

Fresno County Employees' Retirement Association

Investment Performance Review

Period Ending: March 31, 2015



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SEATTLE 206-622-3700

LOS ANGELES 310-297-1777

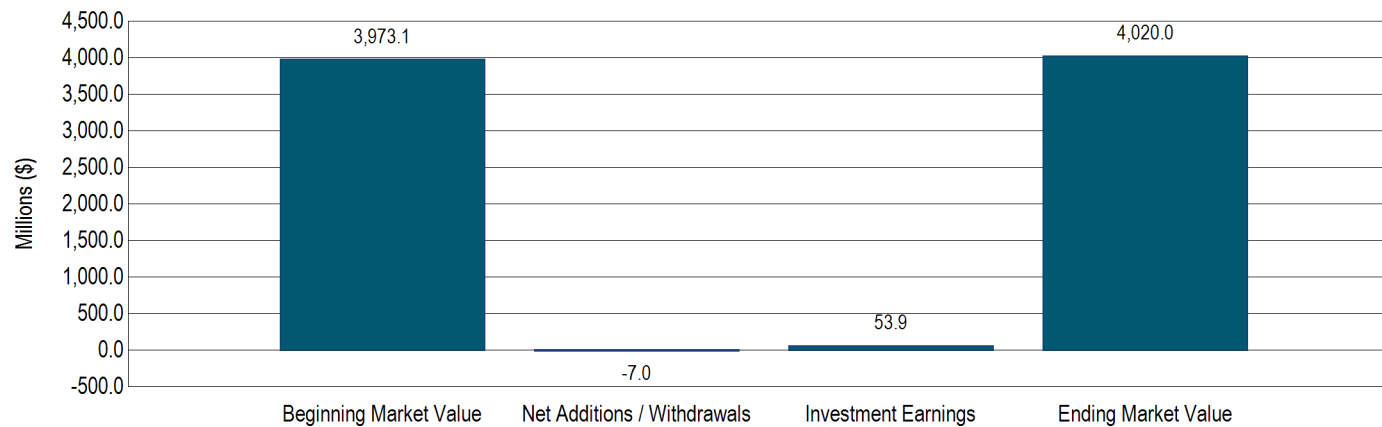
Total Fund Portfolio Reconciliation

Period Ending: March 31, 2015

Portfolio Reconciliation

Sources of Portfolio Growth	Last Three Months	Year-To-Date
Beginning Market Value	\$3,973,072,849	\$3,973,072,849
Net Additions/Withdrawals	-\$7,009,516	-\$7,009,516
Investment Earnings	\$53,890,358	\$53,890,358
Ending Market Value	\$4,019,953,691	\$4,019,953,691

Change in Market Value Last Three Months

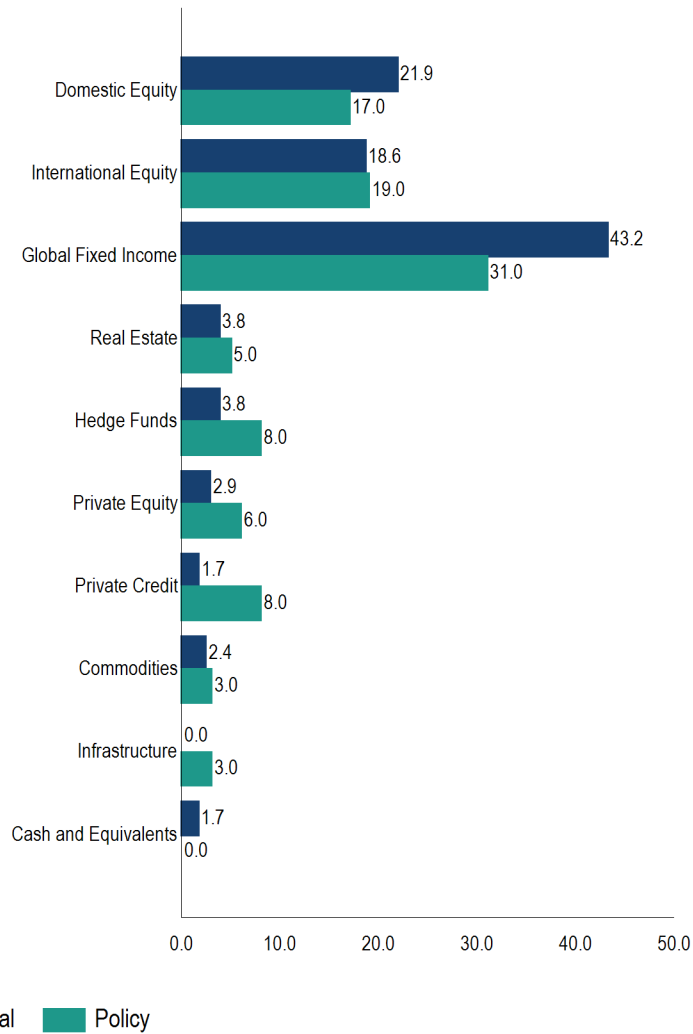


Contributions and withdrawals may include intra-account transfers between managers/funds.

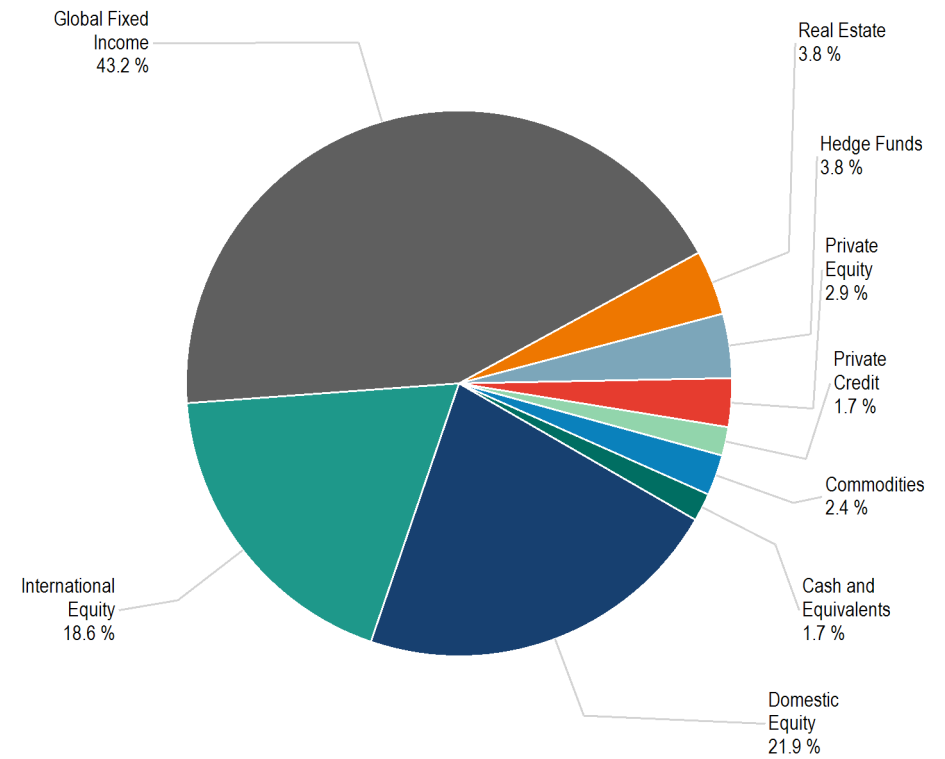
Total Fund Asset Allocation

Period Ending: March 31, 2015

Actual vs Target Allocation (%)



Current Allocation



Total Fund Manager Allocation

Period Ending: March 31, 2015

	Market Value	% of Portfolio
Total Fund	4,019,953,691	100.0
Domestic Equity	880,340,385	21.9
SSgA S&P 500 Flagship Fund	235,217,682	5.9
Waddell & Reed	128,752,287	3.2
Winslow Capital Management	126,111,822	3.1
Aronson Johnson Ortiz	122,613,347	3.1
Wellington Management Large Cap Value	125,265,636	3.1
Systematic Small/Mid Cap Value	73,035,092	1.8
Kalmar Investments Management	69,344,519	1.7
International Equity	748,211,870	18.6
Artisan International Growth	185,444,457	4.6
Research Affiliates International Equity	167,296,283	4.2
Mondrian International Small Cap	120,863,221	3.0
Mondrian Emerging Markets	274,607,909	6.8
Global Fixed Income	1,736,691,371	43.2
Brandywine Global Sovereign	292,569,868	7.3
Western Asset Investment Grade Credit	207,110,866	5.2
Loomis Sayles High Yield	207,955,638	5.2
Eaton Vance Senior Loan Fund	203,375,110	5.1
SSgA TIPS	157,740,995	3.9
Barclays U.S. Aggregate Index Fund	496,411,798	12.3
PIMCO Emerging Local Bond Ins	171,527,097	4.3
Real Estate	154,188,872	3.8
Invesco Core Real Estate	127,511,098	3.2
TA Realty IX	26,677,774	0.7
Hedge Funds	153,257,766	3.8
Grosvenor	153,257,766	3.8
Private Equity	115,553,739	2.9
Landmark Equity XIV, L.P.	18,333,116	0.5
New Mountain Partners III	13,439,492	0.3
Hamilton Lane VI	46,866,915	1.2
WP Private Equity X, L.P.	19,225,942	0.5

	Market Value	% of Portfolio
Blackstone IV	6,000,626	0.1
WP Private Equity VIII, L.P.	8,917,691	0.2
Landmark Equity X, L.P.	1,509,629	0.0
New Mountain Partners, L.P.	464,986	0.0
WP Equity Partners, L.P.	795,342	0.0
Private Credit	67,999,866	1.7
Colony Distressed Credit III, L.P.	5,633,974	0.1
Oaktree Opportunities IX, L.P.	13,675,988	0.3
KKR Mezzanine Partners	22,151,226	0.6
Angelo Gordon VII	12,011,968	0.3
Colony Distressed Credit I, L.P.	13,758,452	0.3
Lone Star Fund IV	193,668	0.0
TCW Shop IV	9,450	0.0
TCW Shop III	565,140	0.0
Commodities	96,839,067	2.4
BlackRock Commodities	96,839,067	2.4
Cash and Equivalents	66,870,755	1.7
Benefits Payment Cash	235,670	0.0
Custodied	10,437,055	0.3
Internal	55,899,119	1.4
Transition	298,912	0.0

Total Fund Executive Summary (Gross of Fees)

Period Ending: March 31, 2015

	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	2014	2013	2012	2011	2010
Total Fund	4,019,953,691	100.0	1.4	3.2	8.7	9.1	7.4	3.8	16.6	13.5	0.1	16.3
Policy Index			0.4	1.1	7.5	8.0	5.9	2.6	15.6	12.3	0.1	13.2
InvestorForce Public DB > \$1B Gross Rank			96	95	78	66	18	93	29	42	76	2
Total Domestic Equity	880,340,385	21.9	3.1	12.2	16.6	15.7	8.5	10.1	37.2	16.1	0.9	20.9
Russell 3000			1.8	12.4	16.4	14.7	8.4	12.6	33.6	16.4	1.0	16.9
eA US All Cap Equity Gross Rank			44	42	43	33	73	50	34	40	37	32
Total International Equity	748,211,870	18.6	1.9	-1.3	8.4	7.4	7.4	-2.1	19.3	19.5	-11.3	14.9
MSCI ACWI ex USA Gross			3.6	-0.6	6.9	5.3	5.9	-3.4	15.8	17.4	-13.3	11.6
eA ACWI ex-US All Cap Equity Gross Rank			94	73	62	60	47	51	51	53	48	52
Total Fixed Income	1,736,691,371	43.2	0.6	3.0	3.9	5.7	6.1	5.1	-0.9	9.9	6.9	11.4
Barclays Aggregate*			-1.9	-3.7	0.0	2.5	4.0	0.0	-2.0	4.2	7.8	6.5
eA Global Fixed Inc Unhedged Gross Rank			45	28	44	35	37	15	55	47	25	22
Total Real Estate	154,188,872	3.8	3.3	14.4	11.6	11.9	8.1	12.9	12.4	8.5	11.1	14.0
NCREIF-ODCE			3.4	13.4	12.7	14.5	7.0	12.5	13.9	10.9	16.0	16.4
Total Hedge Funds	153,257,766	3.8	2.0	4.3	5.6	4.3	--	4.2	9.0	3.5	1.8	2.8
HFRI Fund of Funds Composite Index			2.5	5.4	5.4	3.5	--	3.4	9.0	4.8	-5.7	5.7
Total Commodities	96,839,067	2.4	-5.8	-26.7	-11.1	-5.4	--	-16.7	-9.0	-0.6	-13.2	--
Bloomberg Commodity Index TR USD			-5.9	-27.0	-11.5	-5.7	--	-17.0	-9.5	-1.1	-13.3	--
Total Alternative Illiquids	183,553,605	4.6	0.4	2.6	11.0	10.0	10.6	5.3	19.8	13.2	5.7	11.7
Russell 3000 + 2.5%			2.4	15.1	19.3	17.5	11.1	15.3	36.8	19.3	3.6	19.8
Total Cash	66,870,755	1.7	0.4	0.5	0.3	0.7	1.9	0.1	0.4	0.1	0.4	2.1
91 Day T-Bills			0.0	0.0	0.0	0.1	1.4	0.0	0.0	0.1	0.0	0.1

Policy Index (effective 3/19/2014 Q2 floating policy until rebalance is complete): 20.4% Russell 3000 Index, 43.4% BC Global Aggregate Index, 19% MSCI ACWI ex US, 3.4% Russell 3000 Index + 250 BP, 2% BC Global Agg + 250 BP, 3.8% HFRI FoF Composite, 5% NFI ODCE, & 3% Bloomberg Commodity Index. Composite total market values reflect manager exposures and any underlying cash balances. De-risking of the Plan commenced on April 30, 2014.

*Prior to 3/31/2014 Barclays U.S. Aggregate Index and as of 4/1/2014 Barclays Global Aggregate Index.

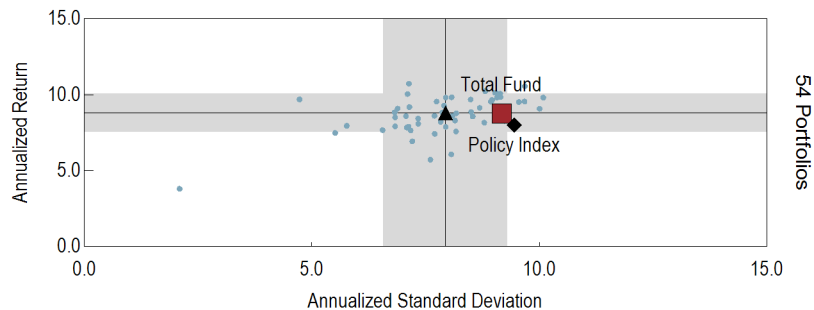
Total Fund

Executive Summary (Net of Fees)

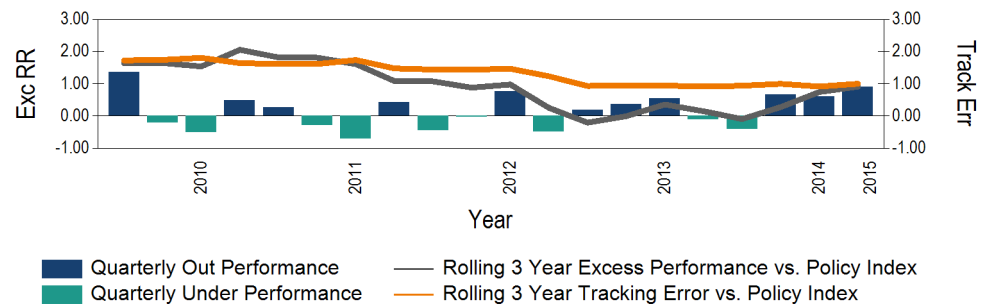
Period Ending: March 31, 2015

	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	2014	2013	2012	2011	2010
Total Fund	4,019,953,691	100.0	1.3	2.9	8.4	8.7	7.1	3.4	16.3	13.1	-0.2	15.9
Policy Index			0.4	1.1	7.5	8.0	5.9	2.6	15.6	12.3	0.1	13.2
Total Domestic Equity	880,340,385	21.9	3.0	11.9	16.3	15.4	--	9.8	36.8	15.8	0.6	20.5
Russell 3000			1.8	12.4	16.4	14.7	--	12.6	33.6	16.4	1.0	16.9
Total International Equity	748,211,870	18.6	1.8	-1.7	7.9	6.9	--	-2.5	18.7	19.0	-11.7	14.2
MSCI ACWI ex USA Gross			3.6	-0.6	6.9	5.3	--	-3.4	15.8	17.4	-13.3	11.6
Total Fixed Income	1,736,691,371	43.2	0.5	2.8	3.6	5.5	--	5.0	-1.1	9.6	6.6	11.1
Barclays Aggregate*			-1.9	-3.7	0.0	2.5	--	0.0	-2.0	4.2	7.8	6.5
Total Real Estate	154,188,872	3.8	3.1	13.6	10.9	11.3	--	12.1	11.8	8.0	10.7	13.5
NCREIF-ODCE			3.4	13.4	12.7	14.5	--	12.5	13.9	10.9	16.0	16.4
Total Hedge Funds	153,257,766	3.8	1.7	3.3	4.5	3.1	3.8	3.1	7.8	2.2	0.4	1.5
HFRI Fund of Funds Composite Index			2.5	5.4	5.4	3.5	3.2	3.4	9.0	4.8	-5.7	5.7
Total Commodities	96,839,067	2.4	-5.9	-27.0	-11.4	-5.6	--	-16.9	-9.4	-0.9	-13.2	--
Bloomberg Commodity Index TR USD			-5.9	-27.0	-11.5	-5.7	--	-17.0	-9.5	-1.1	-13.3	--
Total Alternative Illiquids	183,553,605	4.6	0.3	2.4	10.8	9.8	10.3	5.2	19.6	13.0	5.4	11.4
Russell 3000 + 2.5%			2.4	15.1	19.3	17.5	11.1	15.3	36.8	19.3	3.6	19.8
Total Cash	66,870,755	1.7	0.4	0.5	0.3	0.7	--	0.1	0.4	0.1	0.4	2.1
91 Day T-Bills			0.0	0.0	0.0	0.1	--	0.0	0.0	0.1	0.0	0.1

Annualized Return vs. Annualized Standard Deviation
Total Fund vs. InvestorForce Public DB > \$1B Net Universe



Annualized Excess Performance and Tracking Error



Policy Index (effective 3/19/2014 Q2 floating policy until rebalance is complete): 20.4% Russell 3000 Index, 43.4% BC Global Aggregate Index, 19% MSCI ACWI ex US, 3.4% Russell 3000 Index + 250 BP, 2% BC Global Agg + 250 BP, 3.8% HFRI FoF Composite, 5% NFI ODCE, & 3% Bloomberg Commodity Index. Composite total market values reflect manager exposures and any underlying cash balances. De-risking of the Plan commenced on April 30, 2014.

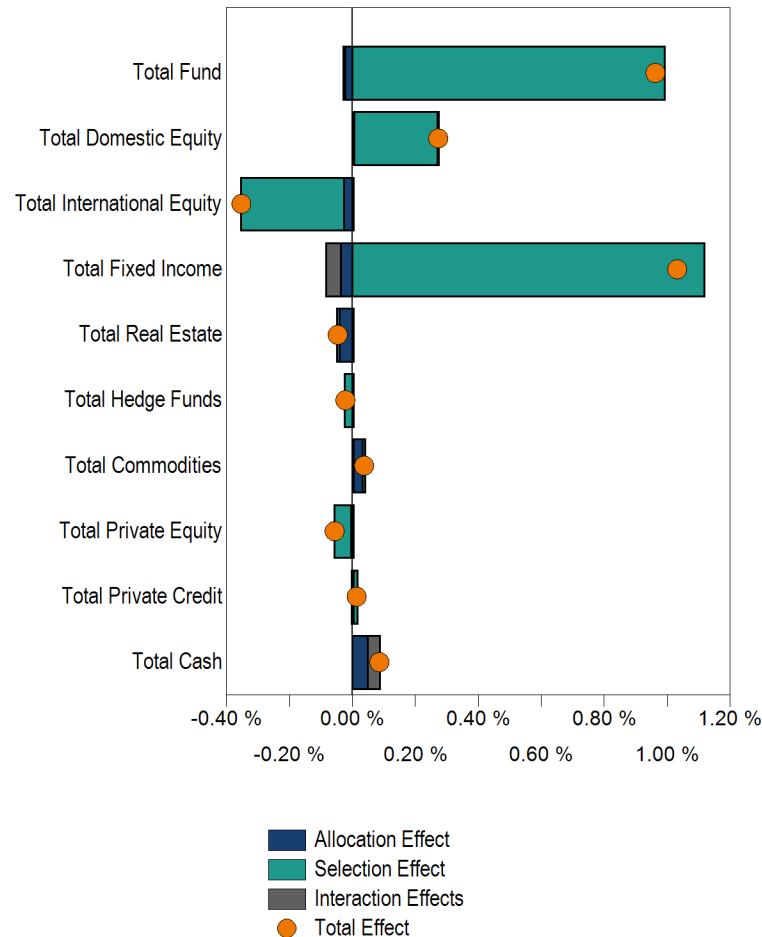
*Prior to 3/31/2014 Barclays U.S. Aggregate Index and as of 4/1/2014 Barclays Global Aggregate Index.

Total Fund

Attribution Analysis - Asset Class Level (Gross of Fees)

Period Ending: March 31, 2015

Attribution Effects
Last Three Months



Performance Attribution

	Quarter
Wtd. Actual Return	1.37%
Wtd. Index Return *	0.41%
Excess Return	0.96%
Selection Effect	0.99%
Allocation Effect	-0.02%
Interaction Effect	0.00%

*Calculated from benchmark returns and weightings of each component.

Attribution Summary
Last Three Months

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	Total Effects
Total Domestic Equity	3.10%	1.80%	1.30%	0.26%	0.01%	0.00%	0.27%
Total International Equity	1.88%	3.59%	-1.71%	-0.33%	-0.03%	0.00%	-0.35%
Total Fixed Income	0.60%	-1.92%	2.52%	1.12%	-0.04%	-0.04%	1.03%
Total Real Estate	3.27%	3.40%	-0.13%	-0.01%	-0.04%	0.00%	-0.05%
Total Hedge Funds	1.95%	2.52%	-0.57%	-0.02%	0.00%	0.00%	-0.02%
Total Commodities	-5.80%	-5.94%	0.14%	0.00%	0.03%	0.00%	0.04%
Total Private Equity	1.08%	2.43%	-1.35%	-0.05%	-0.01%	0.00%	-0.06%
Total Private Credit	-0.73%	-1.31%	0.58%	0.01%	0.00%	0.00%	0.01%
Total Cash	0.43%	0.00%	0.43%	0.00%	0.05%	0.04%	0.09%
Total	1.37%	0.41%	0.96%	0.99%	-0.02%	0.00%	0.96%

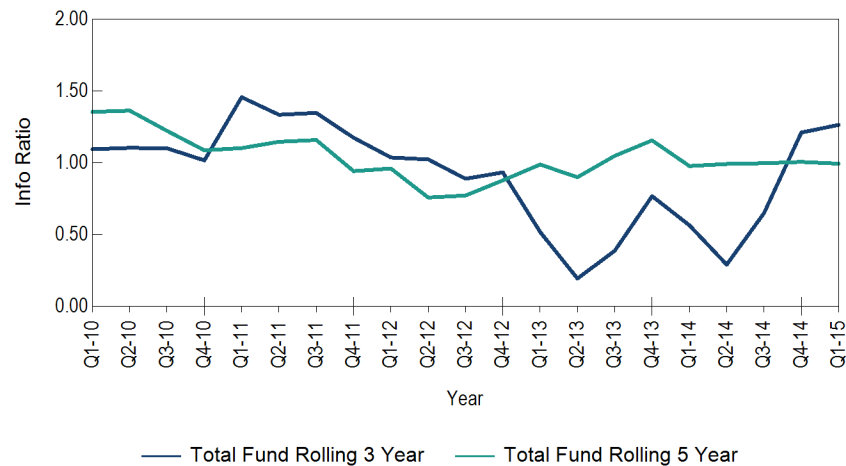
Weighted returns shown in attribution analysis may differ from actual returns.

