.S. Mid Cap Core Equity (MF) Median			19.40	19.40	10.02	7.85	10.12	7.86	9.70	7.95	8.64	
Wellington (Net)	114,698,920	10.4	35.23 (9)	35.23 (9)	29.12 (2)	15.57 (1)	17.38 (1)	13.40 (1)	15.09 (1)	12.43 (1)	12.40 (1)	07/01/1999
Russell 2000 Index			31.37 (26)	31.37 (26)	19.96 (13)	10.25 (14)	13.26 (10)	9.34 (14)	11.20 (16)	8.91 (18)	8.48 (65)	
Difference			3.86	3.86	9.16	5.32	4.12	4.06	3.89	3.52	3.92	
IM U.S. Small Cap Core Equity (MF) Median			28.43	28.43	10.36	6.28	10.35	7.28	9.52	7.95	8.96	

	Allocation		Performance(%)									
	Market Value $	%	QTD	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
International Equity												
Rhumbline Intl Equity (Net)	58,086,948	5.3	15.96 (58)	15.96 (58)	7.88 (70)	4.45 (57)	7.60 (67)	N/A	N/A	N/A	7.60 (67)	01/01/2016
MSCI EAFE Index			16.09 (58)	16.09 (58)	8.28 (68)	4.79 (53)	7.97 (63)	4.88 (57)	6.00 (39)	4.97 (59)	7.97 (63)	
Difference			-0.13	-0.13	-0.40	-0.34	-0.37	N/A	N/A	N/A	-0.37	
IM International Equity (MF) Median			16.90	16.90	13.79	4.98	9.05	5.28	5.41	5.44	9.05	
Total Fixed Income Composite (Gross)	**300,914,137**	**27.4**	**1.45**	**1.45**	**9.12**	**5.99**	**4.83**	**4.13**	**3.94**	**4.73**	**5.68**	**07/01/1994**
Total Fixed Income Index			1.48	1.48	8.37	5.22	4.44	3.63	3.42	4.12	5.24	
Difference			-0.03	-0.03	0.75	0.77	0.39	0.50	0.52	0.61	0.44	
Inverness Fixed Income (Gross)	195,299,479	17.8	0.51 (76)	0.51 (76)	7.46 (28)	5.69 (9)	4.52 (13)	4.15 (11)	3.99 (13)	4.77 (16)	6.16 (13)	10/01/1990
Inverness Fixed Income Index			0.65 (52)	0.65 (52)	7.68 (21)	5.32 (17)	4.31 (22)	3.81 (22)	3.65 (35)	4.28 (57)	5.76 (58)	
Difference			-0.14	-0.14	-0.22	0.37	0.21	0.34	0.34	0.49	0.40	
IM U.S. Intermediate Duration (SA+CF) Median			0.69	0.69	6.88	4.92	3.93	3.53	3.49	4.30	5.79	
Wells Capital Fixed Income (Net)	57,790,633	5.3	5.63 (78)	5.63 (78)	11.77 (4)	4.92 (27)	5.14 (74)	2.30 (62)	N/A	N/A	1.88 (73)	10/01/2011
FTSE Non-U.S. World Government Bond			4.82 (84)	4.82 (84)	10.78 (7)	4.63 (34)	5.17 (74)	2.43 (62)	1.88 (72)	3.75 (80)	1.43 (84)	
Difference			0.81	0.81	0.99	0.29	-0.03	-0.13	N/A	N/A	0.45	
IM International Fixed Income All (MF) Median			7.31	7.31	5.20	3.93	6.16	3.34	3.09	5.09	3.10	
Tocqueville Fixed Income (Gross)	50,113,699	4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.77 (69)	11/01/2020
Tocqueville Policy			0.65 (52)	0.65 (52)	N/A	N/A	N/A	N/A	N/A	N/A	1.07 (37)	
Difference			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.30	
IM U.S. Intermediate Duration (SA+CF) Median			0.69	0.69	6.88	4.92	3.93	3.53	3.49	4.30	0.88	
Total Real Estate												
JPMCB Strategic Property Fund (Gross)	48,810,505	4.4	1.95 (42)	1.95 (42)	1.43 (60)	4.59 (90)	5.85 (81)	7.89 (86)	9.87 (70)	N/A	5.49 (45)	10/01/2007
NCREIF Fund Index-Open End Diversified Core (EW)			1.36 (65)	1.36 (65)	1.57 (55)	5.26 (62)	6.56 (60)	8.55 (61)	9.99 (64)	6.36 (71)	5.02 (76)	
Difference			0.59	0.59	-0.14	-0.67	-0.71	-0.66	-0.12	N/A	0.47	
IM U.S. Open End Private Real Estate (SA+CF) Median			1.71	1.71	1.86	5.80	6.78	8.96	10.49	6.69	5.49	
Intercontinental RE (Gross)	50,507,772	4.6	0.48 (91)	0.48 (91)	1.64 (54)	N/A	N/A	N/A	N/A	N/A	6.83 (19)	04/01/2018
NCREIF Fund Index-Open End Diversified Core (EW)			1.36 (65)	1.36 (65)	1.57 (55)	5.26 (62)	6.56 (60)	8.55 (61)	9.99 (64)	6.36 (71)	4.93 (67)	
Difference			-0.88	-0.88	0.07	N/A	N/A	N/A	N/A	N/A	1.90	
IM U.S. Private Real Estate (SA+CF) Median			1.71	1.71	1.86	5.80	6.78	8.96	10.49	6.69	5.54	
JPMCB Special Situation Property Fund (Gross)	50,000,000	4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12/07/2020
NCREIF Fund Index-Open End Diversified Core (EW)			1.36 (65)	1.36 (65)	1.57 (55)	5.26 (62)	6.56 (60)	8.55 (61)	9.99 (64)	6.36 (71)	1.36 (N/A)	
Difference			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median			1.71	1.71	1.86	5.80	6.78	8.96	10.49	6.69	N/A	

	Allocation		Performance(%)									
	Market Value $	%	QTD	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total Hedge Fund (FOF)												
Grosvenor (FOF) (gross)	10,712,568	1.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.13	11/01/2020
90 day T-Bill + 5.0%			1.26	1.26	N/A	N/A	N/A	N/A	N/A	N/A	0.84	
Difference			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.29	
Grosvenor (FOF) (Net)	10,712,568	1.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.13	11/01/2020
90 day T-Bill + 5.0%			1.26	1.26	N/A	N/A	N/A	N/A	N/A	N/A	0.84	
Difference			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.29	

Asset Allocation & Performance

	Allocation	Performance(%)									
	%	4 Quarters Ending Sep-2020	4 Quarters Ending Sep-2019	4 Quarters Ending Sep-2018	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013	4 Quarters Ending Sep-2012	4 Quarters Ending Sep-2011
Total Fund Composite (Net)	**100.0**	**9.11 (49)**	**4.46 (36)**	**9.40 (23)**	**10.68 (74)**	**9.51 (45)**	**0.46 (22)**	**9.98 (44)**	**12.79 (32)**	**19.44 (14)**	**-1.05 (73)**
Total Policy Index		7.41 (68)	4.31 (41)	8.64 (36)	10.41 (78)	10.53 (14)	0.85 (17)	9.50 (54)	12.02 (45)	18.03 (38)	2.49 (6)
Difference		1.70	0.15	0.76	0.27	-1.02	-0.39	0.48	0.77	1.41	-3.54
All Public Plans-Total Fund Median		8.97	4.03	7.93	11.61	9.28	-0.61	9.68	11.74	17.54	-0.31
Total Fund Composite (Gross)	**100.0**	**9.55**	**4.89**	**9.81**	**11.09**	**9.94**	**0.88**	**10.42**	**13.25**	**19.91**	**-0.64**
Total Policy Index		7.41	4.31	8.64	10.41	10.53	0.85	9.50	12.02	18.03	2.49
Difference		2.14	0.58	1.17	0.68	-0.59	0.03	0.92	1.23	1.88	-3.13
Total Equity Composite (Gross)	**50.1**	**12.83**	**1.99**	**18.01**	**19.97**	**12.80**	**-0.77**	**15.62**	**23.72**	**33.10**	**-5.01**
Total Equity Policy		7.76	0.65	15.62	18.97	14.63	-0.70	14.72	21.70	27.57	0.61
Difference		5.07	1.34	2.39	1.00	-1.83	-0.07	0.90	2.02	5.53	-5.62
Inverness Equity (Gross)	19.5	22.19 (8)	4.26 (40)	21.05 (13)	18.70 (51)	11.47 (69)	0.06 (51)	19.67 (46)	21.68 (35)	34.89 (7)	-5.79 (96)
S&P 500 Index		15.15 (37)	4.25 (40)	17.91 (39)	18.61 (53)	15.43 (23)	-0.61 (64)	19.73 (45)	19.34 (64)	30.20 (44)	1.14 (52)
Difference		7.04	0.01	3.14	0.09	-3.96	0.67	-0.06	2.34	4.69	-6.93
IM U.S. Large Cap Core Equity (SA+CF) Median		12.62	3.26	17.31	18.74	13.41	0.11	19.19	20.55	29.63	1.17
Rhumbline LCV (Net)	5.1	-5.02 (54)	3.95 (30)	9.38 (62)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index		-5.03 (54)	4.00 (30)	9.45 (61)	15.12 (72)	16.19 (18)	-4.42 (41)	18.89 (19)	22.30 (52)	30.92 (15)	-1.89 (30)
Difference		0.01	-0.05	-0.07	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Value Equity (MF) Median		-4.55	1.87	10.42	16.74	12.49	-4.90	17.21	22.35	28.44	-3.39
RBC (Net)	0.0	N/A	N/A	N/A	N/A	9.07 (91)	-1.61 (9)	18.61 (24)	20.35 (76)	33.15 (7)	-1.48 (26)
Russell 1000 Value Index		-5.03 (54)	4.00 (30)	9.45 (61)	15.12 (72)	16.19 (18)	-4.42 (41)	18.89 (19)	22.30 (52)	30.92 (15)	-1.89 (30)
Difference		N/A	N/A	N/A	N/A	-7.12	2.81	-0.28	-1.95	2.23	0.41
IM U.S. Large Cap Value Equity (MF) Median		-4.55	1.87	10.42	16.74	12.49	-4.90	17.21	22.35	28.44	-3.39
Logan Equity (Net)	7.0	31.36 (73)	2.94 (43)	26.84 (34)	21.34 (35)	9.59 (73)	6.79 (6)	16.18 (62)	23.47 (16)	24.55 (77)	-2.98 (79)
Russell 1000 Growth Index		37.53 (34)	3.71 (33)	26.30 (38)	21.94 (28)	13.76 (18)	3.17 (45)	19.15 (22)	19.27 (52)	29.19 (35)	3.78 (17)
Difference		-6.17	-0.77	0.54	-0.60	-4.17	3.62	-2.97	4.20	-4.64	-6.76
IM U.S. Large Cap Growth Equity (MF) Median		34.55	2.32	25.06	20.13	10.96	2.84	16.89	19.37	27.40	0.50
Rhumbline S&P MidCap 400 (Net)	8.2	-2.16 (55)	-2.52 (77)	14.03 (25)	17.38 (27)	15.20 (21)	1.46 (26)	11.89 (55)	27.63 (49)	27.96 (33)	-1.90 (33)
S&P MidCap 400 Index		-2.16 (55)	-2.49 (77)	14.21 (23)	17.52 (25)	15.33 (21)	1.40 (26)	11.82 (55)	27.68 (48)	28.54 (29)	-1.28 (29)
Difference		0.00	-0.03	-0.18	-0.14	-0.13	0.06	0.07	-0.05	-0.58	-0.62
IM U.S. Mid Cap Core Equity (MF) Median		-1.32	1.09	10.84	15.25	11.87	-1.05	12.32	27.52	26.17	-3.68

	Allocation	Performance(%)									
	%	4 Quarters Ending Sep-2020	4 Quarters Ending Sep-2019	4 Quarters Ending Sep-2018	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013	4 Quarters Ending Sep-2012	4 Quarters Ending Sep-2011
Wellington (Net)	10.4	5.85 (7)	-1.69 (12)	13.92 (36)	25.41 (5)	15.81 (32)	3.35 (22)	10.15 (9)	32.43 (19)	37.20 (5)	-2.24 (31)
Russell 2000 Index		0.39 (19)	-8.89 (60)	15.24 (25)	20.74 (28)	15.47 (36)	1.25 (48)	3.93 (73)	30.06 (43)	31.91 (27)	-3.53 (46)
Difference		5.46	7.20	-1.32	4.67	0.34	2.10	6.22	2.37	5.29	1.29
IM U.S. Small Cap Core Equity (MF) Median		-7.64	-8.14	11.83	19.11	13.91	1.02	5.47	29.29	29.16	-3.91
International Equity											
Rhumbline Intl Equity (Net)	5.3	0.59 (71)	-1.11 (43)	2.69 (25)	19.18 (53)	N/A	N/A	N/A	N/A	N/A	N/A
MSCI EAFE Index		0.93 (69)	-0.82 (41)	3.25 (21)	19.65 (48)	7.06 (65)	-8.27 (47)	4.70 (44)	24.29 (19)	14.33 (66)	-8.94 (24)
Difference		-0.34	-0.29	-0.56	-0.47	N/A	N/A	N/A	N/A	N/A	N/A
IM International Equity (MF) Median		6.64	-1.93	0.08	19.37	9.32	-8.75	4.26	17.81	16.20	-12.08
Total Fixed Income Composite (Gross)	**27.4**	**8.27**	**9.76**	**-1.08**	**-1.12**	**6.97**	**1.71**	**3.45**	**-1.18**	**6.30**	**3.67**
Total Fixed Income Index		6.94	9.25	-1.42	-0.33	5.79	1.31	2.56	-1.84	4.82	4.27
Difference		1.33	0.51	0.34	-0.79	1.18	0.40	0.89	0.66	1.48	-0.60
Inverness Fixed Income (Gross)	17.8	7.52 (9)	9.96 (4)	-0.50 (60)	-0.89 (100)	6.33 (3)	3.03 (26)	3.36 (29)	-0.84 (83)	6.45 (27)	3.67 (47)
Inverness Fixed Income Index		7.18 (16)	9.74 (5)	-1.16 (97)	0.11 (92)	4.68 (17)	2.71 (48)	3.13 (38)	-1.23 (93)	5.03 (66)	4.27 (21)
Difference		0.34	0.22	0.66	-1.00	1.65	0.32	0.23	0.39	1.42	-0.60
IM U.S. Intermediate Duration (SA+CF) Median		6.46	8.01	-0.39	0.69	3.90	2.70	2.87	-0.27	5.57	3.60
Wells Capital Fixed Income (Net)	5.3	6.99 (5)	8.09 (64)	-5.24 (71)	-3.01 (100)	10.71 (73)	-8.35 (50)	3.67 (52)	-4.20 (53)	4.98 (89)	N/A
FTSE Non-U.S. World Government Bond		5.60 (8)	6.78 (70)	-1.57 (14)	-3.14 (100)	12.61 (59)	-7.01 (41)	-0.99 (78)	-5.63 (77)	3.45 (95)	4.13 (4)
Difference		1.39	1.31	-3.67	0.13	-1.90	-1.34	4.66	1.43	1.53	N/A
IM International Fixed Income All (MF) Median		1.46	9.08	-3.90	6.27	13.82	-8.41	4.09	-4.01	13.45	-0.39
Tocqueville Fixed Income (Gross)	4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tocqueville Policy		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Difference		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Intermediate Duration (SA+CF) Median		6.46	8.01	-0.39	0.69	3.90	2.70	2.87	-0.27	5.57	3.60

	Allocation	Performance(%)									
	%	4 Quarters Ending Sep-2020	4 Quarters Ending Sep-2019	4 Quarters Ending Sep-2018	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013	4 Quarters Ending Sep-2012	4 Quarters Ending Sep-2011
Total Real Estate											
JPMCB Strategic Property Fund (Gross)	4.4	1.77 (55)	3.92 (97)	8.01 (72)	7.58 (60)	9.65 (85)	14.48 (65)	12.13 (77)	14.92 (37)	12.41 (55)	18.07 (43)
NCREIF Fund Index-Open End Diversified Core (EW)		1.74 (60)	6.17 (72)	8.82 (59)	7.81 (56)	10.62 (68)	14.71 (61)	12.39 (67)	12.47 (69)	11.77 (64)	18.03 (43)
Difference		0.03	-2.25	-0.81	-0.23	-0.97	-0.23	-0.26	2.45	0.64	0.04
IM U.S. Open End Private Real Estate (SA+CF) Median		1.90	6.89	9.04	8.05	11.32	15.45	12.78	13.28	12.89	16.62
Intercontinental RE (Gross)	4.6	4.40 (14)	8.32 (22)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)		1.74 (60)	6.17 (72)	8.82 (59)	7.81 (57)	10.62 (68)	14.71 (65)	12.39 (71)	12.47 (71)	11.77 (65)	18.03 (46)
Difference		2.66	2.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Private Real Estate (SA+CF) Median		1.90	6.89	9.04	8.17	11.57	15.79	13.12	13.56	13.05	16.96
JPMCB Special Situation Property Fund (Gross)	4.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)		1.74 (60)	6.17 (72)	8.82 (59)	7.81 (56)	10.62 (68)	14.71 (61)	12.39 (67)	12.47 (69)	11.77 (64)	18.03 (43)
Difference		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median		1.90	6.89	9.04	8.05	11.32	15.45	12.78	13.28	12.89	16.62
Total Hedge Fund (FOF)											
Grosvenor (FOF) (Gross)	1.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
90 day T-Bill + 5.0%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Difference		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grosvenor (FOF) (Net)	1.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
90 day T-Bill + 5.0%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Difference		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Historical Rolling Performance

	QTR	1 YR	3 YR	5 YR	Inception
12/31/2020	9.93	14.56	10.20	10.47	8.56
09/30/2020	6.17	9.55	8.06	9.04	8.27
06/30/2020	12.00	3.91	7.03	6.75	8.12
03/31/2020	-12.36	-3.50	3.94	4.38	7.75
12/31/2019	5.12	21.12	10.00	7.71	8.34
09/30/2019	0.70	4.89	8.57	7.25	8.22
06/30/2019	4.02	7.96	9.51	6.90	8.28
03/31/2019	9.99	6.18	8.72	6.78	8.20
12/31/2018	-8.96	-3.54	5.85	5.17	7.89
09/30/2018	3.65	9.81	10.28	8.36	8.35
06/30/2018	2.30	9.30	7.31	8.65	8.29
03/31/2018	-0.08	9.58	6.53	8.29	8.28
12/31/2017	3.64	13.91	7.46	9.70	8.36
09/30/2017	3.16	11.09	7.20	9.03	8.30
06/30/2017	2.57	11.30	5.77	9.48	8.25
03/31/2017	3.87	10.44	6.05	8.49	8.22
12/31/2016	1.07	7.93	5.40	9.33	8.14
09/30/2016	3.35	9.94	6.99	10.71	8.18
06/30/2016	1.79	1.59	7.58	7.68	8.12
03/31/2016	1.51	-0.10	7.16	7.27	8.13
12/31/2015	2.95	0.94	8.92	7.77	8.15
09/30/2015	-4.50	0.88	8.05	8.49	8.11
06/30/2015	0.10	4.65	11.64	11.23	8.42
03/31/2015	2.56	8.11	10.84	10.15	8.51
12/31/2014	2.89	7.49	12.77	10.55	8.49
09/30/2014	-0.93	10.42	14.46	10.61	8.45
06/30/2014	3.41	17.11	10.84	12.95	8.59
03/31/2014	1.97	13.93	9.55	14.14	8.53
12/31/2013	5.70	19.09	10.24	12.77	8.53
09/30/2013	5.07	13.25	10.50	8.93	8.35
06/30/2013	0.60	13.53	11.58	6.38	8.20
03/31/2013	6.59	10.58	9.61	6.40	8.27
12/31/2012	0.52	12.03	8.86	4.18	8.04
09/30/2012	5.33	19.91	9.80	4.04	8.11
06/30/2012	-2.02	2.43	11.40	3.58	7.94
03/31/2012	7.99	4.38	15.42	4.83	8.16
12/31/2011	7.59	0.42	10.99	3.77	7.83
09/30/2011	-10.02	-0.64	4.14	3.09	7.53
06/30/2011	-0.16	19.46	5.41	6.04	8.24
03/31/2011	3.90	14.09	5.72	5.83	8.36

Returns for periods greater than one year are annualized.
Returns are expressed as percentages.

Historical Rolling Performance

	QTR	1 YR	3 YR	5 YR	Inception
12/31/2020	10.46	13.00	9.13	9.77	7.94
09/30/2020	4.44	7.41	6.77	8.23	7.63
06/30/2020	12.51	3.77	6.26	6.47	7.53
03/31/2020	-12.94	-4.69	2.97	3.93	7.14
12/31/2019	4.99	18.71	9.05	7.25	7.75
09/30/2019	0.91	4.31	7.75	6.88	7.64
06/30/2019	3.33	6.88	8.46	6.47	7.67
03/31/2019	8.44	5.53	8.12	6.46	7.61
12/31/2018	-7.74	-3.12	5.92	5.11	7.36
09/30/2018	3.40	8.64	9.85	7.92	7.77
06/30/2018	2.01	8.16	7.24	8.11	7.70
03/31/2018	-0.45	8.57	6.44	7.81	7.70
12/31/2017	3.46	12.76	7.25	9.17	7.80
09/30/2017	2.95	10.41	7.16	8.58	7.73
06/30/2017	2.40	10.37	5.78	8.85	7.68
03/31/2017	3.39	10.33	6.07	8.06	7.66
12/31/2016	1.30	8.77	5.51	8.85	7.60
09/30/2016	2.91	10.53	6.87	10.04	7.62
06/30/2016	2.36	3.31	7.35	7.66	7.57
03/31/2016	1.93	0.67	6.74	7.35	7.55
12/31/2015	2.93	0.59	8.13	7.75	7.55
09/30/2015	-3.81	0.85	7.34	8.39	7.50
06/30/2015	-0.26	3.81	10.24	10.92	7.76
03/31/2015	1.86	7.46	9.88	9.86	7.87
12/31/2014	3.19	7.35	11.78	10.30	7.87
09/30/2014	-0.98	9.50	13.12	10.24	7.81
06/30/2014	3.25	15.35	10.49	12.74	7.95
03/31/2014	1.76	12.42	9.64	14.27	7.89
12/31/2013	5.25	17.06	10.39	12.24	7.89
09/30/2013	4.31	12.02	10.66	8.50	7.73
06/30/2013	0.62	11.89	11.93	6.40	7.61
03/31/2013	5.96	9.81	9.83	6.03	7.67
12/31/2012	0.72	11.13	9.12	3.92	7.46
09/30/2012	4.20	18.03	9.91	3.64	7.52
06/30/2012	-1.25	4.49	12.16	3.15	7.39
03/31/2012	7.24	6.76	16.42	3.99	7.56
12/31/2011	6.97	3.39	11.04	2.80	7.27
09/30/2011	-7.75	2.49	4.38	2.24	6.99
06/30/2011	0.89	19.92	5.25	4.82	7.55
03/31/2011	3.86	13.00	4.56	4.52	7.60

Returns for periods greater than one year are annualized.
Returns are expressed as percentages.