Total Fund Risk Analysis - 5 Years (Gross of Fees)

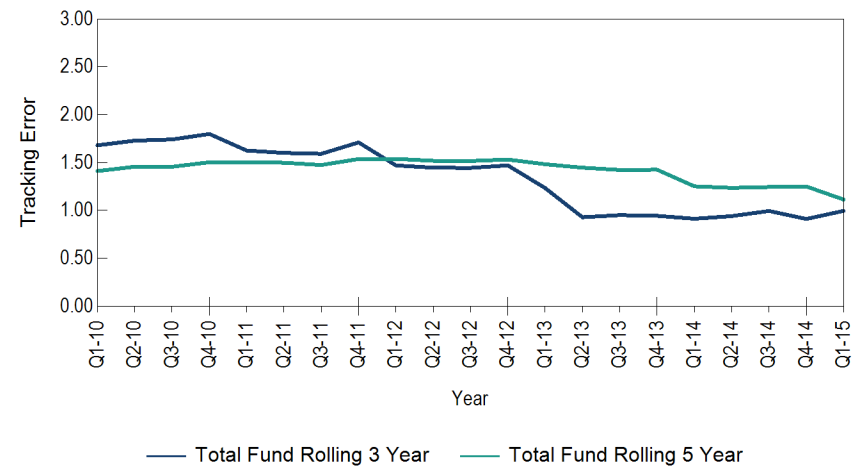
Period Ending: March 31, 2015

	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Total Fund	9.18%	1.38%	0.97	0.99	105.50%	89.13%	0.99	1.11%	0.98	1.22
Total Domestic Equity	15.93%	0.26%	1.05	0.99	109.66%	104.36%	0.49	2.01%	0.98	1.13
Total International Equity	15.68%	2.55%	0.92	0.98	101.22%	86.49%	0.89	2.41%	0.47	0.63
Total Domestic Fixed Income	3.15%	3.10%	0.72	0.48	131.25%	47.97%	0.77	2.43%	1.97	2.10
Total Real Estate	2.60%	4.46%	0.52	0.12	78.13%	--	-1.00	2.59%	4.56	--
Total Hedge Funds	2.39%	3.10%	0.35	0.47	72.62%	5.73%	0.24	3.48%	1.78	10.35
Total Alternative Illiquids	6.36%	5.35%	0.27	0.40	34.65%	20.41%	-0.62	12.14%	1.57	2.07

Rolling Information Ratio



Rolling Tracking Error



Total Fund (Historical)

Risk Analysis by Manager - 5 Years (Gross of Fees)

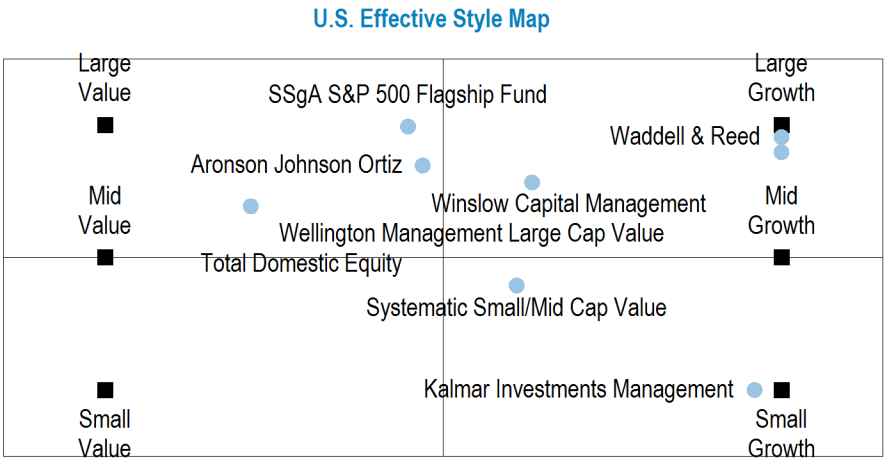
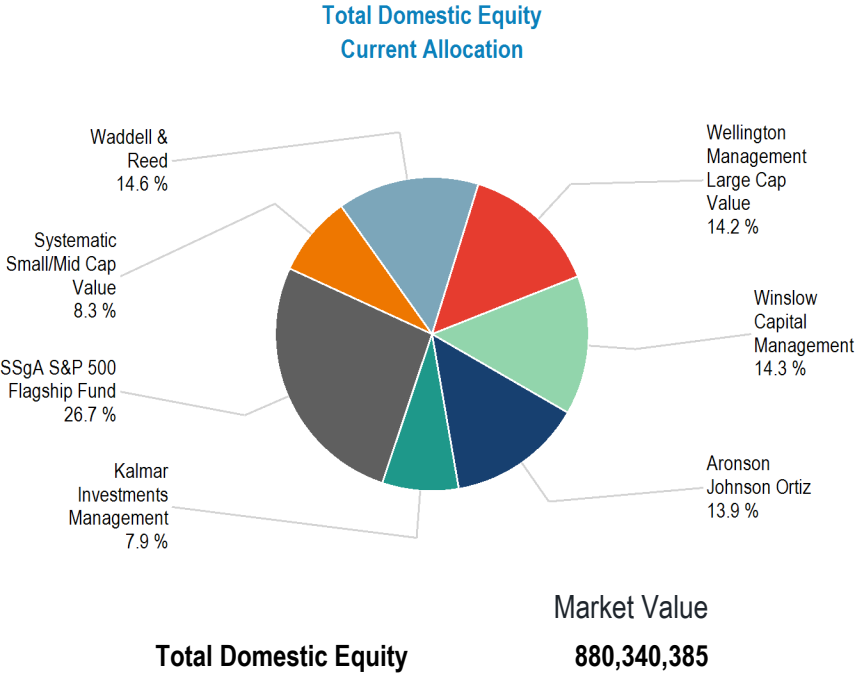
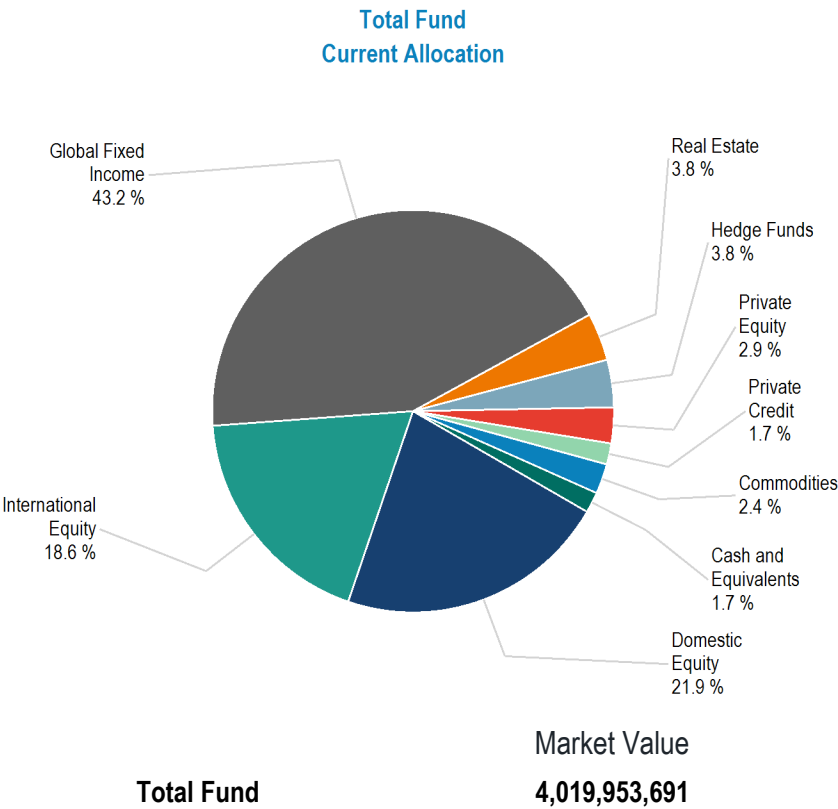
Period Ending: March 31, 2015

	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
SSgA S&P 500 Flagship Fund	14.45%	0.02%	1.00	1.00	100.17%	99.97%	1.21	0.02%	1.00	1.11
Waddell & Reed	15.45%	-0.45%	1.02	0.98	102.47%	105.54%	-0.05	2.36%	1.00	1.28
Winslow Capital Management	17.46%	-2.48%	1.15	0.98	111.16%	118.80%	-0.02	3.51%	0.89	1.21
Aronson Johnson Ortiz	15.43%	1.74%	1.01	0.97	107.07%	89.55%	0.75	2.55%	1.01	1.20
Wellington Management Large Cap Value	16.77%	0.48%	1.10	0.98	119.75%	108.37%	0.64	2.95%	0.93	0.97
Systematic Small/Mid Cap Value	19.88%	-0.62%	1.10	0.97	114.08%	109.21%	0.22	3.79%	0.75	0.83
Kalmar Investments Management	18.65%	1.29%	0.94	0.95	92.31%	88.19%	0.06	4.40%	0.90	1.26
Artisan International Growth	16.75%	5.33%	0.96	0.94	119.10%	80.62%	1.22	4.15%	0.70	0.82
Research Affiliates International Equity	18.22%	-0.01%	1.06	0.97	106.72%	102.83%	0.11	3.50%	0.38	0.54
Mondrian International Small Cap	16.08%	3.96%	0.84	0.92	92.68%	76.11%	0.48	5.41%	0.69	0.90
Mondrian Emerging Markets	16.59%	1.70%	0.89	0.92	85.96%	81.75%	0.29	5.01%	0.21	0.33
Western Asset Investment Grade Credit	3.79%	1.08%	0.96	0.91	109.59%	82.52%	0.73	1.12%	1.84	2.48
Loomis Sayles High Yield	7.83%	-0.26%	1.20	0.88	123.64%	120.30%	0.50	2.99%	1.28	1.28
Eaton Vance Senior Loan Fund	2.87%	1.23%	0.76	0.97	89.66%	55.46%	0.00	1.03%	1.75	2.57
SSgA TIPS	5.37%	-0.02%	1.00	1.00	99.68%	100.05%	-0.78	0.03%	0.78	0.82
PIMCO Emerging Local Bond Ins	10.40%	0.05%	0.99	0.98	102.27%	101.21%	0.03	1.32%	0.07	0.13
Invesco Core Real Estate	3.10%	-7.47%	1.51	0.69	99.00%	--	-0.06	1.92%	4.63	--
Grosvenor	4.87%	3.27%	0.97	0.87	144.32%	63.09%	1.79	1.77%	1.36	1.43

Manager risk analysis statistics are run against historical composite returns prior to manager since inception.

Total Domestic Equity Performance Summary (Gross of Fees)

Period Ending: March 31, 2015



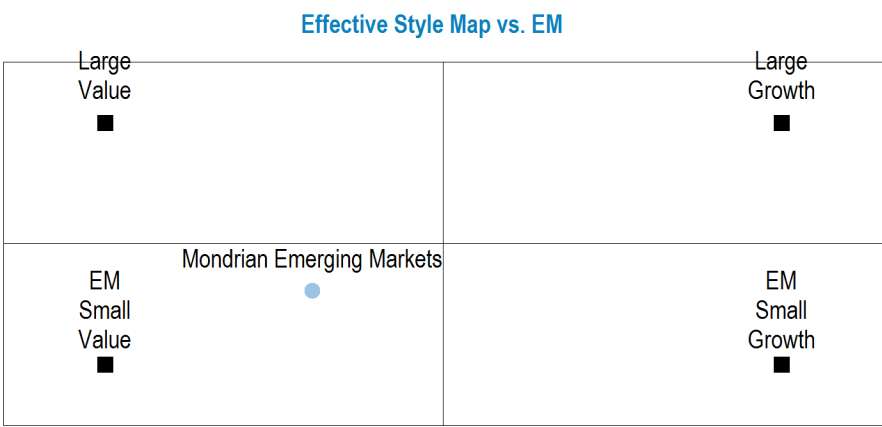
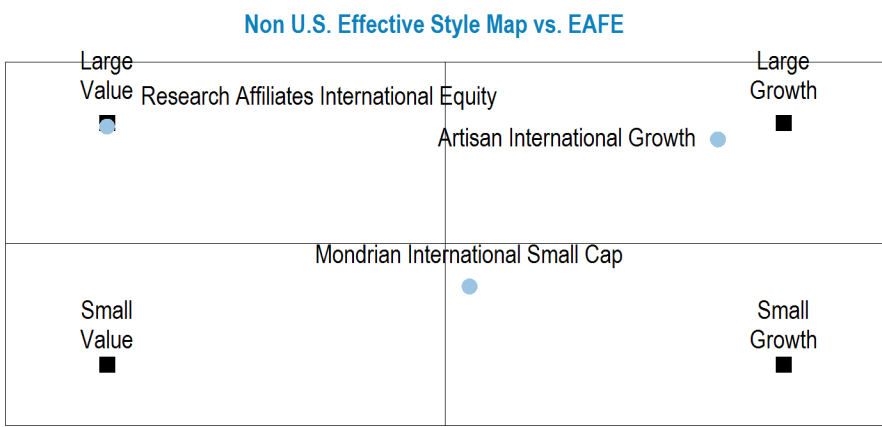
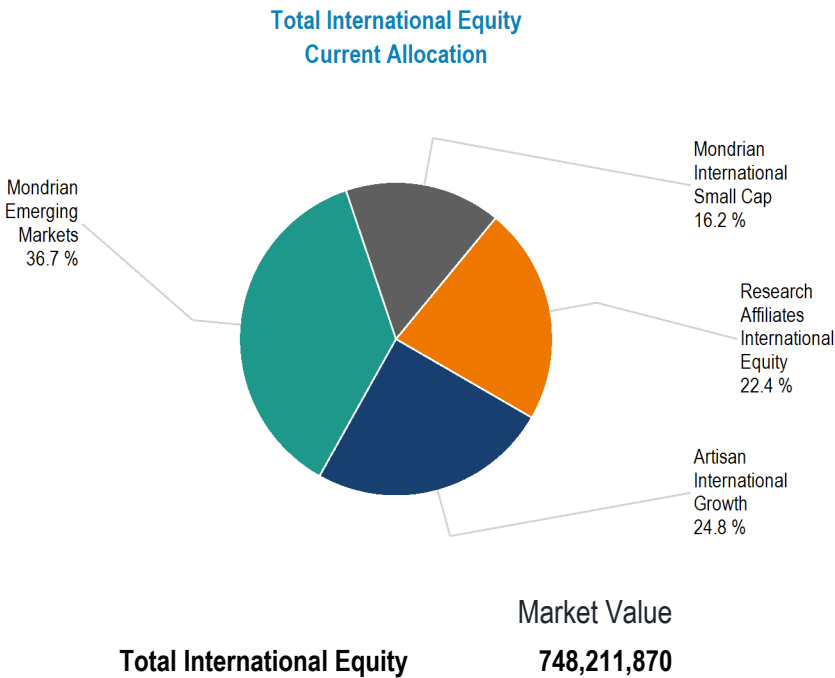
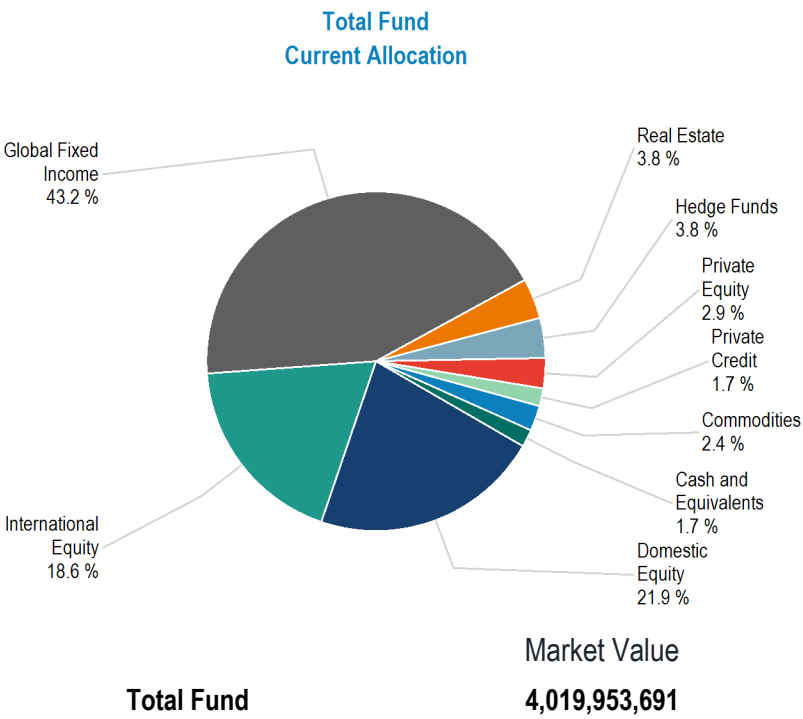
Total Domestic Equity Performance Summary (Gross of Fees)

Period Ending: March 31, 2015

	Market Value	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	2014	2013	2012	2011	2010	Return	Since
Domestic Equity	880,340,385												
SSgA S&P 500 Flagship Fund	235,217,682	0.9	12.8	16.1	14.5	8.1	13.7	32.4	16.0	2.1	15.1	8.0	3/23/04
S&P 500		1.0	12.7	16.1	14.5	8.0	13.7	32.4	16.0	2.1	15.1	7.9	3/23/04
eA US Large Cap Equity Gross Rank		67	47	52	52	75	35	61	44	33	46		
Waddell & Reed	128,752,287	5.1	18.3	17.2	--	--	13.0	37.0	12.5	3.0	--	16.1	12/17/10
Russell 1000 Growth		3.8	16.1	16.3	--	--	13.0	33.5	15.3	2.6	--	15.6	12/17/10
eA US Large Cap Growth Equity Gross Rank		26	21	31	--	--	39	28	84	20	--		
Winslow Capital Management	126,111,822	3.3	16.4	15.5	--	--	11.4	38.0	14.1	0.6	--	15.3	12/17/10
Russell 1000 Growth		3.8	16.1	16.3	--	--	13.0	33.5	15.3	2.6	--	15.6	12/17/10
eA US Large Cap Growth Equity Gross Rank		61	39	60	--	--	57	19	68	40	--		
Aronson Johnson Ortiz	122,613,347	2.8	10.5	17.6	15.7	8.3	10.0	38.4	17.4	2.7	16.1	11.4	12/4/95
Russell 1000 Value		-0.7	9.3	16.4	13.8	7.2	13.5	32.5	17.5	0.4	15.5	9.1	12/4/95
eA US Large Cap Value Equity Gross Rank		9	42	27	16	53	81	17	32	30	27		
Wellington Management Large Cap Value	125,265,636	2.4	12.5	18.7	15.6	8.4	14.1	35.8	20.6	-1.2	16.9	7.9	4/30/00
Russell 1000 Value		-0.7	9.3	16.4	13.8	7.2	13.5	32.5	17.5	0.4	15.5	6.7	4/30/00
eA US Large Cap Value Equity Gross Rank		12	17	15	16	50	22	34	8	66	20		
Systematic Small/Mid Cap Value	73,035,092	6.1	7.9	16.6	--	--	4.4	37.5	18.1	-4.4	--	15.7	10/8/10
Russell 2500 Value		3.0	6.6	16.3	--	--	7.1	33.3	19.2	-3.4	--	15.2	10/8/10
eA US Small-Mid Cap Value Equity Gross Rank		15	56	48	--	--	69	38	35	70	--		
Kalmar Investments Management	69,344,519	5.3	3.6	13.9	16.8	10.4	-4.5	44.9	14.8	1.7	37.3	10.2	11/30/04
Russell 2000 Growth		6.6	12.1	17.7	16.6	10.0	5.6	43.3	14.6	-2.9	29.1	9.4	11/30/04
eA US Small Cap Growth Equity Gross Rank		68	89	83	56	58	89	56	44	32	10		

Total International Equity Performance Summary (Gross of Fees)

Period Ending: March 31, 2015



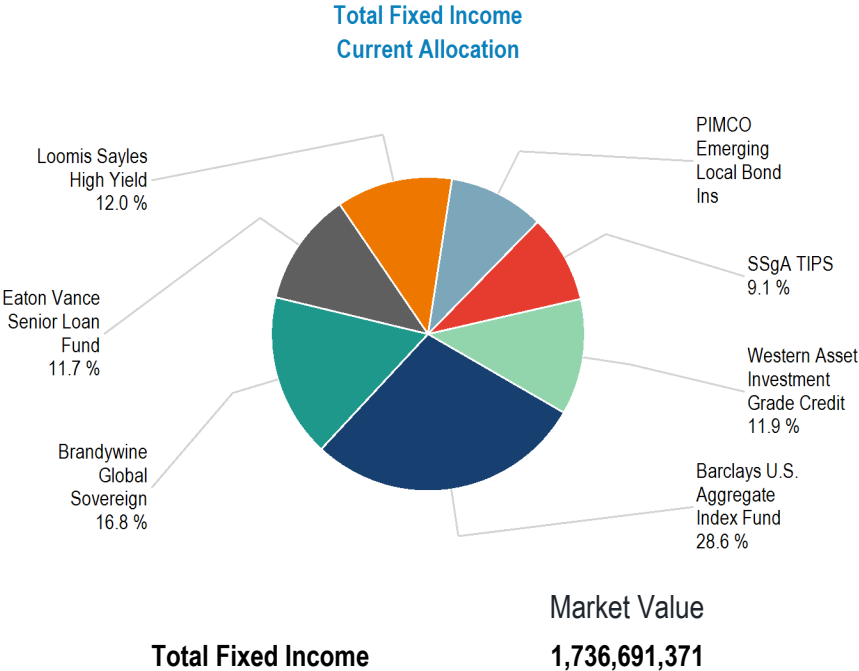
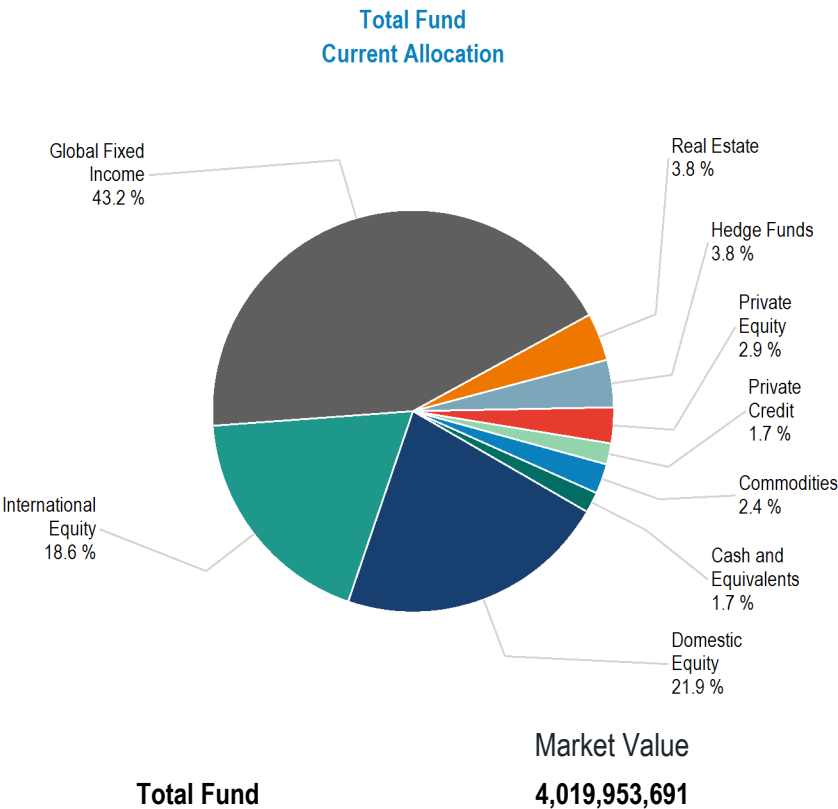
Total International Equity
Performance Summary (Gross of Fees)

Period Ending: March 31, 2015

	Market Value	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	2014	2013	2012	2011	2010	Return	Since
International Equity	748,211,870												
Artisan International Growth	185,444,457	4.3	6.3	--	--	--	0.7	--	--	--	--	12.0	4/1/13
MSCI EAFE		4.9	-0.9	--	--	--	-4.9	--	--	--	--	7.9	4/1/13
eA EAFE All Cap Equity Gross Rank		67	5	--	--	--	12	--	--	--	--		
Research Affiliates International Equity	167,296,283	2.6	-5.4	10.6	--	--	-5.5	29.2	18.7	--	--	4.4	4/29/11
MSCI EAFE		4.9	-0.9	9.0	--	--	-4.9	22.8	17.3	--	--	3.7	4/29/11
eA EAFE All Cap Equity Gross Rank		93	94	46	--	--	74	13	63	--	--		
Mondrian International Small Cap	120,863,221	2.7	-4.1	8.6	11.1	--	-4.2	18.1	25.5	-8.1	30.3	12.0	11/2/09
S&P Developed Ex-U.S. SmallCap		4.4	-2.8	9.9	8.5	--	-3.4	26.1	18.6	-14.5	22.0	9.3	11/2/09
eA EAFE All Cap Equity Gross Rank		92	88	76	9	--	63	93	9	19	1		
Mondrian Emerging Markets	274,607,909	-0.4	-1.2	0.2	3.6	--	0.7	-6.4	23.1	-11.2	18.4	7.7	11/17/05
MSCI Emerging Markets		2.2	0.4	0.3	1.7	--	-2.2	-2.6	18.2	-18.4	18.9	6.9	11/17/05
eA Emg Mkts Equity Gross Rank		85	73	80	47	--	41	96	24	6	70		

Total Fixed Income Performance Summary (Gross of Fees)

Period Ending: March 31, 2015



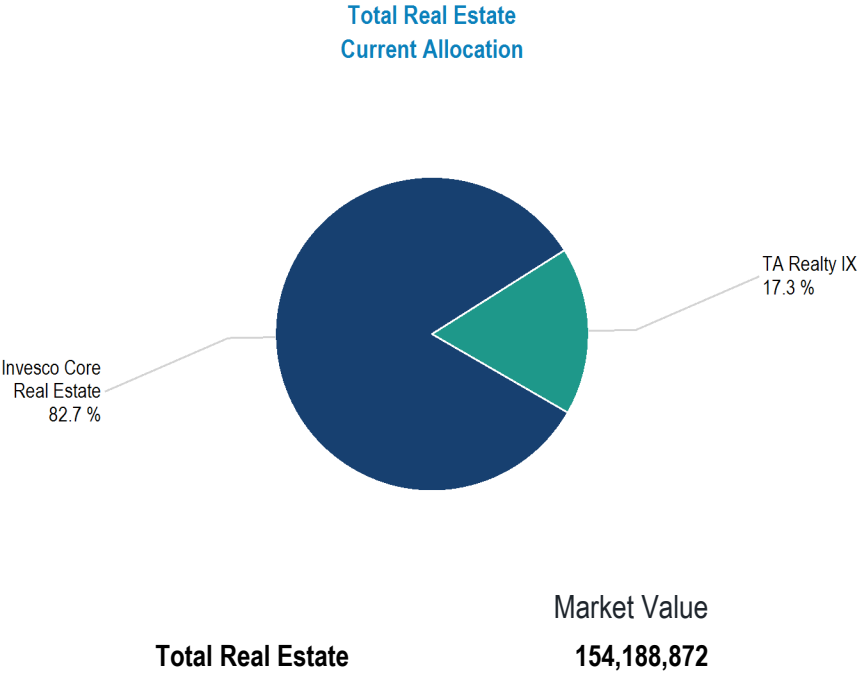
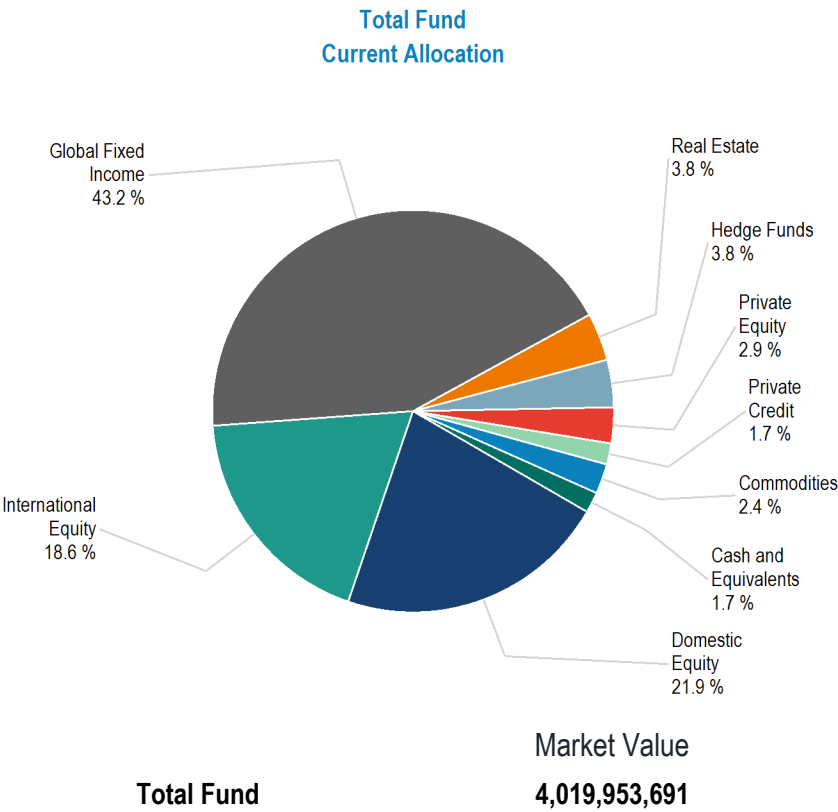
Total Fixed Income
Performance Summary (Gross of Fees)

Period Ending: March 31, 2015

	Market Value	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	2014	2013	2012	2011	2010	Return	Since
Domestic Fixed Income	861,263,659												
Western Asset Investment Grade Credit	207,110,866	2.4	--	--	--	--	--	--	--	--	--	4.3	10/1/14
Barclays Credit		2.2	--	--	--	--	--	--	--	--	--	4.0	10/1/14
eA All US Fixed Inc Gross Rank		20	--	--	--	--	--	--	--	--	--		
SSgA TIPS	157,740,995	1.4	3.1	0.6	4.3	--	3.6	-8.6	6.9	13.5	6.3	5.5	2/27/09
Barclays US TIPS		1.4	3.1	0.6	4.3	--	3.6	-8.6	7.0	13.6	6.3	5.5	2/27/09
eA TIPS / Infl Indexed Fixed Inc Gross Rank		54	46	66	61	--	44	77	67	51	63		
Barclays U.S. Aggregate Index Fund	496,411,798	1.6	--	--	--	--	--	--	--	--	--	4.9	4/30/14
Barclays Aggregate		1.6	--	--	--	--	--	--	--	--	--	4.8	4/30/14
eA US Passive Fixed Inc Gross Rank		36	--	--	--	--	--	--	--	--	--		
Domestic Fixed Income High Yield	207,955,638												
Loomis Sayles High Yield	207,955,638	1.8	--	--	--	--	--	--	--	--	--	1.9	10/1/14
Barclays High Yield		2.5	--	--	--	--	--	--	--	--	--	1.5	10/1/14
eA US High Yield Fixed Inc Gross Rank		87	--	--	--	--	--	--	--	--	--		
Domestic Fixed Income Bank Loans	203,375,110												
Eaton Vance Senior Loan Fund	203,375,110	2.0	--	--	--	--	--	--	--	--	--	2.0	10/1/14
S&P/LSTA Leveraged Loan Index		2.1	--	--	--	--	--	--	--	--	--	1.6	10/1/14
eA Float-Rate Bank Loan Gross Rank		77	--	--	--	--	--	--	--	--	--		
International Fixed Income	171,527,097												
PIMCO Emerging Local Bond Ins	171,527,097	-3.9	-10.7	--	--	--	-5.0	--	--	--	--	-6.4	7/31/13
JP Morgan GBI EM Diversified		-4.0	-11.1	--	--	--	-5.7	--	--	--	--	-6.7	7/31/13
eA Emg Mkt Fixed Inc Unhedged Gross Rank		82	88	--	--	--	82	--	--	--	--		
Global Fixed Income	292,569,868												
Brandywine Global Sovereign	292,569,868	--	--	--	--	--	--	--	--	--	--	-2.4	1/31/15
Citi WGBI		--	--	--	--	--	--	--	--	--	--	-2.2	1/31/15
eA All Global Fixed Inc Gross Rank		--	--	--	--	--	--	--	--	--	--		

Total Real Estate
Performance Summary (Gross of Fees)

Period Ending: March 31, 2015



Total Real Estate Performance Summary

Period Ending: March 31, 2015

	Market Value	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	2014	2013	2012	2011	2010	Return	Since
Real Estate	154,188,872												
Invesco Core Real Estate	127,511,098	3.3	14.1	12.3	14.4	--	12.4	14.2	8.7	16.9	16.7	3.5	10/1/07
NCREIF-ODCE		3.4	13.4	12.7	14.5	--	12.5	13.9	10.9	16.0	16.4	3.0	10/1/07

Real Estate - Closed End Funds										
Inception Date	Manager Name/Fund Name	Total Commitment	Contributions	Distributions	Market Value	One Quarter Return	One Year Return	Three Years Return	Five Years Return	(IRR) Since Inception
2009	TA Realty IX*	\$30,000,000	\$30,000,000	\$16,311,305	\$26,677,774	3.8%	19.3%	N/A	N/A	23.7%

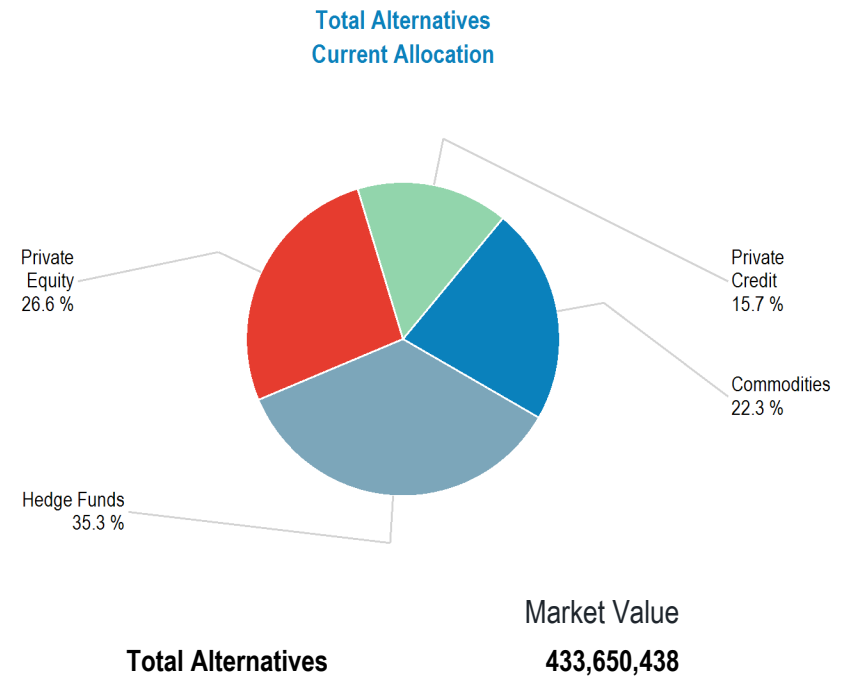
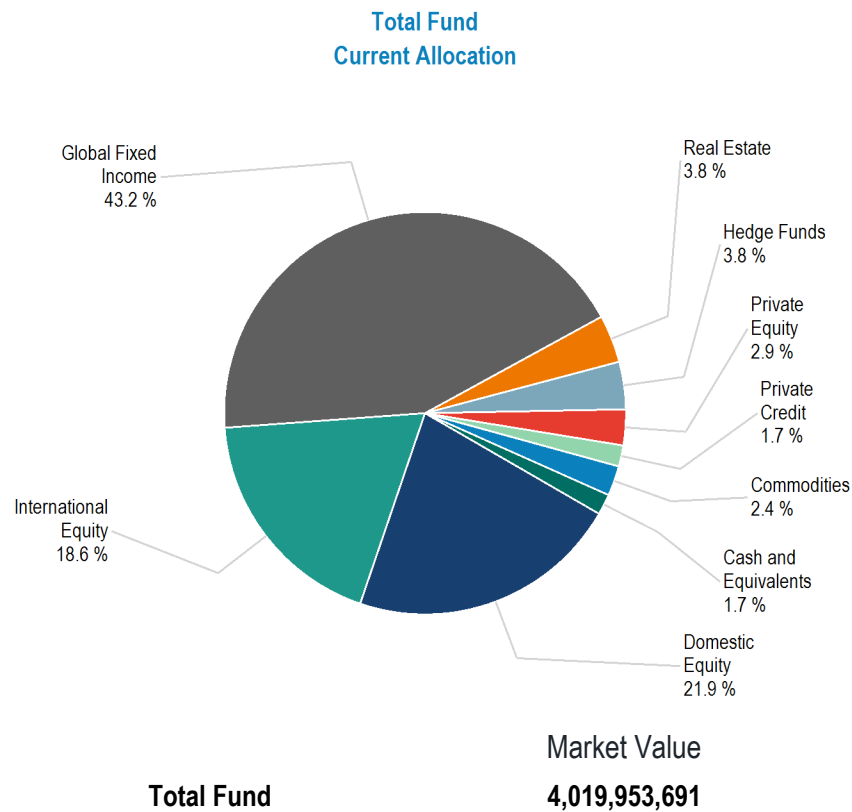
% of Total Fund (Market Value)

0.7%

*Balance, performance, and IRR as of 3/31/2015.

Total Alternatives
Performance Summary (Gross of Fees)

Period Ending: March 31, 2015



Total Liquid Alternatives
Performance Summary (Gross of Fees)

Period Ending: March 31, 2015

	Market Value	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	2014	2013	2012	2011	2010	Return	Since
Hedge Funds	153,257,766												
Grosvenor	153,257,766	1.9	4.5	9.1	6.7	--	4.3	16.3	9.7	-2.6	7.6	5.7	10/31/09
HFRI Fund of Funds Composite Index		2.5	5.4	5.4	3.5	--	3.4	9.0	4.8	-5.7	5.7	3.8	10/31/09
Commodities	96,839,067												
BlackRock Commodities	96,839,067	-5.8	-26.7	-11.1	-5.4	--	-16.7	-9.0	-0.6	-13.2	--	-5.6	3/31/10
Bloomberg Commodity Index TR USD		-5.9	-27.0	-11.5	-5.7	--	-17.0	-9.5	-1.1	-13.3	--	-5.7	3/31/10

Common Sense fully liquidated on 12/31/2014.

Total Alternative Illiquids Non Marketable Securities Overview

Period Ending: March 31, 2015

			Verus Internal Analysis							Manager Reported		
Vintage Year	Manager Name/Fund Name	Estimated Market Value as of 3/31/15 ³	Total Commitment	Capital Called	% Called	Remaining Commitment	Capital Returned	Distrib./ Paid-In (DPI) ¹	Tot. Value/ Paid-In (TVPI) ²	Market Value as of IRR Date	Net IRR Since Inception ⁶	IRR Date
Private Equity												
2008	Landmark Equity XIV, L.P.	\$18,333,116	\$30,000,000	\$26,930,063	90%	\$3,069,937	\$17,966,002	66.7%	134.8%	\$20,696,759	17.5%	09/30/14
2007	New Mountain Partners III	\$13,439,492	\$15,000,000	\$14,601,945	97%	\$398,055 ⁷	\$5,751,348	39.4%	131.4%	\$13,439,492	8.3%	12/31/14
2007	Hamilton Lane VI	\$46,866,915	\$70,000,000	\$60,965,305	87%	\$9,034,695	\$43,306,408	71.0%	147.9%	\$46,866,915	9.5%	03/31/15
2007	WP Private Equity X, L.P.	\$19,225,942	\$25,000,000	\$25,000,000	100%	\$0	\$17,027,727	68.1%	145.0%	\$19,225,942	8.8%	03/31/15
2002	Blackstone IV	\$6,000,626	\$20,000,000	\$22,327,765	112%	\$0 ⁸	\$46,393,482	207.8%	234.7%	\$6,000,626	30.0%	03/31/15
2001	WP Private Equity VIII, L.P.	\$8,917,691	\$25,000,000	\$25,000,000	100%	\$0	\$49,737,555	199.0%	234.6%	\$8,917,691	15.1%	03/31/15
2000	Landmark Equity X, L.P.	\$1,509,629	\$20,000,000	\$19,009,543	95%	\$990,457	\$21,473,399	113.0%	120.9%	\$1,820,762	4.3%	09/30/14
1999	New Mountain Partners, L.P.	\$464,986	\$20,000,000	\$19,534,686	98%	\$465,314 ⁹	\$26,966,378	138.0%	140.4%	\$464,986	12.2%	12/31/14
1998	WP Equity Partners, L.P. ¹⁰	\$795,342	\$20,000,000	\$20,000,000	100%	\$0	\$32,056,827	160.3%	164.3%	\$795,342	10.2%	03/31/15
Private Credit												
2014	Colony Distressed Credit III, L.P.	\$5,633,974	\$20,000,000	\$6,716,197	34%	\$13,283,803	\$1,338,882	19.9%	103.8%		N/A	
2012	Oaktree Opportunities IX, L.P.	\$13,675,988	\$15,000,000	\$13,500,000	90%	\$1,500,000	\$0	0.0%	101.3%	\$13,675,988	1.3%	03/31/15
2010	KKR Mezzanine Partners	\$22,151,226	\$30,000,000	\$28,941,685	96%	\$1,058,315 ¹¹	\$12,416,014	42.9%	119.4%	\$21,122,309	10.2%	12/31/14
2010	Angelo Gordon VII	\$12,011,968	\$30,000,000	\$30,000,000	100%	\$0	\$26,343,070	87.8%	127.9%	\$12,011,968	6.6%	03/31/15
2009	Colony Distressed Credit I, L.P. ¹²	\$13,758,452	\$40,000,000	\$44,487,400	111%	\$0	\$51,612,762	116.0%	146.9%	\$18,572,200	18.2%	12/31/14
2002	Lone Star Fund IV	\$193,668	\$20,000,000	\$19,045,199	95%	\$954,801	\$43,786,403	229.9%	230.9%	\$356,814	30.7%	12/31/14
2002	TCW Shop IV	\$9,450	\$15,000,000	\$22,661,307	151%	\$0	\$27,613,153	121.9%	121.9%	\$9,450	6.0%	12/31/14
1998	TCW Shop III	\$565,140	\$15,000,000	\$15,000,000	100%	\$0	\$17,925,302	119.5%	123.3%	\$565,140	3.4%	12/31/13

Total Alternative Illiquids **\$183,553,605** \$430,000,000 \$413,721,094 96% \$30,755,377 \$441,714,711 106.8% 151.1%

% of Portfolio (Market Value) **4.6%**

¹(DPI) is equal to (capital returned / capital called)

²(TVPI) is equal to (market value + capital returned) / capital called

³Last known market value + capital calls - distributions

⁴IRR currently unavailable for these funds.

⁵Investment period ended, no further capital to be called.

⁶Gross IRR is calculated on the cash flows of the underlying investments of the fund and is net of the underlying fund fees and carried interest.

⁷Net IRR is calculated on the cash flows of all the limited partners of the fund and is net of all fees. Each IRR figure is provided by its respective manager.

⁸\$1,366,953 capital returned but subject to recall

⁹\$2,996,127 capital returned but subject to recall

¹⁰\$2,338,987 capital returned but subject to recall

¹¹On June 11, 2012 \$1,029,076 was transferred from the Partnership to a Liquidation Trust.

¹²\$4,572,255 capital returned but subject to recall and \$879,385 return of unused capital subject to recall

¹³Balance, performance, and IRR as of 6/30/2014. Colony Capital reflects a FCERA-specific IRR.

BCI Growth V, L.P. was fully liquidated on 12/31/2013.

Total Fund Investment Fund Fee Analysis

Period Ending: March 31, 2015

Account	Fee Schedule	Market Value As of 3/31/2015	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
SSgA S&P 500 Flagship Fund	0.03% of First \$150.0 Mil, 0.02% Thereafter	\$235,217,682	\$60,339	0.03%
Waddell & Reed	0.25% of Assets	\$128,752,287	\$321,881	0.25%
Winslow Capital Management	0.25% of Assets	\$126,111,822	\$315,280	0.25%
Aronson Johnson Ortiz	0.30% of Assets	\$122,613,347	\$367,840	0.30%
Wellington Management Large Cap Value	0.32% of First \$250.0 Mil, 0.30% Thereafter	\$125,265,636	\$400,850	0.32%
Systematic Small/Mid Cap Value	0.35% of Assets	\$73,035,092	\$255,623	0.35%
Kalmar Investments Management	1.00% of First \$10.0 Mil, 0.88% of Next \$10.0 Mil, 0.75% Thereafter	\$69,344,519	\$557,584	0.80%
Artisan International Growth	0.30% of Assets	\$185,444,457	\$556,333	0.30%
Research Affiliates International Equity	0.12% of Assets	\$167,296,283	\$200,756	0.12%
Mondrian International Small Cap	0.85% of First \$25.0 Mil, 0.65% of Next \$50.0 Mil, 0.63% of Next \$50.0 Mil, 0.60% Thereafter	\$120,863,221	\$824,145	0.68%
Mondrian Emerging Markets	1.00% of First \$25.0 Mil, 0.75% of Next \$50.0 Mil, 0.60% Thereafter	\$274,607,909	\$1,822,647	0.66%
Brandywine Global Sovereign	0.36% of Assets	\$292,569,868	\$1,053,252	0.36%
Western Asset Investment Grade Credit	0.30% of First \$100.0 Mil, 0.15% Thereafter	\$207,110,866	\$460,666	0.22%
Loomis Sayles High Yield	0.50% of Assets	\$207,955,638	\$1,039,778	0.50%

This fee analysis only reflects base fees for investment management, does not incorporate performance-based fees, and excludes fees paid to real estate and private equity managers. Real estate and private equity fees have other components which cannot be easily captured in this simplified format.

** Managers with incentive fee: Waddell, Winslow, Systematic, Research Affiliates, Western Asset, Artisan, and Brandywine.*

*** Loomis, Western Asset, and Brandywine have performance based fees not included in the fee analysis.*

**** Research Affiliates and Artisan fee schedule effective as of April 1, 2013.*

Total Fund Investment Fund Fee Analysis

Period Ending: March 31, 2015

Account	Fee Schedule	Market Value As of 3/31/2015	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Eaton Vance Senior Loan Fund	0.55% of First \$50.0 Mil, 0.50% of Next \$50.0 Mil, 0.40% Thereafter	\$203,375,110	\$938,500	0.46%
SSgA TIPS	0.04% of Assets	\$157,740,995	\$63,096	0.04%
Barclays U.S. Aggregate Index Fund	0.02% of Assets	\$496,411,798	\$99,282	0.02%
PIMCO Emerging Local Bond Ins	0.50% of First \$100.0 Mil, 0.45% Thereafter	\$171,527,097	\$821,872	0.48%
Grosvenor	1.15% of First \$25.0 Mil, 1.00% of Next \$25.0 Mil, 0.80% of Next \$50.0 Mil, 0.60% Thereafter	\$153,257,766	\$1,257,047	0.82%
BlackRock Commodities	0.30% of Assets	\$96,839,067	\$290,517	0.30%
Investment Management Fee		\$3,615,340,459	\$17,032,289	0.47%

This fee analysis only reflects base fees for investment management, does not incorporate performance-based fees, and excludes fees paid to real estate and private equity managers. Real estate and private equity fees have other components which cannot be easily captured in this simplified format.

** Managers with incentive fee: Waddell, Winslow, Systematic, Research Affiliates, Western Asset, Artisan, and Brandywine.*

*** Loomis, Western Asset, and Brandywine have performance based fees not included in the fee analysis.*

**** Research Affiliates and Artisan fee schedule effective as of April 1, 2013.*

Total Fund
Watch List (Gross of Fees)

Period Ending: March 31, 2015

<div> <div>No Issues</div> <div>Watch</div> <div>Terminate</div> </div>										
Investment Manager	Asset Class	Watch Date	Funding Date	Standard #1	Standard #2	Standard #3	Standard #4	Standard #5	Standard #6	
WADDELL & REED	Large Growth	03/31/2013	12/17/2010	↓	↓	↑	↓	↑	↓	
WINSLOW	Large Growth		12/17/2010	↓	↓	↑	↓	↑	↓	
ARONSON JOHNSON	Large Value		12/04/1995	↑	↓	↑	↓	↑	↑	
WELLINGTON	Large Value		04/30/2000	↑	↑	↑	↓	↑	↓	
KALMAR	Small Growth		11/30/2004	↑	↓	↓	↓	↓	↑	
SYSTEMATIC	Sm/Mid Value		10/08/2010	↑	↓	↑	↓	↑	↑	
MONDRIAN EMERGING	Emerging Markets		11/07/2005	↑	↓	↓	↑	↓	↑	
RESEARCH AFFILIATES	International Equity		04/29/2011	↓	↑	↓	↓	↓	↑	
ARTISAN INTL	International Equity		03/13/2013	↑	↑	↑	↑	↑	↑	
MONDRIAN INTL SM CAP	Intl Small Cap		11/02/2009	↑	↓	↑	↑	↑	↑	

Performance Standards

Standard #1: The manager has outperformed the assigned benchmark a minimum of 50% of the time over the last 20 quarters.

Standard #2: The equity manager and fixed income manager have returned 110% and 105% respectively of the assigned benchmark returns over the most recent three-year period.

Standard #3: The manager's performance is in the 50th percentile or better against the appropriate style universe in at least three of the last five years of consecutive annual returns.

Standard #4: The manager has a Sharpe Ratio equal to or greater than the median manager in an appropriate style universe over the most recent five year period (five year gross return minus five year 90ay T-Bill return/standard deviation).

Standard #5: The manager has an Information Ratio equal to or greater than the median manager in an appropriate style universe over the most recent five year period (gross excess return over benchmark/tracking error).

Standard #6: The manager experiences non-performance related issues including personnel turnover, changes in investment philosophy, excessive asset growth, change in ownership, and any other reason causing concern.

Watch List standards are run against historical composite returns prior to manager since inception.

Total Fund
Watch List (Gross of Fees)

Period Ending: March 31, 2015

No Issues
Watch
Terminate

Investment Manager	Asset Class	Watch Date	Funding Date	Standard #1	Standard #2	Standard #3	Standard #4	Standard #5	Standard #6
BRANDYWINE GLOBAL	Global Fixed	12/31/2013	02/01/2015	↑	↑	-	-	-	↑
WESTERN ASSET	Domestic Fixed		10/01/2014	↑	↑	↑	↑	↑	↑
LOOMIS SAYLES	High Yield		10/01/2014	↑	↑	↑	↓	↑	↑
EATON VANCE	Domestic Fixed		10/01/2014	↓	↓	↓	↑	↓	↑
PIMCO EM LOCAL BOND	Global Fixed		07/31/2013	↑	↓	↓	↓	↓	↓
INVESCO CORE RE	Real Estate		10/01/2007	↑	↓	-	-	-	↑
GROSVENOR	Hedge Fund		10/31/2009	↑	↑	-	-	-	↑

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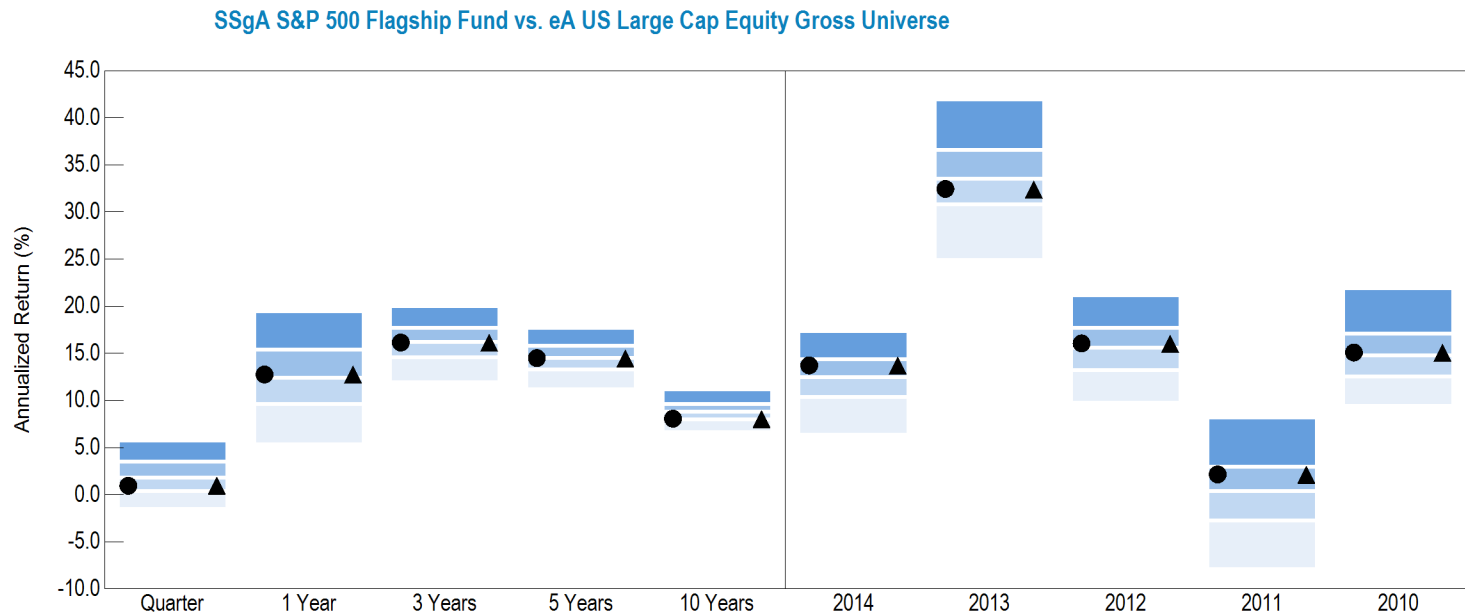
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Watch List standards are run against historical composite returns prior to manager since inception.