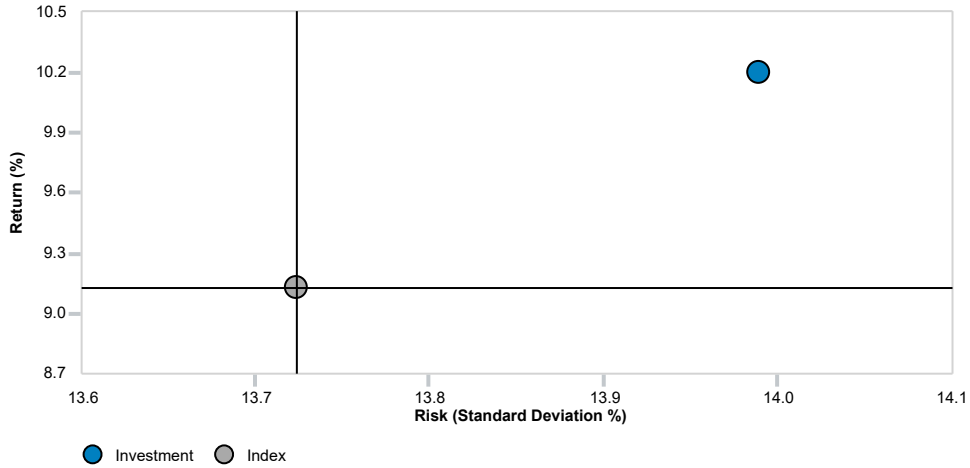
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.20	13.99	0.65	106.73	9	101.25	3
Index	9.13	13.72	0.59	100.00	9	100.00	3

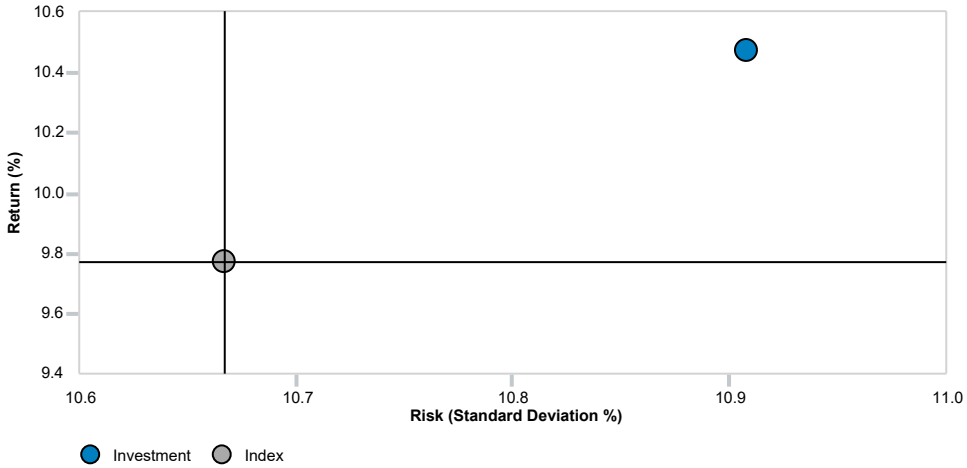
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.47	10.91	0.86	105.14	17	101.25	3
Index	9.77	10.67	0.81	100.00	17	100.00	3

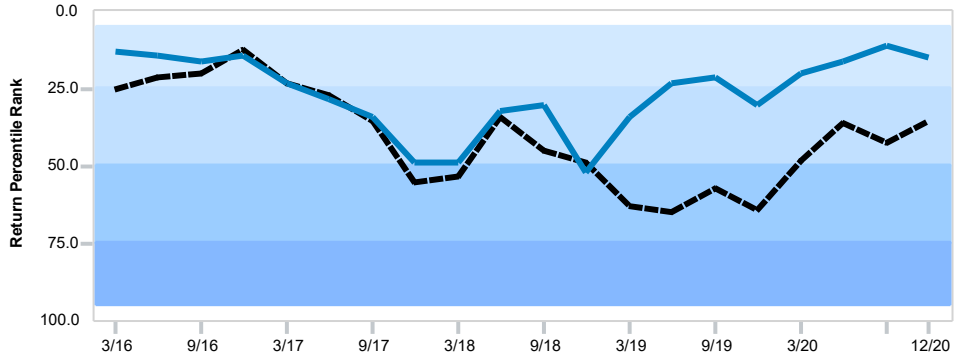
Risk and Return 3 Years



Risk and Return 5 Years

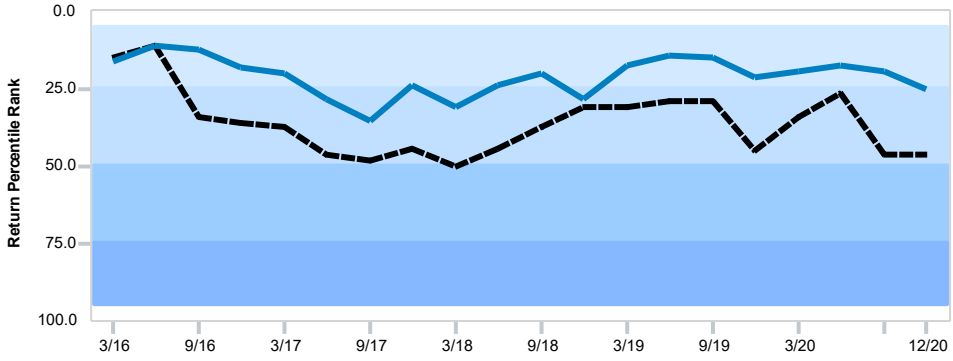


3 Year Rolling Percentile Rank All Public Plans-Total Fund



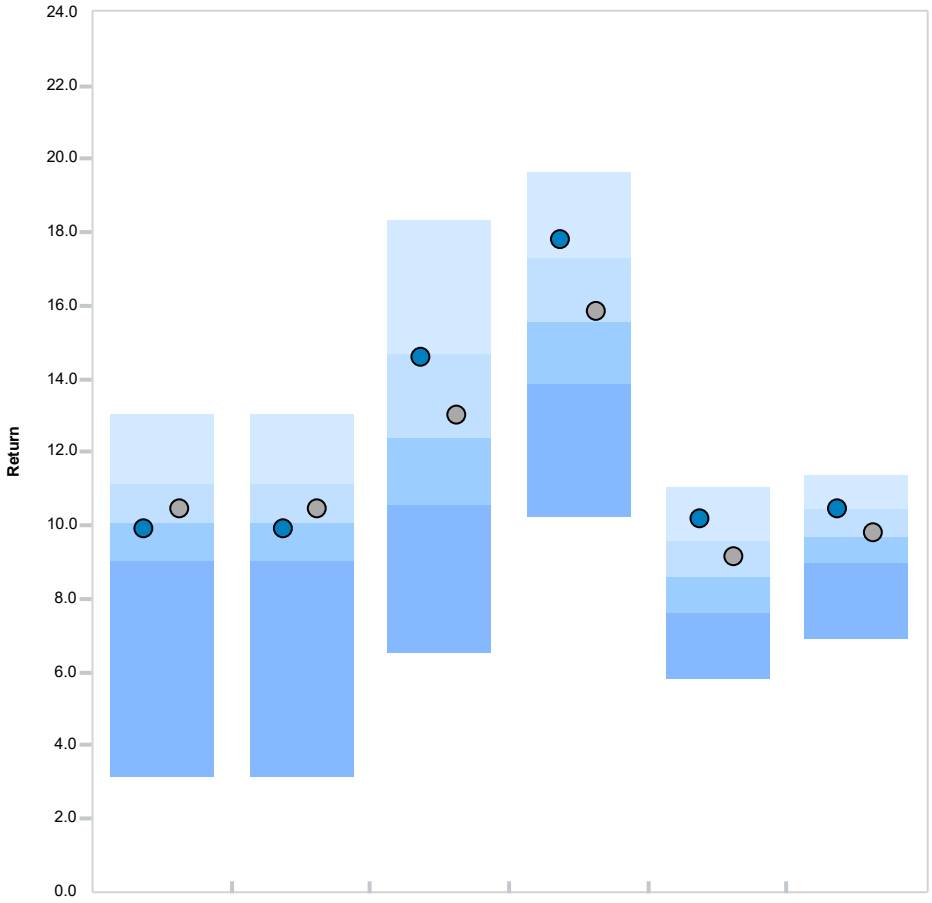
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	11 (55%)	8 (40%)	1 (5%)	0 (0%)
Index	20	5 (25%)	9 (45%)	6 (30%)	0 (0%)

5 Year Rolling Percentile Rank All Public Plans-Total Fund



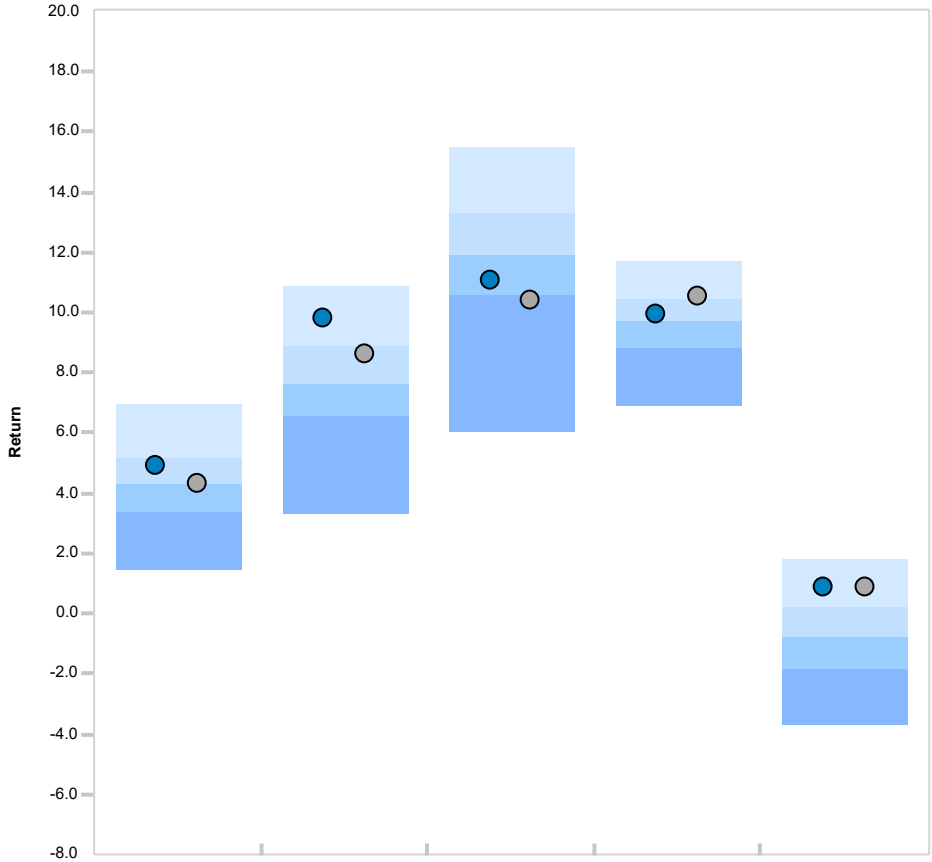
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	16 (80%)	4 (20%)	0 (0%)	0 (0%)
Index	20	2 (10%)	18 (90%)	0 (0%)	0 (0%)

Plan Sponsor Peer Group Analysis vs. All Public Plans-Total Fund



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
Investment	9.93 (54)	9.93 (54)	14.56 (27)	17.79 (21)	10.20 (15)	10.47 (25)
Index	10.46 (40)	10.46 (40)	13.00 (43)	15.82 (48)	9.13 (35)	9.77 (46)
Median	10.08	10.08	12.40	15.57	8.60	9.68

Plan Sponsor Peer Group Analysis vs. All Public Plans-Total Fund

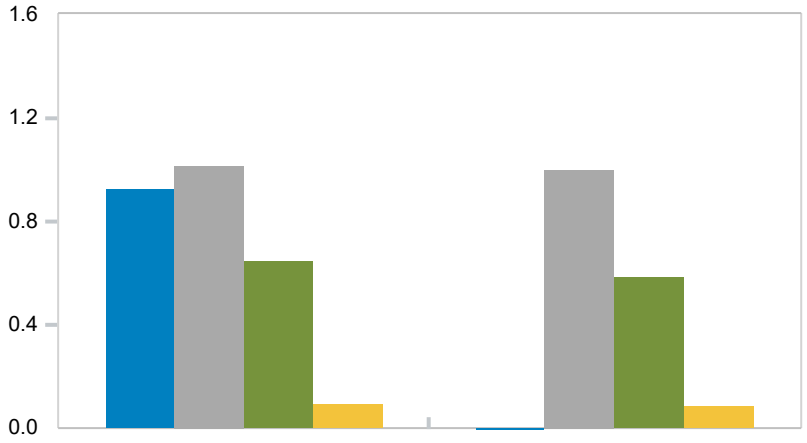


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	4.89 (31)	9.81 (12)	11.09 (66)	9.94 (43)	0.88 (16)
Index	4.31 (50)	8.64 (30)	10.41 (78)	10.53 (24)	0.85 (16)
Median	4.28	7.61	11.90	9.76	-0.80

Comparative Performance

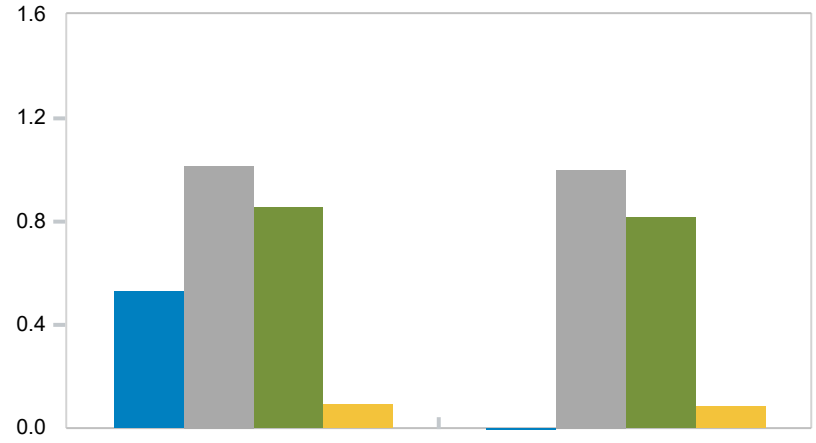
	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	**6.17 (12)**	**12.00 (54)**	**-12.36 (35)**	**5.12 (57)**	**0.70 (62)**	**4.02 (5)**
Index	4.44 (78)	12.51 (46)	-12.94 (46)	4.99 (62)	0.91 (44)	3.33 (41)
Median	5.21	12.25	-13.22	5.23	0.84	3.25

Risk / Reward Historical Statistics 3 Years Ending December 31, 2020



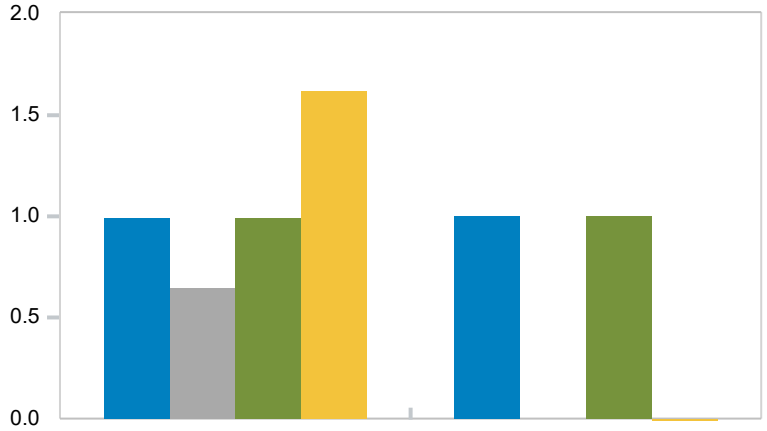
	Total Fund Composite	Total Policy Index
Alpha	0.92	0.00
Beta	1.01	1.00
Sharpe Ratio	0.65	0.59
Treynor Ratio	0.09	0.08

Risk / Reward Historical Statistics 5 Years Ending December 31, 2020



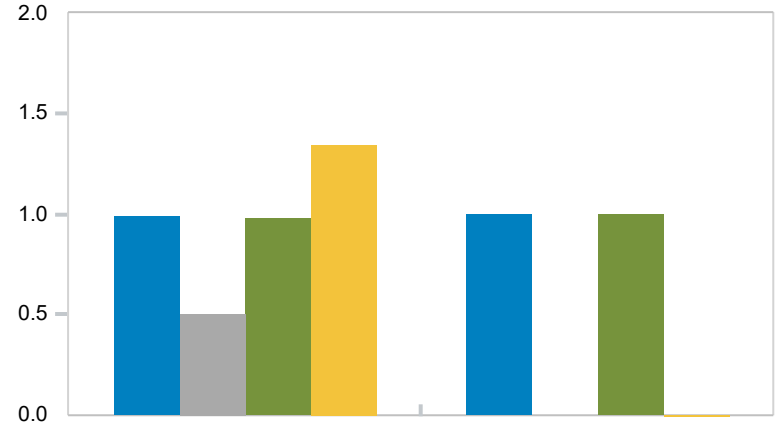
	Total Fund Composite	Total Policy Index
Alpha	0.53	0.00
Beta	1.01	1.00
Sharpe Ratio	0.86	0.81
Treynor Ratio	0.09	0.09

Index Relative Historical Statistics 3 Years Ending December 31, 2020



	Total Fund Composite	Total Policy Index
Actual Correlation	0.99	1.00
Information Ratio	0.65	N/A
R-Squared	0.99	1.00
Tracking Error	1.61	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2020



	Total Fund Composite	Total Policy Index
Actual Correlation	0.99	1.00
Information Ratio	0.50	N/A
R-Squared	0.98	1.00
Tracking Error	1.35	0.00

Benchmark: Total Policy Index

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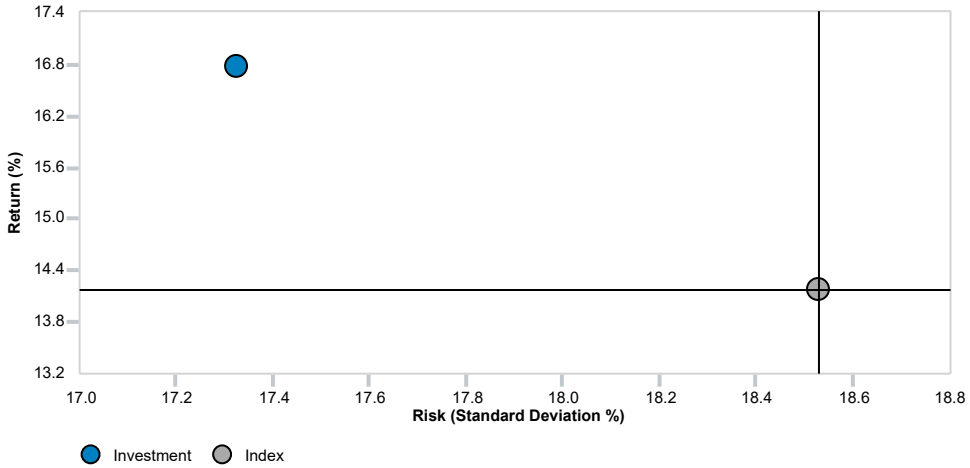
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	16.78	17.32	0.89	96.75	10	83.37	2
Index	14.18	18.53	0.72	100.00	9	100.00	3

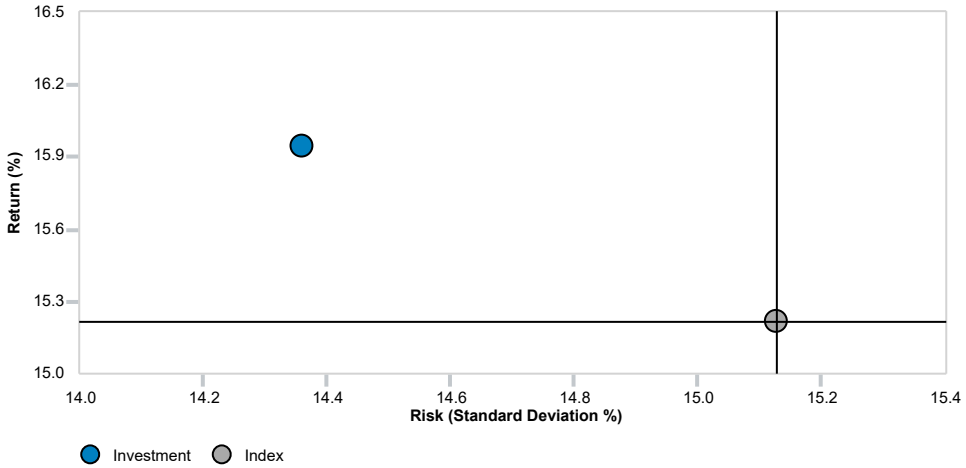
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	15.95	14.36	1.02	95.79	16	86.65	4
Index	15.22	15.13	0.94	100.00	17	100.00	3

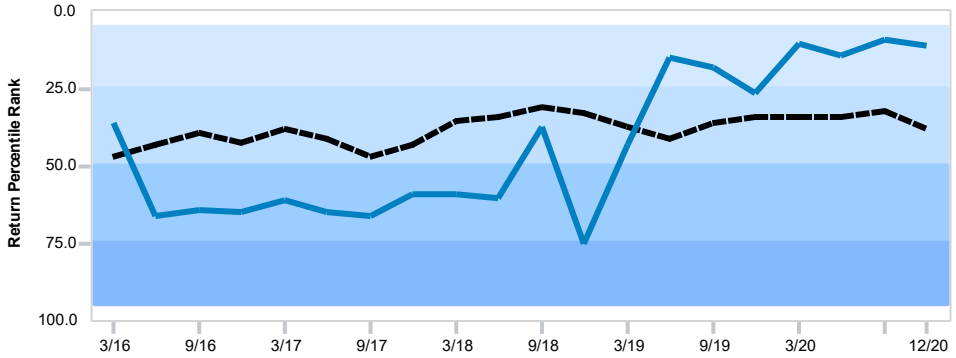
Risk and Return 3 Years



Risk and Return 5 Years

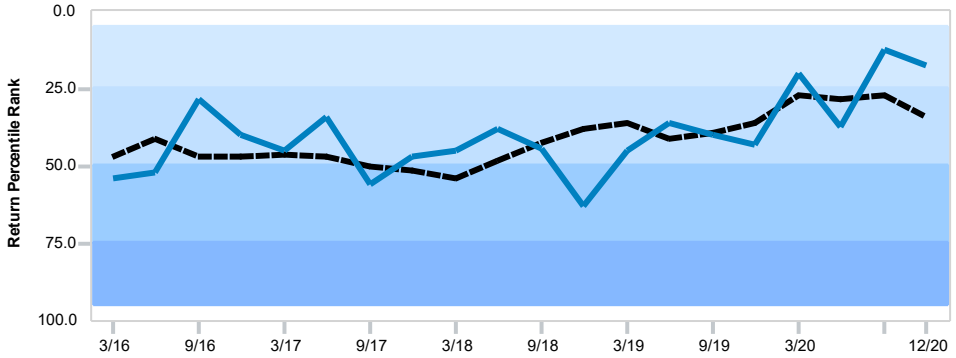


3 Year Rolling Percentile Rank IM U.S. Large Cap Core Equity (SA+CF)



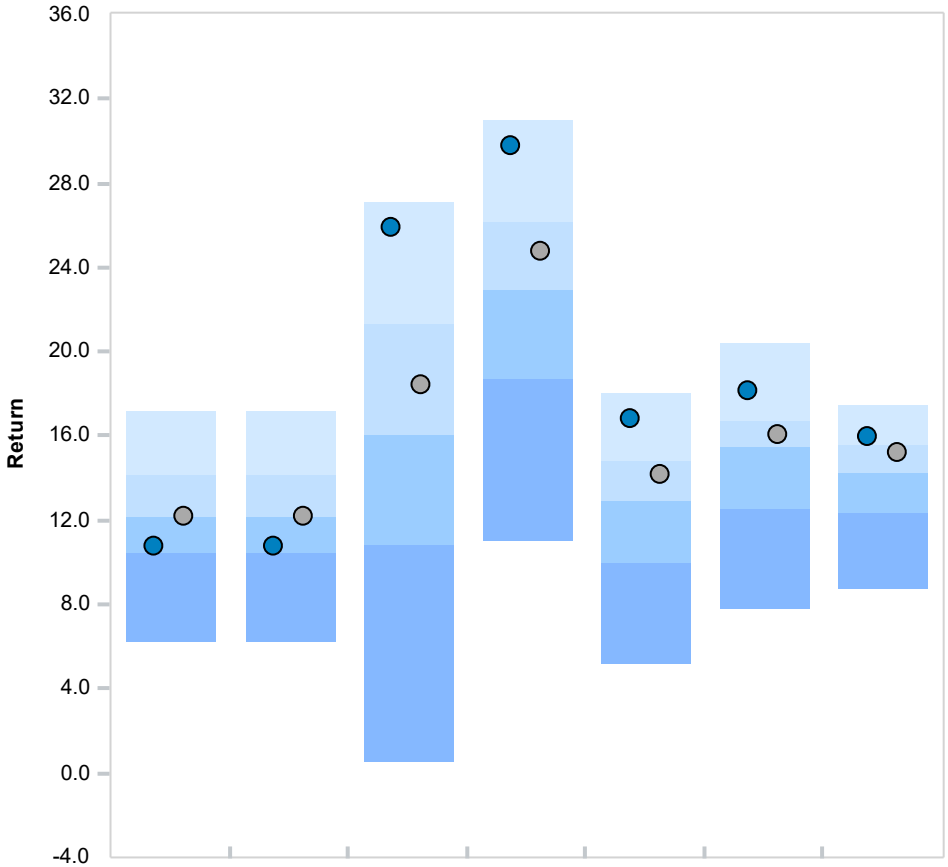
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	6 (30%)	4 (20%)	10 (50%)	0 (0%)
Index	20	0 (0%)	20 (100%)	0 (0%)	0 (0%)