Domestic Equity Managers

SSgA S&P 500 Flagship Fund Manager Performance Comparisons

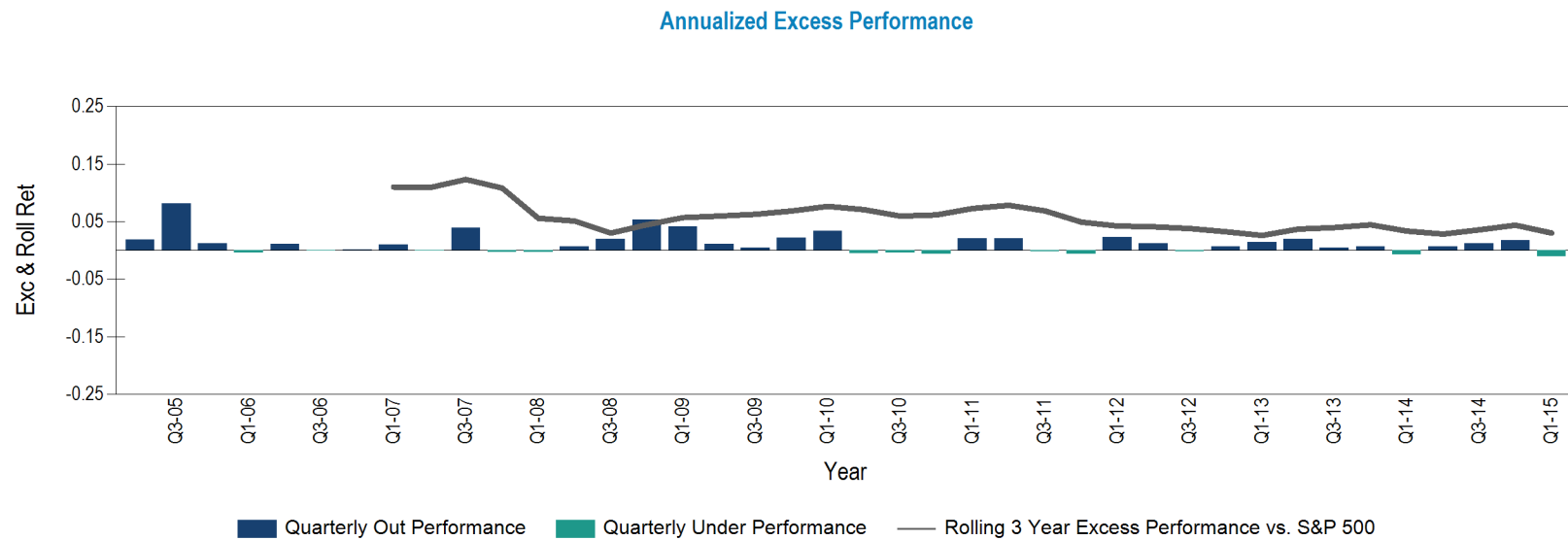
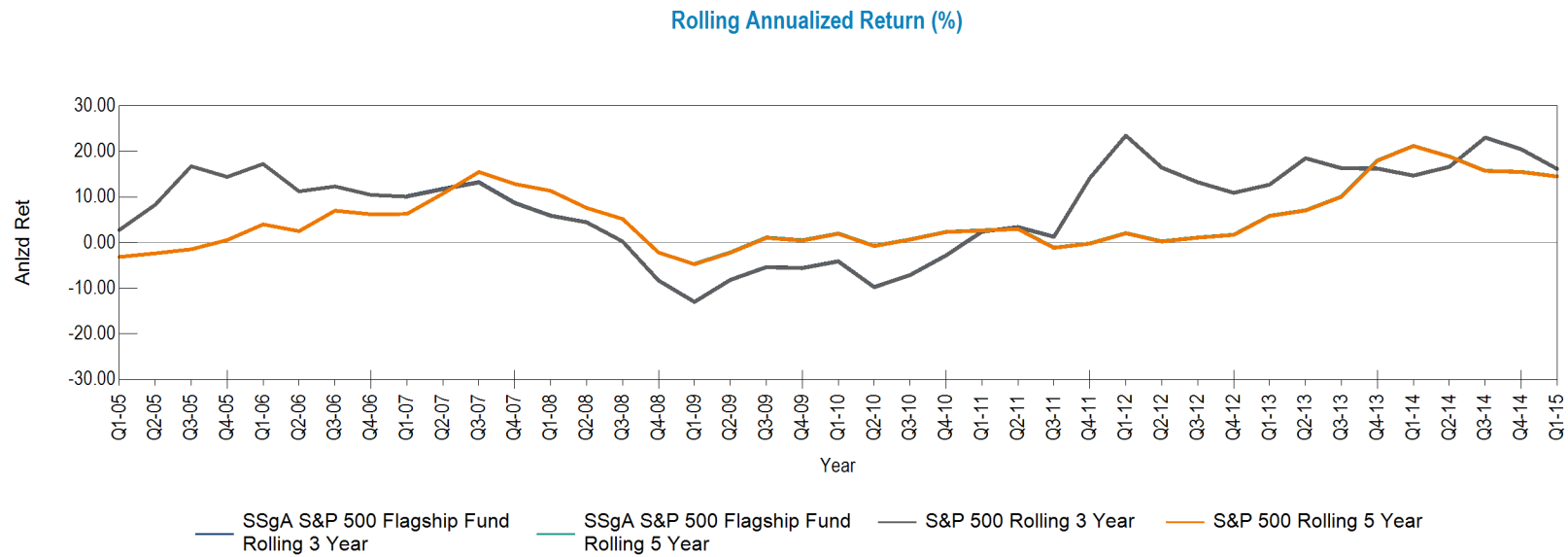
Period Ending: March 31, 2015



	Return (Rank)									
5th Percentile	5.7	19.4	20.0	17.7	11.2	17.3	41.9	21.1	8.2	21.9
25th Percentile	3.6	15.4	17.7	15.8	9.6	14.4	36.6	17.8	3.0	17.1
Median	1.8	12.5	16.3	14.5	8.8	12.5	33.6	15.6	0.4	14.8
75th Percentile	0.4	9.6	14.6	13.3	8.1	10.4	30.8	13.2	-2.7	12.6
95th Percentile	-1.5	5.4	11.9	11.2	6.7	6.4	24.9	9.8	-7.9	9.5
# of Portfolios	862	862	827	793	634	869	851	836	865	883
● SSgA S&P 500 Flagship Fund	0.9 (67)	12.8 (47)	16.1 (52)	14.5 (52)	8.1 (75)	13.7 (35)	32.4 (61)	16.0 (44)	2.1 (33)	15.1 (46)
▲ S&P 500	1.0 (67)	12.7 (48)	16.1 (53)	14.5 (53)	8.0 (77)	13.7 (35)	32.4 (62)	16.0 (45)	2.1 (34)	15.1 (47)

SSgA S&P 500 Flagship Fund Rolling Manager Performance

Period Ending: March 31, 2015

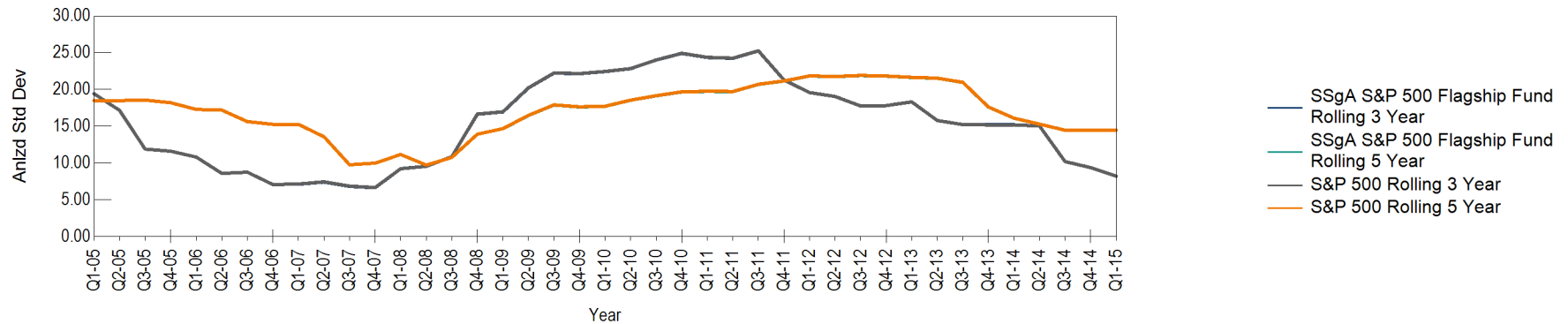


SSgA S&P 500 Flagship Fund

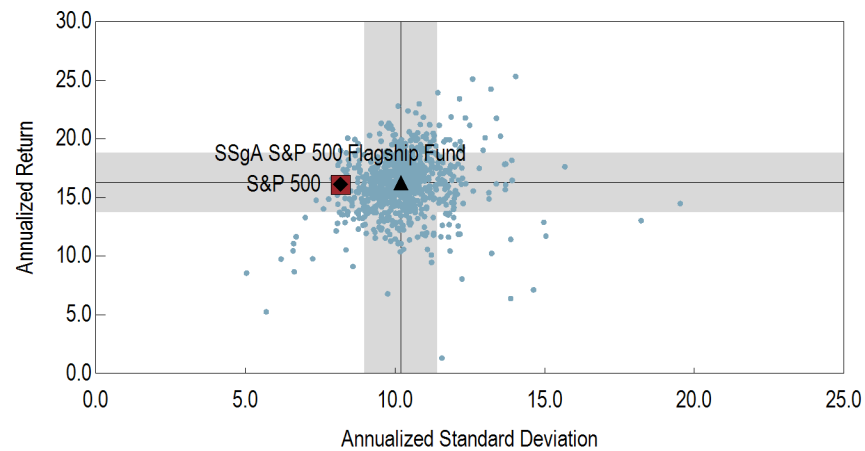
Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

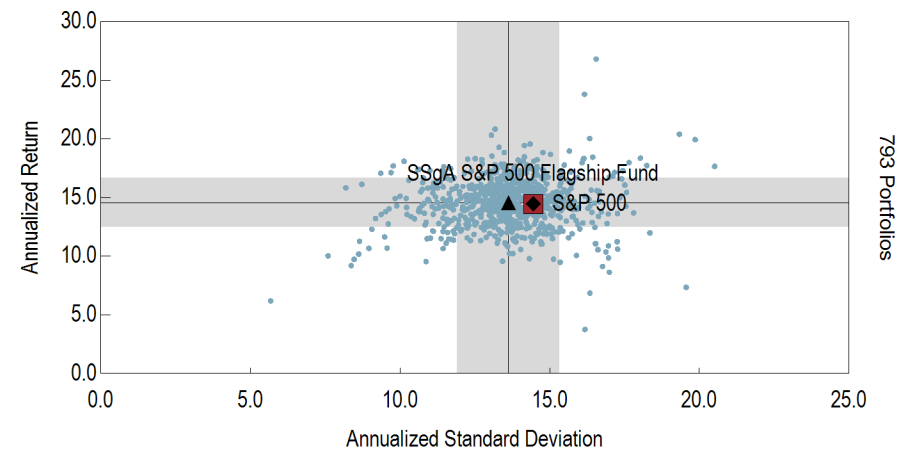
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
SSgA S&P 500 Flagship Fund	16.1%	8.2%	2.0
S&P 500	16.1%	8.2%	2.0
eA US Large Cap Equity Gross Median	16.3%	10.2%	1.6

5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
SSgA S&P 500 Flagship Fund	14.5%	14.5%	1.0
S&P 500	14.5%	14.4%	1.0
eA US Large Cap Equity Gross Median	14.5%	13.6%	1.1

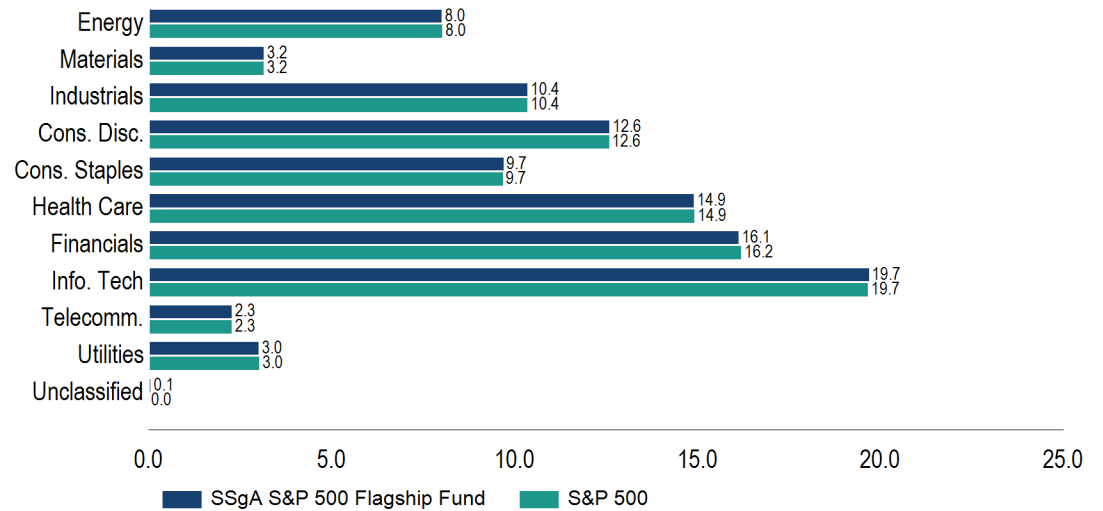
SSgA S&P 500 Flagship Fund Manager Portfolio Overview

Period Ending: March 31, 2015

Characteristics

	Portfolio	S&P 500
Number of Holdings	501	502
Weighted Avg. Market Cap. (\$B)	126.37	126.10
Median Market Cap. (\$B)	18.76	18.61
Price To Earnings	23.12	21.87
Price To Book	4.64	4.44
Price To Sales	3.20	2.95
Return on Equity (%)	19.91	19.37
Yield (%)	2.02	2.01
Beta	1.00	1.00

Sector Allocation (%) vs S&P 500



Largest Holdings

	End Weight	Return
APPLE	3.97	13.17
EXXON MOBIL	1.95	-7.37
MICROSOFT	1.82	-11.85
GOOGLE 'A'	1.73	4.53
JOHNSON & JOHNSON	1.53	-3.12
BERKSHIRE HATHAWAY 'B'	1.44	-3.88
WELLS FARGO & CO	1.39	-0.11
GENERAL ELECTRIC	1.37	-0.92
JP MORGAN CHASE & CO.	1.24	-2.58
PROCTER & GAMBLE	1.21	-9.41

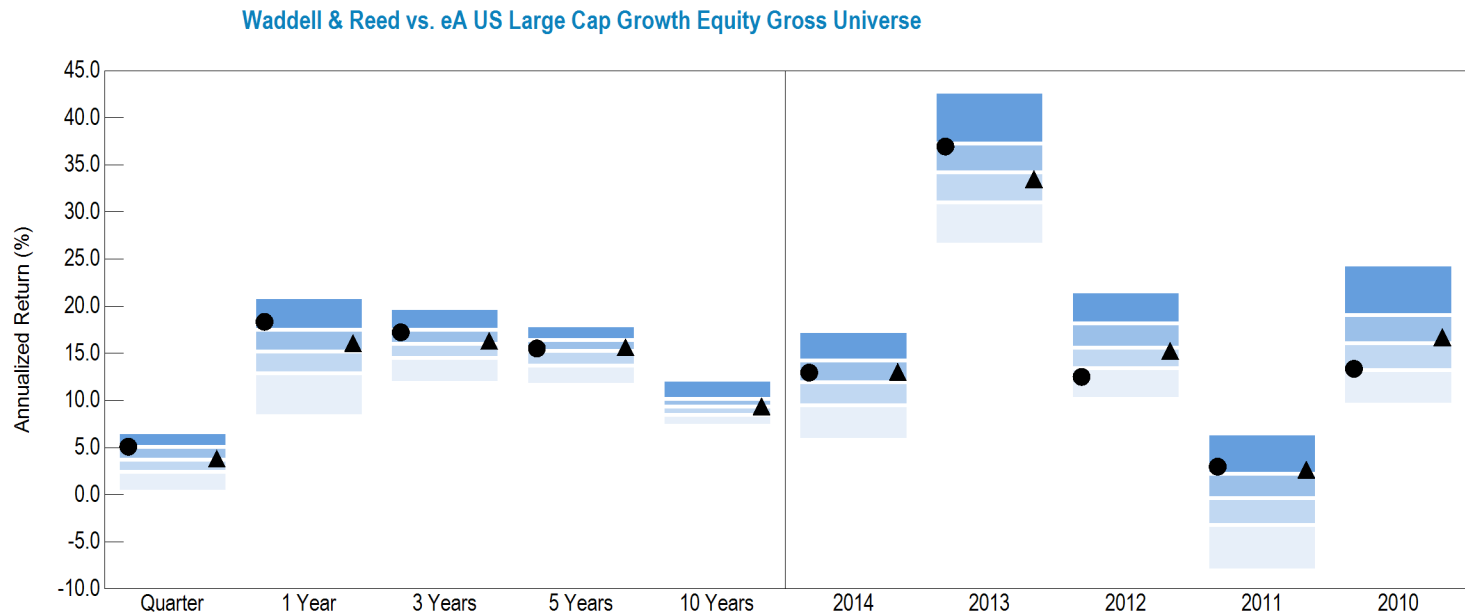
Top Contributors

	Avg Wgt	Return	Contribution
APPLE	3.83	13.17	0.50
AMAZON.COM	0.73	19.90	0.14
PFIZER	1.12	12.66	0.14
BIOGEN	0.49	24.39	0.12
UNITEDHEALTH GROUP	0.57	17.40	0.10
WALT DISNEY	0.83	11.36	0.09
BOEING	0.52	16.17	0.08
KRAFT FOODS GROUP	0.21	39.03	0.08
GOOGLE 'A'	1.70	4.53	0.08
HOME DEPOT	0.78	8.80	0.07

Bottom Contributors

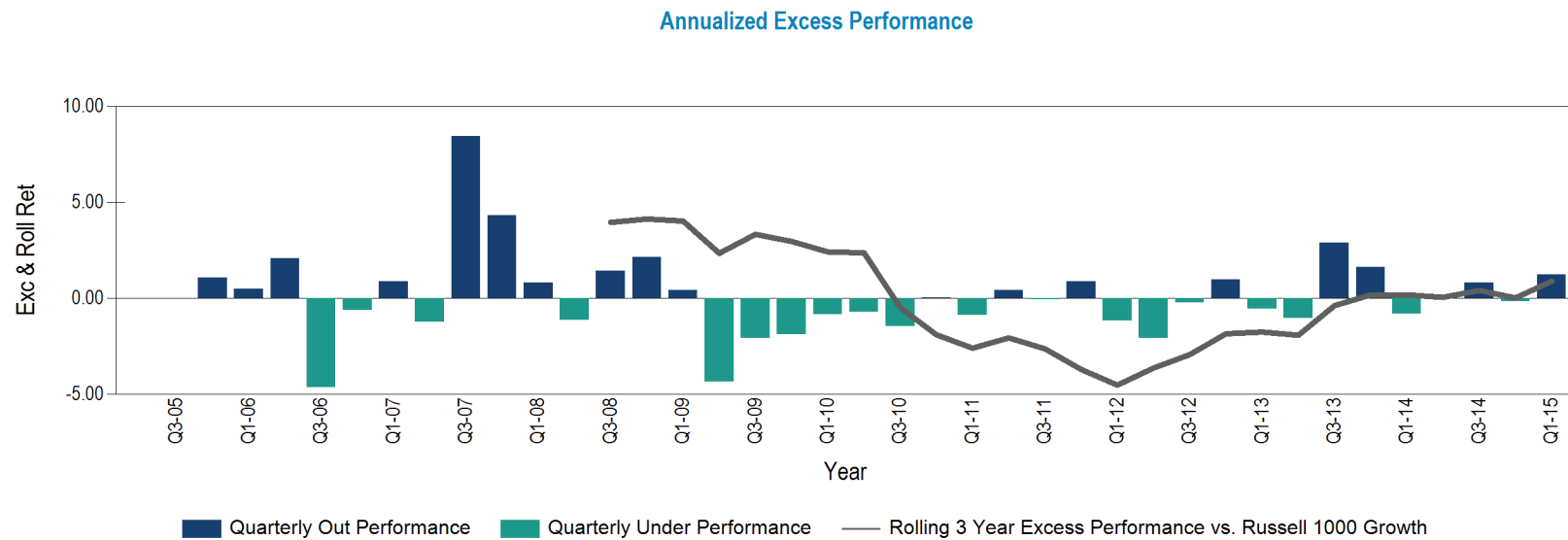
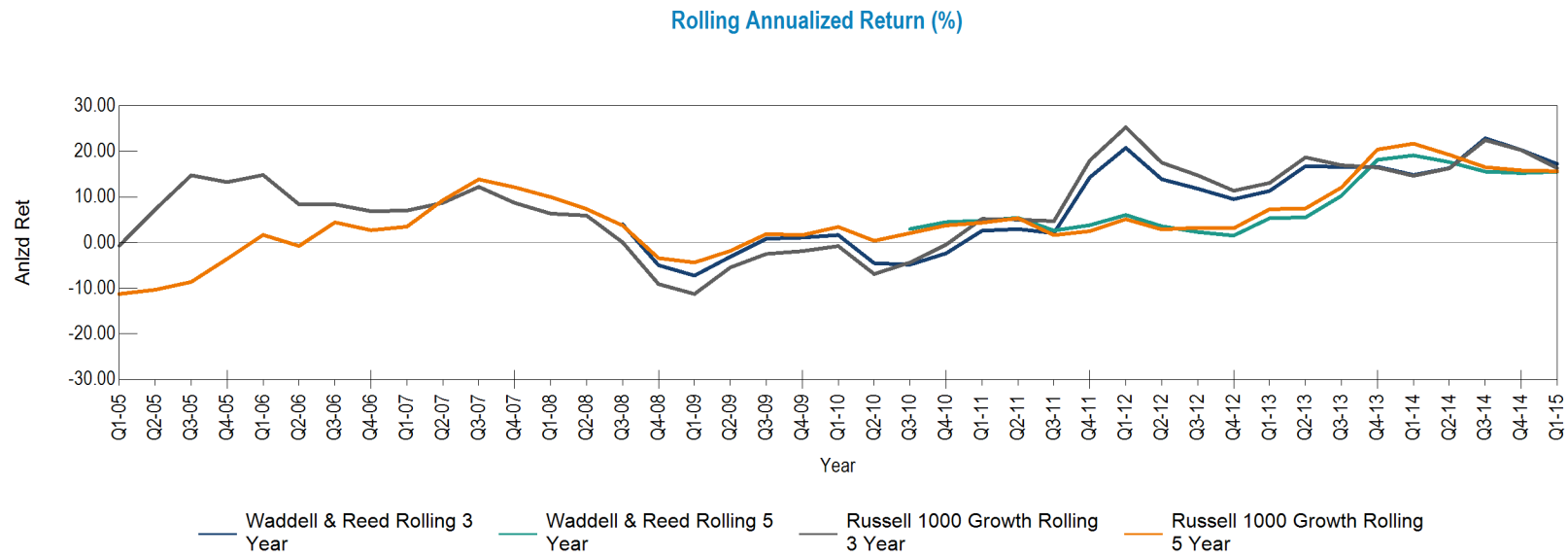
	Avg Wgt	Return	Contribution
MICROSOFT	2.10	-11.85	-0.25
EXXON MOBIL	2.14	-7.37	-0.16
BANK OF AMERICA	1.03	-13.70	-0.14
INTEL	0.96	-13.22	-0.13
PROCTER & GAMBLE	1.35	-9.41	-0.13
HEWLETT-PACKARD	0.41	-21.98	-0.09
AMERICAN EXPRESS	0.46	-15.51	-0.07
CHEVRON	1.16	-5.51	-0.06
BERKSHIRE HATHAWAY 'B'	1.50	-3.88	-0.06
ABBVIE	0.57	-9.85	-0.06

Unclassified sector allocation includes cash allocations.



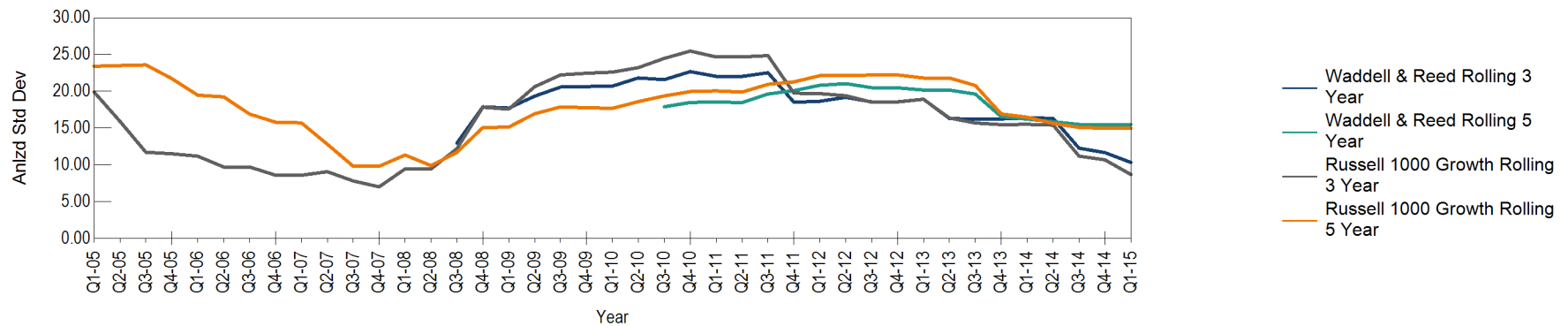
	Return (Rank)									
5th Percentile	6.6	20.9	19.8	18.0	12.2	17.3	42.8	21.6	6.4	24.4
25th Percentile	5.1	17.6	17.5	16.5	10.2	14.3	37.3	18.2	2.2	19.1
Median	3.7	15.2	16.1	15.3	9.3	12.0	34.3	15.7	-0.3	16.1
75th Percentile	2.5	12.9	14.5	13.8	8.5	9.5	31.0	13.4	-3.2	13.2
95th Percentile	0.4	8.4	11.9	11.7	7.4	5.8	26.6	10.2	-8.0	9.6
# of Portfolios	286	286	271	262	210	291	274	274	294	304
● Waddell & Reed	5.1 (26)	18.3 (21)	17.2 (31)	15.5 (45)	-- (--)	13.0 (39)	37.0 (28)	12.5 (84)	3.0 (20)	13.3 (74)
▲ Russell 1000 Growth	3.8 (47)	16.1 (42)	16.3 (45)	15.6 (44)	9.4 (50)	13.0 (38)	33.5 (56)	15.3 (55)	2.6 (22)	16.7 (46)

Returns prior to inception date are composite returns.

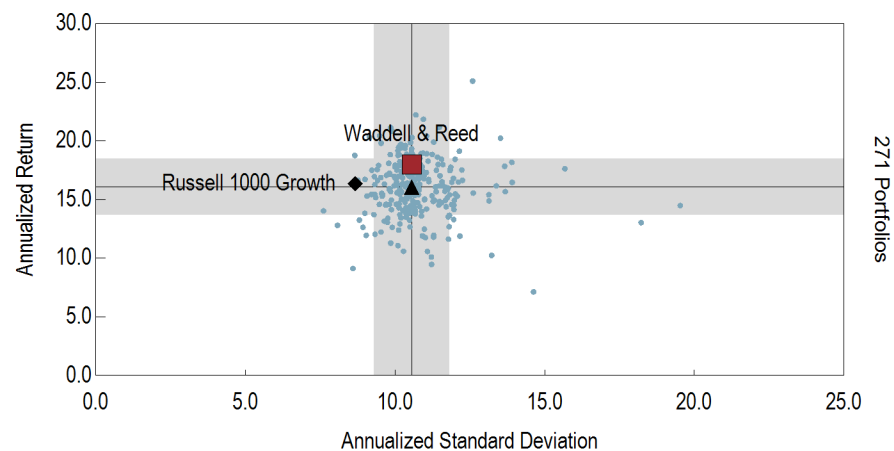


Returns prior to inception date are composite returns.

Rolling Annualized Standard Deviation



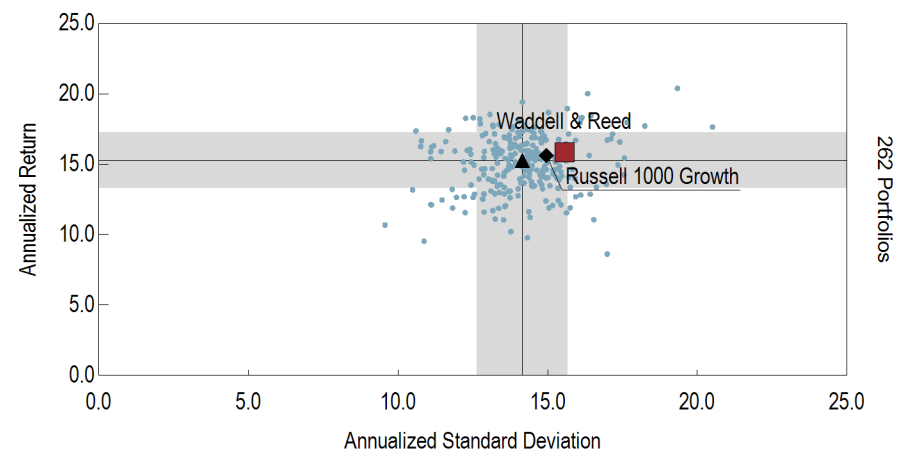
3 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Waddell & Reed	17.2%	10.3%	1.7
Russell 1000 Growth	16.3%	8.7%	1.9
eA US Large Cap Growth Equity Gross Median	16.1%	10.6%	1.5

5 Years



5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Waddell & Reed	15.5%	15.5%	1.0
Russell 1000 Growth	15.6%	15.0%	1.0
eA US Large Cap Growth Equity Gross Median	15.3%	14.2%	1.1

Returns prior to inception date are composite returns.

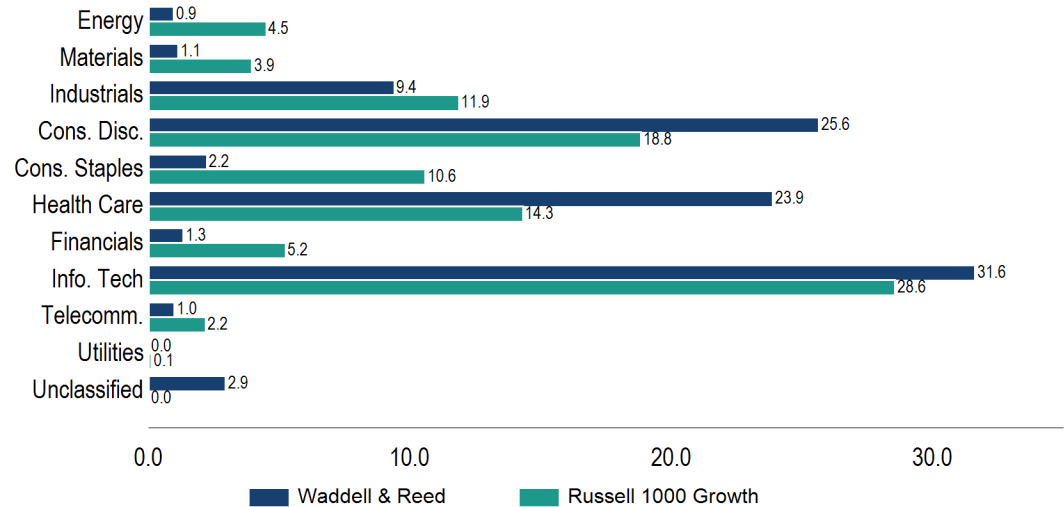
Waddell & Reed Manager Portfolio Overview

Period Ending: March 31, 2015

Characteristics

	Portfolio	Russell 1000 Growth
Number of Holdings	55	679
Weighted Avg. Market Cap. (\$B)	118.32	122.17
Median Market Cap. (\$B)	41.87	9.03
Price To Earnings	29.64	23.94
Price To Book	7.48	6.78
Price To Sales	5.87	3.56
Return on Equity (%)	27.16	25.04
Yield (%)	0.80	1.51
Beta	1.16	1.00

Sector Allocation (%) vs Russell 1000 Growth



Largest Holdings

	End Weight	Return
APPLE	5.47	13.17
BIOGEN	4.33	24.39
MASTERCARD	4.24	0.46
HOME DEPOT	3.99	8.80
GILEAD SCIENCES	3.67	4.11
VISA 'A'	3.60	-0.03
ACTAVIS	3.24	15.62
CELGENE	3.16	3.06
HCA HOLDINGS	2.96	2.51
FACEBOOK CLASS A	2.80	5.38

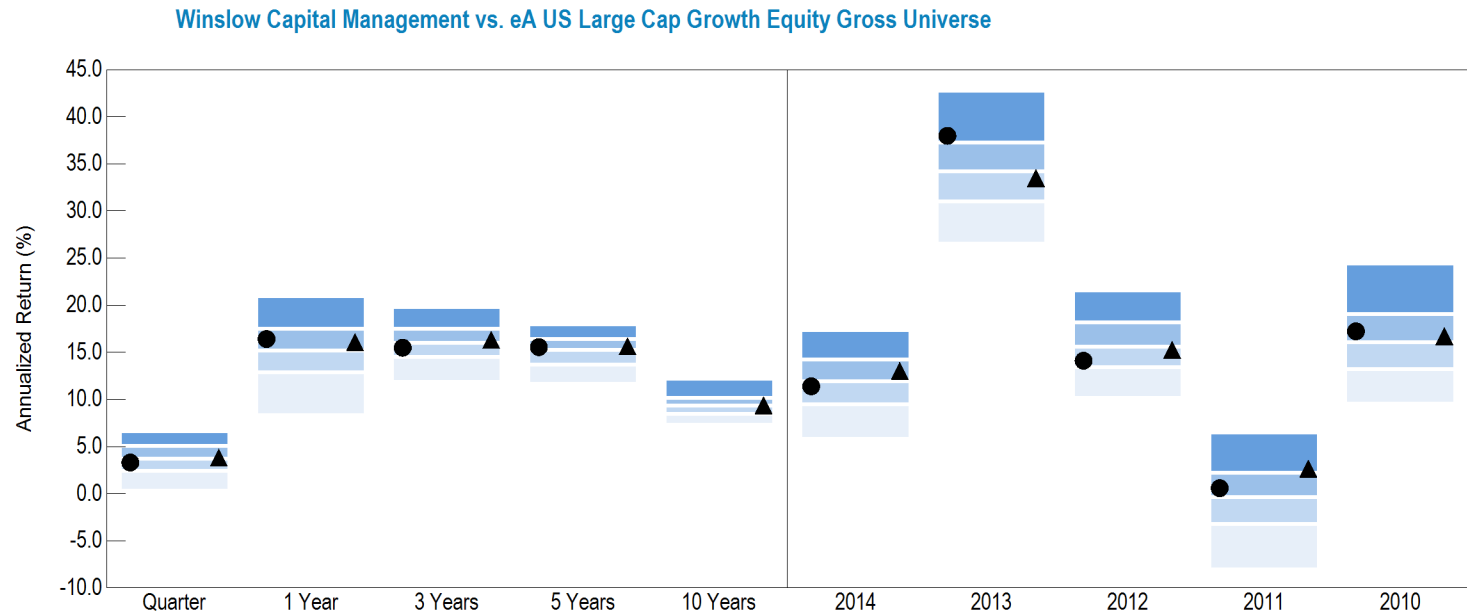
Top Contributors

	Avg Wgt	Return	Contribution
BIOGEN	4.23	24.39	1.03
APPLE	5.35	13.17	0.71
HARMAN INTL.INDS.	2.32	25.53	0.59
NXP SEMICONDUCTORS	1.60	31.36	0.50
BOEING	2.41	16.17	0.39
AMAZON.COM	1.84	19.90	0.37
HOME DEPOT	3.50	8.80	0.31
COGNIZANT	1.56	18.48	0.29
TECH.SLTN.'A'			
HILTON WORLDWIDE HDG.	1.98	13.53	0.27
TWITTER	0.63	39.62	0.25

Bottom Contributors

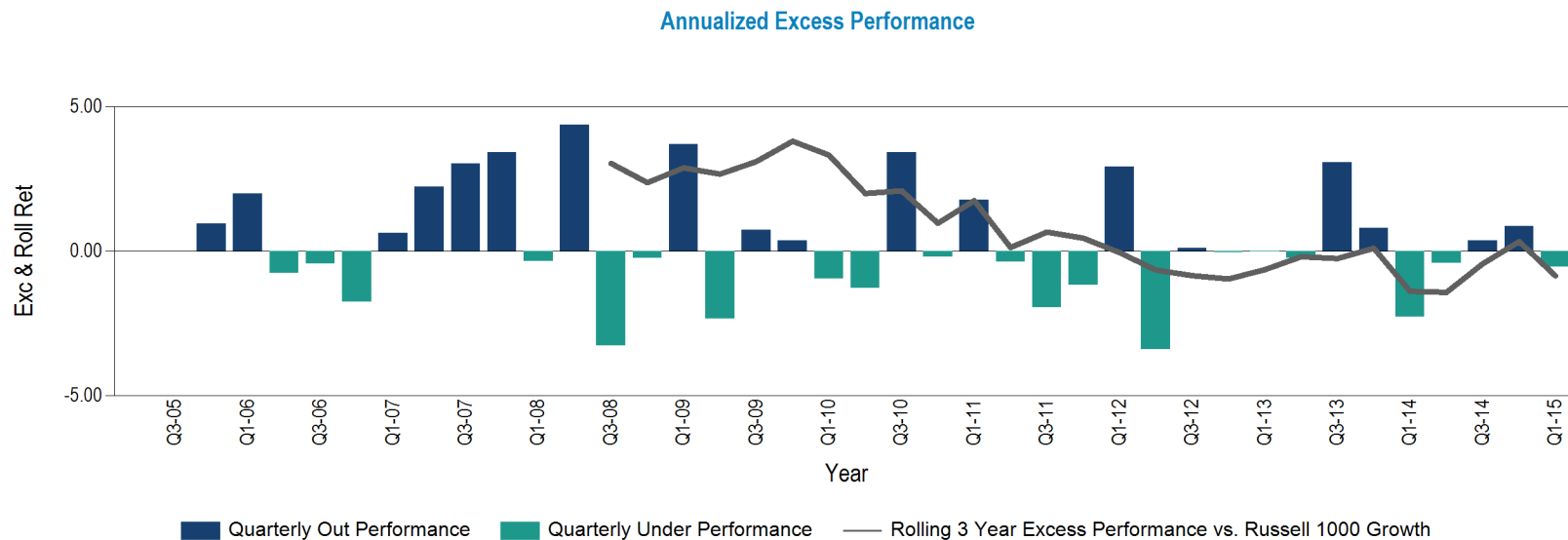
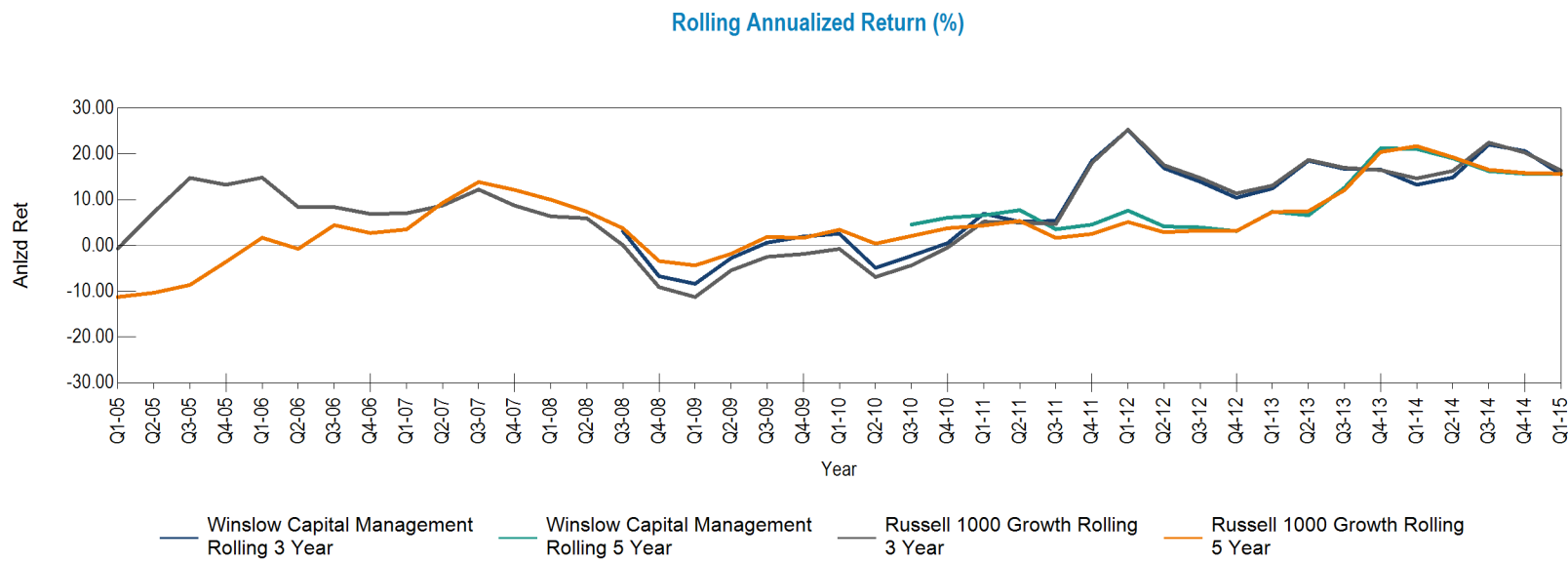
	Avg Wgt	Return	Contribution
UNION PACIFIC	3.08	-8.67	-0.27
PREC.CASTPARTS	1.98	-12.81	-0.25
APPLIED MATS.	2.67	-9.09	-0.24
KANSAS CITY SOUTHERN	1.36	-16.11	-0.22
CANADIAN PAC.RY. (NYS)	3.15	-5.04	-0.16
HARLEY-DAVIDSON	1.86	-7.40	-0.14
WYNN RESORTS	0.54	-14.54	-0.08
AMERICAN TOWER	1.46	-4.75	-0.07
PHILIP MORRIS INTL.	0.98	-6.32	-0.06
LAM RESEARCH	0.50	-11.28	-0.06

Unclassified sector allocation includes cash allocations.



	Return (Rank)									
5th Percentile	6.6	20.9	19.8	18.0	12.2	17.3	42.8	21.6	6.4	24.4
25th Percentile	5.1	17.6	17.5	16.5	10.2	14.3	37.3	18.2	2.2	19.1
Median	3.7	15.2	16.1	15.3	9.3	12.0	34.3	15.7	-0.3	16.1
75th Percentile	2.5	12.9	14.5	13.8	8.5	9.5	31.0	13.4	-3.2	13.2
95th Percentile	0.4	8.4	11.9	11.7	7.4	5.8	26.6	10.2	-8.0	9.6
# of Portfolios	286	286	271	262	210	291	274	274	294	304
● Winslow Capital Management	3.3 (61)	16.4 (39)	15.5 (60)	15.5 (44)	-- (--)	11.4 (57)	38.0 (19)	14.1 (68)	0.6 (40)	17.2 (40)
▲ Russell 1000 Growth	3.8 (47)	16.1 (42)	16.3 (45)	15.6 (44)	9.4 (50)	13.0 (38)	33.5 (56)	15.3 (55)	2.6 (22)	16.7 (46)

Returns prior to inception date are composite returns.

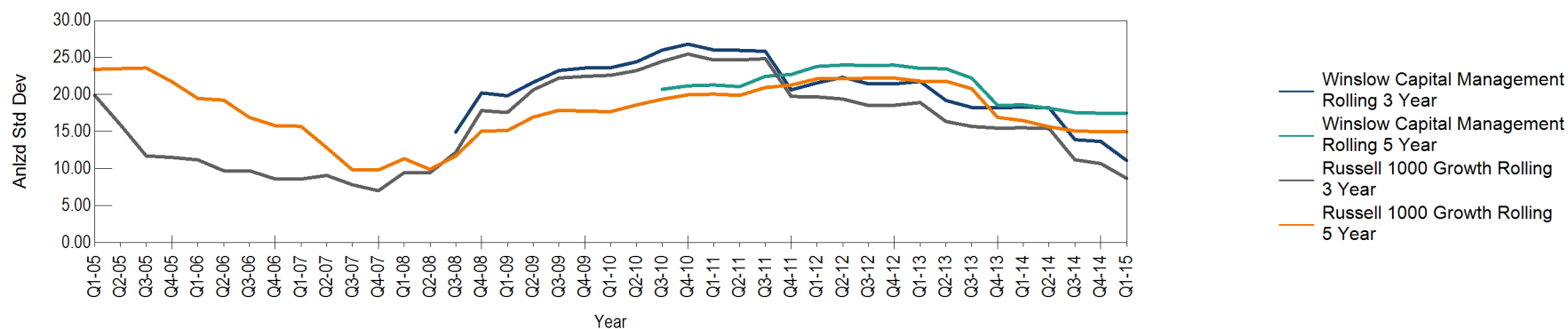


Returns prior to inception date are composite returns.

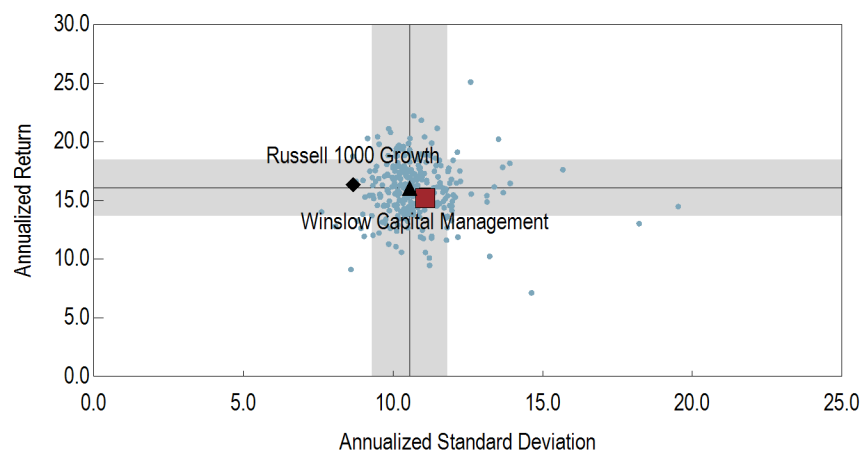
Winslow Capital Management Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

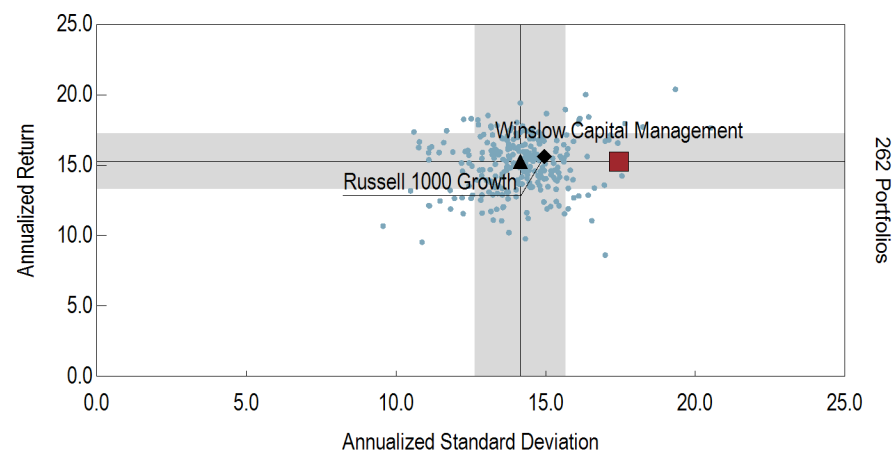
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Winslow Capital Management	15.5%	11.1%	1.4
Russell 1000 Growth	16.3%	8.7%	1.9
eA US Large Cap Growth Equity Gross Median	16.1%	10.6%	1.5

5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Winslow Capital Management	15.5%	17.5%	0.9
Russell 1000 Growth	15.6%	15.0%	1.0
eA US Large Cap Growth Equity Gross Median	15.3%	14.2%	1.1

Returns prior to inception date are composite returns.