5 Year Rolling Percentile Rank IM U.S. Large Cap Core Equity (SA+CF)



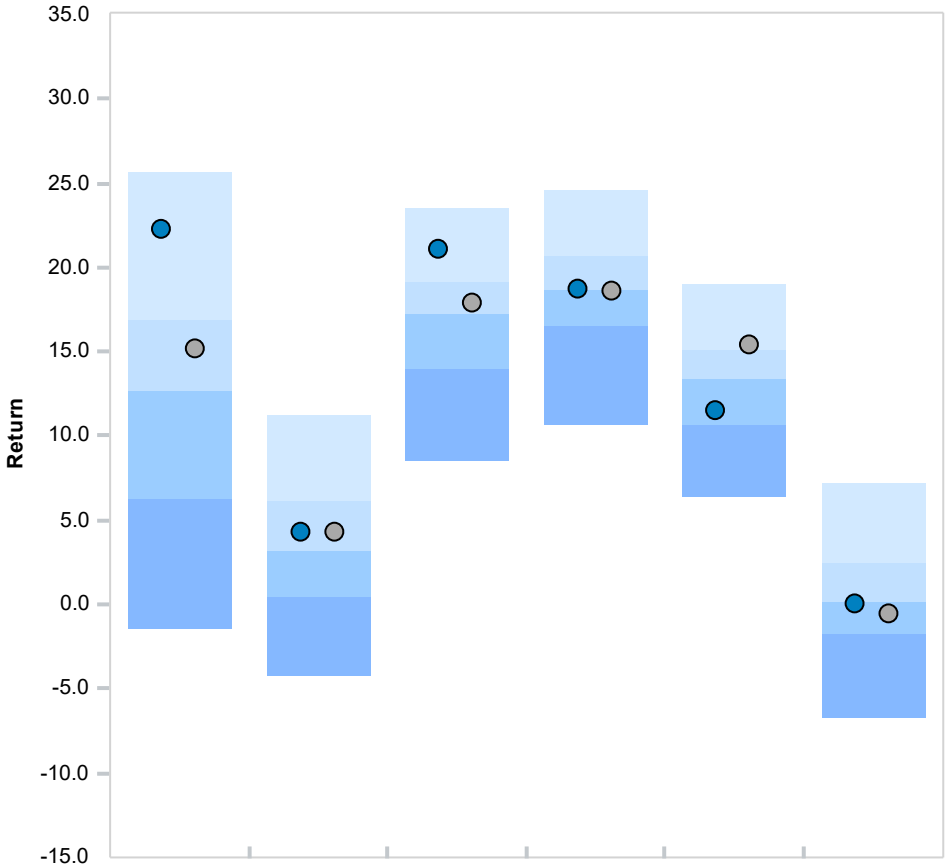
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	3 (15%)	13 (65%)	4 (20%)	0 (0%)
Index	20	0 (0%)	18 (90%)	2 (10%)	0 (0%)

Peer Group Analysis - IM U.S. Large Cap Core Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	10.72 (74)	10.72 (74)	25.88 (7)	29.78 (7)	16.78 (11)	18.15 (12)	15.95 (17)
Index	12.15 (49)	12.15 (49)	18.40 (41)	24.77 (39)	14.18 (38)	16.05 (40)	15.22 (34)
Median	12.15	12.15	16.00	22.91	12.94	15.51	14.26

Peer Group Analysis - IM U.S. Large Cap Core Equity (SA+CF)

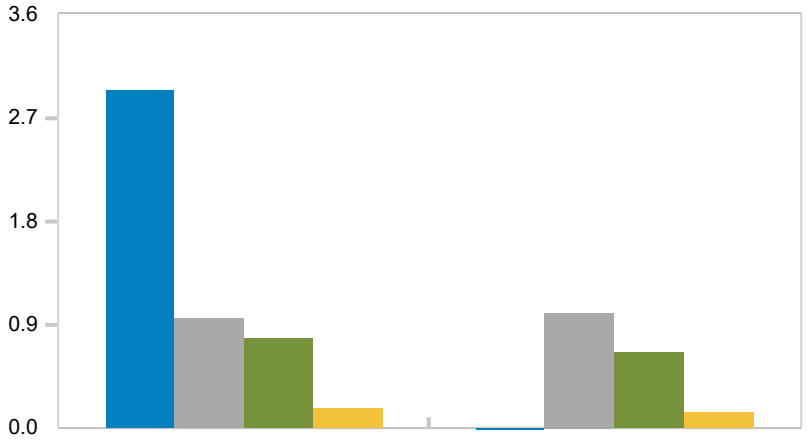


	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	22.19 (8)	4.26 (40)	21.05 (13)	18.70 (51)	11.47 (69)	0.06 (51)
Index	15.15 (37)	4.25 (40)	17.91 (39)	18.61 (53)	15.43 (23)	-0.61 (64)
Median	12.62	3.26	17.31	18.74	13.41	0.11

Comparative Performance

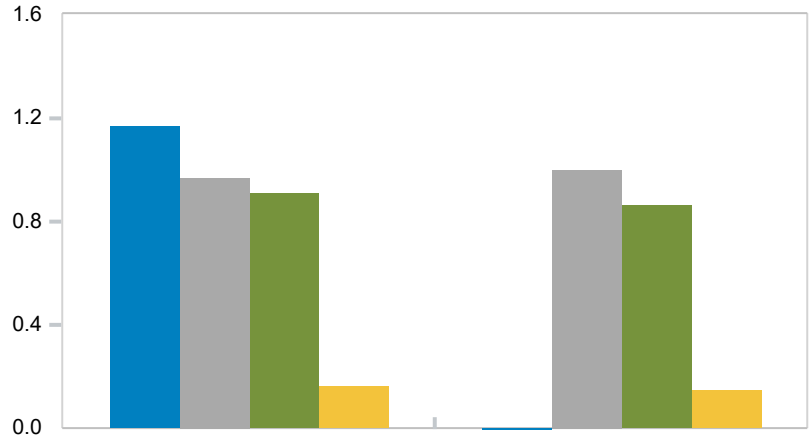
	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	13.53 (2)	18.56 (69)	-15.53 (8)	7.47 (72)	1.31 (58)	6.08 (8)
Index	8.93 (37)	20.54 (46)	-19.60 (44)	9.07 (32)	1.70 (42)	4.30 (51)
Median	8.01	20.36	-20.02	8.19	1.52	4.30

Risk / Reward Historical Statistics 3 Years Ending December 31, 2020



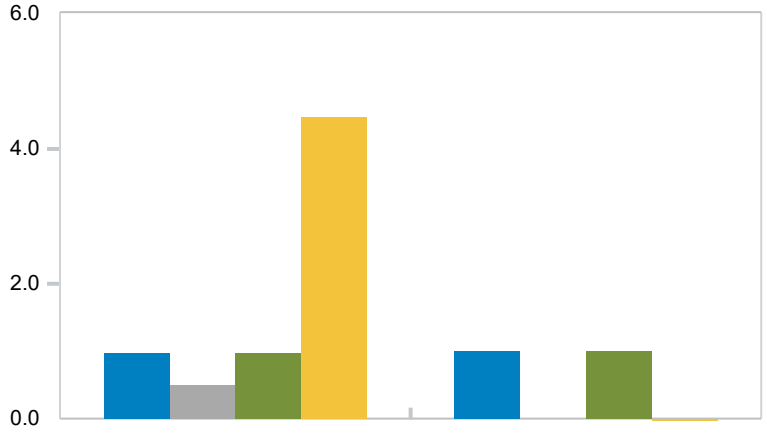
	Inverness Equity	S&P 500 Index
Alpha	2.94	0.00
Beta	0.96	1.00
Sharpe Ratio	0.77	0.66
Treynor Ratio	0.17	0.14

Risk / Reward Historical Statistics 5 Years Ending December 31, 2020



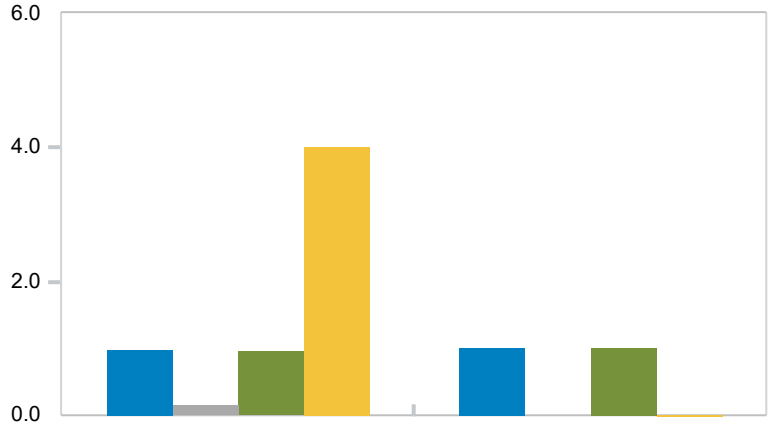
	Inverness Equity	S&P 500 Index
Alpha	1.17	0.00
Beta	0.97	1.00
Sharpe Ratio	0.91	0.87
Treynor Ratio	0.16	0.15

Index Relative Historical Statistics 3 Years Ending December 31, 2020



	Inverness Equity	S&P 500 Index
Actual Correlation	0.98	1.00
Information Ratio	0.49	N/A
R-Squared	0.96	1.00
Tracking Error	4.48	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2020



	Inverness Equity	S&P 500 Index
Actual Correlation	0.97	1.00
Information Ratio	0.15	N/A
R-Squared	0.94	1.00
Tracking Error	4.02	0.00

Benchmark: S&P 500 Index

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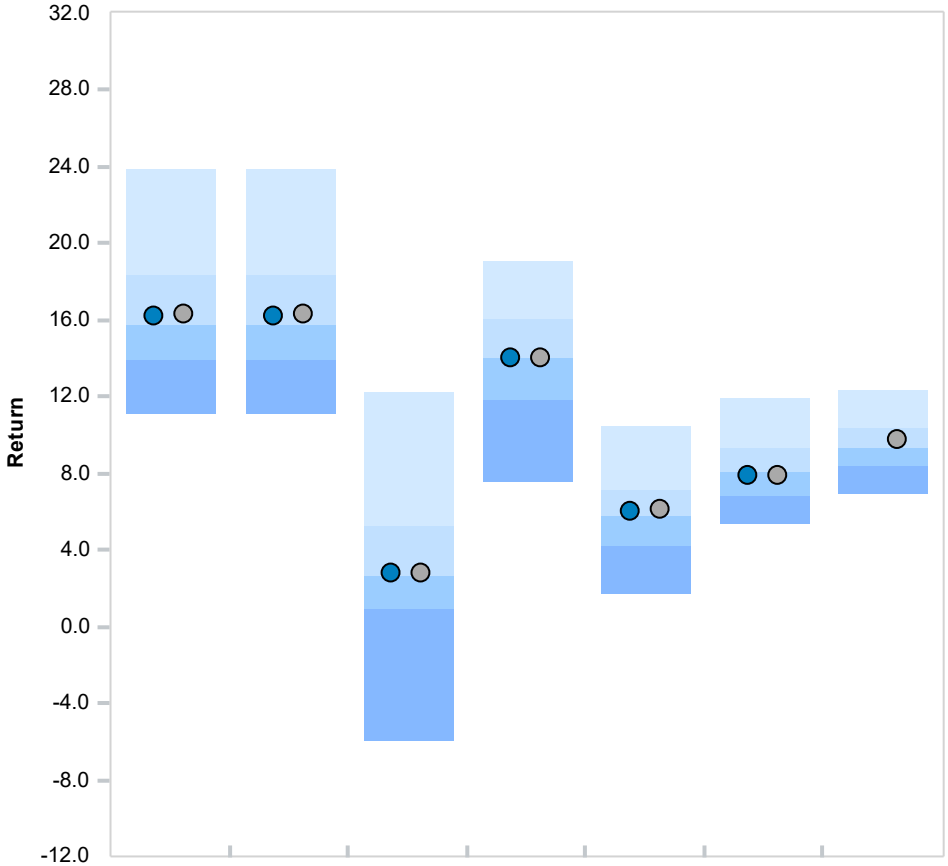
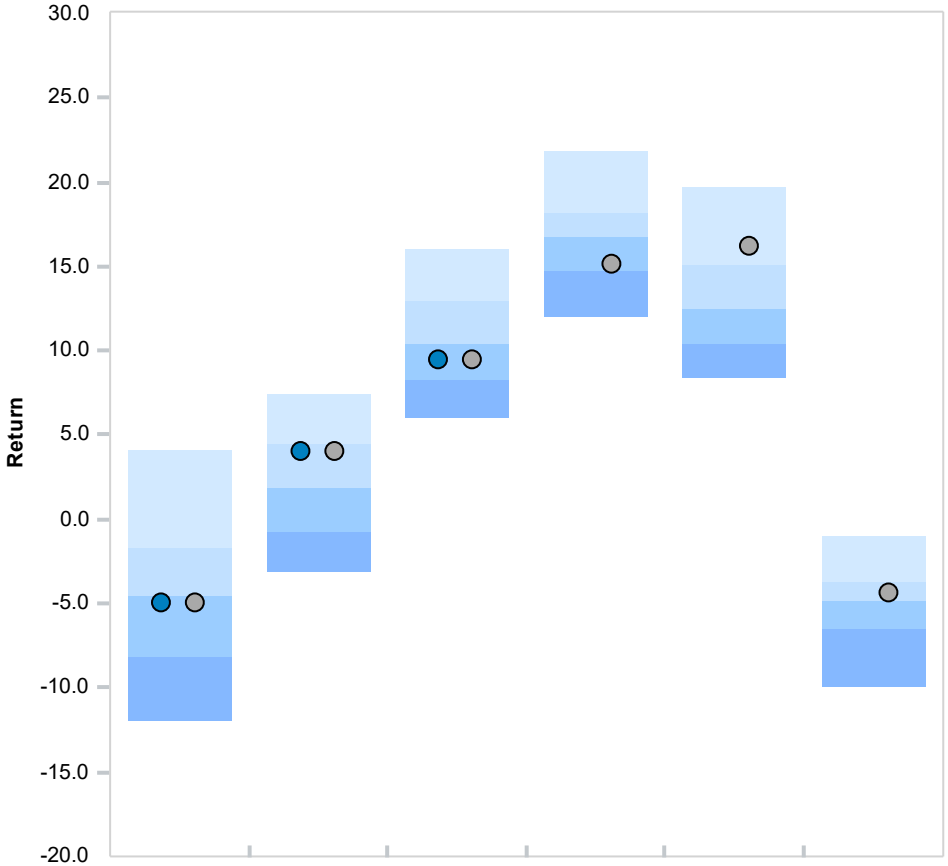
Peer Group Analysis - IM U.S. Large Cap Value Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	16.17 (44)	16.17 (44)	2.76 (48)	13.97 (51)	6.01 (47)	7.86 (54)	N/A
Index	16.25 (43)	16.25 (43)	2.80 (48)	14.05 (50)	6.07 (47)	7.92 (53)	9.74 (38)
Median	15.77	15.77	2.62	13.98	5.82	8.03	9.28

Peer Group Analysis - IM U.S. Large Cap Value Equity (MF)



	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	-5.02 (54)	3.95 (30)	9.38 (62)	N/A	N/A	N/A
Index	-5.03 (54)	4.00 (30)	9.45 (61)	15.12 (72)	16.19 (18)	-4.42 (41)
Median	-4.55	1.87	10.42	16.74	12.49	-4.90

Comparative Performance

	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	5.56 (35)	14.23 (69)	-26.65 (51)	7.38 (55)	1.34 (54)	3.84 (40)
Index	5.59 (34)	14.29 (68)	-26.73 (53)	7.41 (54)	1.36 (53)	3.84 (39)
Median	4.82	15.47	-26.62	7.54	1.41	3.49

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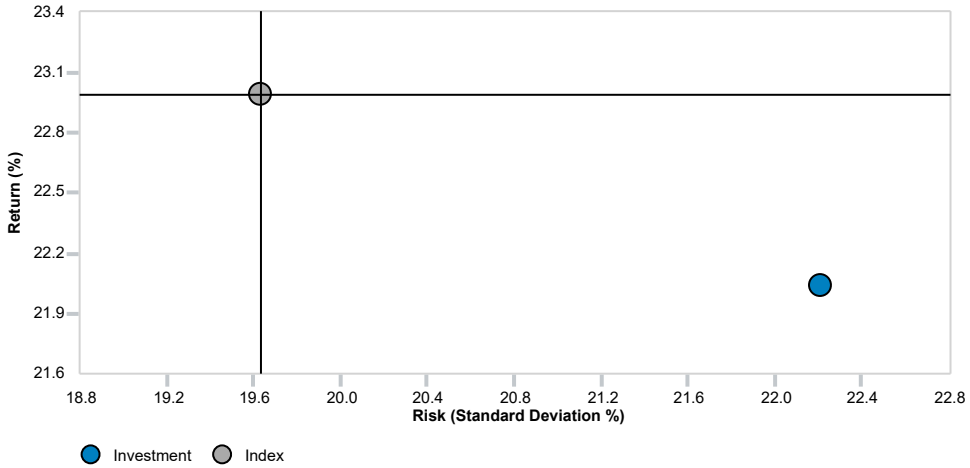
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	22.03	22.21	0.94	102.91	9	107.81	3
Index	22.99	19.64	1.07	100.00	10	100.00	2

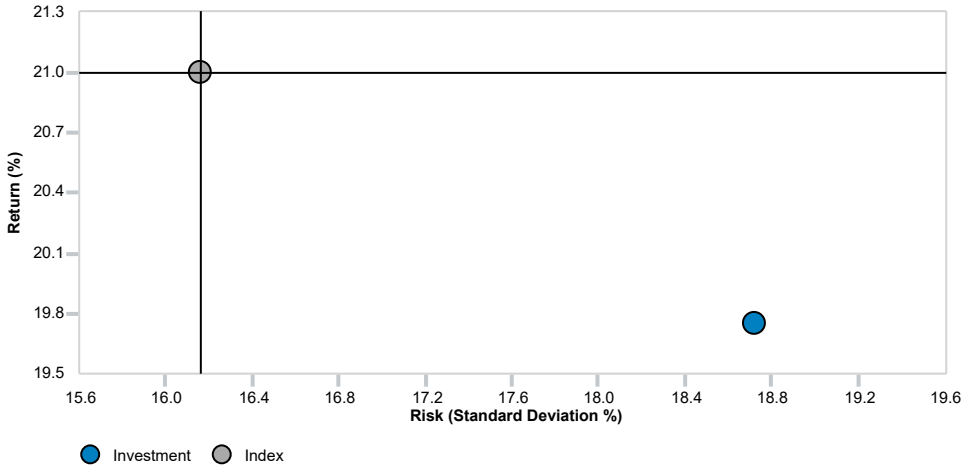
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	19.74	18.73	1.00	104.29	14	115.67	6
Index	21.00	16.16	1.19	100.00	18	100.00	2

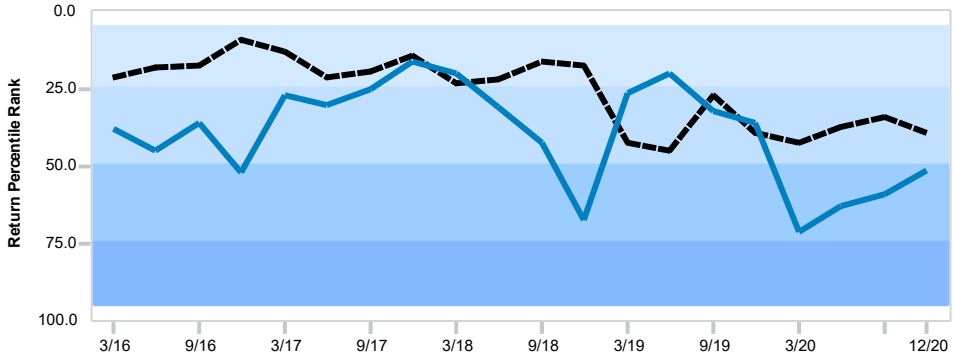
Risk and Return 3 Years



Risk and Return 5 Years

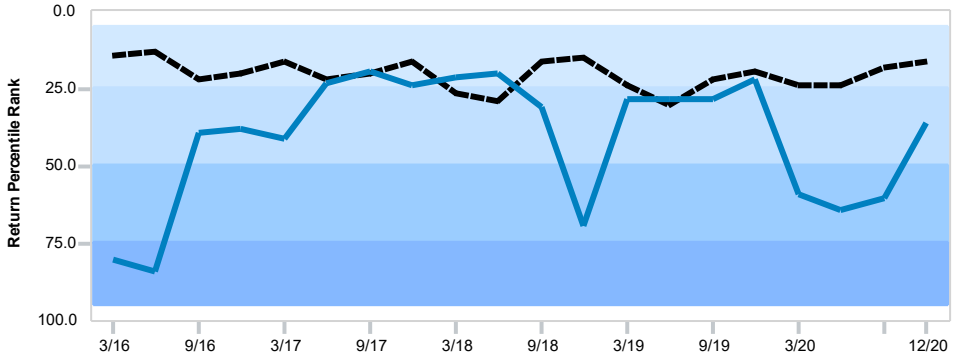


3 Year Rolling Percentile Rank IM U.S. Large Cap Growth Equity (MF)



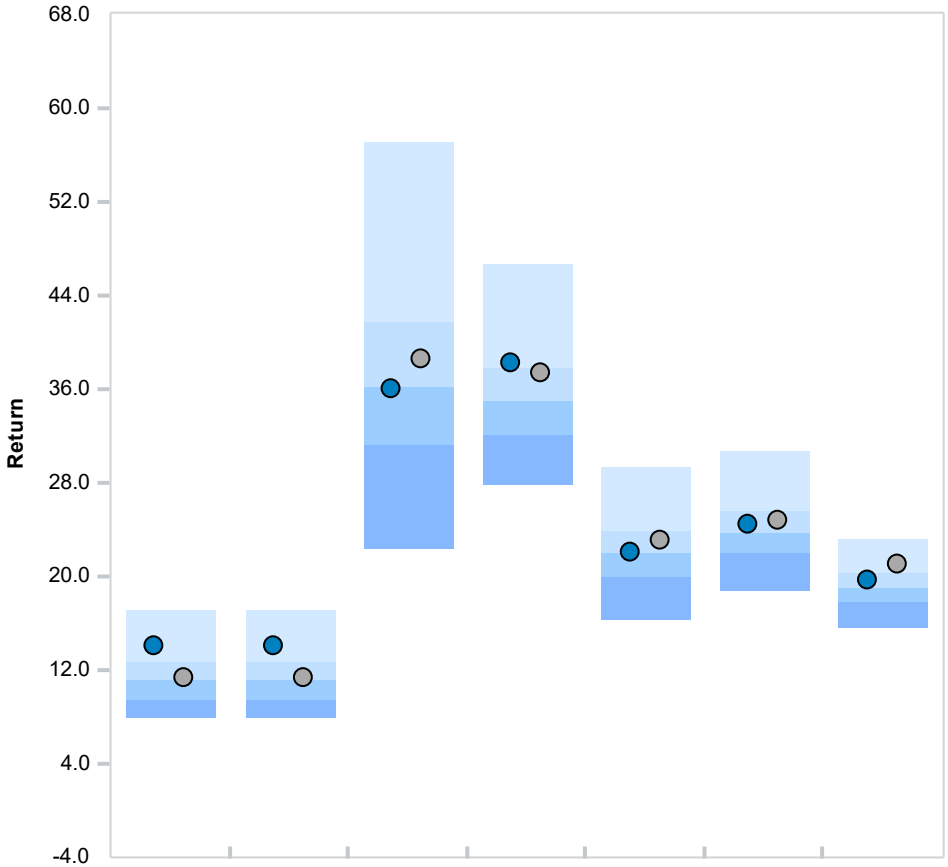
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	4 (20%)	10 (50%)	6 (30%)	0 (0%)
Index	20	12 (60%)	8 (40%)	0 (0%)	0 (0%)

5 Year Rolling Percentile Rank IM U.S. Large Cap Growth Equity (MF)



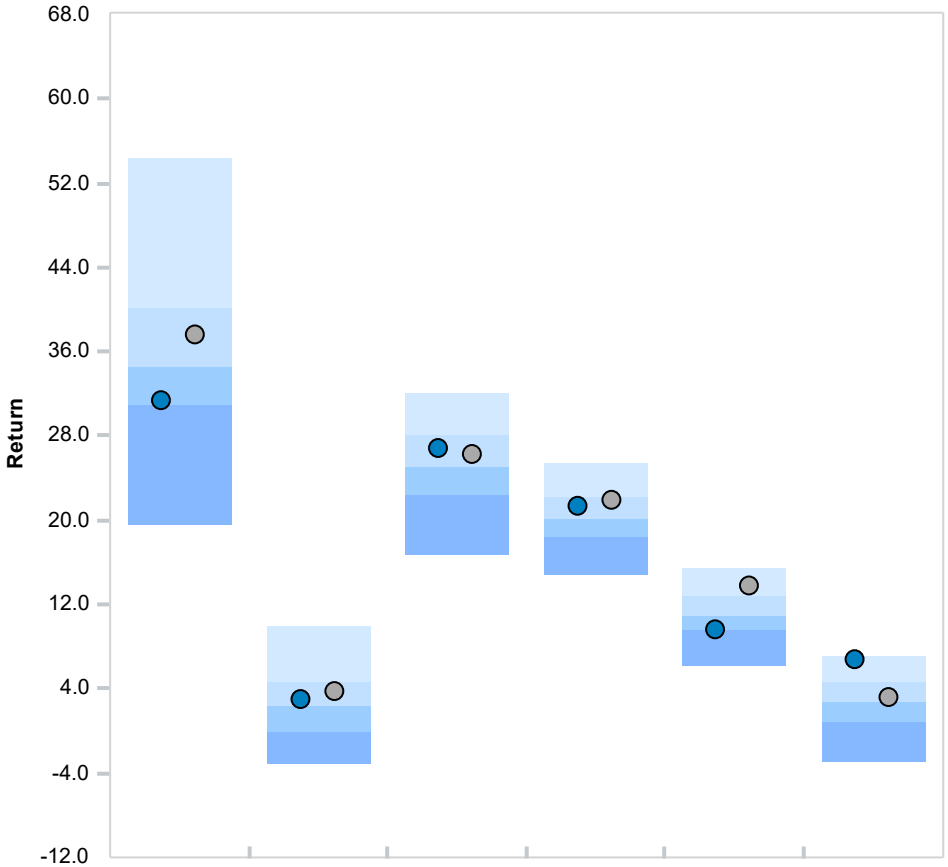
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	6 (30%)	8 (40%)	4 (20%)	2 (10%)
Index	20	17 (85%)	3 (15%)	0 (0%)	0 (0%)

Peer Group Analysis - IM U.S. Large Cap Growth Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	14.09 (15)	14.09 (15)	36.02 (51)	38.13 (23)	22.03 (51)	24.41 (42)	19.74 (36)
Index	11.39 (45)	11.39 (45)	38.49 (37)	37.44 (29)	22.99 (39)	24.76 (37)	21.00 (16)
Median	11.12	11.12	36.17	35.00	22.09	23.82	19.00

Peer Group Analysis - IM U.S. Large Cap Growth Equity (MF)

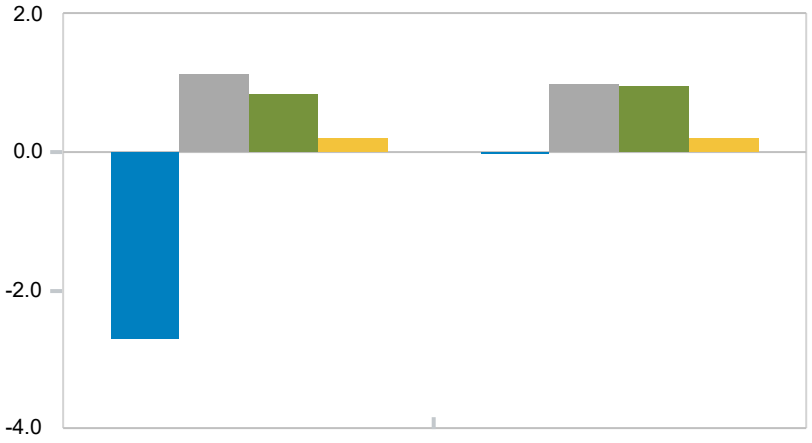


	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	31.36 (73)	2.94 (43)	26.84 (34)	21.34 (35)	9.59 (73)	6.79 (6)
Index	37.53 (34)	3.71 (33)	26.30 (38)	21.94 (28)	13.76 (18)	3.17 (45)
Median	34.55	2.32	25.06	20.13	10.96	2.84

Comparative Performance

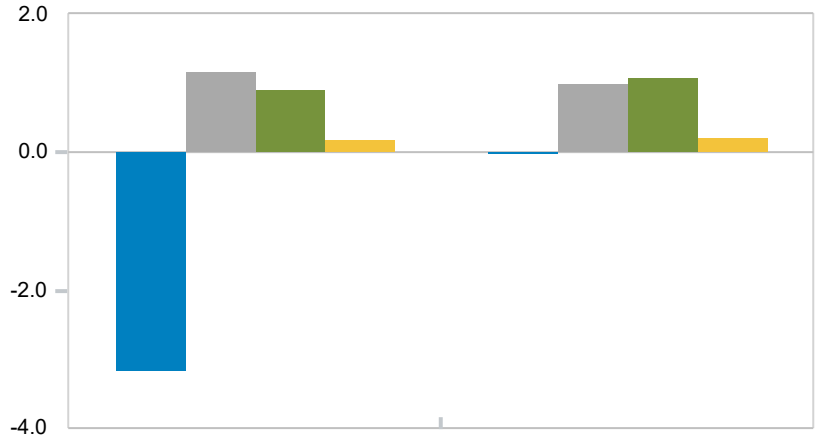
	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	12.98 (28)	28.91 (31)	-18.14 (95)	10.18 (39)	-1.36 (74)	5.35 (36)
Index	13.22 (23)	27.84 (45)	-14.10 (64)	10.62 (27)	1.49 (16)	4.64 (56)
Median	11.51	27.69	-13.51	9.68	0.00	4.76

Risk / Reward Historical Statistics 3 Years Ending December 31, 2020



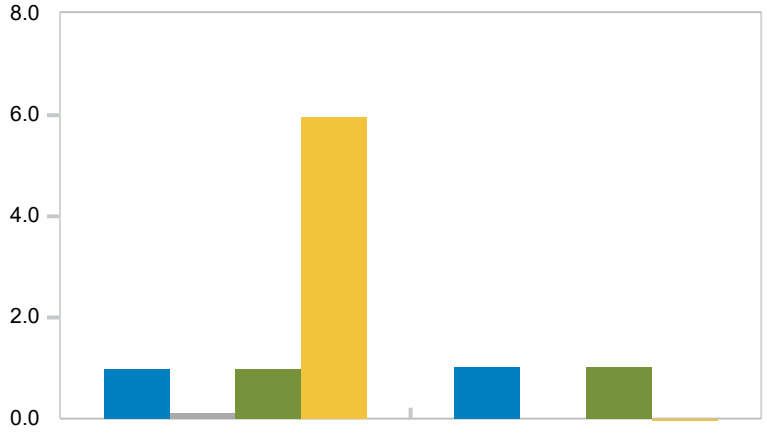
	Logan Equity	Russell 1000 Growth Index
Alpha	-2.69	0.00
Beta	1.15	1.00
Sharpe Ratio	0.84	0.95
Treynor Ratio	0.20	0.22

Risk / Reward Historical Statistics 5 Years Ending December 31, 2020



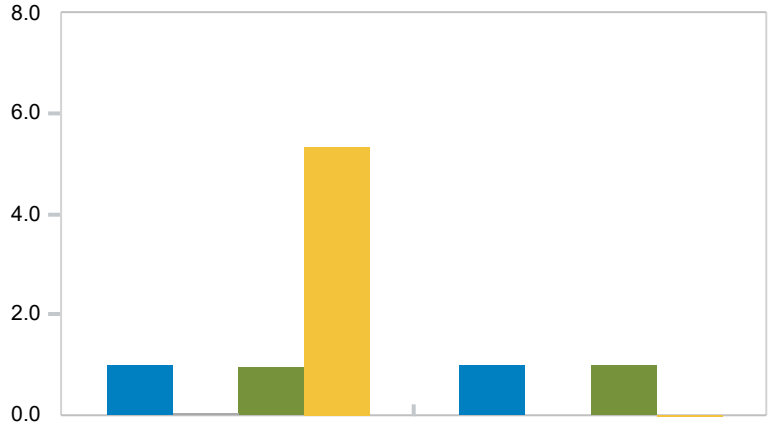
	Logan Equity	Russell 1000 Growth Index
Alpha	-3.15	0.00
Beta	1.16	1.00
Sharpe Ratio	0.92	1.07
Treynor Ratio	0.17	0.20

Index Relative Historical Statistics 3 Years Ending December 31, 2020



	Logan Equity	Russell 1000 Growth Index
Actual Correlation	0.98	1.00
Information Ratio	0.14	N/A
R-Squared	0.97	1.00
Tracking Error	5.98	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2020



	Logan Equity	Russell 1000 Growth Index
Actual Correlation	0.98	1.00
Information Ratio	0.04	N/A
R-Squared	0.96	1.00
Tracking Error	5.34	0.00

Benchmark: Russell 1000 Growth Index

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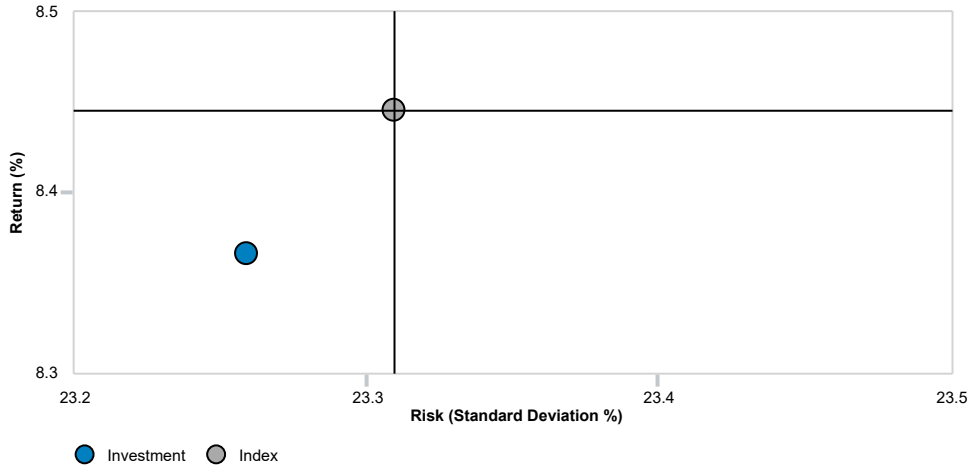
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.37	23.26	0.40	99.61	8	99.78	4
Index	8.45	23.31	0.40	100.00	8	100.00	4

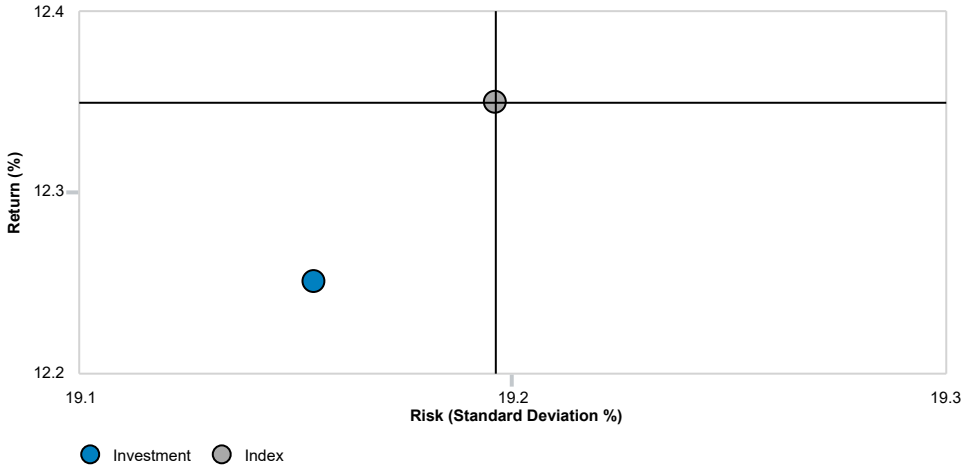
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	12.25	19.15	0.64	99.60	16	99.86	4
Index	12.35	19.20	0.64	100.00	16	100.00	4

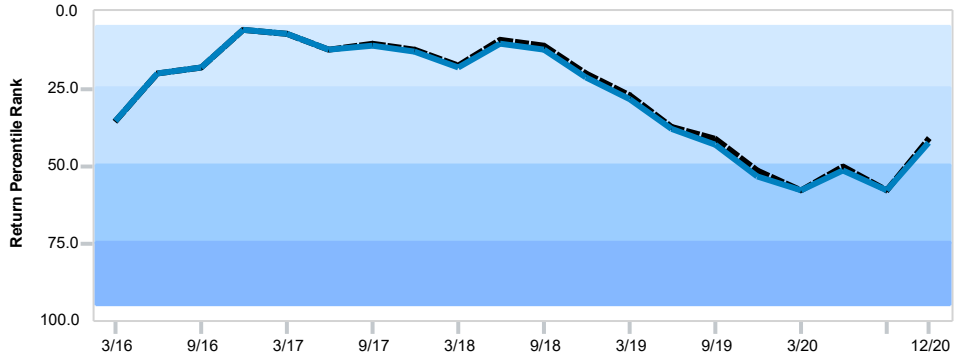
Risk and Return 3 Years



Risk and Return 5 Years

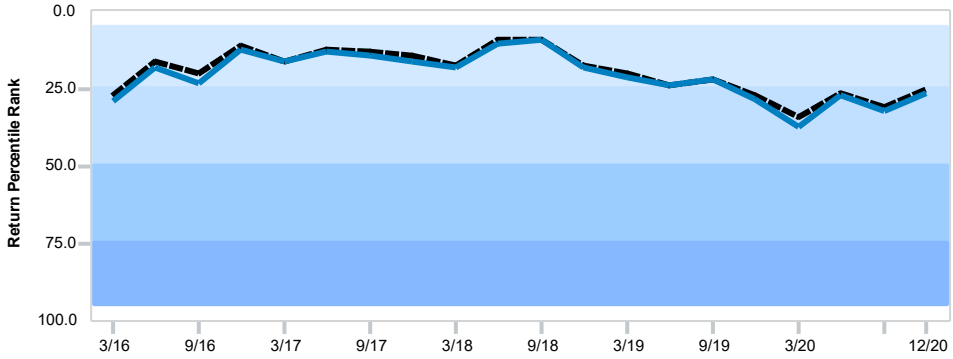


3 Year Rolling Percentile Rank IM U.S. Mid Cap Core Equity (MF)



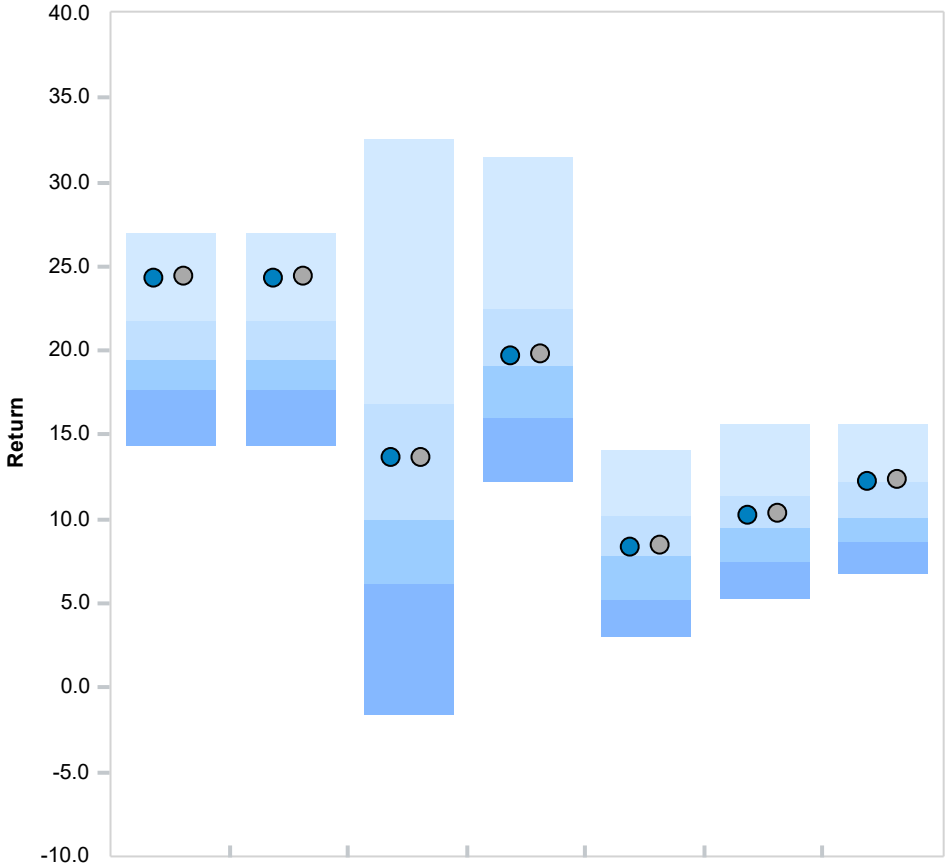
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	11 (55%)	5 (25%)	4 (20%)	0 (0%)
Index	20	11 (55%)	6 (30%)	3 (15%)	0 (0%)

5 Year Rolling Percentile Rank IM U.S. Mid Cap Core Equity (MF)



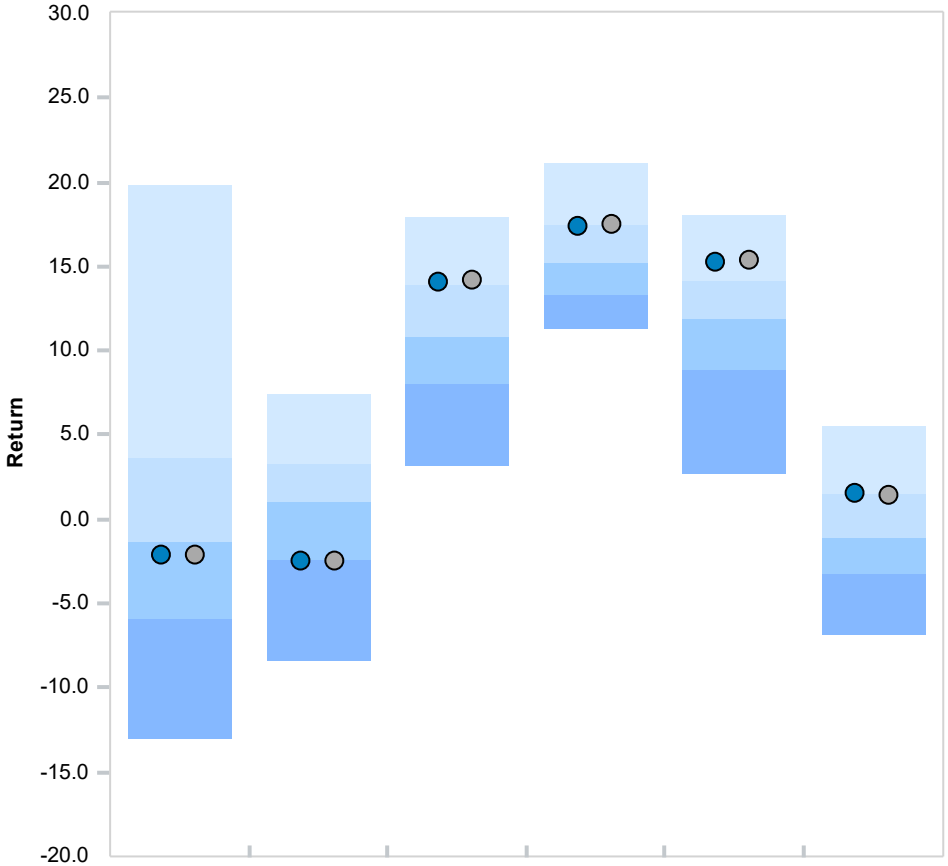
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	14 (70%)	6 (30%)	0 (0%)	0 (0%)
Index	20	15 (75%)	5 (25%)	0 (0%)	0 (0%)

Peer Group Analysis - IM U.S. Mid Cap Core Equity (MF)



	QTR		FYTD		1 YR		2 YR		3 YR		4 YR		5 YR	
Investment	24.32	(11)	24.32	(11)	13.65	(35)	19.69	(46)	8.37	(42)	10.26	(38)	12.25	(26)
Index	24.37	(11)	24.37	(11)	13.66	(35)	19.77	(45)	8.45	(41)	10.35	(37)	12.35	(25)
Median	19.40		19.40		10.02		19.12		7.85		9.44		10.12	

Peer Group Analysis - IM U.S. Mid Cap Core Equity (MF)

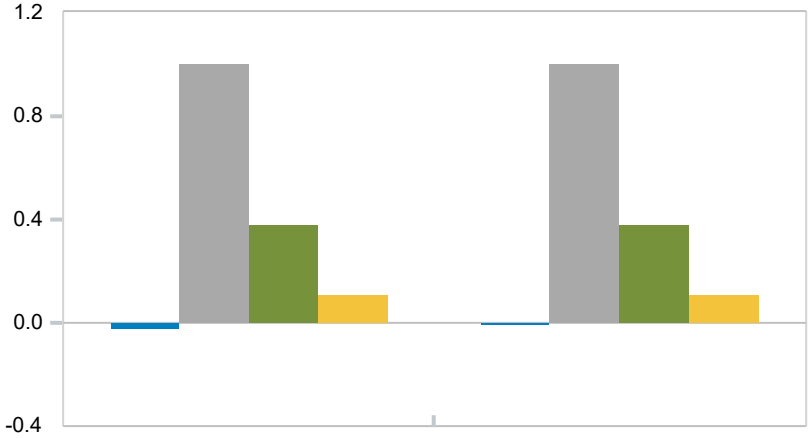


	Oct-2019 To Sep-2020		Oct-2018 To Sep-2019		Oct-2017 To Sep-2018		Oct-2016 To Sep-2017		Oct-2015 To Sep-2016		Oct-2014 To Sep-2015	
Investment	-2.16	(55)	-2.52	(77)	14.03	(25)	17.38	(27)	15.20	(21)	1.46	(26)
Index	-2.16	(55)	-2.49	(77)	14.21	(23)	17.52	(25)	15.33	(21)	1.40	(26)
Median	-1.32		1.09		10.84		15.25		11.87		-1.05	

Comparative Performance

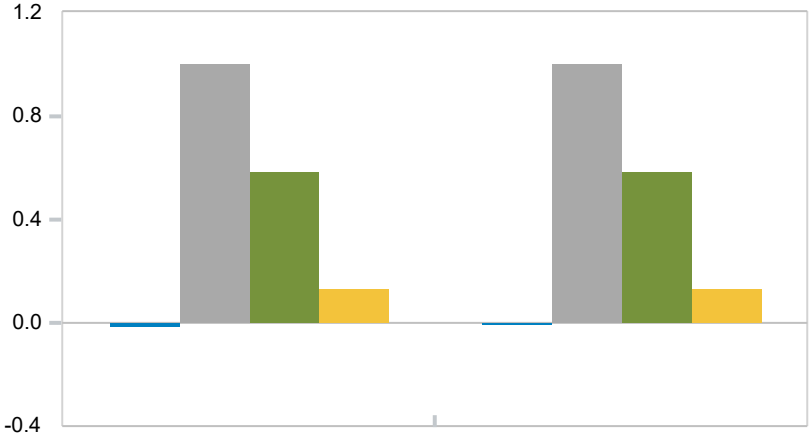
	1 Qtr Ending Sep-2020		1 Qtr Ending Jun-2020		1 Qtr Ending Mar-2020		1 Qtr Ending Dec-2019		1 Qtr Ending Sep-2019		1 Qtr Ending Jun-2019	
Investment	4.79	(75)	24.02	(30)	-29.66	(70)	7.03	(44)	-0.09	(75)	3.04	(71)
Index	4.77	(75)	24.07	(30)	-29.70	(70)	7.06	(42)	-0.09	(75)	3.05	(70)
Median	5.84		20.87		-28.20		6.84		0.98		4.14	