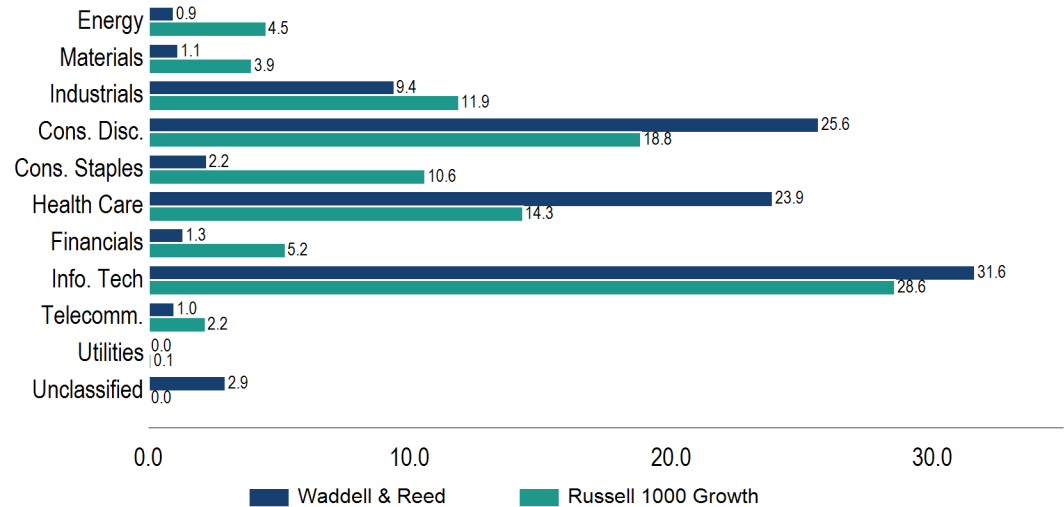
Winslow Capital Management Manager Portfolio Overview

Period Ending: March 31, 2015

Characteristics

	Portfolio	Russell 1000 Growth
Number of Holdings	65	679
Weighted Avg. Market Cap. (\$B)	116.70	122.17
Median Market Cap. (\$B)	53.53	9.03
Price To Earnings	31.37	23.94
Price To Book	7.87	6.78
Price To Sales	6.23	3.56
Return on Equity (%)	21.90	25.04
Yield (%)	0.74	1.51
Beta	1.25	1.00

Sector Allocation (%) vs Russell 1000 Growth



Largest Holdings

	End Weight	Return
APPLE	5.81	13.17
VISA 'A'	3.87	-0.03
UNION PACIFIC	3.45	-8.67
FACEBOOK CLASS A	2.67	5.38
CELGENE	2.56	3.06
NIKE 'B'	2.53	4.65
BIOGEN	2.46	24.39
MCKESSON	2.45	9.08
GOOGLE 'A'	2.10	4.53
GOOGLE 'C'	2.09	4.10

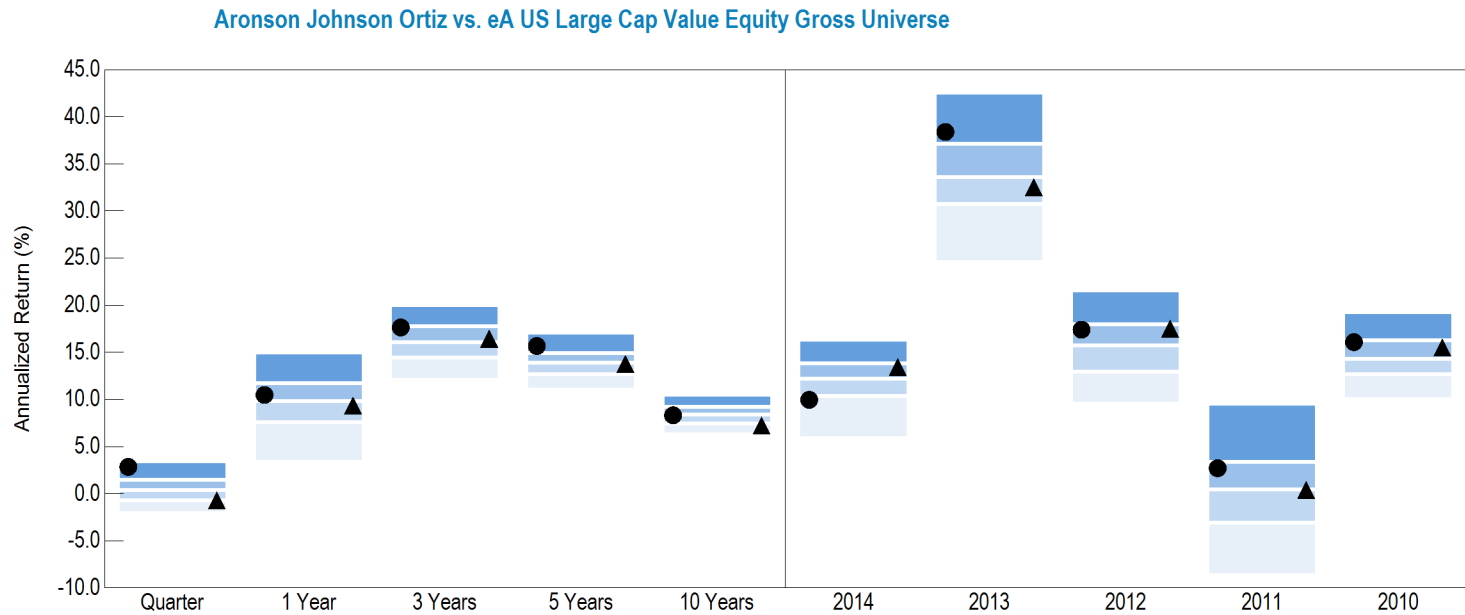
Top Contributors

	Avg Wgt	Return	Contribution
APPLE	5.64	13.17	0.74
BIOGEN	2.39	24.39	0.58
AMAZON.COM	1.70	19.90	0.34
UNITEDHEALTH GROUP	1.78	17.40	0.31
STARBUCKS	1.92	15.83	0.30
COGNIZANT	1.32	18.48	0.24
TECH.SLTN.'A'	1.32	18.48	0.24
HILTON WORLDWIDE HDG.	1.69	13.53	0.23
ULTA SALON CO&FRA.	1.21	18.00	0.22
MCKESSON	2.36	9.08	0.21
VALEANT PHARMS. (NYS) INTL.	0.53	38.79	0.21

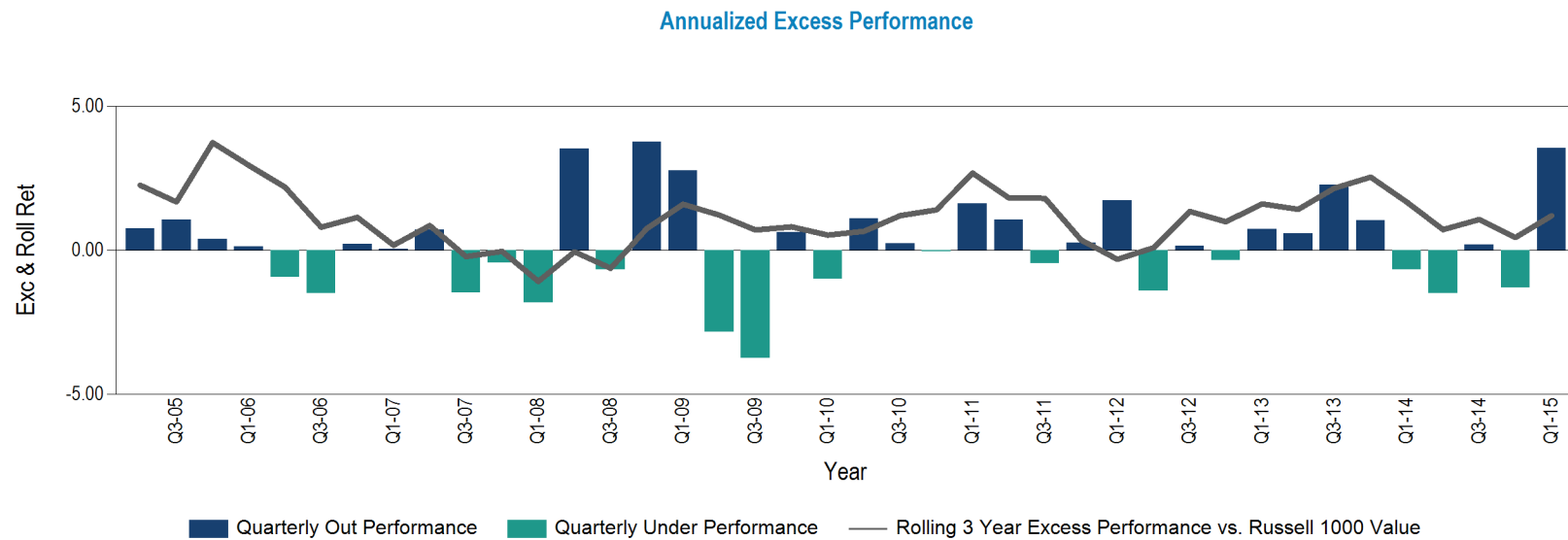
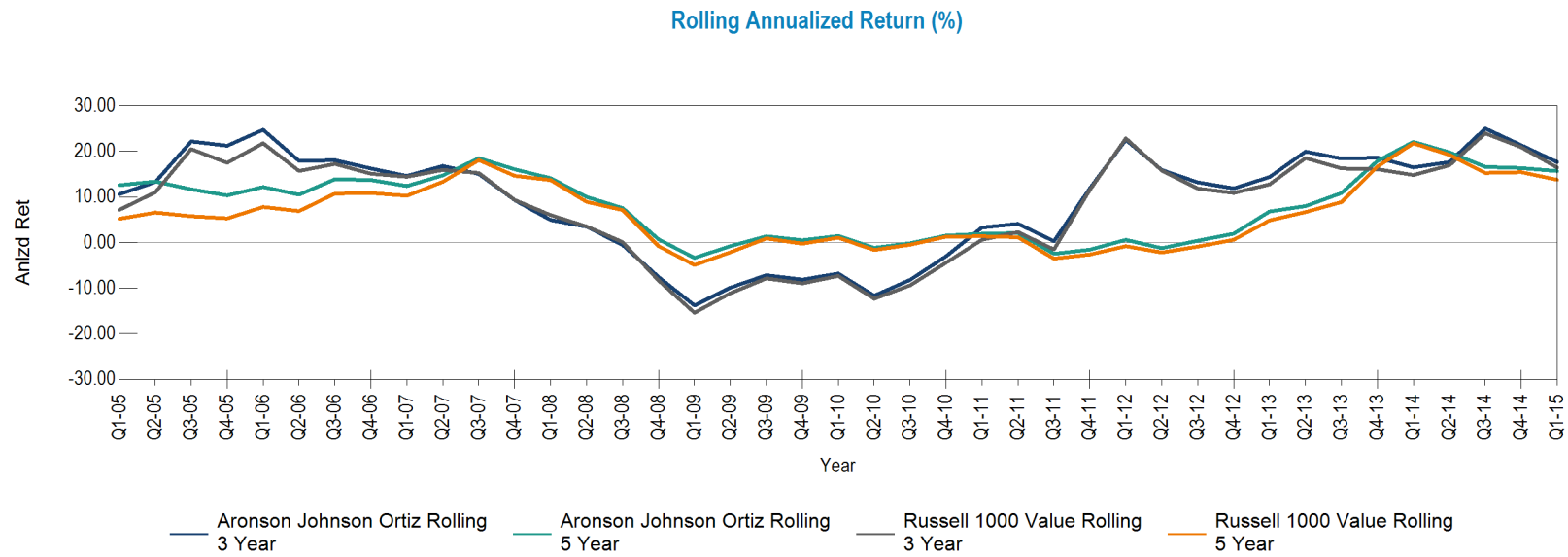
Bottom Contributors

	Avg Wgt	Return	Contribution
UNION PACIFIC	3.94	-8.67	-0.34
TWENTY-FIRST CENTURY	2.34	-11.51	-0.27
FOX CL.A	1.29	-19.92	-0.26
ALIBABA GROUP HLDG.SPN. ADR 1:1	1.29	-19.92	-0.26
PREC.CASTPARTS	1.65	-12.81	-0.21
AMERICAN EXPRESS	1.27	-15.51	-0.20
BAIDU 'A' ADR 10:1	1.66	-8.58	-0.14
DELTA AIR LINES	1.62	-8.42	-0.14
TESLA MOTORS	0.82	-15.13	-0.12
APPLIED MATS.	1.36	-9.09	-0.12
ALEXION PHARMS.	1.90	-6.34	-0.12

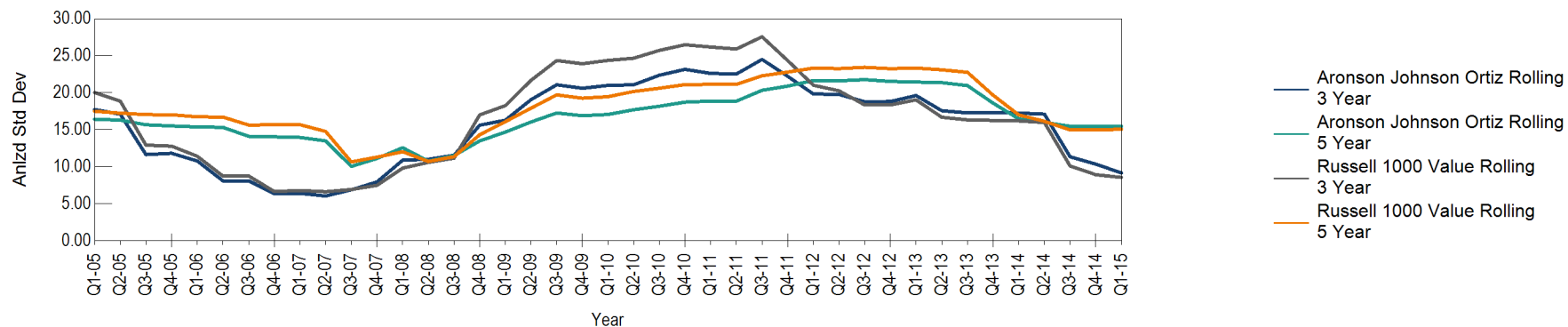
Unclassified sector allocation includes cash allocations.



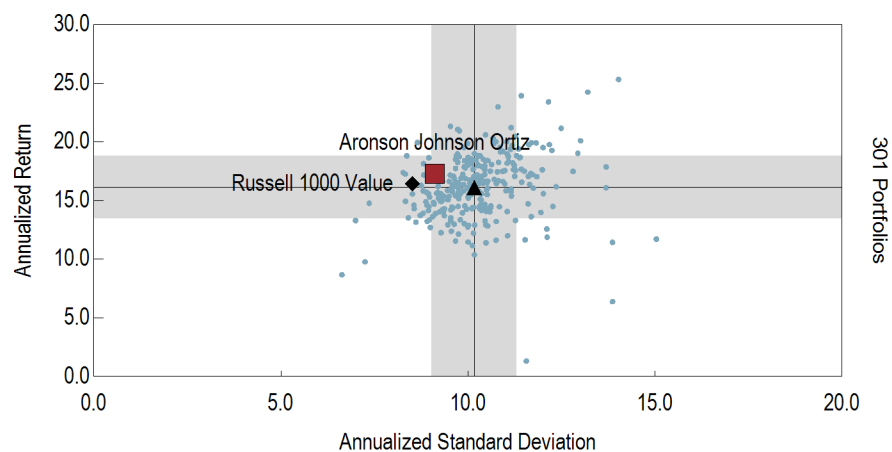
	Return (Rank)									
5th Percentile	3.4	15.0	20.0	17.1	10.4	16.3	42.5	21.5	9.5	19.2
25th Percentile	1.5	11.8	17.8	14.9	9.2	13.9	37.2	18.0	3.4	16.3
Median	0.4	9.8	16.1	14.0	8.4	12.2	33.6	15.7	0.5	14.3
75th Percentile	-0.6	7.6	14.5	12.7	7.5	10.4	30.8	13.0	-3.1	12.7
95th Percentile	-2.0	3.4	12.1	11.1	6.3	5.9	24.6	9.6	-8.6	10.1
# of Portfolios	308	308	301	291	234	307	310	303	310	323
● Aronson Johnson Ortiz	2.8 (9)	10.5 (42)	17.6 (27)	15.7 (16)	8.3 (53)	10.0 (81)	38.4 (17)	17.4 (32)	2.7 (30)	16.1 (27)
▲ Russell 1000 Value	-0.7 (77)	9.3 (57)	16.4 (45)	13.8 (55)	7.2 (82)	13.5 (33)	32.5 (60)	17.5 (30)	0.4 (51)	15.5 (35)



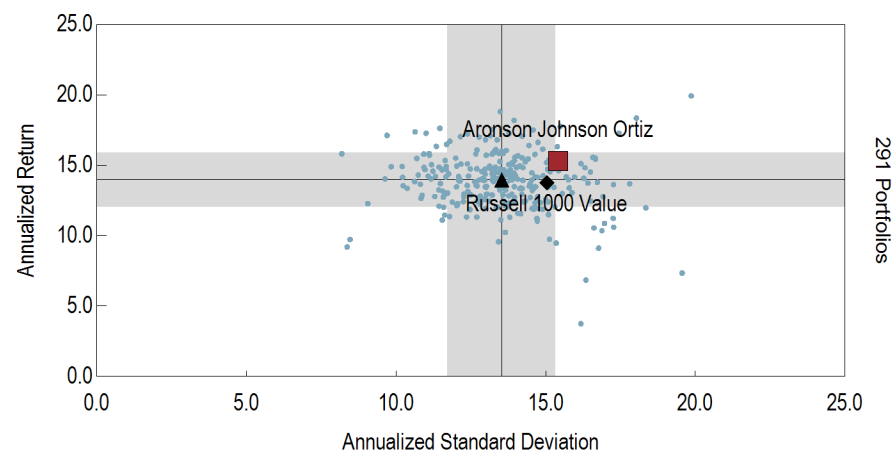
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Aronson Johnson Ortiz	17.6%	9.1%	1.9
Russell 1000 Value	16.4%	8.5%	1.9
eA US Large Cap Value Equity Gross Median	16.1%	10.2%	1.6

5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Aronson Johnson Ortiz	15.7%	15.4%	1.0
Russell 1000 Value	13.8%	15.0%	0.9
eA US Large Cap Value Equity Gross Median	14.0%	13.5%	1.0

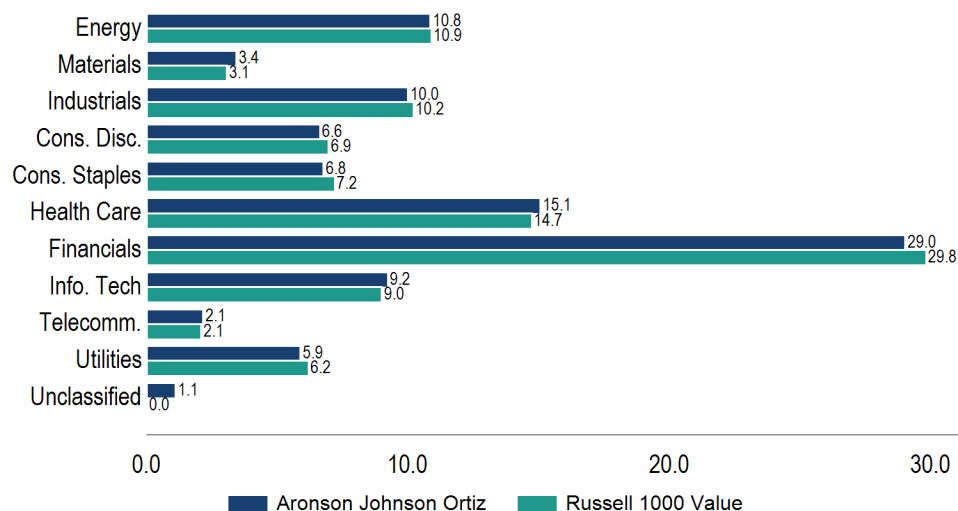
Aronson Johnson Ortiz Manager Portfolio Overview

Period Ending: March 31, 2015

Characteristics

	Portfolio	Russell 1000 Value
Number of Holdings	116	700
Weighted Avg. Market Cap. (\$B)	58.74	101.42
Median Market Cap. (\$B)	17.60	7.56
Price To Earnings	18.61	20.57
Price To Book	2.84	2.37
Price To Sales	1.63	2.39
Return on Equity (%)	16.11	12.34
Yield (%)	1.64	2.35
Beta	1.01	1.00

Sector Allocation (%) vs Russell 1000 Value



Largest Holdings

	End Weight	Return
JP MORGAN CHASE & CO.	3.33	-2.58
CITIGROUP	2.68	-4.77
EXXON MOBIL	2.66	-7.37
AMERICAN INTL.GP.	1.93	-1.95
TRAVELERS COS.	1.61	2.69
CARDINAL HEALTH	1.60	12.24
CAPITAL ONE FINL.	1.59	-4.14
VALERO ENERGY	1.54	29.47
ALLSTATE	1.52	1.74
AT&T	1.43	-1.42

Top Contributors

	Avg Wgt	Return	Contribution
VALERO ENERGY	1.51	29.47	0.44
UNITED THERAPEUTICS	1.25	33.16	0.41
TESORO	1.42	23.36	0.33
AMERISOURCEBERGEN	1.25	26.44	0.33
BIOGEN	1.30	24.39	0.32
HUMANA	1.26	24.14	0.30
ANTHEM	1.23	23.40	0.29
KROGER	1.28	19.70	0.25
CARDINAL HEALTH	1.52	12.24	0.19
MARATHON PETROLEUM	1.31	13.99	0.18

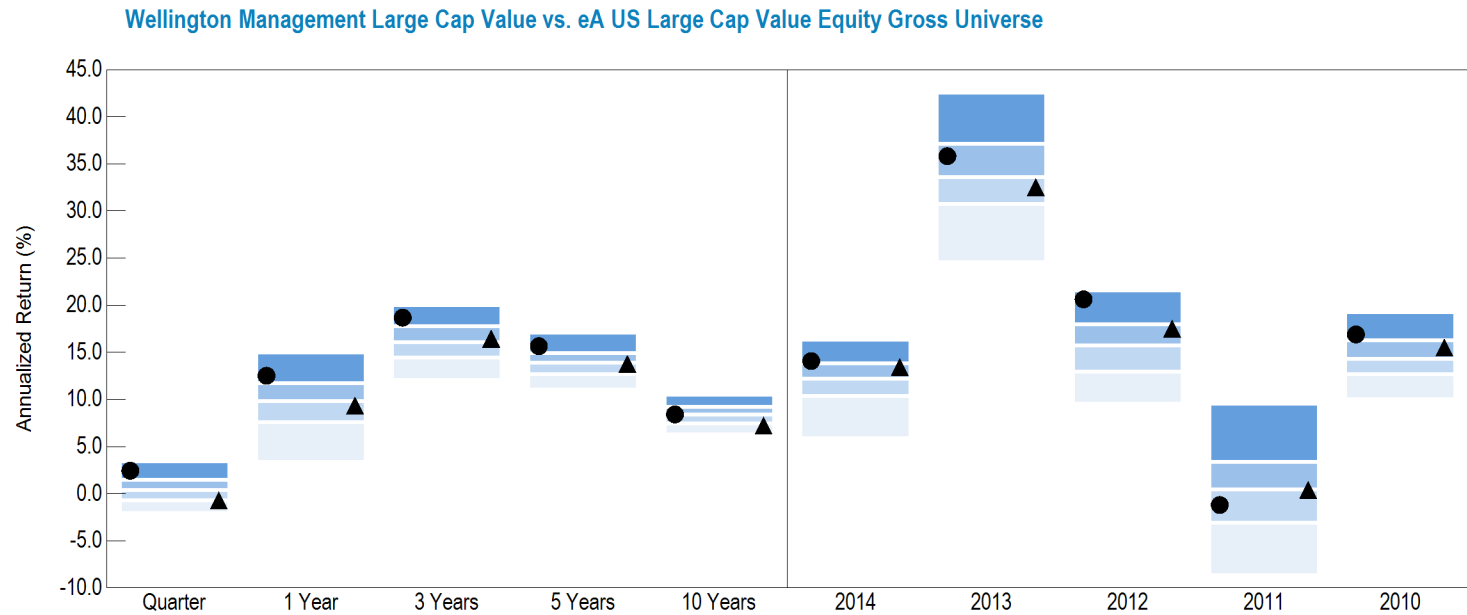
Bottom Contributors

	Avg Wgt	Return	Contribution
INTEL	2.06	-13.22	-0.27
WESTERN DIGITAL	1.53	-17.34	-0.26
DISCOVER FINANCIAL SVS.	1.53	-13.59	-0.21
OIL STS.INTL.	1.05	-18.67	-0.20
MICRON TECHNOLOGY	0.83	-22.51	-0.19
ENTERGY	1.47	-10.52	-0.16
CITIGROUP	2.73	-4.77	-0.13
DELTA AIR LINES	1.54	-8.42	-0.13
EXXON MOBIL	1.67	-7.37	-0.12
CAMERON INTERNATIONAL	1.22	-9.67	-0.12

Unclassified sector allocation includes cash allocations.