Risk / Reward Historical Statistics 3 Years Ending December 31, 2020



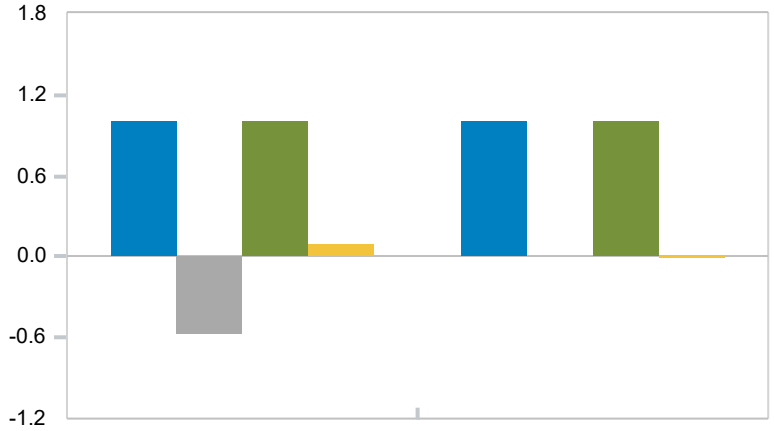
	Rhumbline S&P MidCap 400	S&P MidCap 400 Index
Alpha	-0.03	0.00
Beta	1.00	1.00
Sharpe Ratio	0.38	0.38
Treynor Ratio	0.11	0.11

Risk / Reward Historical Statistics 5 Years Ending December 31, 2020



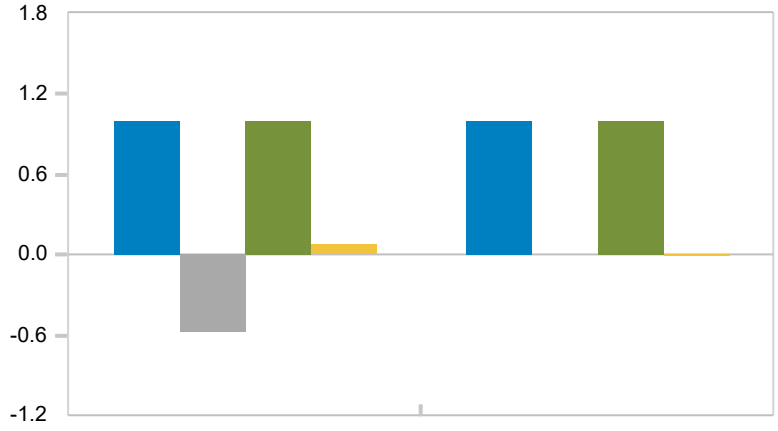
	Rhumbline S&P MidCap 400	S&P MidCap 400 Index
Alpha	-0.02	0.00
Beta	1.00	1.00
Sharpe Ratio	0.58	0.58
Treynor Ratio	0.13	0.13

Index Relative Historical Statistics 3 Years Ending December 31, 2020



	Rhumbline S&P MidCap 400	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.56	N/A
R-Squared	1.00	1.00
Tracking Error	0.09	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2020



	Rhumbline S&P MidCap 400	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.57	N/A
R-Squared	1.00	1.00
Tracking Error	0.08	0.00

Benchmark: S&P MidCap 400 Index

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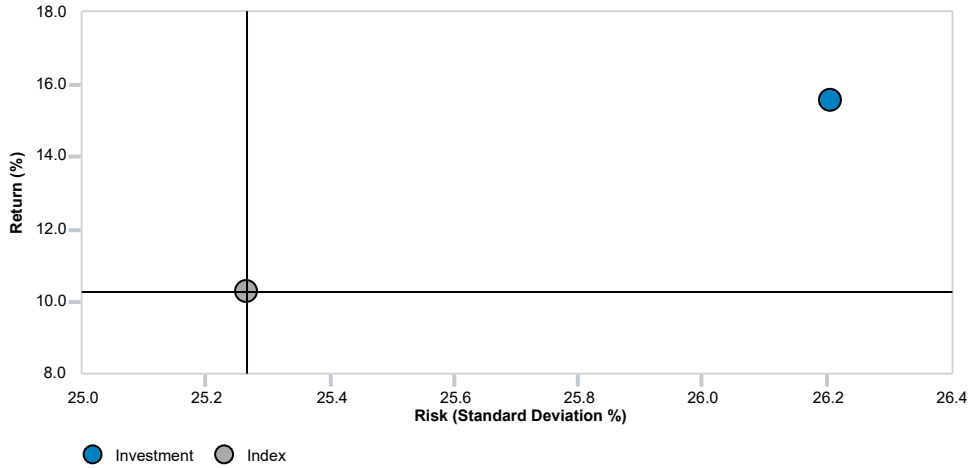
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	15.57	26.21	0.63	107.45	8	92.29	4
Index	10.25	25.27	0.45	100.00	8	100.00	4

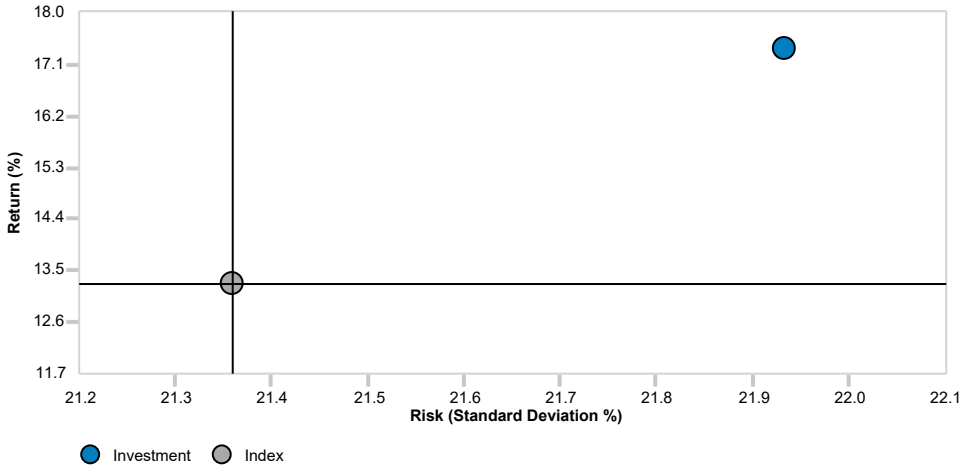
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	17.38	21.93	0.79	105.90	15	91.16	5
Index	13.26	21.36	0.64	100.00	15	100.00	5

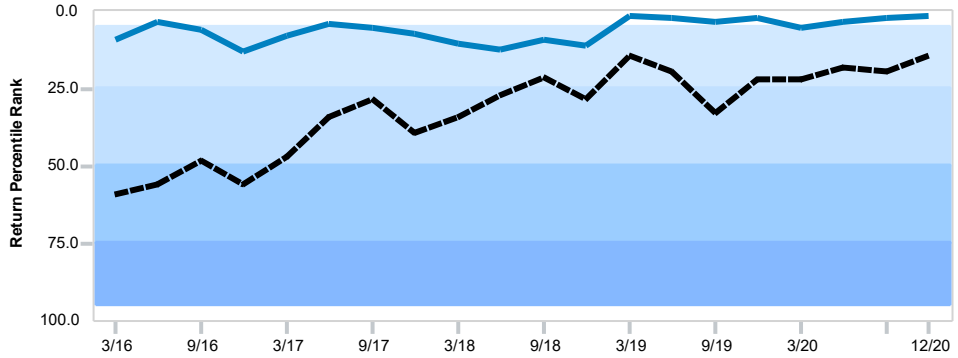
Risk and Return 3 Years



Risk and Return 5 Years

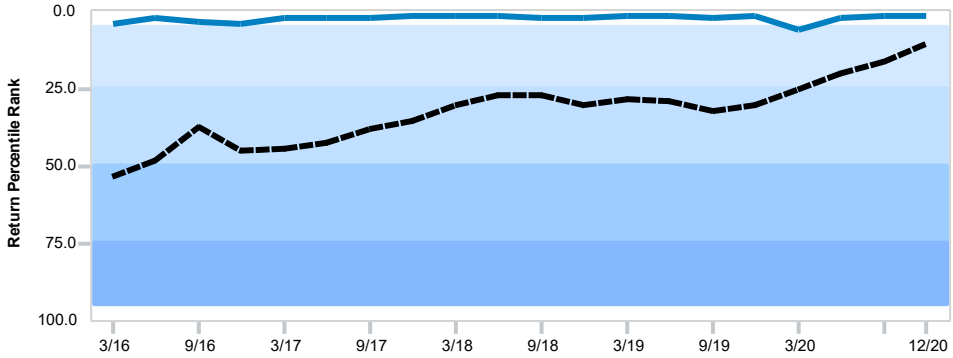


3 Year Rolling Percentile Rank IM U.S. Small Cap Core Equity (MF)



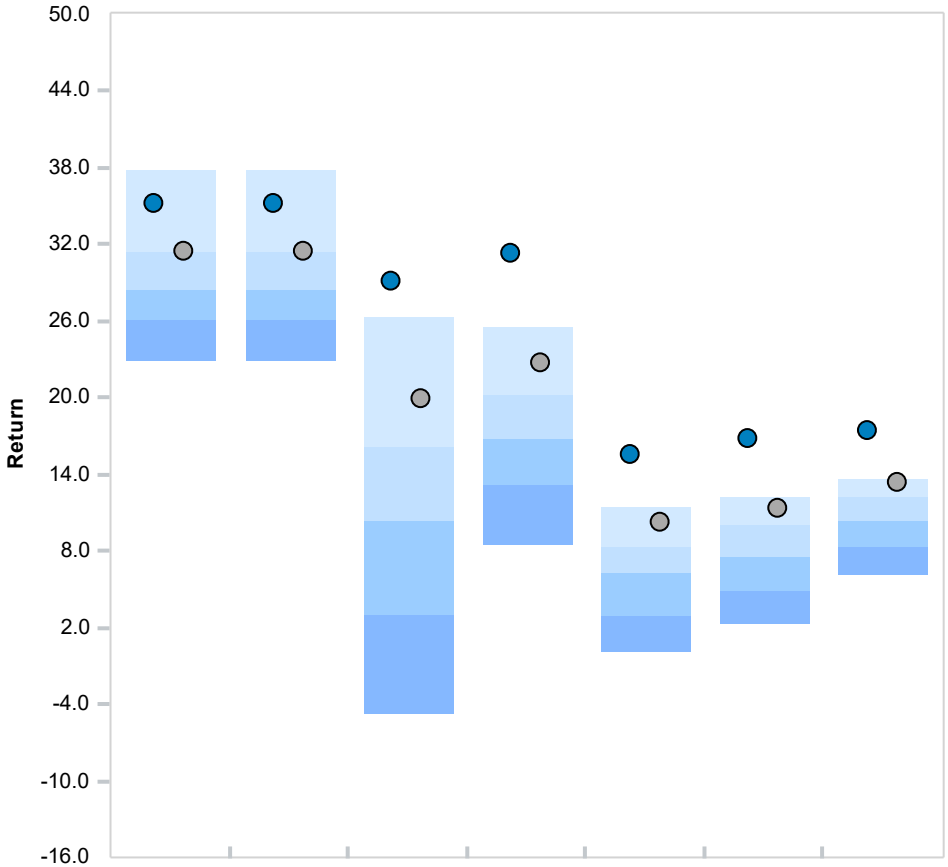
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)
Index	20	8 (40%)	9 (45%)	3 (15%)	0 (0%)

5 Year Rolling Percentile Rank IM U.S. Small Cap Core Equity (MF)



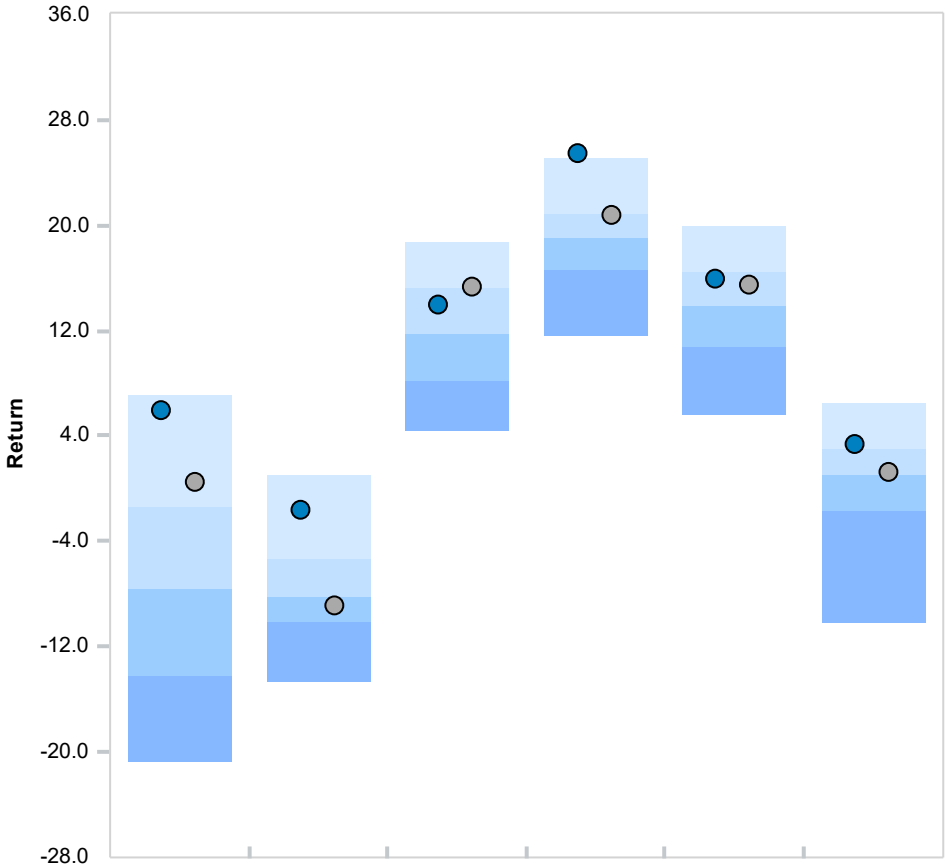
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)
Index	20	4 (20%)	15 (75%)	1 (5%)	0 (0%)

Peer Group Analysis - IM U.S. Small Cap Core Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	35.23 (9)	35.23 (9)	29.12 (2)	31.29 (1)	15.57 (1)	16.76 (1)	17.38 (1)
Index	31.37 (26)	31.37 (26)	19.96 (13)	22.71 (15)	10.25 (14)	11.33 (13)	13.26 (10)
Median	28.43	28.43	10.36	16.76	6.28	7.63	10.35

Peer Group Analysis - IM U.S. Small Cap Core Equity (MF)

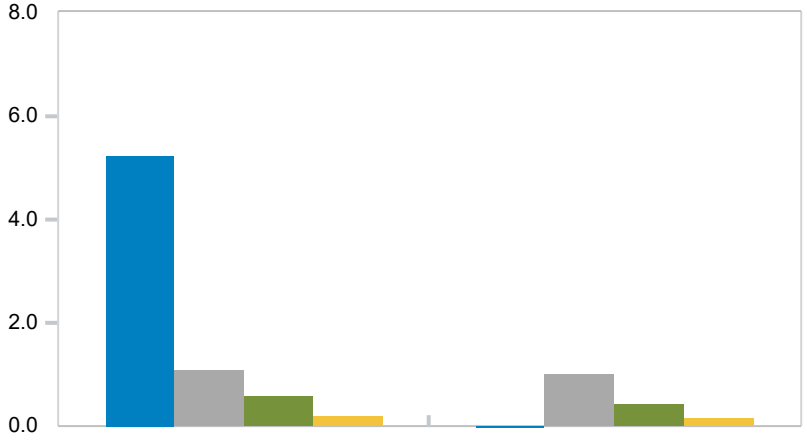


	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	5.85 (7)	-1.69 (12)	13.92 (36)	25.41 (5)	15.81 (32)	3.35 (22)
Index	0.39 (19)	-8.89 (60)	15.24 (25)	20.74 (28)	15.47 (36)	1.25 (48)
Median	-7.64	-8.14	11.83	19.11	13.91	1.02

Comparative Performance

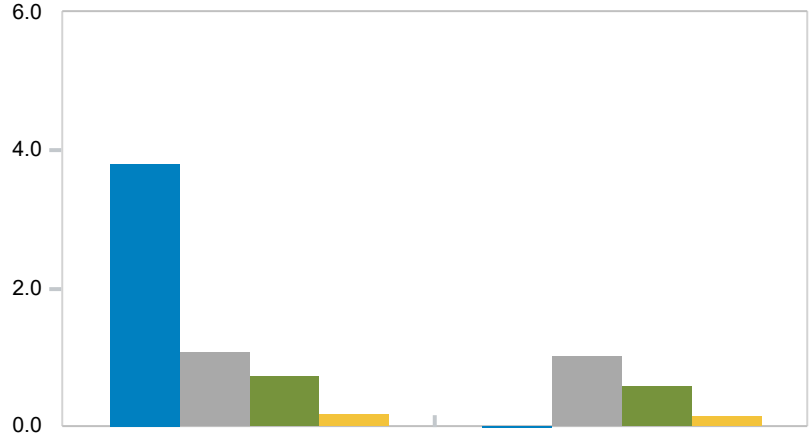
	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	7.75 (7)	29.26 (10)	-31.44 (39)	10.85 (9)	-1.96 (67)	4.45 (12)
Index	4.93 (29)	25.42 (28)	-30.61 (27)	9.94 (17)	-2.40 (73)	2.10 (54)
Median	3.45	22.42	-32.67	8.12	-1.11	2.19

Risk / Reward Historical Statistics 3 Years Ending December 31, 2020



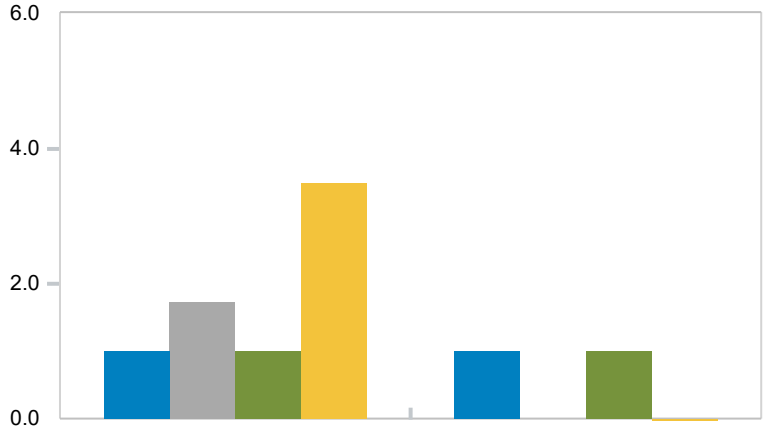
	Wellington	Russell 2000 Index
Alpha	5.23	0.00
Beta	1.07	1.00
Sharpe Ratio	0.57	0.42
Treynor Ratio	0.19	0.14

Risk / Reward Historical Statistics 5 Years Ending December 31, 2020



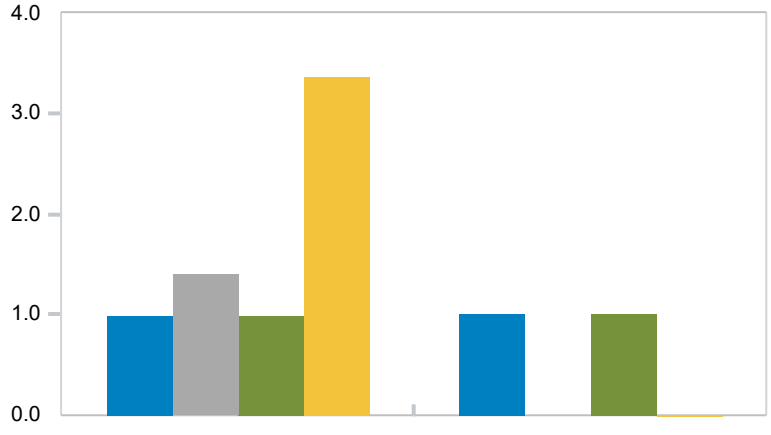
	Wellington	Russell 2000 Index
Alpha	3.79	0.00
Beta	1.06	1.00
Sharpe Ratio	0.71	0.58
Treynor Ratio	0.19	0.15

Index Relative Historical Statistics 3 Years Ending December 31, 2020



	Wellington	Russell 2000 Index
Actual Correlation	1.00	1.00
Information Ratio	1.75	N/A
R-Squared	0.99	1.00
Tracking Error	3.51	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2020



	Wellington	Russell 2000 Index
Actual Correlation	0.99	1.00
Information Ratio	1.40	N/A
R-Squared	0.99	1.00
Tracking Error	3.36	0.00

Benchmark: Russell 2000 Index

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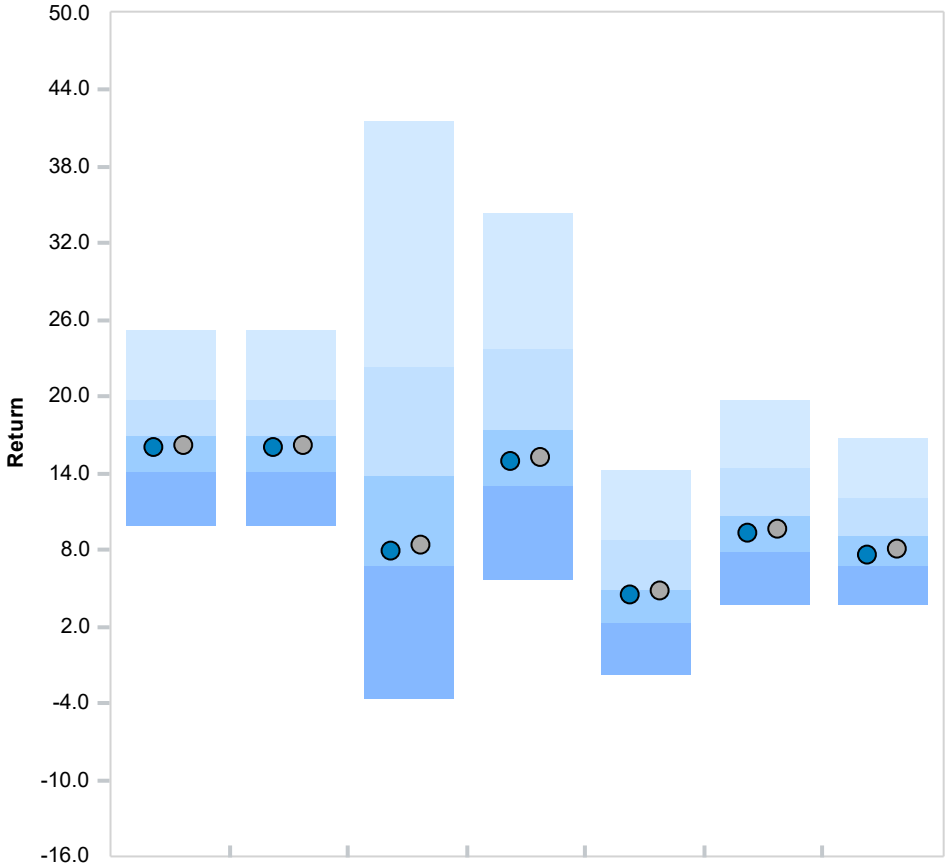
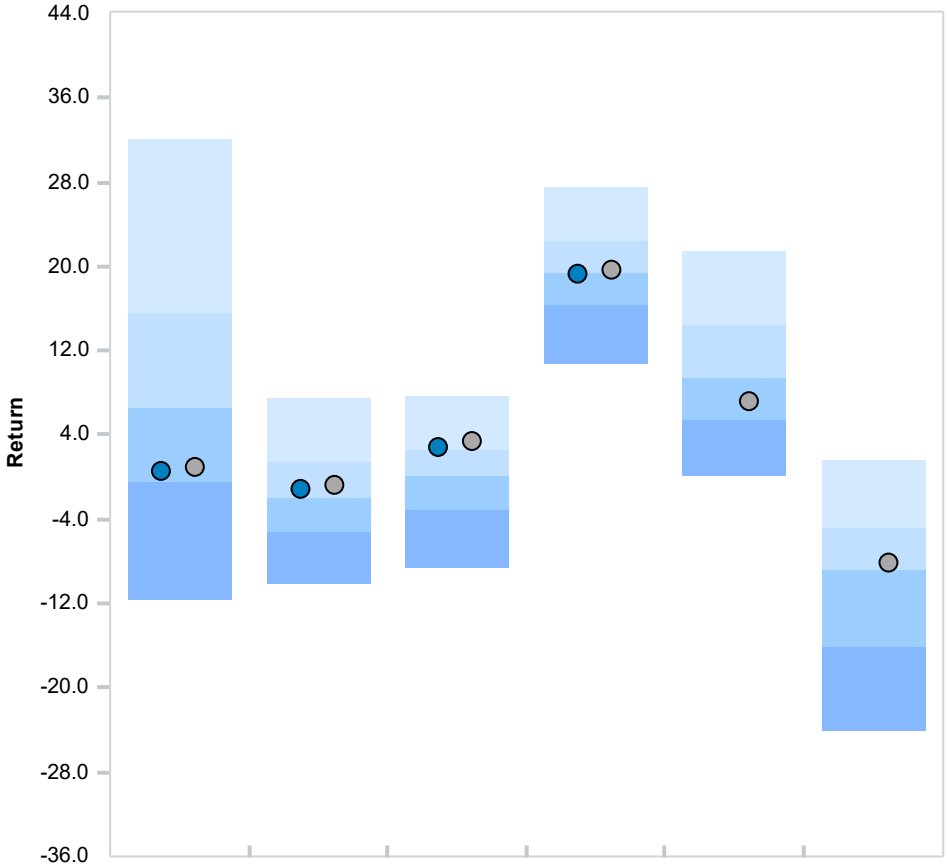
Peer Group Analysis - IM International Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	15.96 (58)	15.96 (58)	7.88 (70)	14.83 (65)	4.45 (57)	9.21 (64)	7.60 (67)
Index	16.09 (58)	16.09 (58)	8.28 (68)	15.24 (63)	4.79 (53)	9.65 (60)	7.97 (63)
Median	16.90	16.90	13.79	17.36	4.98	10.73	9.05

Peer Group Analysis - IM International Equity (MF)



	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	0.59 (71)	-1.11 (43)	2.69 (25)	19.18 (53)	N/A	N/A
Index	0.93 (69)	-0.82 (41)	3.25 (21)	19.65 (48)	7.06 (65)	-8.27 (47)
Median	6.64	-1.93	0.08	19.37	9.32	-8.75

Comparative Performance

	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	4.76 (78)	14.88 (84)	-22.70 (41)	8.12 (76)	-1.05 (27)	3.79 (28)
Index	4.88 (76)	15.08 (83)	-22.72 (41)	8.21 (75)	-1.00 (25)	3.97 (25)
Median	7.87	18.59	-23.70	9.59	-1.90	2.58

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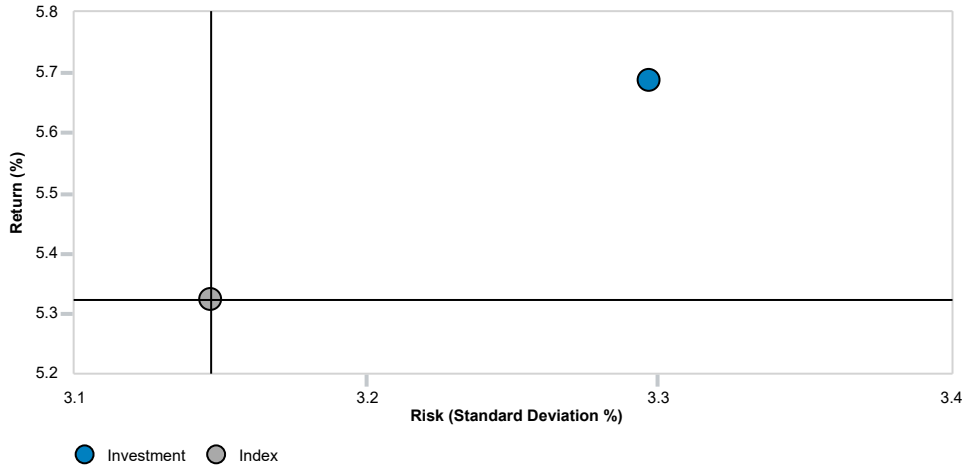
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.69	3.30	1.20	103.14	10	94.05	2
Index	5.32	3.15	1.16	100.00	10	100.00	2

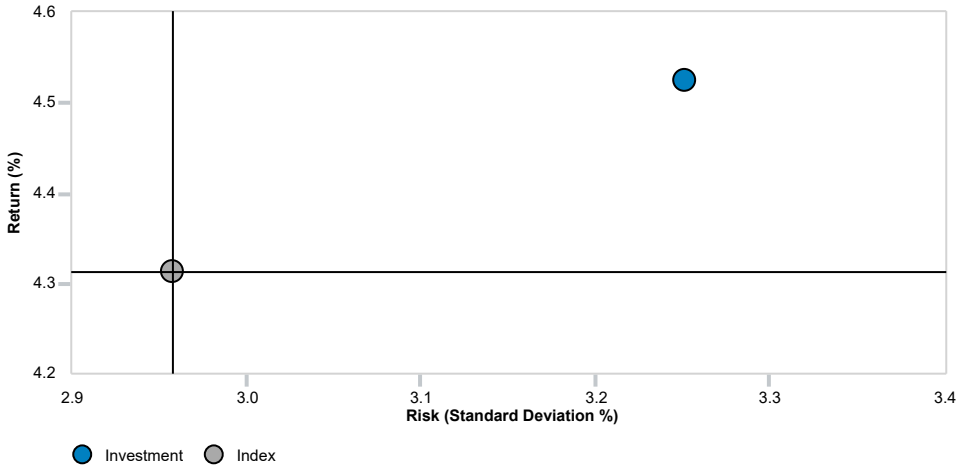
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	4.52	3.25	1.01	105.15	17	105.51	3
Index	4.31	2.96	1.05	100.00	17	100.00	3

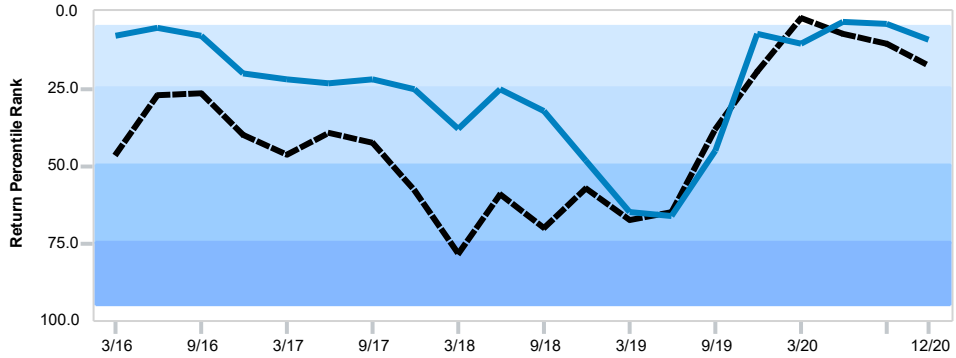
Risk and Return 3 Years



Risk and Return 5 Years

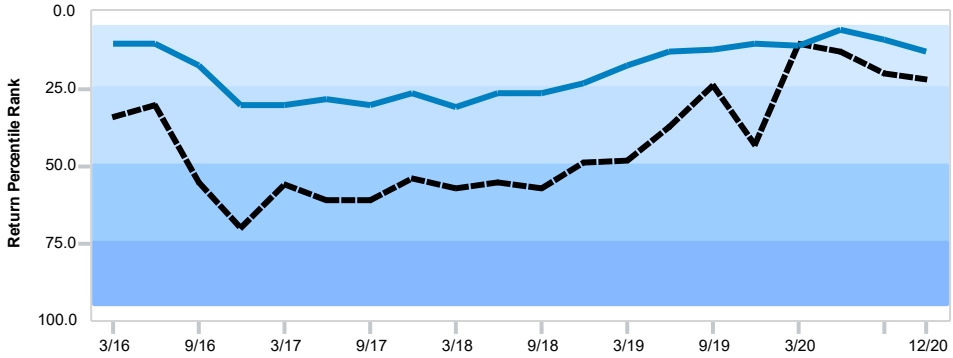


3 Year Rolling Percentile Rank IM U.S. Intermediate Duration (SA+CF)



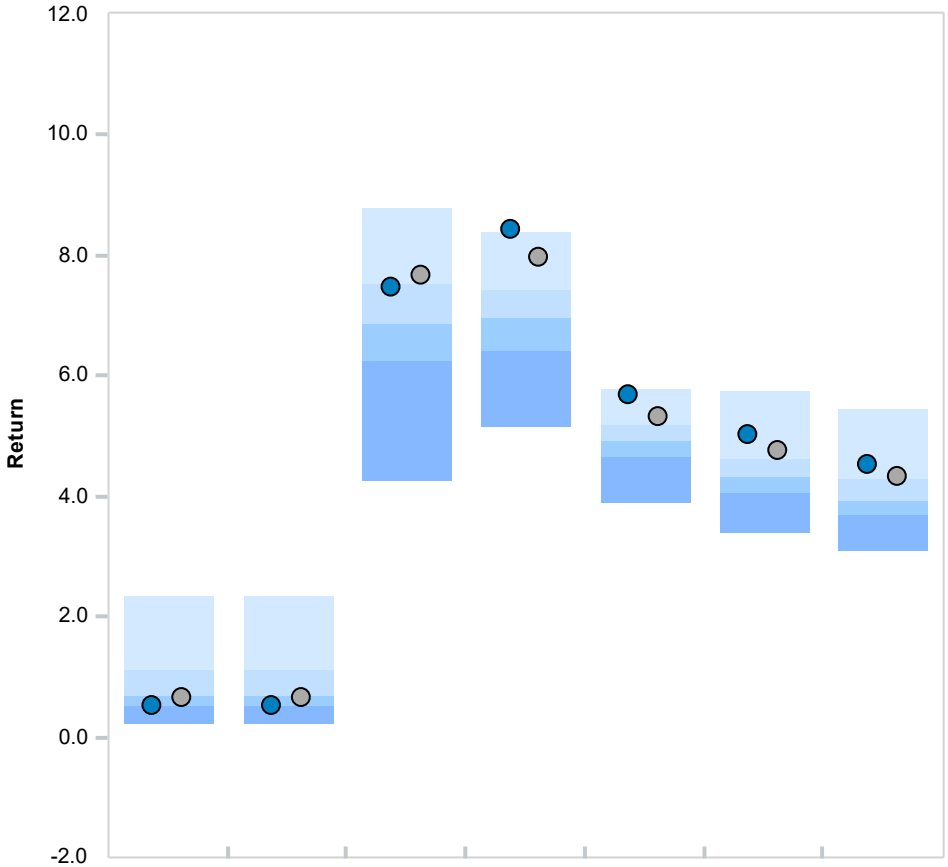
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	14 (70%)	4 (20%)	2 (10%)	0 (0%)
Index	20	5 (25%)	8 (40%)	6 (30%)	1 (5%)

5 Year Rolling Percentile Rank IM U.S. Intermediate Duration (SA+CF)



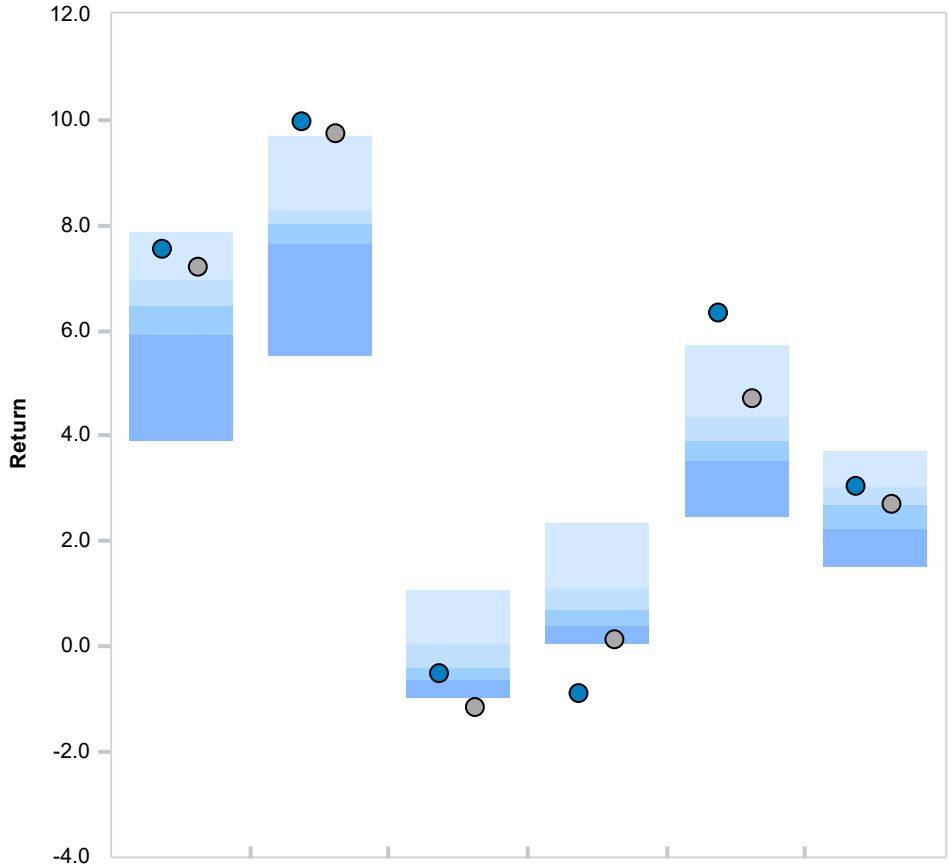
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	12 (60%)	8 (40%)	0 (0%)	0 (0%)
Index	20	5 (25%)	6 (30%)	9 (45%)	0 (0%)

Peer Group Analysis - IM U.S. Intermediate Duration (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	0.51 (76)	0.51 (76)	7.46 (28)	8.41 (5)	5.69 (9)	5.02 (9)	4.52 (13)
Index	0.65 (52)	0.65 (52)	7.68 (21)	7.97 (8)	5.32 (17)	4.75 (17)	4.31 (22)
Median	0.69	0.69	6.88	6.98	4.92	4.32	3.93

Peer Group Analysis - IM U.S. Intermediate Duration (SA+CF)

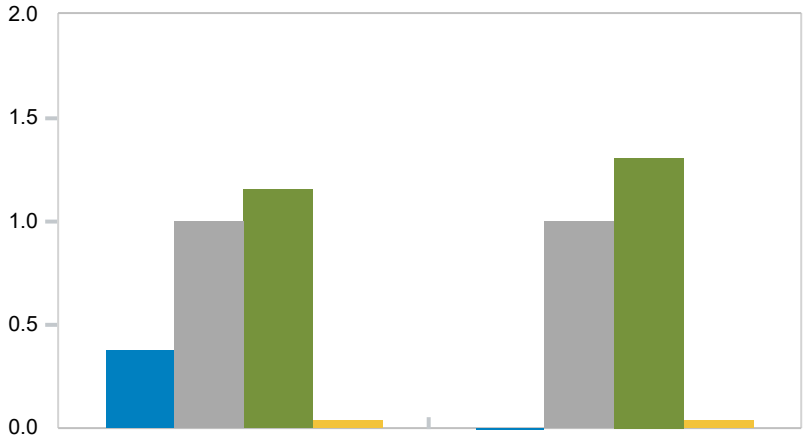


	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	7.52 (9)	9.96 (4)	-0.50 (60)	-0.89 (100)	6.33 (3)	3.03 (26)
Index	7.18 (16)	9.74 (5)	-1.16 (97)	0.11 (92)	4.68 (17)	2.71 (48)
Median	6.46	8.01	-0.39	0.69	3.90	2.70

Comparative Performance

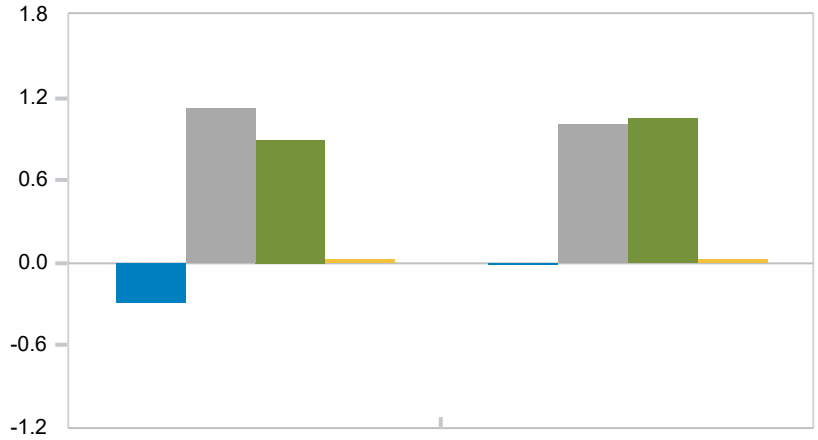
	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	0.96 (46)	5.31 (10)	0.55 (66)	0.58 (26)	1.80 (9)	3.20 (2)
Index	0.70 (66)	3.26 (62)	2.88 (10)	0.18 (95)	2.00 (7)	3.06 (4)
Median	0.85	3.73	1.29	0.44	1.42	2.50

Risk / Reward Historical Statistics 3 Years Ending December 31, 2020



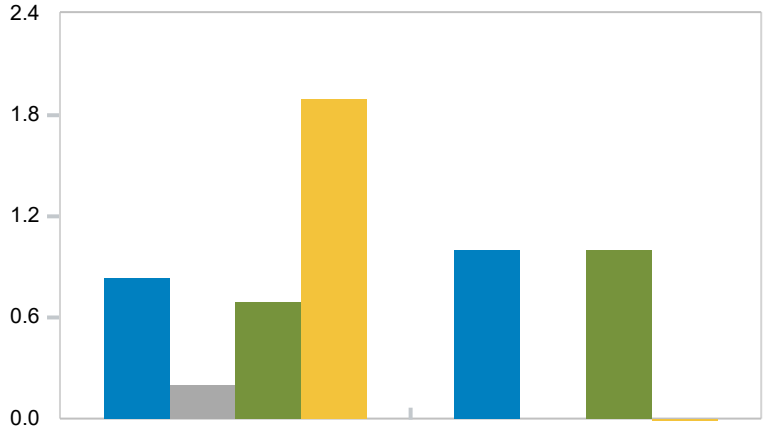
	Inverness Fixed Income	Inverness Fixed Income Index
Alpha	0.38	0.00
Beta	1.00	1.00
Sharpe Ratio	1.16	1.31
Treynor Ratio	0.04	0.04

Risk / Reward Historical Statistics 5 Years Ending December 31, 2020



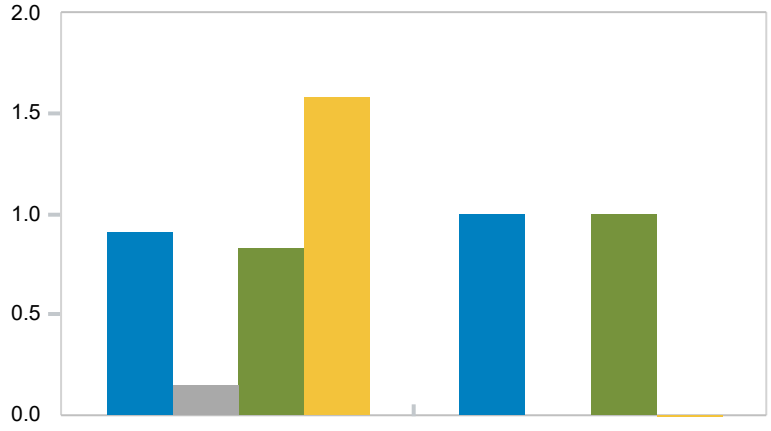
	Inverness Fixed Income	Inverness Fixed Income Index
Alpha	-0.30	0.00
Beta	1.12	1.00
Sharpe Ratio	0.89	1.05
Treynor Ratio	0.03	0.03

Index Relative Historical Statistics 3 Years Ending December 31, 2020



	Inverness Fixed Income	Inverness Fixed Income Index
Actual Correlation	0.83	1.00
Information Ratio	0.19	N/A
R-Squared	0.69	1.00
Tracking Error	1.89	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2020



	Inverness Fixed Income	Inverness Fixed Income Index
Actual Correlation	0.91	1.00
Information Ratio	0.14	N/A
R-Squared	0.83	1.00
Tracking Error	1.58	0.00

Benchmark: Inverness Fixed Income Index

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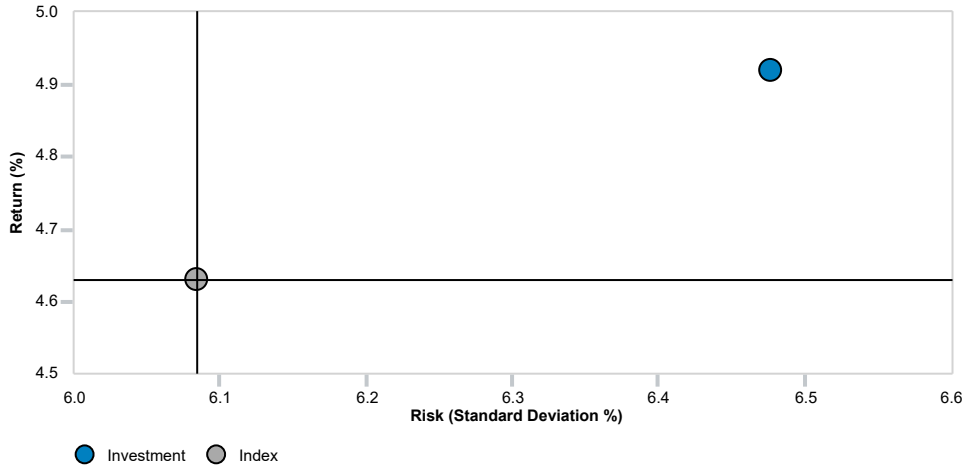
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	4.92	6.48	0.52	107.22	8	107.81	4
Index	4.63	6.08	0.51	100.00	7	100.00	5

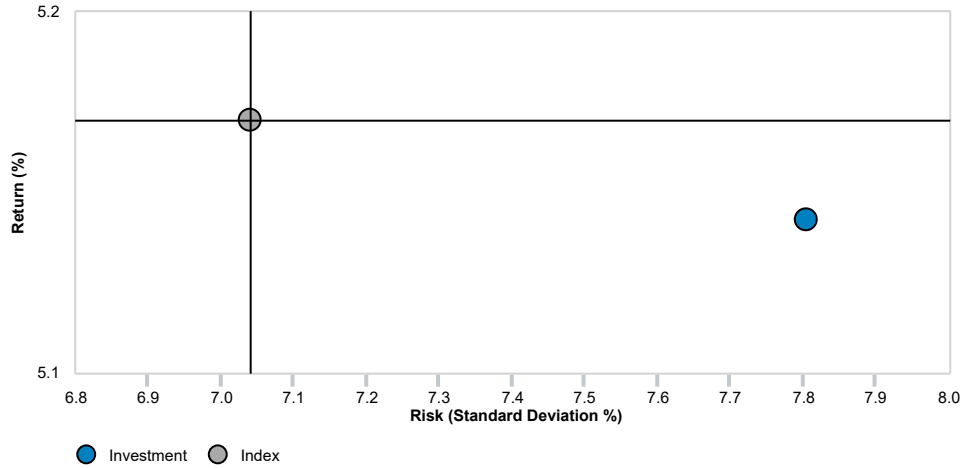
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.14	7.81	0.53	107.27	15	112.22	5
Index	5.17	7.04	0.58	100.00	14	100.00	6