Wellington Management Large Cap Value Manager Performance Comparisons

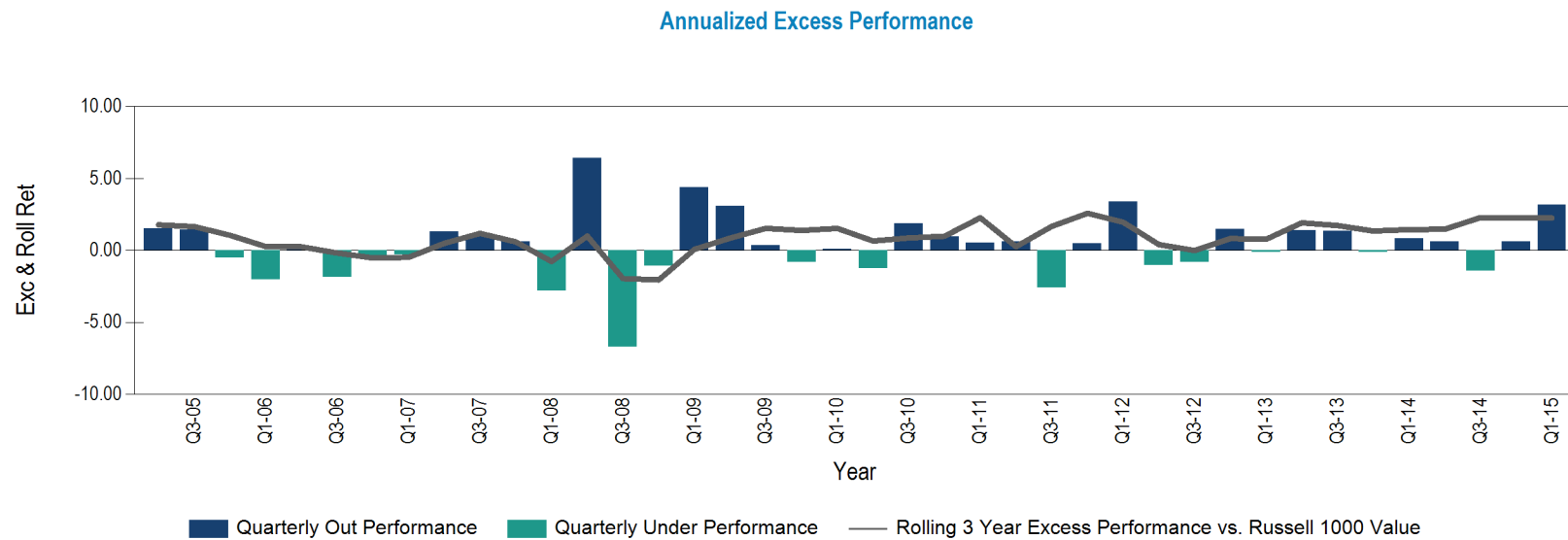
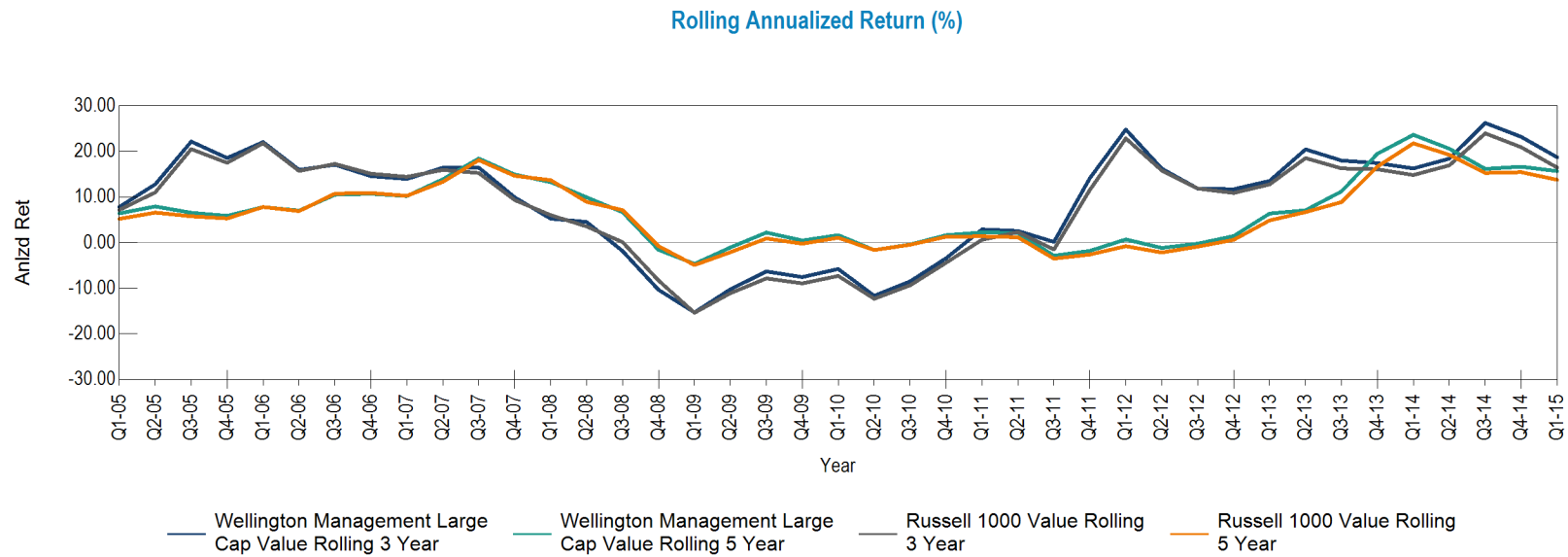
Period Ending: March 31, 2015



	Return (Rank)									
5th Percentile	3.4	15.0	20.0	17.1	10.4	16.3	42.5	21.5	9.5	19.2
25th Percentile	1.5	11.8	17.8	14.9	9.2	13.9	37.2	18.0	3.4	16.3
Median	0.4	9.8	16.1	14.0	8.4	12.2	33.6	15.7	0.5	14.3
75th Percentile	-0.6	7.6	14.5	12.7	7.5	10.4	30.8	13.0	-3.1	12.7
95th Percentile	-2.0	3.4	12.1	11.1	6.3	5.9	24.6	9.6	-8.6	10.1
# of Portfolios	308	308	301	291	234	307	310	303	310	323
● Wellington Management Large Cap Value	2.4 (12)	12.5 (17)	18.7 (15)	15.6 (16)	8.4 (50)	14.1 (22)	35.8 (34)	20.6 (8)	-1.2 (66)	16.9 (20)
▲ Russell 1000 Value	-0.7 (77)	9.3 (57)	16.4 (45)	13.8 (55)	7.2 (82)	13.5 (33)	32.5 (60)	17.5 (30)	0.4 (51)	15.5 (35)

Wellington Management Large Cap Value Rolling Manager Performance

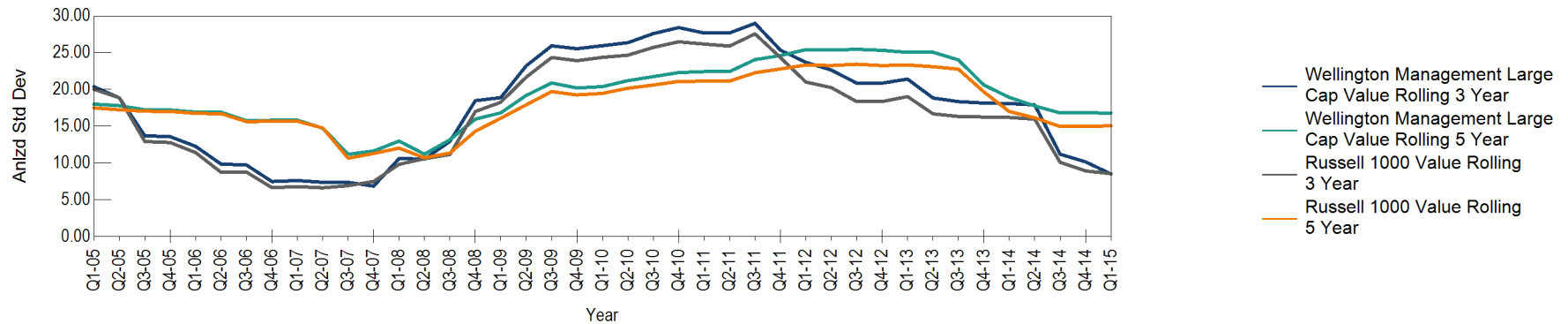
Period Ending: March 31, 2015



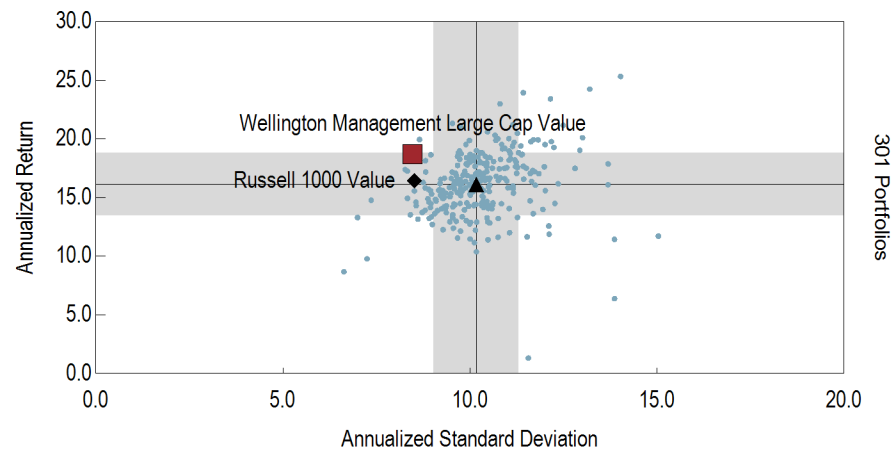
Wellington Management Large Cap Value Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

Rolling Annualized Standard Deviation



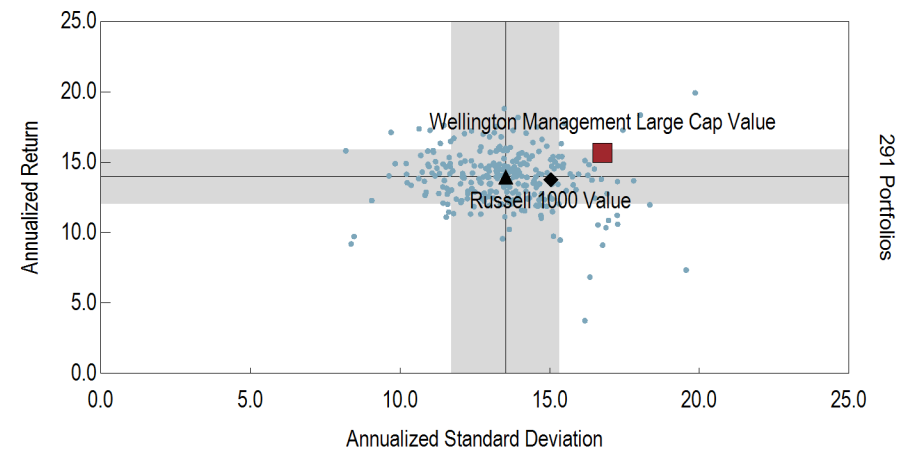
3 Years



3 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Wellington Management Large Cap Value	18.7%	8.5%	2.2
Russell 1000 Value	16.4%	8.5%	1.9
eA US Large Cap Value Equity Gross Median	16.1%	10.2%	1.6

5 Years



5 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Wellington Management Large Cap Value	15.6%	16.8%	0.9
Russell 1000 Value	13.8%	15.0%	0.9
eA US Large Cap Value Equity Gross Median	14.0%	13.5%	1.0

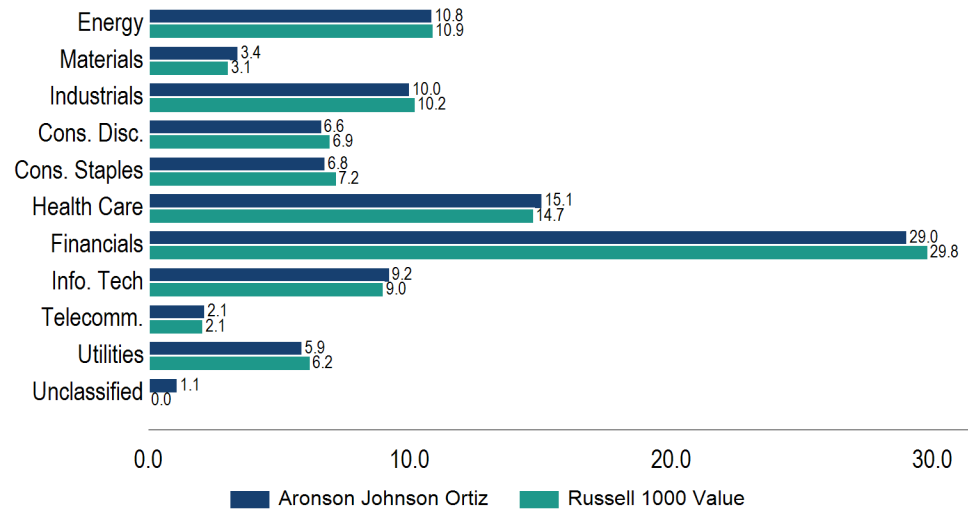
Wellington Management Large Cap Value Manager Portfolio Overview

Period Ending: March 31, 2015

Characteristics

	Portfolio	Russell 1000 Value
Number of Holdings	186	700
Weighted Avg. Market Cap. (\$B)	80.28	101.42
Median Market Cap. (\$B)	17.03	7.56
Price To Earnings	21.49	20.57
Price To Book	2.87	2.37
Price To Sales	3.01	2.39
Return on Equity (%)	14.40	12.34
Yield (%)	1.83	2.35
Beta	0.95	1.00

Sector Allocation (%) vs Russell 1000 Value



Largest Holdings

	End Weight	Return
WELLS FARGO & CO	3.53	-0.11
CITIGROUP	3.24	-4.77
SPDR S&P 500 ETF TST.	2.54	0.88
MEDTRONIC	2.07	8.45
MERCK & COMPANY	1.95	2.03
PNC FINL.SVS.GP.	1.93	2.78
AMERICAN INTL.GP.	1.93	-1.95
CISCO SYSTEMS	1.92	0.40
BRISTOL MYERS SQUIBB	1.60	9.27
CHEVRON	1.57	-5.51

Top Contributors

	Avg Wgt	Return	Contribution
FREESCALE SEMICON.	0.88	61.55	0.54
BOSTON SCIENTIFIC	0.90	33.96	0.31
SANTANDER CONSUMER	1.35	18.00	0.24
USA HDG.	1.27	15.62	0.20
ACTAVIS	1.09	17.40	0.19
UNITEDHEALTH GROUP	1.41	13.17	0.19
APPLE	1.76	8.45	0.15
MEDTRONIC	1.53	9.27	0.14
BRISTOL MYERS SQUIBB	0.48	29.47	0.14
VALERO ENERGY	0.70	19.81	0.14
FOREST CITY ENTS.'A'			

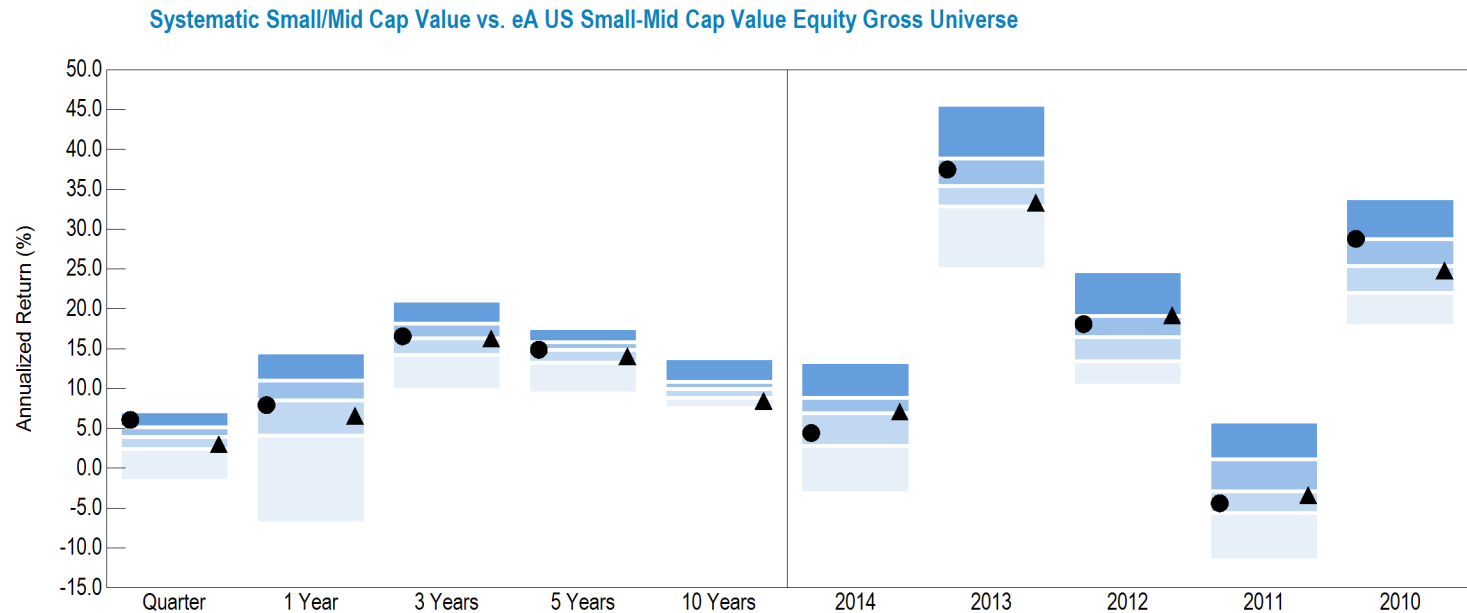
Bottom Contributors

	Avg Wgt	Return	Contribution
INTEL	1.70	-13.22	-0.22
HEWLETT-PACKARD	0.88	-21.98	-0.19
CITIGROUP	3.88	-4.77	-0.19
MICROSOFT	1.28	-11.85	-0.15
UGI	0.96	-13.61	-0.13
EXXON MOBIL	1.39	-7.37	-0.10
CHEVRON	1.72	-5.51	-0.09
TWENTY-FIRST CENTURY	0.76	-11.51	-0.09
FOX CL.A			
PRUDENTIAL FINL.	0.80	-10.58	-0.08
TRANSCANADA (NYS)	0.64	-12.16	-0.08

Unclassified sector allocation includes cash allocations.

Systematic Small/Mid Cap Value Manager Performance Comparisons

Period Ending: March 31, 2015

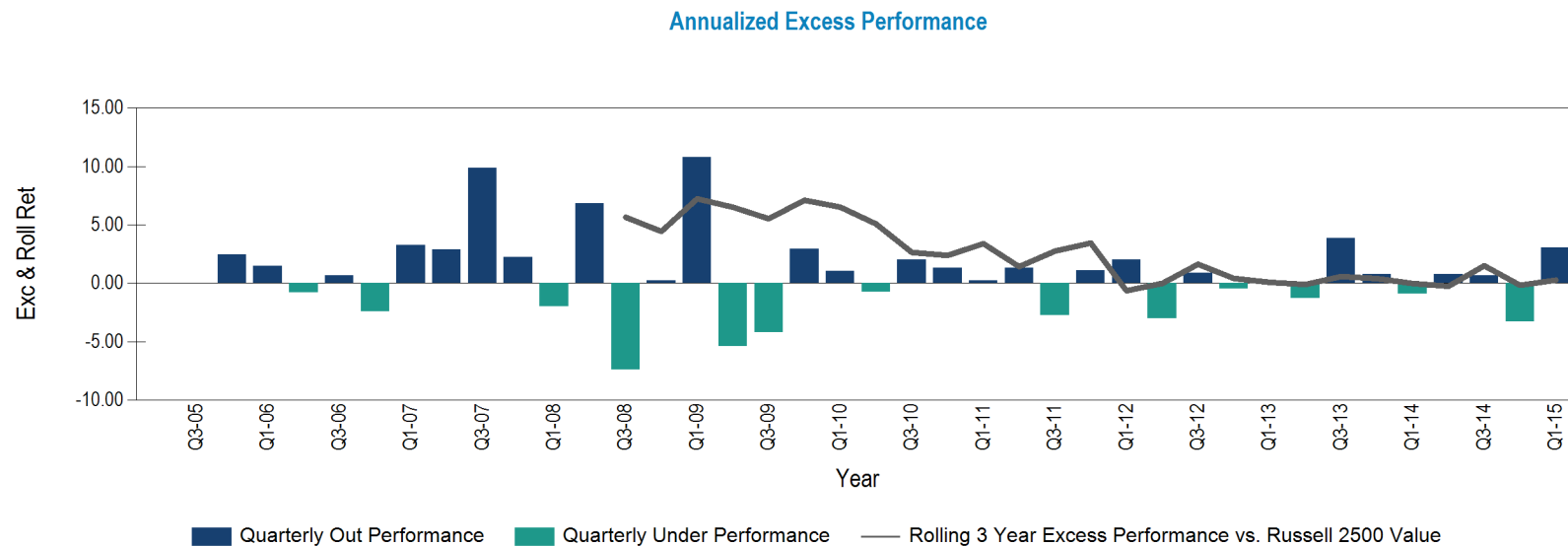
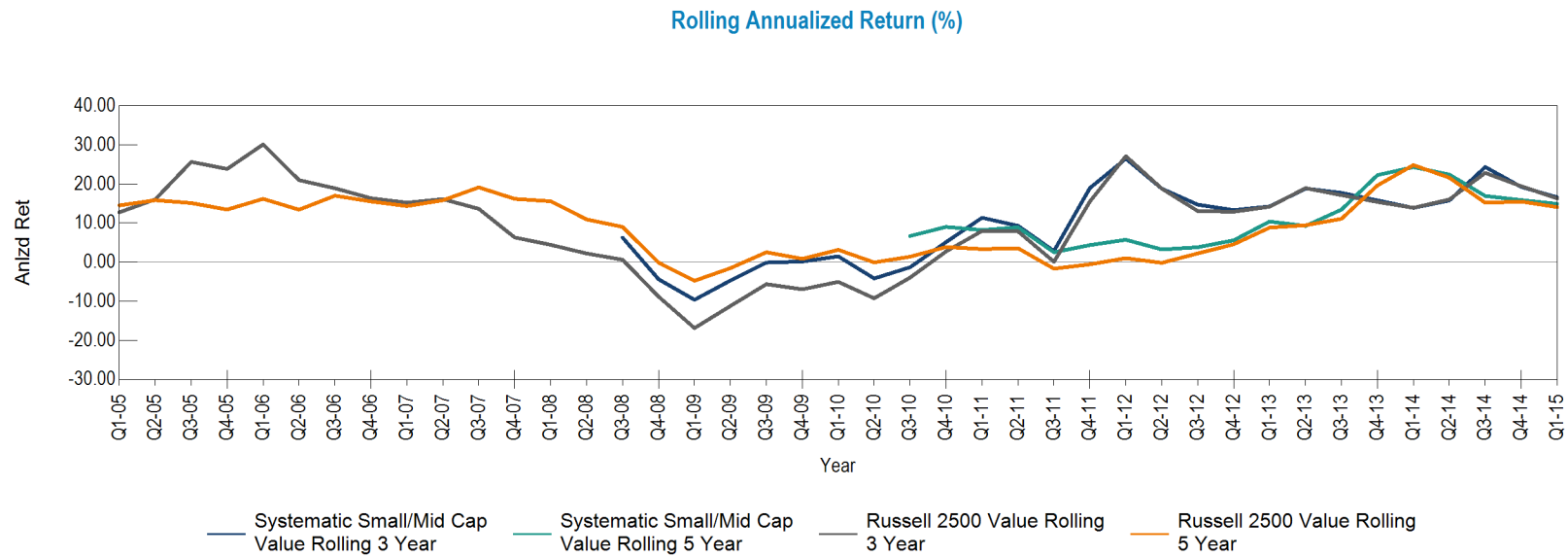


	Return (Rank)									
5th Percentile	7.1	14.5	21.0	17.5	13.7	13.3	45.6	24.7	5.8	33.9
25th Percentile	5.2	11.1	18.1	15.9	10.9	8.9	38.9	19.1	1.2	28.8
Median	4.0	8.5	16.3	14.9	10.0	6.9	35.5	16.5	-2.8	25.4
75th Percentile	2.4	4.1	14.3	13.3	8.9	2.9	32.9	13.5	-5.6	22.1
95th Percentile	-1.5	-6.9	9.8	9.4	7.6	-3.1	25.0	10.4	-11.5	17.9
# of Portfolios	86	86	85	75	43	85	83	88	71	71
● Systematic Small/Mid Cap Value	6.1 (15)	7.9 (56)	16.6 (48)	14.9 (51)	-- (--)	4.4 (69)	37.5 (38)	18.1 (35)	-4.4 (70)	28.8 (25)
▲ Russell 2500 Value	3.0 (70)	6.6 (64)	16.3 (52)	14.1 (63)	8.5 (81)	7.1 (47)	33.3 (73)	19.2 (24)	-3.4 (59)	24.8 (58)

Returns prior to inception date are composite returns.

Systematic Small/Mid Cap Value Rolling Manager Performance

Period Ending: March 31, 2015

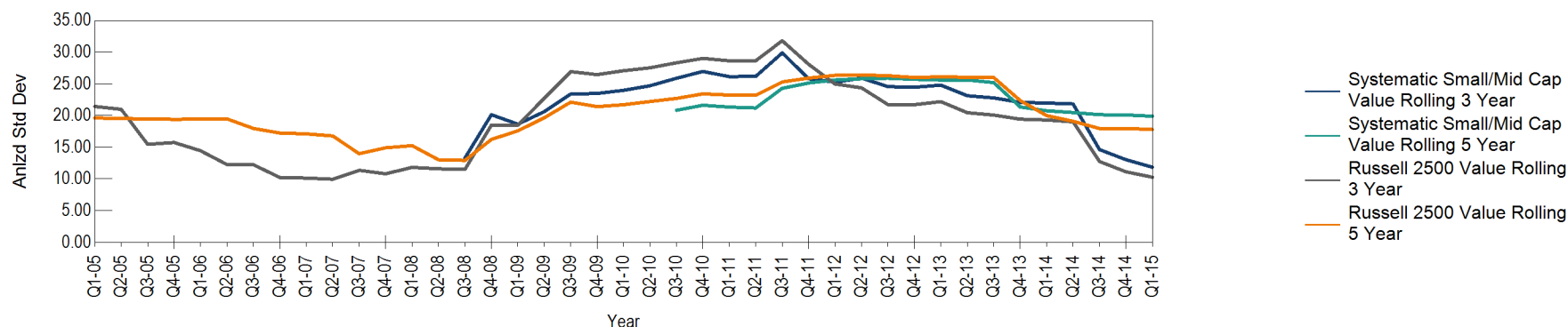


Returns prior to inception date are composite returns.

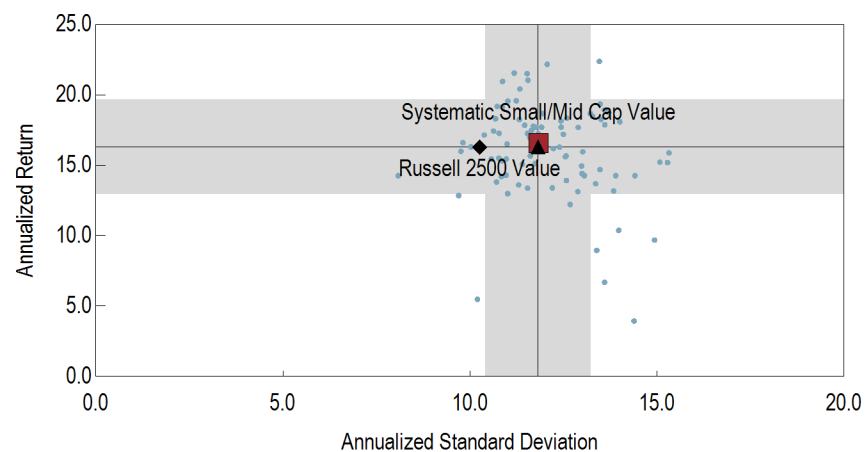
Systematic Small/Mid Cap Value Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

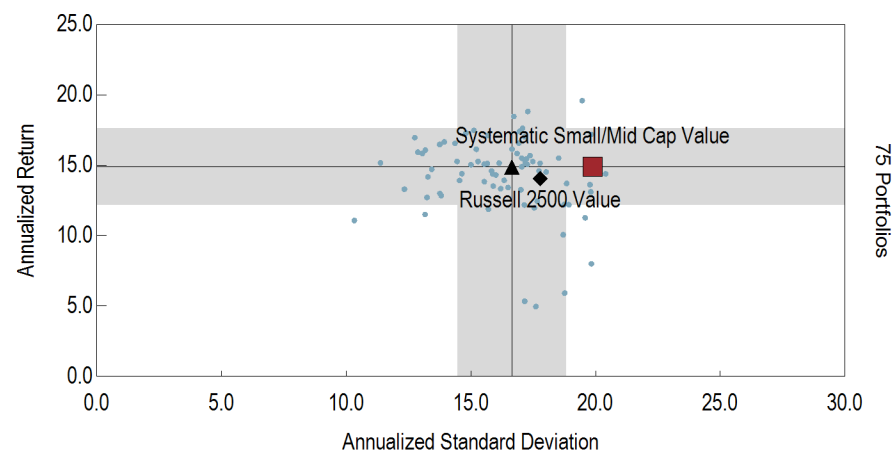
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Systematic Small/Mid Cap Value	16.6%	11.8%	1.4
Russell 2500 Value	16.3%	10.3%	1.6
eA US Small-Mid Cap Value Equity Gross Median	16.3%	11.8%	1.4

5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Systematic Small/Mid Cap Value	14.9%	19.9%	0.7
Russell 2500 Value	14.1%	17.8%	0.8
eA US Small-Mid Cap Value Equity Gross Median	14.9%	16.6%	0.9

Returns prior to inception date are composite returns.