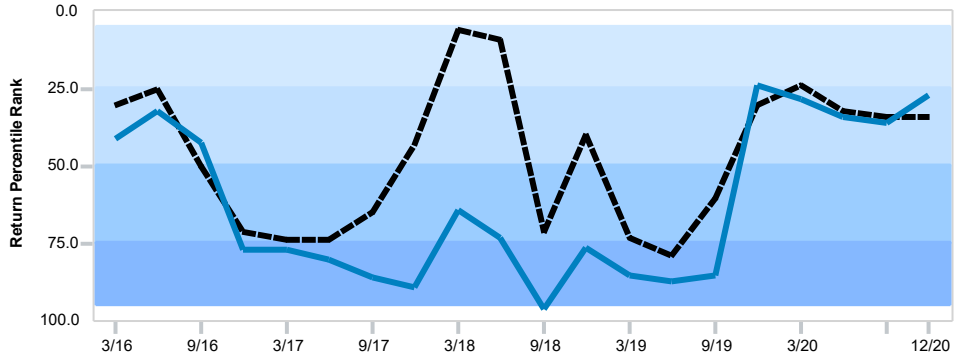
Risk and Return 3 Years



Risk and Return 5 Years

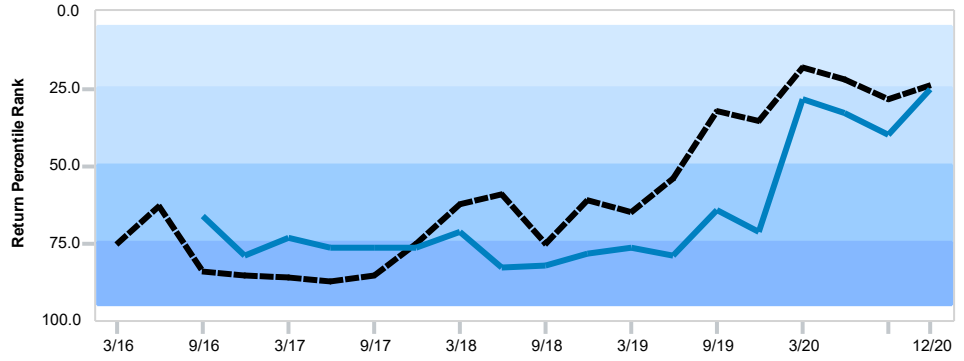


3 Year Rolling Percentile Rank IM International Fixed Income (MF)



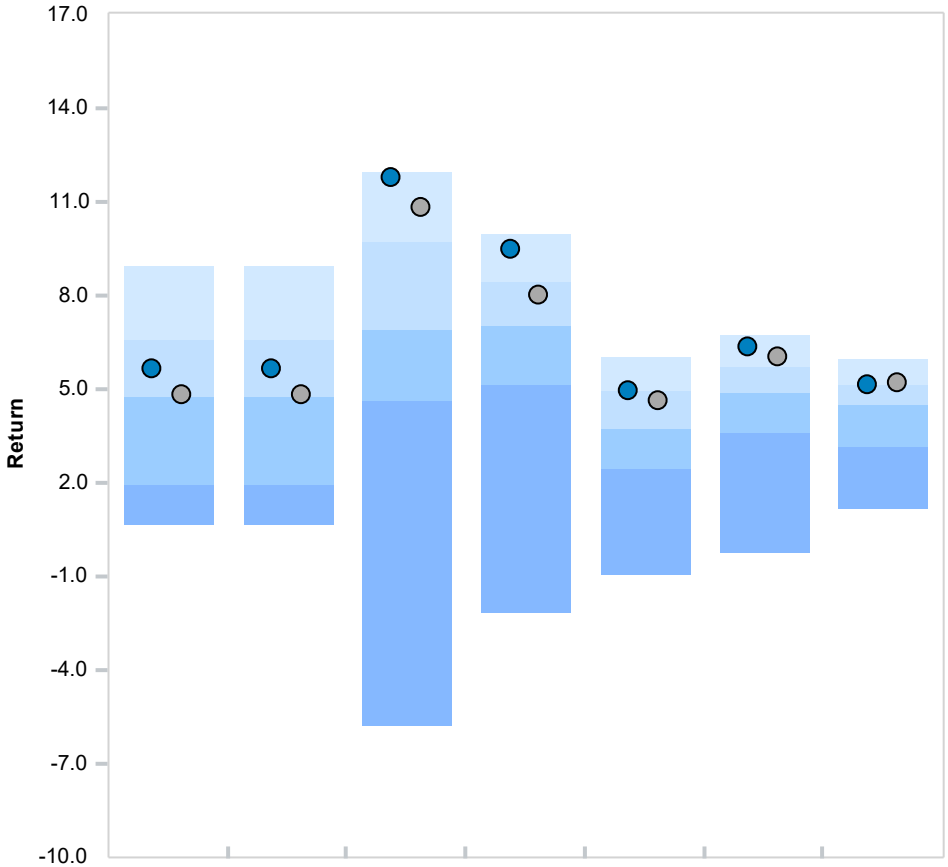
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	1 (5%)	7 (35%)	2 (10%)	10 (50%)
Index	20	4 (20%)	8 (40%)	7 (35%)	1 (5%)

5 Year Rolling Percentile Rank IM International Fixed Income (MF)



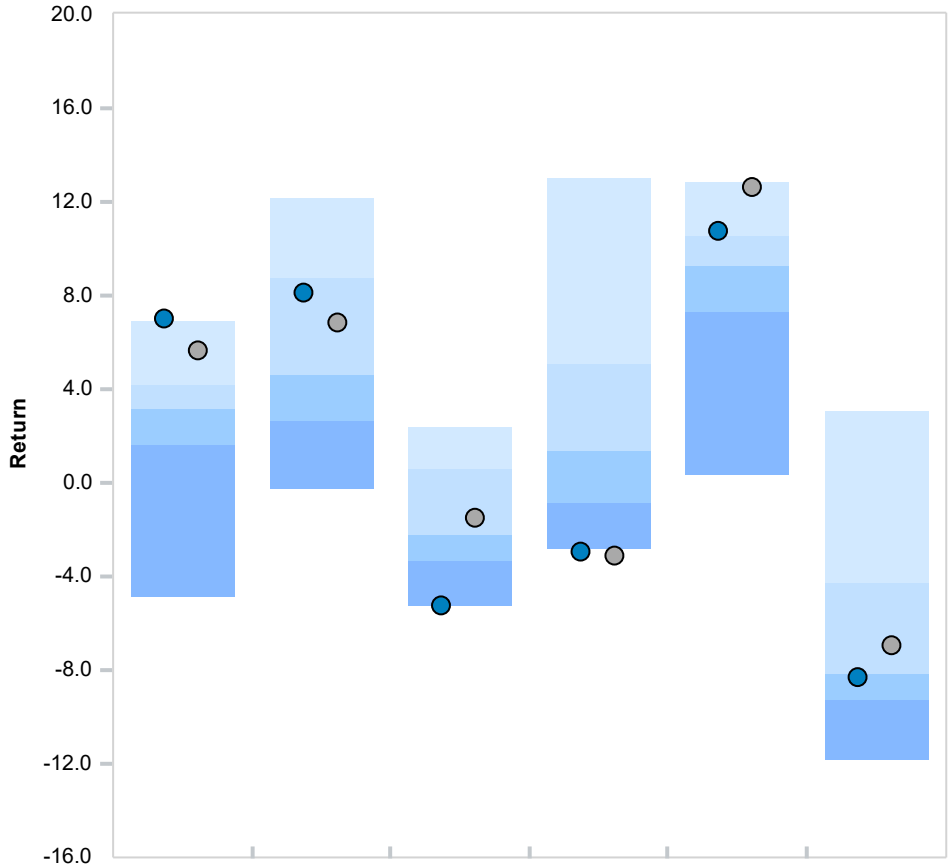
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	18	1 (6%)	3 (17%)	5 (28%)	9 (50%)
Index	20	3 (15%)	3 (15%)	9 (45%)	5 (25%)

Peer Group Analysis - IM International Fixed Income (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	5.63 (40)	5.63 (40)	11.77 (7)	9.49 (8)	4.92 (27)	6.37 (11)	5.14 (25)
Index	4.82 (49)	4.82 (49)	10.78 (12)	8.01 (30)	4.63 (34)	6.03 (19)	5.17 (24)
Median	4.77	4.77	6.92	7.05	3.73	4.87	4.46

Peer Group Analysis - IM International Fixed Income (MF)

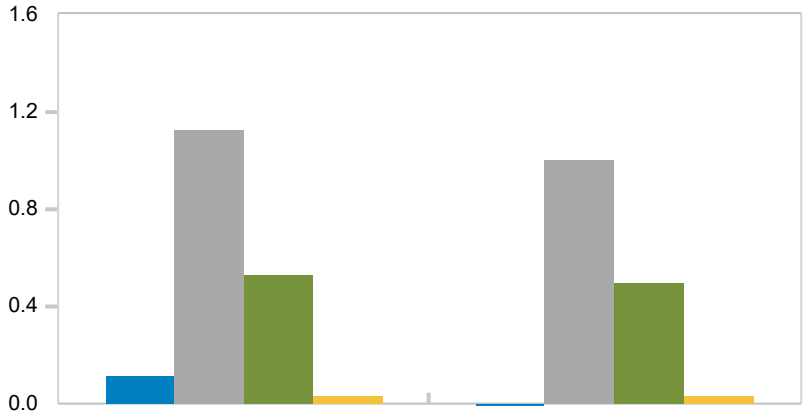


	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	6.99 (4)	8.09 (33)	-5.24 (95)	-3.01 (97)	10.71 (24)	-8.35 (55)
Index	5.60 (18)	6.78 (40)	-1.57 (34)	-3.14 (98)	12.61 (8)	-7.01 (38)
Median	3.12	4.60	-2.20	1.37	9.26	-8.21

Comparative Performance

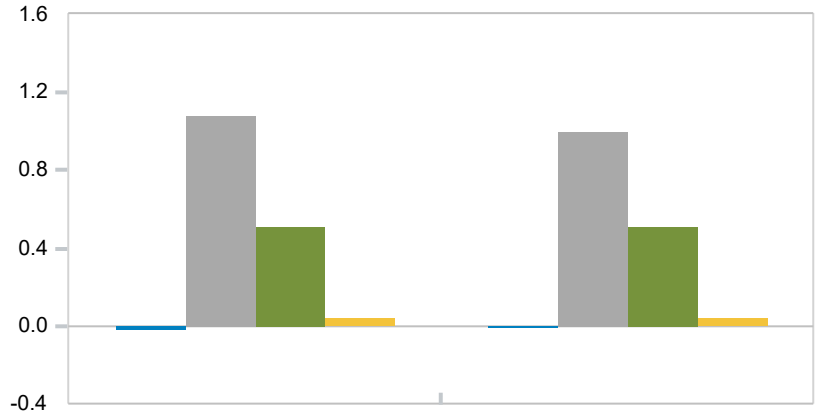
	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	4.27 (30)	4.15 (52)	-2.57 (23)	1.12 (44)	-0.08 (36)	3.96 (14)
Index	4.59 (19)	2.98 (73)	-1.88 (15)	-0.07 (71)	-0.11 (36)	3.93 (14)
Median	2.56	4.16	-4.63	0.93	-1.06	2.96

Risk / Reward Historical Statistics 3 Years Ending December 31, 2020



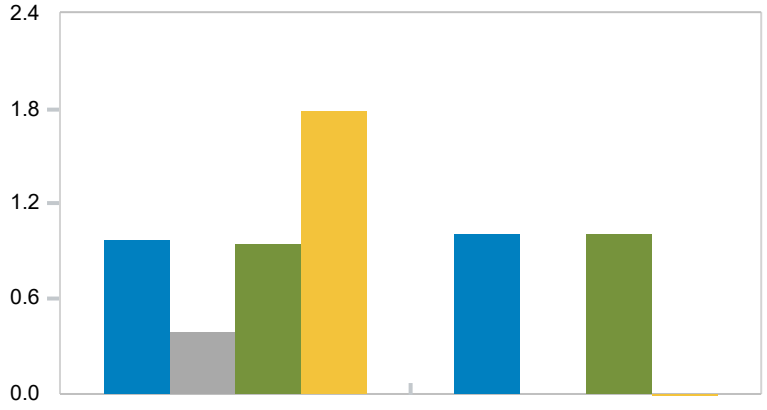
	Wells Capital Fixed	FTSE Non-U.S. World Government Bond
Alpha	0.11	0.00
Beta	1.12	1.00
Sharpe Ratio	0.53	0.50
Treynor Ratio	0.03	0.03

Risk / Reward Historical Statistics 5 Years Ending December 31, 2020



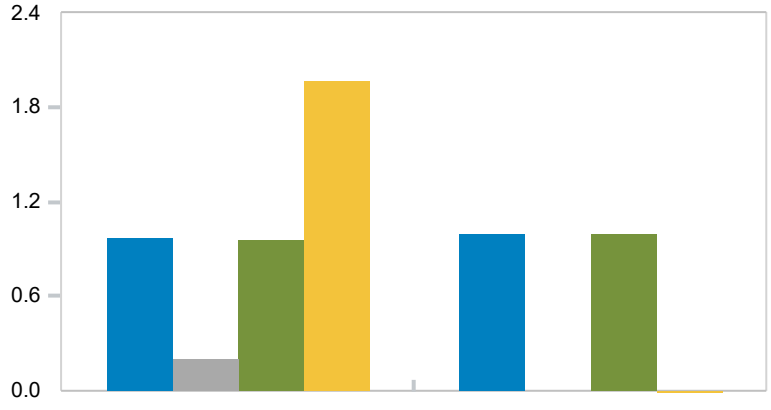
	Wells Capital Fixed	FTSE Non-U.S. World Government Bond
Alpha	-0.02	0.00
Beta	1.08	1.00
Sharpe Ratio	0.51	0.51
Treynor Ratio	0.04	0.04

Index Relative Historical Statistics 3 Years Ending December 31, 2020



	Wells Capital Fixed	FTSE Non-U.S. World Government Bond
Actual Correlation	0.97	1.00
Information Ratio	0.39	N/A
R-Squared	0.95	1.00
Tracking Error	1.79	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2020



	Wells Capital Fixed	FTSE Non-U.S. World Government Bond
Actual Correlation	0.98	1.00
Information Ratio	0.20	N/A
R-Squared	0.96	1.00
Tracking Error	1.97	0.00

Benchmark: FTSE Non-U.S. World Government Bond

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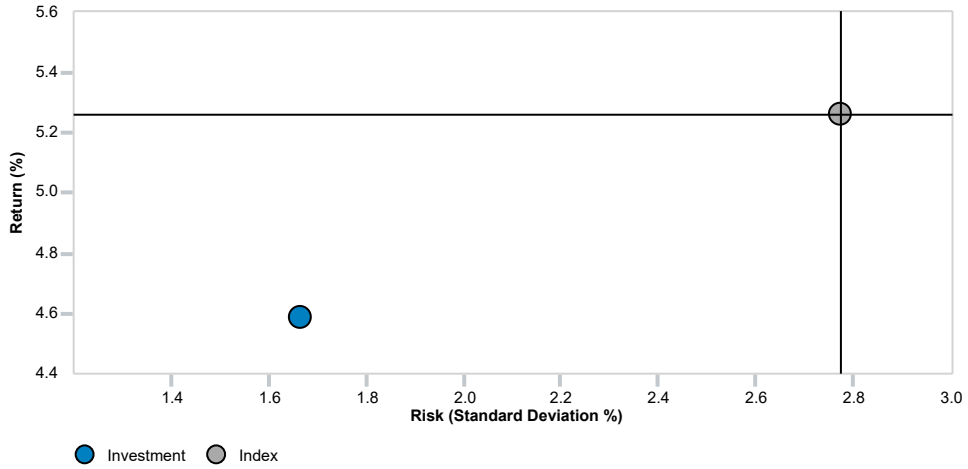
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	4.59	1.67	1.83	90.14	10	127.95	2
Index	5.26	2.77	1.32	100.00	11	100.00	1

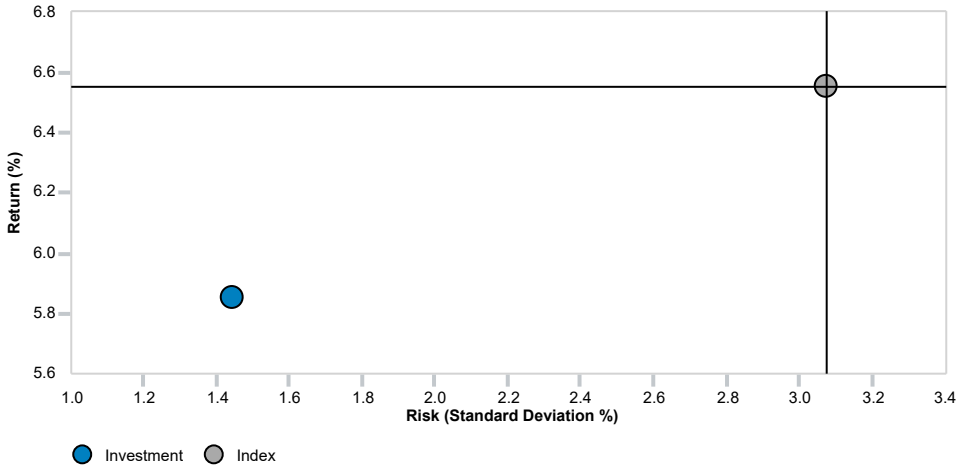
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.85	1.45	3.12	90.54	18	127.95	2
Index	6.56	3.07	1.71	100.00	19	100.00	1

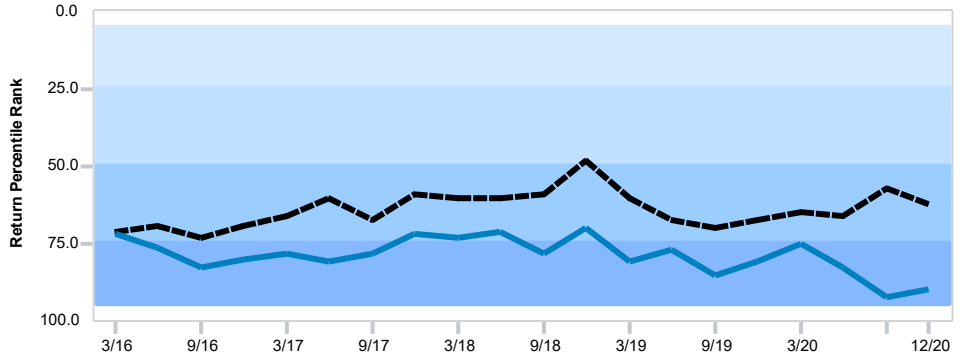
Risk and Return 3 Years



Risk and Return 5 Years

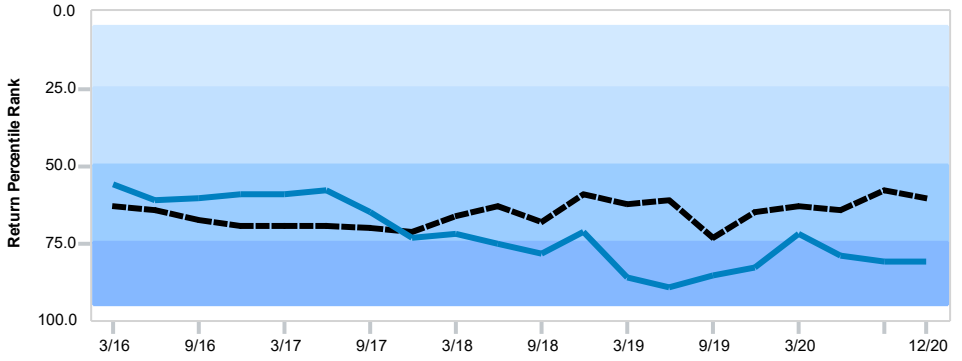


3 Year Rolling Percentile Rank IM U.S. Private Real Estate (SA+CF)



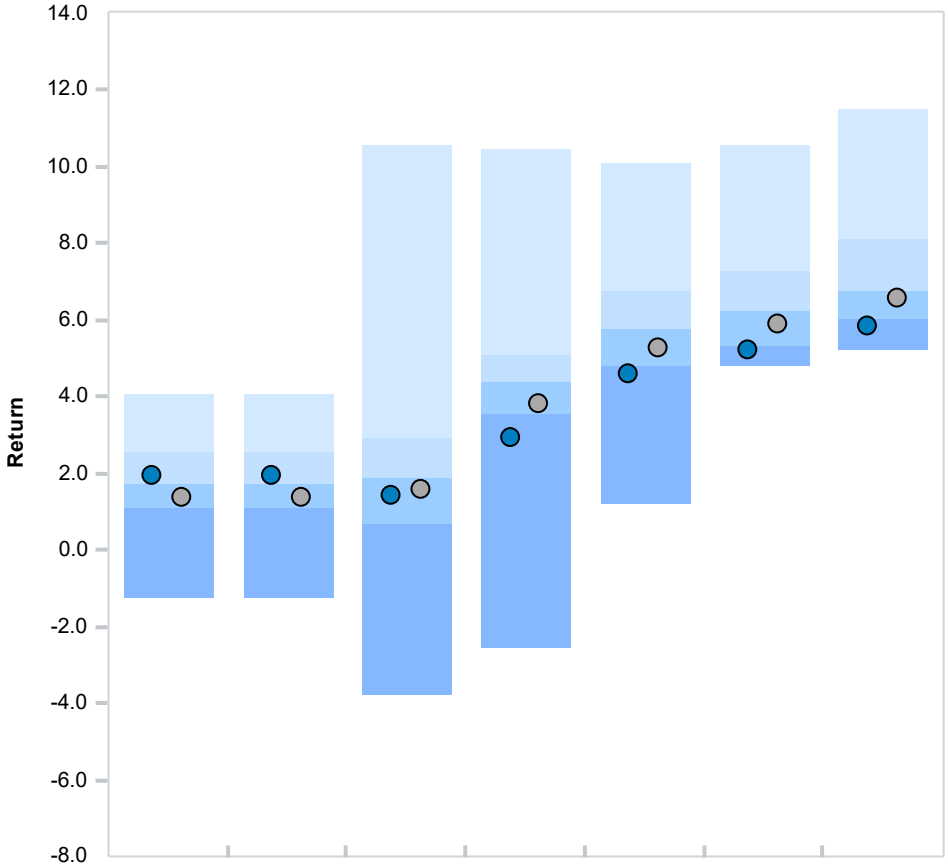
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	0 (0%)	0 (0%)	6 (30%)	14 (70%)
Index	20	0 (0%)	1 (5%)	19 (95%)	0 (0%)

5 Year Rolling Percentile Rank IM U.S. Private Real Estate (SA+CF)



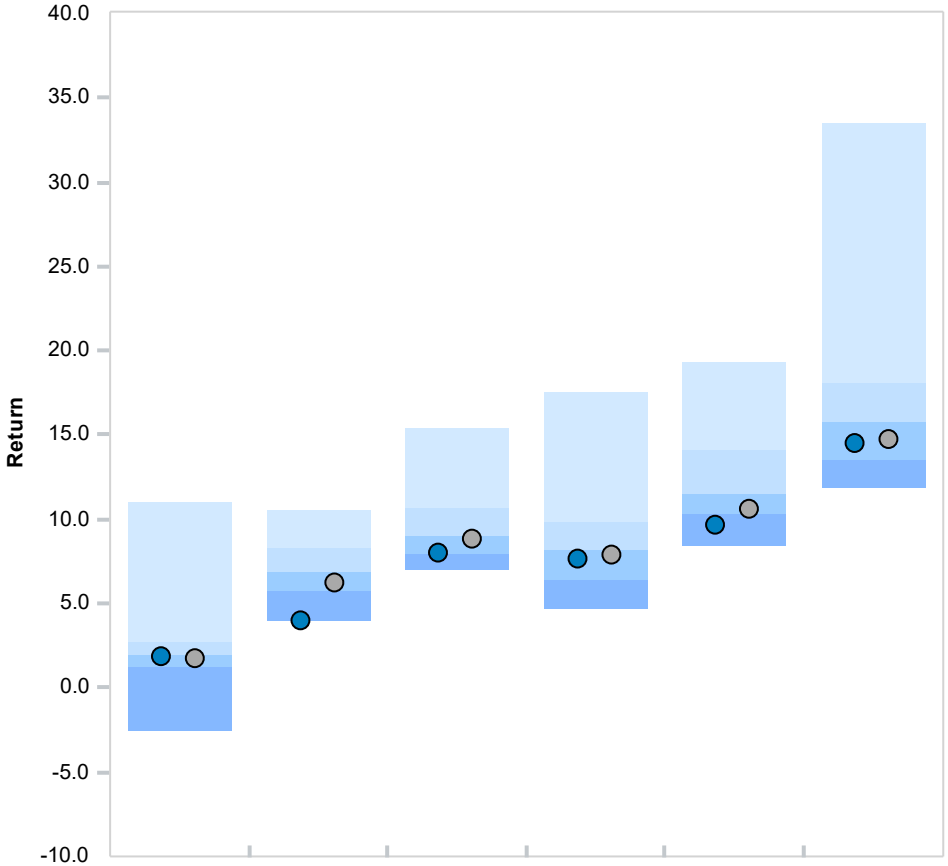
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	0 (0%)	0 (0%)	12 (60%)	8 (40%)
Index	20	0 (0%)	0 (0%)	20 (100%)	0 (0%)

Peer Group Analysis - IM U.S. Private Real Estate (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	1.95 (42)	1.95 (42)	1.43 (60)	2.90 (87)	4.59 (90)	5.23 (77)	5.85 (81)
Index	1.36 (65)	1.36 (65)	1.57 (55)	3.80 (73)	5.26 (62)	5.89 (62)	6.56 (60)
Median	1.71	1.71	1.86	4.39	5.80	6.27	6.78

Peer Group Analysis - IM U.S. Private Real Estate (SA+CF)



	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	1.77 (55)	3.92 (97)	8.01 (72)	7.58 (60)	9.65 (84)	14.48 (69)
Index	1.74 (60)	6.17 (72)	8.82 (59)	7.81 (57)	10.62 (68)	14.71 (65)
Median	1.90	6.89	9.04	8.17	11.57	15.79

Comparative Performance

	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	-0.03 (84)	-2.02 (75)	1.57 (28)	2.29 (22)	0.45 (97)	1.15 (75)
Index	0.57 (48)	-1.27 (59)	0.92 (67)	1.53 (58)	1.39 (75)	1.34 (61)
Median	0.49	-1.22	1.31	1.61	1.75	1.44

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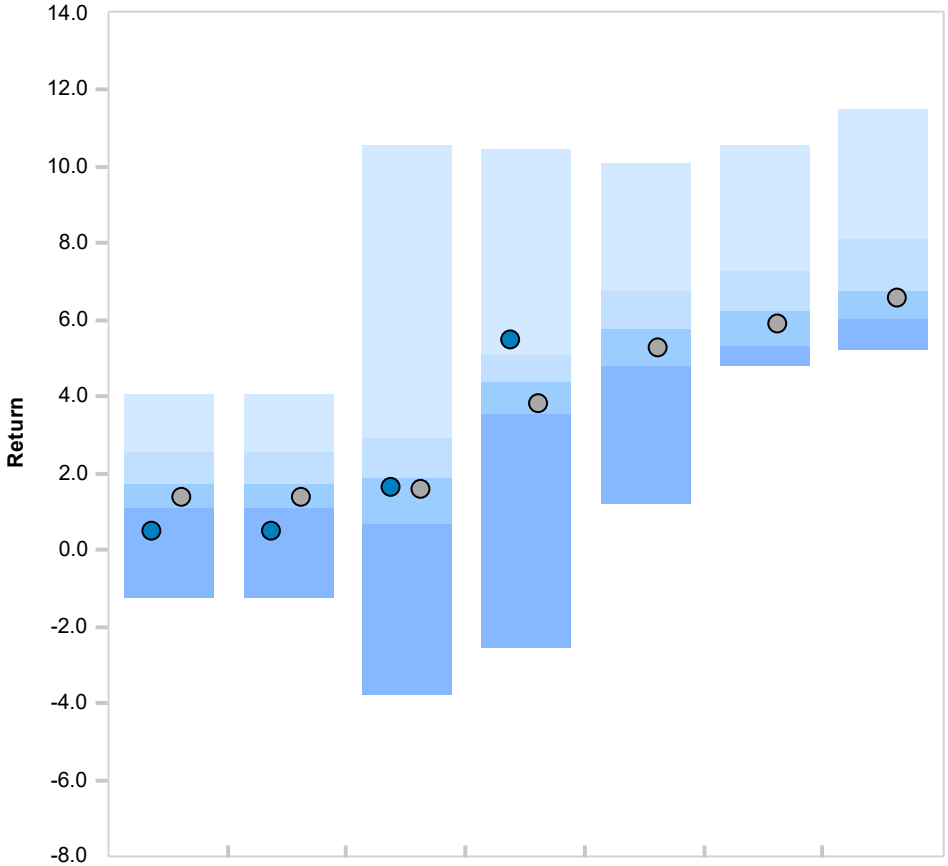
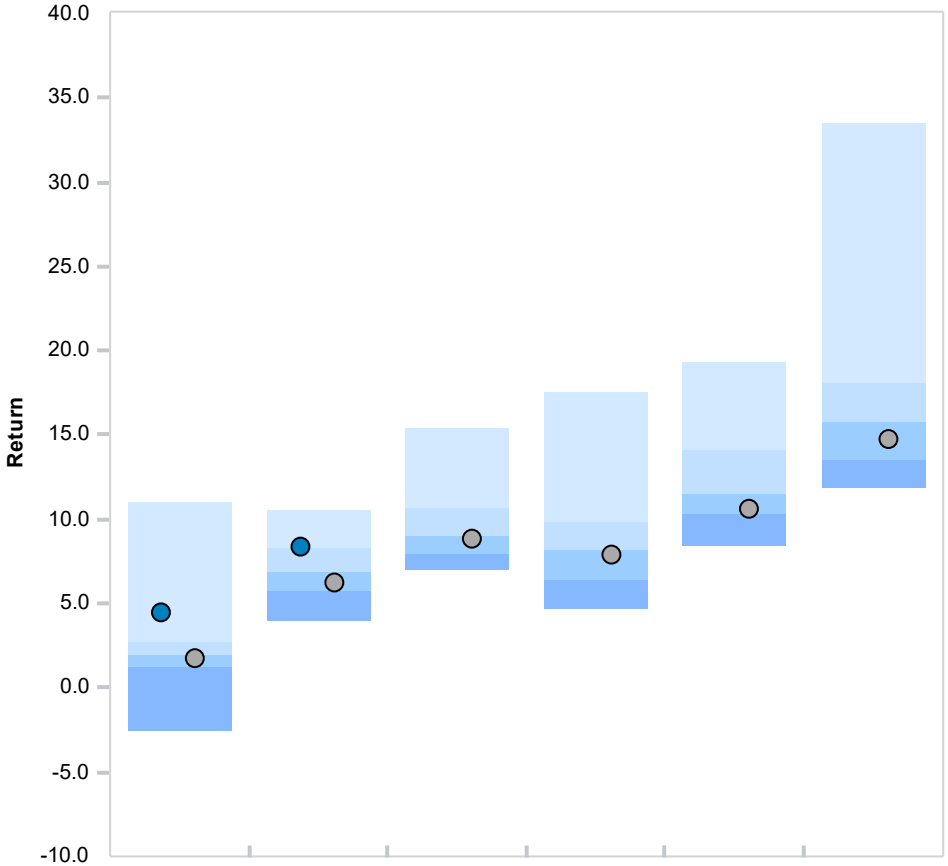
Peer Group Analysis - IM U.S. Private Real Estate (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
Investment	0.48 (91)	0.48 (91)	1.64 (54)	5.47 (20)	N/A	N/A	N/A
Index	1.36 (65)	1.36 (65)	1.57 (55)	3.80 (73)	5.26 (62)	5.89 (62)	6.56 (60)
Median	1.71	1.71	1.86	4.39	5.80	6.27	6.78

Peer Group Analysis - IM U.S. Private Real Estate (SA+CF)



	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015
Investment	4.40 (14)	8.32 (22)	N/A	N/A	N/A	N/A
Index	1.74 (60)	6.17 (72)	8.82 (59)	7.81 (57)	10.62 (68)	14.71 (65)
Median	1.90	6.89	9.04	8.17	11.57	15.79

Comparative Performance

	1 Qtr Ending Sep-2020	1 Qtr Ending Jun-2020	1 Qtr Ending Mar-2020	1 Qtr Ending Dec-2019	1 Qtr Ending Sep-2019	1 Qtr Ending Jun-2019
Investment	0.90 (26)	-0.02 (30)	0.27 (81)	3.22 (8)	2.51 (19)	1.45 (48)
Index	0.57 (48)	-1.27 (59)	0.92 (67)	1.53 (58)	1.39 (75)	1.34 (61)
Median	0.49	-1.22	1.31	1.61	1.75	1.44

	Estimated Annual Fee (%)	Market Value ($)	Estimated Annual Fee ($)	Fee Schedule
Rhumbline LCV	0.05	56,543,401	28,272	0.05 % of Assets
Inverness Equity	0.30	214,262,878	642,789	0.30 % of Assets
Inverness Fixed Income	0.20	195,299,479	390,599	0.20 % of Assets
Logan Equity	0.60	76,638,673	459,832	0.60 % of Assets
Rhumbline S&P MidCap 400	0.05	89,680,514	44,840	0.05 % of Assets
Wellington	0.60	114,698,920	688,194	0.60 % of Assets
Wells Capital Fixed	0.32	57,790,633	184,930	0.32 % of Assets
Rhumbline Intl Equity	0.05	58,086,948	29,043	0.05 % of Assets
JPMCB Strategic Property Fund	1.00	48,810,505	488,105	1.00 % of Assets
JPMCB Special Situation Property Fund	1.60	50,000,000	800,000	1.60 % of Assets
Intercontinental RE	1.00	50,507,772	505,078	1.00 % of Assets
Grosvenor (FOF)	1.15	10,712,568	123,195	1.15 % of Assets
Total Fund Composite	**0.41**	**1,098,257,177**	**4,485,103**	

Total Policy Historical Hybrid Composition

Allocation Mandate	Weight (%)
Jan-1978	
S&P 500 Index	49.00
Blmbg. Barc. U.S. Gov't/Credit	23.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	23.00
FTSE 3 Month T-Bill	5.00
Apr-2003	
S&P 500 Index	46.00
Blmbg. Barc. U.S. Gov't/Credit	23.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	23.00
FTSE 3 Month T-Bill	3.00
MSCI EAFE Index	5.00
Apr-2007	
S&P 500 Index	23.00
Blmbg. Barc. U.S. Gov't/Credit	23.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	23.00
FTSE 3 Month T-Bill	5.00
MSCI EAFE Index	5.00
Russell 2000 Index	8.00
S&P MidCap 400 Index	7.00
Russell 1000 Value Index	3.00
Russell 1000 Growth Index	3.00
Jul-2007	
S&P 500 Index	30.00
Blmbg. Barc. U.S. Gov't/Credit	17.50
Bloomberg Barclays Intermediate US Govt/Credit Idx	17.50
FTSE 3 Month T-Bill	5.00
MSCI EAFE Index	5.00
Russell 2000 Index	8.00
S&P MidCap 400 Index	7.00
Russell 1000 Value Index	3.00
Russell 1000 Growth Index	3.00
NCREIF Property Index	4.00

Allocation Mandate	Weight (%)
Oct-2011	
S&P 500 Index	30.00
Blmbg. Barc. U.S. Gov't/Credit	15.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	15.00
FTSE 3 Month T-Bill	5.00
MSCI EAFE Index	5.00
Russell 2000 Index	8.00
S&P MidCap 400 Index	7.00
Russell 1000 Value Index	3.00
Russell 1000 Growth Index	3.00
NCREIF Property Index	4.00
FTSE Non-U.S. World Government Bond	5.00
Oct-2013	
S&P 500 Index	24.00
Blmbg. Barc. U.S. Gov't/Credit	15.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	15.00
FTSE 3 Month T-Bill	5.00
MSCI EAFE Index	5.00
Russell 2000 Index	8.00
S&P MidCap 400 Index	8.00
Russell 1000 Value Index	5.00
Russell 1000 Growth Index	5.00
NCREIF Property Index	5.00
FTSE Non-U.S. World Government Bond	5.00
Apr-2018	
S&P 500 Index	24.00
Blmbg. Barc. U.S. Gov't/Credit	12.50
Bloomberg Barclays Intermediate US Govt/Credit Idx	12.50
FTSE 3 Month T-Bill	5.00
MSCI EAFE Index	5.00
Russell 2000 Index	8.00
S&P MidCap 400 Index	8.00
Russell 1000 Value Index	5.00
Russell 1000 Growth Index	5.00
NCREIF Fund Index-Open End Diversified Core (EW)	10.00
FTSE Non-U.S. World Government Bond	5.00

Allocation Mandate	Weight (%)
Aug-2019	
S&P 500 Index	20.00
S&P MidCap 400 Index	10.00
Russell 2000 Index	10.00
Russell 1000 Value Index	5.00
Russell 1000 Growth Index	5.00
MSCI EAFE Index	5.00
Blmbg. Barc. U.S. Gov't/Credit	12.50
Bloomberg Barclays Intermediate US Govt/Credit Idx	12.50
FTSE Non-U.S. World Government Bond	5.00
FTSE 3 Month T-Bill	5.00
NCREIF Fund Index-Open End Diversified Core (EW)	10.00
Oct-2020	
S&P 500 Index	19.00
Russell 2000 Index	10.00
S&P MidCap 400 Index	10.00
Russell 1000 Growth Index	5.00
Russell 1000 Value Index	5.00
MSCI EAFE Index	5.00
NCREIF Fund Index-Open End Diversified Core (EW)	15.00
Blmbg. Barc. U.S. Gov't/Credit	9.50
Bloomberg Barclays Intermediate US Govt/Credit Idx	9.50
FTSE Non-U.S. World Government Bond	5.00
90 day T-Bill + 5.0%	1.00
FTSE 3 Month T-Bill	6.00

Total Equity Historical Hybrid Composition

Allocation Mandate	Weight (%)
Oct-1990	
S&P 500 Index	100.00
Apr-2003	
S&P 500 Index	93.50
MSCI EAFE Index	6.50
Apr-2007	
S&P 500 Index	47.00
MSCI EAFE Index	10.00
Russell 2000 Index	16.00
S&P MidCap 400 Index	15.00
Russell 1000 Value Index	6.00
Russell 1000 Growth Index	6.00
Jul-2007	
S&P 500 Index	50.00
MSCI EAFE Index	8.00
Russell 2000 Index	13.00
S&P MidCap 400 Index	12.00
Russell 1000 Value Index	5.00
Russell 1000 Growth Index	5.00
NCREIF Property Index	7.00
Oct-2013	
S&P 500 Index	44.00
MSCI EAFE Index	9.00
Russell 2000 Index	14.50
S&P MidCap 400 Index	14.50
Russell 1000 Value Index	9.00
Russell 1000 Growth Index	9.00
Aug-2019	
S&P 500 Index	36.00
MSCI EAFE Index	10.00
Russell 2000 Index	18.00
S&P MidCap 400 Index	18.00
Russell 1000 Value Index	9.00
Russell 1000 Growth Index	9.00

Allocation Mandate	Weight (%)
Oct-2020	
S&P 500 Index	35.00
Russell 2000 Index	19.00
S&P MidCap 400 Index	19.00
Russell 1000 Growth Index	9.50
Russell 1000 Value Index	9.50
MSCI EAFE Index	8.00

Total Fixed Income Historical Hybrid Composition

Allocation Mandate	Weight (%)
Jan-1973	
Bloomberg Barclays Intermediate US Govt/Credit Idx	50.00
Blmbg. Barc. U.S. Gov't/Credit	50.00
Oct-2011	
Bloomberg Barclays Intermediate US Govt/Credit Idx	43.00
Blmbg. Barc. U.S. Gov't/Credit	43.00
FTSE Non-U.S. World Government Bond	14.00
Apr-2018	
Bloomberg Barclays Intermediate US Govt/Credit Idx	41.50
Blmbg. Barc. U.S. Gov't/Credit	41.50
FTSE Non-U.S. World Government Bond	17.00
Aug-2019	
Bloomberg Barclays Intermediate US Govt/Credit Idx	42.00
Blmbg. Barc. U.S. Gov't/Credit	42.00
FTSE Non-U.S. World Government Bond	16.00
Oct-2020	
Bloomberg Barclays Intermediate US Govt/Credit Idx	40.00
Blmbg. Barc. U.S. Gov't/Credit	40.00
FTSE Non-U.S. World Government Bond	20.00

Inverness Balanced Historical Hybrid Composition

Allocation Mandate	Weight (%)
Jan-2000	
S&P 500 Index	47.50
Blmbg. Barc. U.S. Gov't/Credit	23.80
Bloomberg Barclays Intermediate US Govt/Credit Idx	23.70
FTSE 3 Month T-Bill	5.00
Apr-2007	
S&P 500 Index	32.00
Blmbg. Barc. U.S. Gov't/Credit	31.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	31.00
FTSE 3 Month T-Bill	6.00
Jul-2007	
S&P 500 Index	43.00
Blmbg. Barc. U.S. Gov't/Credit	25.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	25.00
FTSE 3 Month T-Bill	7.00
Oct-2013	
S&P 500 Index	41.00
Blmbg. Barc. U.S. Gov't/Credit	25.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	25.00
FTSE 3 Month T-Bill	9.00

Inverness Fixed Income Historical Hybrid Composition

Allocation Mandate	Weight (%)
Oct-1990	
Bloomberg Barclays Intermediate US Govt/Credit Idx	50.00
Blmbg. Barc. U.S. Gov't/Credit	50.00

Annual Asset Class Performance
Market Indexes
As of December 31, 2020

Annual Asset Class Performance

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD
Best	MSCI EM (Net) 32.2 %	MSCI EM (Net) 39.4 %	BB US Aggregate 5.2 %	MSCI EM (Net) 78.5 %	Russell 2000 Growth 29.1 %	NCREIF ODCE-EW (Net) 15.0 %	MSCI EM (Net) 18.2 %	Russell 2000 Growth 43.3 %	S&P 500 13.7 %	NCREIF ODCE-EW (Net) 14.2 %	Russell 2000 Value 31.7 %	MSCI EM (Net) 37.3 %	NCREIF ODCE-EW (Net) 7.3 %	Russell 1000 Growth 36.4 %	Russell 1000 Growth 38.5 %
	MSCI EAFE (Net) 26.3 %	NCREIF ODCE-EW (Net) 15.0 %	BB Global Agg Ex USD 4.4 %	BB US Corp High Yield 58.2 %	Russell 2000 26.9 %	BB US Aggregate 7.8 %	Russell 2000 Value 18.1 %	Russell 2000 38.8 %	Russell 1000 Value 13.5 %	Russell 1000 Growth 5.7 %	Russell 2000 21.3 %	Russell 1000 Growth 30.2 %	BB US Aggregate 0.0 %	S&P 500 31.5 %	Russell 2000 Growth 34.6 %
	Russell 2000 Value 23.5 %	Russell 1000 Growth 11.8 %	NCREIF ODCE-EW (Net) -11.1 %	Russell 1000 Growth 37.2 %	Russell 2000 Value 24.5 %	BB US Corp High Yield 5.0 %	Russell 1000 Value 17.5 %	Russell 2000 Value 34.5 %	Russell 1000 Growth 13.1 %	S&P 500 1.4 %	Russell 1000 Value 17.3 %	MSCI EAFE (Net) 25.0 %	Russell 1000 Growth -1.5 %	Russell 2000 Growth 28.5 %	Russell 2000 20.0 %
	Russell 1000 Value 22.2 %	MSCI EAFE (Net) 11.2 %	BB US Corp High Yield -26.2 %	Russell 2000 Growth 34.5 %	MSCI EM (Net) 18.9 %	BB Global Agg Ex USD 4.4 %	MSCI EAFE (Net) 17.3 %	Russell 1000 Growth 33.5 %	NCREIF ODCE-EW (Net) 11.4 %	BB US Aggregate 0.5 %	BB US Corp High Yield 17.1 %	Russell 2000 Growth 22.2 %	BB US Corp High Yield -2.1 %	Russell 1000 Value 26.5 %	S&P 500 18.4 %
	Russell 2000 18.4 %	BB Global Agg Ex USD 11.0 %	Russell 2000 Value -28.9 %	MSCI EAFE (Net) 31.8 %	Russell 1000 Growth 16.7 %	Russell 1000 Growth 2.6 %	Russell 2000 16.3 %	Russell 1000 Value 32.5 %	BB US Aggregate 6.0 %	MSCI EAFE (Net) -0.8 %	S&P 500 12.0 %	S&P 500 21.8 %	BB Global Agg Ex USD -2.1 %	Russell 2000 25.5 %	MSCI EM (Net) 18.3 %
	S&P 500 15.8 %	Russell 2000 Growth 7.0 %	Russell 2000 -33.8 %	Russell 2000 27.2 %	Russell 1000 Value 15.5 %	S&P 500 2.1 %	S&P 500 16.0 %	S&P 500 32.4 %	Russell 2000 Growth 5.6 %	Russell 2000 Growth -1.4 %	Russell 2000 Growth 11.3 %	Russell 2000 14.6 %	S&P 500 -4.4 %	Russell 2000 Value 22.4 %	BB Global Agg Ex USD 10.1 %
	NCREIF ODCE-EW (Net) 15.1 %	BB US Aggregate 7.0 %	Russell 1000 Value -36.8 %	S&P 500 26.5 %	BB US Corp High Yield 15.1 %	Russell 1000 Value 0.4 %	BB US Corp High Yield 15.8 %	MSCI EAFE (Net) 22.8 %	Russell 2000 4.9 %	Russell 1000 Value -3.8 %	MSCI EM (Net) 11.2 %	Russell 1000 Value 13.7 %	Russell 1000 Value -8.3 %	MSCI EAFE (Net) 22.0 %	MSCI EAFE (Net) 7.8 %
	Russell 2000 Growth 13.3 %	S&P 500 5.5 %	S&P 500 -37.0 %	Russell 2000 Value 20.6 %	NCREIF ODCE-EW (Net) 15.1 %	Russell 2000 Growth -2.9 %	Russell 1000 Growth 15.3 %	NCREIF ODCE-EW (Net) 12.4 %	Russell 2000 Value 4.2 %	Russell 2000 -4.4 %	NCREIF ODCE-EW (Net) 8.4 %	BB Global Agg Ex USD 10.5 %	Russell 2000 Growth -9.3 %	MSCI EM (Net) 18.4 %	BB US Aggregate 7.5 %
	BB US Corp High Yield 11.9 %	BB US Corp High Yield 1.9 %	Russell 1000 Growth -38.4 %	Russell 1000 Value 19.7 %	S&P 500 15.1 %	Russell 2000 -4.2 %	Russell 2000 Growth 14.6 %	BB US Corp High Yield 7.4 %	BB US Corp High Yield 2.5 %	BB US Corp High Yield -4.5 %	Russell 1000 Growth 7.1 %	Russell 2000 Value 7.8 %	Russell 2000 -11.0 %	BB US Corp High Yield 14.3 %	BB US Corp High Yield 7.1 %
	Russell 1000 Growth 9.1 %	Russell 1000 Value -0.2 %	Russell 2000 Growth -38.5 %	BB Global Agg Ex USD 7.5 %	MSCI EAFE (Net) 7.8 %	Russell 2000 Value -5.5 %	NCREIF ODCE-EW (Net) 9.9 %	BB US Aggregate -2.0 %	MSCI EM (Net) -2.2 %	BB Global Agg Ex USD -6.0 %	BB US Aggregate 2.6 %	BB US Corp High Yield 7.5 %	Russell 2000 Value -12.9 %	BB US Aggregate 8.7 %	Russell 2000 Value 4.6 %
	BB Global Agg Ex USD 8.2 %	Russell 2000 -1.6 %	MSCI EAFE (Net) -43.4 %	BB US Aggregate 5.9 %	BB US Aggregate 6.5 %	MSCI EAFE (Net) -12.1 %	BB US Aggregate 4.2 %	MSCI EM (Net) -2.6 %	BB Global Agg Ex USD -3.1 %	Russell 2000 Value -7.5 %	BB Global Agg Ex USD 1.5 %	NCREIF ODCE-EW (Net) 6.9 %	MSCI EAFE (Net) -13.8 %	NCREIF ODCE-EW (Net) 5.2 %	Russell 1000 Value 2.8 %
Worst	BB US Aggregate 4.3 %	Russell 2000 Value -9.8 %	MSCI EM (Net) -53.3 %	NCREIF ODCE-EW (Net) -31.3 %	BB Global Agg Ex USD 4.9 %	MSCI EM (Net) -18.4 %	BB Global Agg Ex USD 4.1 %	BB Global Agg Ex USD -3.1 %	MSCI EAFE (Net) -4.9 %	MSCI EM (Net) -14.9 %	MSCI EAFE (Net) 1.0 %	BB US Aggregate 3.5 %	MSCI EM (Net) -14.6 %	BB Global Agg Ex USD 5.1 %	NCREIF ODCE-EW (Net) 0.8 %

Source: Investment Metrics

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