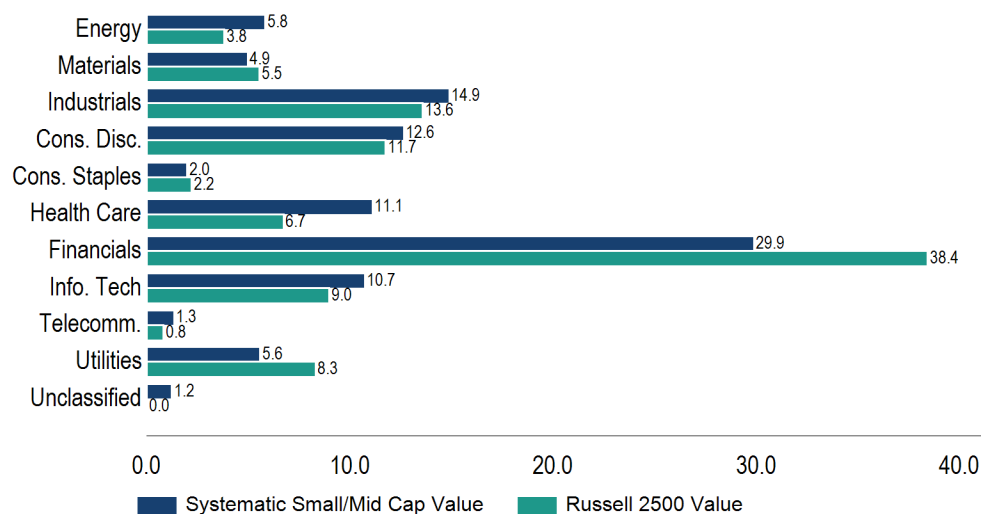
Systematic Small/Mid Cap Value Manager Portfolio Overview

Period Ending: March 31, 2015

Characteristics

	Portfolio	Russell 2500 Value
Number of Holdings	96	1,729
Weighted Avg. Market Cap. (\$B)	6.15	4.07
Median Market Cap. (\$B)	4.62	0.99
Price To Earnings	24.15	22.27
Price To Book	3.11	2.08
Price To Sales	2.20	2.45
Return on Equity (%)	16.54	9.08
Yield (%)	1.38	1.80
Beta	1.08	1.00

Sector Allocation (%) vs Russell 2500 Value



Largest Holdings

	End Weight	Return
WEBSTER FINANCIAL	2.87	14.58
CBRE GROUP CLASS A	2.61	13.02
ALLISON TNSM.HOLDINGS	2.49	-5.34
RAYMOND JAMES FINL.	2.42	-0.58
VOYA FINANCIAL	2.01	1.75
BIOMED REALTY TRUST	1.94	6.42
AMER.EAG.OUTFITTERS	1.91	23.05
LIBERTY PROPERTY TST.	1.86	-3.87
DUPONT FABROS TECHNOLOGY	1.79	-0.42
ITT	1.75	-1.07

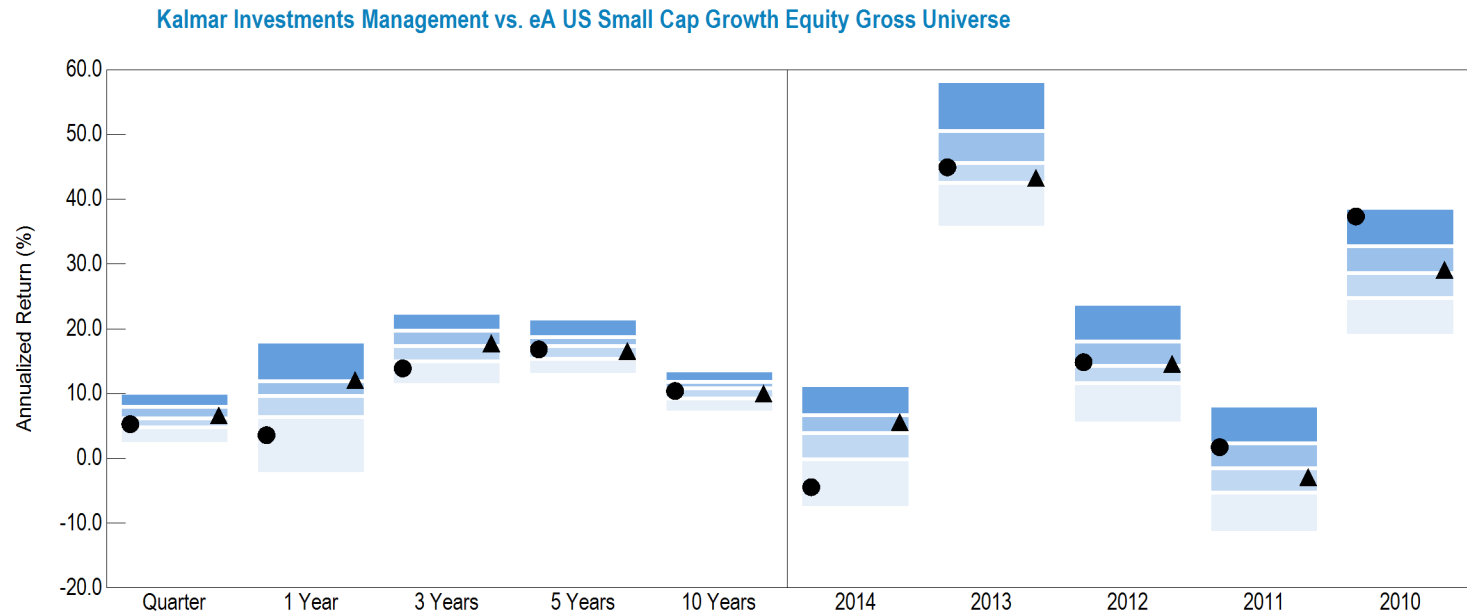
Top Contributors

	Avg Wgt	Return	Contribution
SKYWORKS SOLUTIONS	1.67	35.39	0.59
ELECTRONIC ARTS	1.71	25.10	0.43
WEBSTER FINANCIAL	2.67	14.58	0.39
TRINITY INDUSTRIES	1.39	27.27	0.38
CENTENE	0.98	36.14	0.35
AMER.EAG.OUTFITTERS	1.53	23.05	0.35
HOLOGIC	1.47	23.50	0.35
PBF ENERGY CL.A	1.14	28.57	0.33
JETBLUE AIRWAYS	1.39	21.37	0.30
CBRE GROUP CLASS A	2.11	13.02	0.27

Bottom Contributors

	Avg Wgt	Return	Contribution
LANDS END	0.71	-33.51	-0.24
DECKERS OUTDOOR	1.14	-19.96	-0.23
PILGRIMS PRIDE	1.08	-16.94	-0.18
CON-WAY	1.72	-9.96	-0.17
ALLISON TNSM.HOLDINGS	2.81	-5.34	-0.15
HELIX ENERGY SLTN.GP.	0.46	-31.06	-0.14
F5 NETWORKS	1.14	-11.90	-0.14
LIFELOCK	0.53	-23.77	-0.13
UNITED STATES STEEL	1.36	-8.57	-0.12
AMEREN	1.43	-7.61	-0.11

Unclassified sector allocation includes cash allocations.

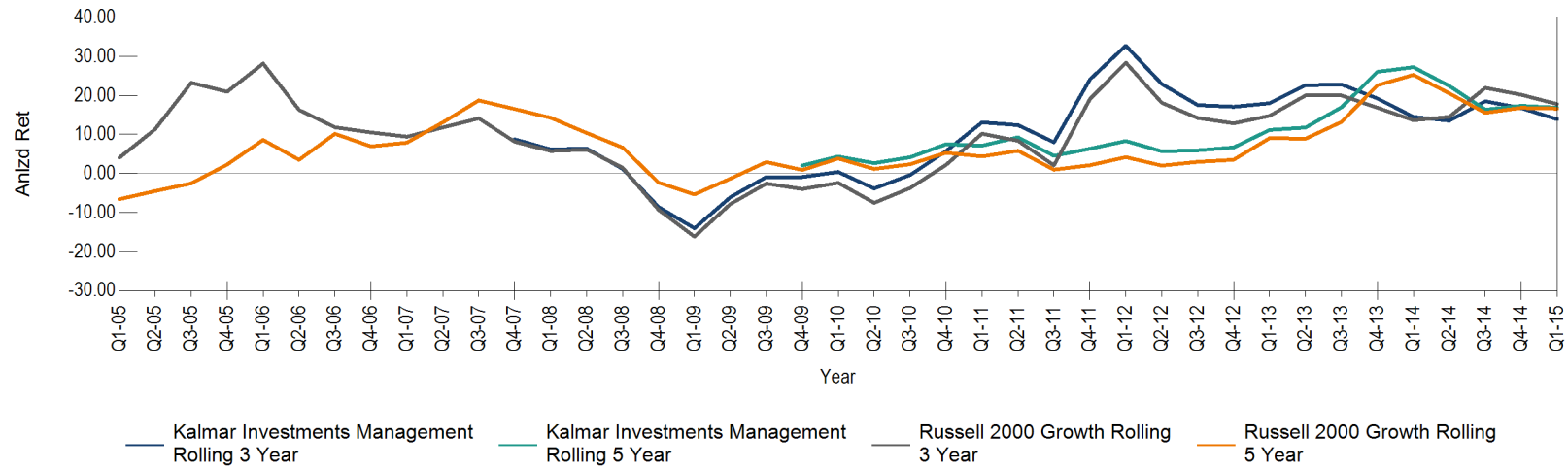


	Return (Rank)									
5th Percentile	10.1	18.0	22.4	21.5	13.6	11.3	58.2	23.8	8.1	38.6
25th Percentile	8.0	12.0	19.8	18.8	11.9	6.7	50.6	18.0	2.4	32.8
Median	6.2	9.7	17.4	17.3	10.8	3.9	45.6	14.3	-1.5	28.6
75th Percentile	4.9	6.4	15.0	15.4	9.3	-0.1	42.6	11.6	-5.2	24.8
95th Percentile	2.3	-2.4	11.4	12.9	7.2	-7.6	35.6	5.4	-11.5	19.0
# of Portfolios	163	163	154	147	118	161	160	162	166	169
● Kalmar Investments Management	5.3 (68)	3.6 (89)	13.9 (83)	16.8 (56)	10.4 (58)	-4.5 (89)	44.9 (56)	14.8 (44)	1.7 (32)	37.3 (10)
▲ Russell 2000 Growth	6.6 (45)	12.1 (25)	17.7 (47)	16.6 (60)	10.0 (67)	5.6 (32)	43.3 (70)	14.6 (48)	-2.9 (60)	29.1 (46)

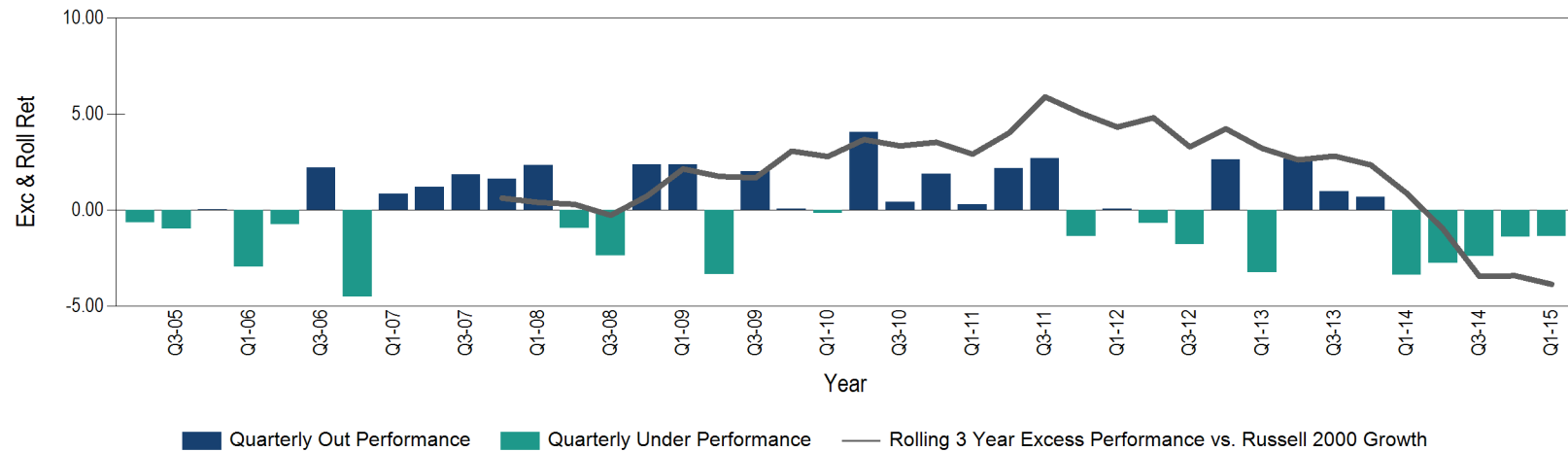
Kalmar Investments Management Rolling Manager Performance

Period Ending: March 31, 2015

Rolling Annualized Return (%)



Annualized Excess Performance

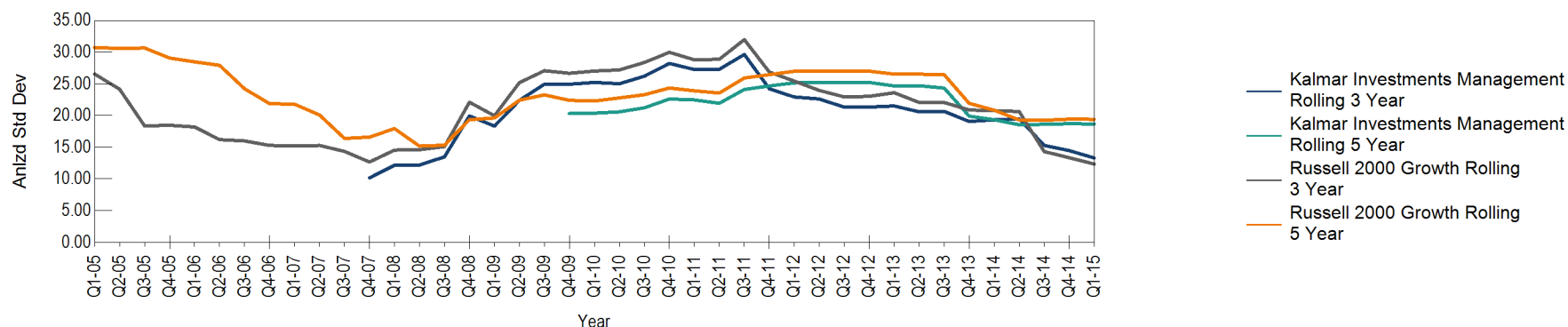


Kalmar Investments Management

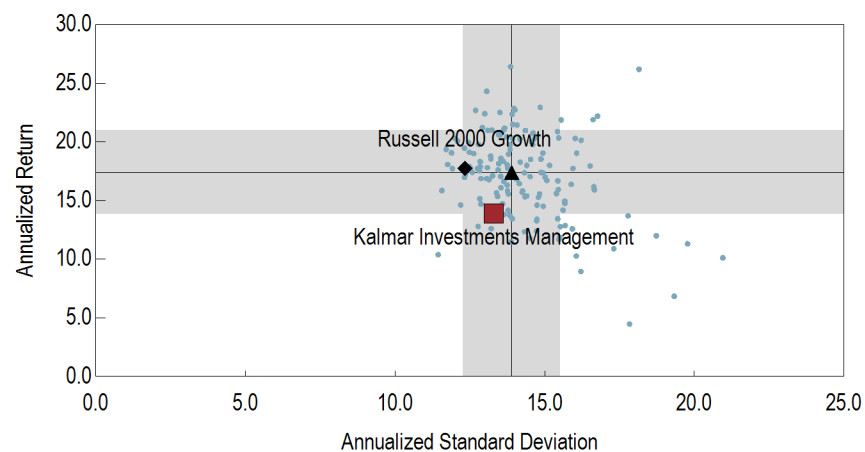
Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

Rolling Annualized Standard Deviation



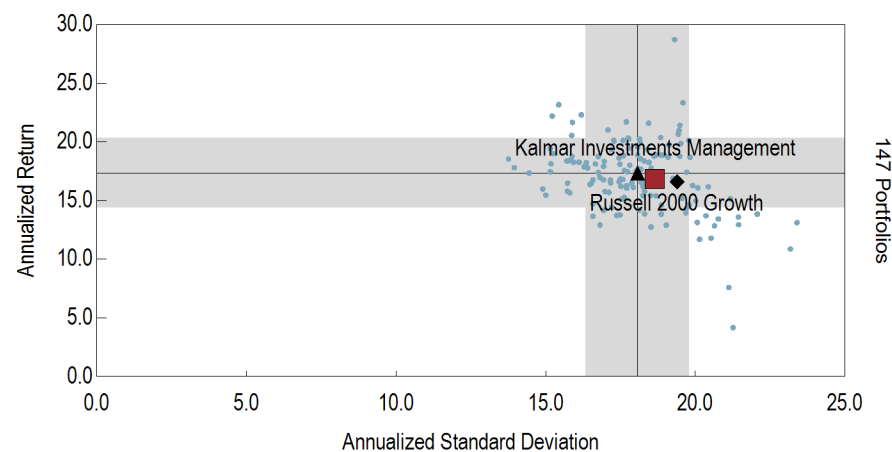
3 Years



3 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Kalmar Investments Management	13.9%	13.3%	1.0
Russell 2000 Growth	17.7%	12.3%	1.4
eA US Small Cap Growth Equity Gross Median	17.4%	13.9%	1.3

5 Years



5 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Kalmar Investments Management	16.8%	18.7%	0.9
Russell 2000 Growth	16.6%	19.4%	0.9
eA US Small Cap Growth Equity Gross Median	17.3%	18.1%	1.0

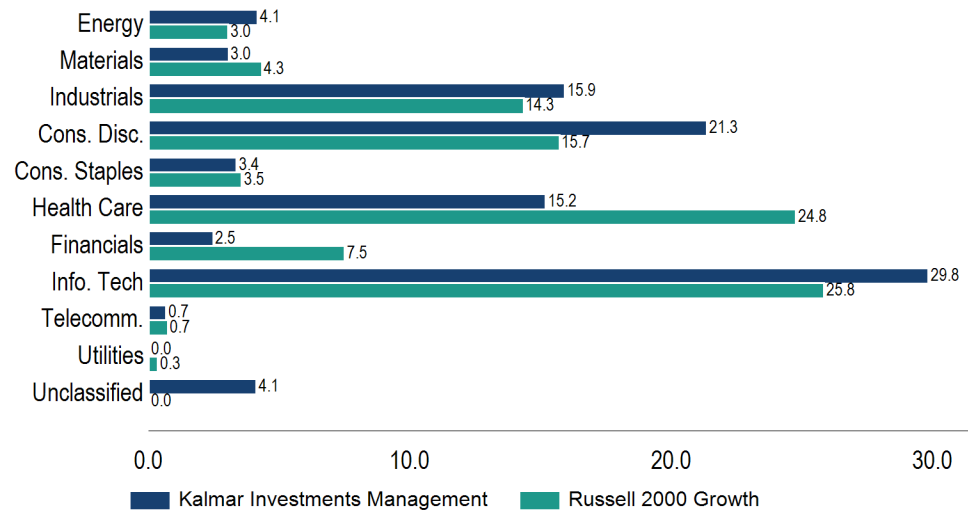
Kalmar Investments Management Manager Portfolio Overview

Period Ending: March 31, 2015

Characteristics

	Portfolio	Russell 2000 Growth
Number of Holdings	84	1,188
Weighted Avg. Market Cap. (\$B)	2.99	2.38
Median Market Cap. (\$B)	1.67	0.88
Price To Earnings	31.78	30.67
Price To Book	4.28	5.28
Price To Sales	3.04	3.28
Return on Equity (%)	14.88	16.59
Yield (%)	0.44	0.46
Beta	1.02	1.00

Sector Allocation (%) vs Russell 2000 Growth



Largest Holdings

	End Weight	Return
WEST PHARM.SVS.	2.73	13.33
BELDEN	2.67	18.78
ROGERS	2.56	0.95
UNITED NATURAL FOODS	2.25	-0.37
DSW 'A'	2.17	-0.60
ALLIANCE DATA SYSTEMS	2.14	3.57
POLYONE	2.09	-1.23
ULTIMATE SOFTWARE GP.	1.93	15.76
TREX	1.87	28.06
IMAX (NYS)	1.79	9.09

Top Contributors

	Avg Wgt	Return	Contribution
CAMBREX	1.33	83.30	1.11
LIFETIME FITNESS	2.25	25.33	0.57
OXFORD INDUSTRIES	1.32	37.18	0.49
BELDEN	2.51	18.78	0.47
METHODE ELTN.	1.54	29.16	0.45
LIGAND PHARMS.'B'	0.97	44.92	0.43
AKORN	1.34	31.24	0.42
TREX	1.48	28.06	0.42
GENTHERM	0.89	37.93	0.34
WEST PHARM.SVS.	2.52	13.33	0.34

Bottom Contributors

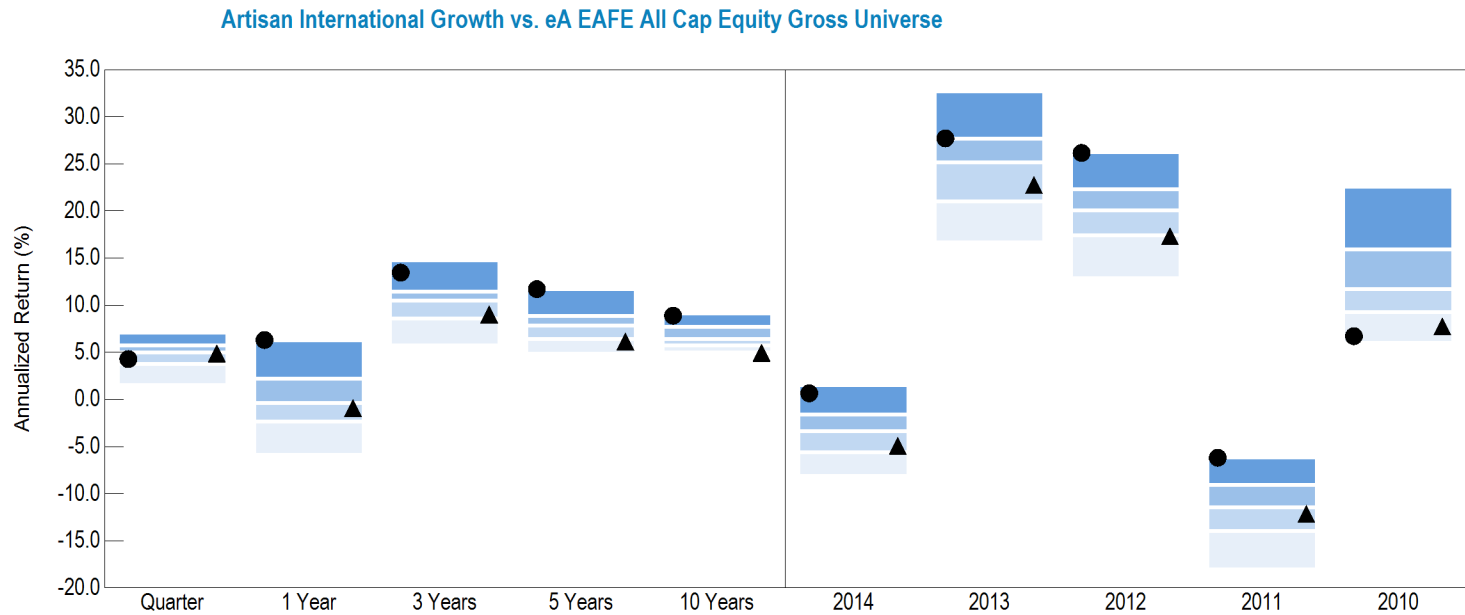
	Avg Wgt	Return	Contribution
WAGeworks	1.70	-17.41	-0.30
CALLIDUS SOFTWARE	1.32	-22.35	-0.29
DEALERTRACK TECHNOLOGIES	2.13	-13.07	-0.28
CARPENTER TECH.	1.03	-20.70	-0.21
DEL FRISCO'S RESTAURANT GP.	1.03	-15.12	-0.16
ACXIOM	1.70	-8.78	-0.15
TENNANT	1.48	-9.15	-0.14
LUMINEX	0.91	-14.71	-0.13
MSC INDL.DIRECT 'A'	1.19	-10.66	-0.13
BANKRATE	1.31	-8.77	-0.11

Unclassified sector allocation include cash allocations.

International Equity Managers

Artisan International Growth Manager Performance Comparisons

Period Ending: March 31, 2015

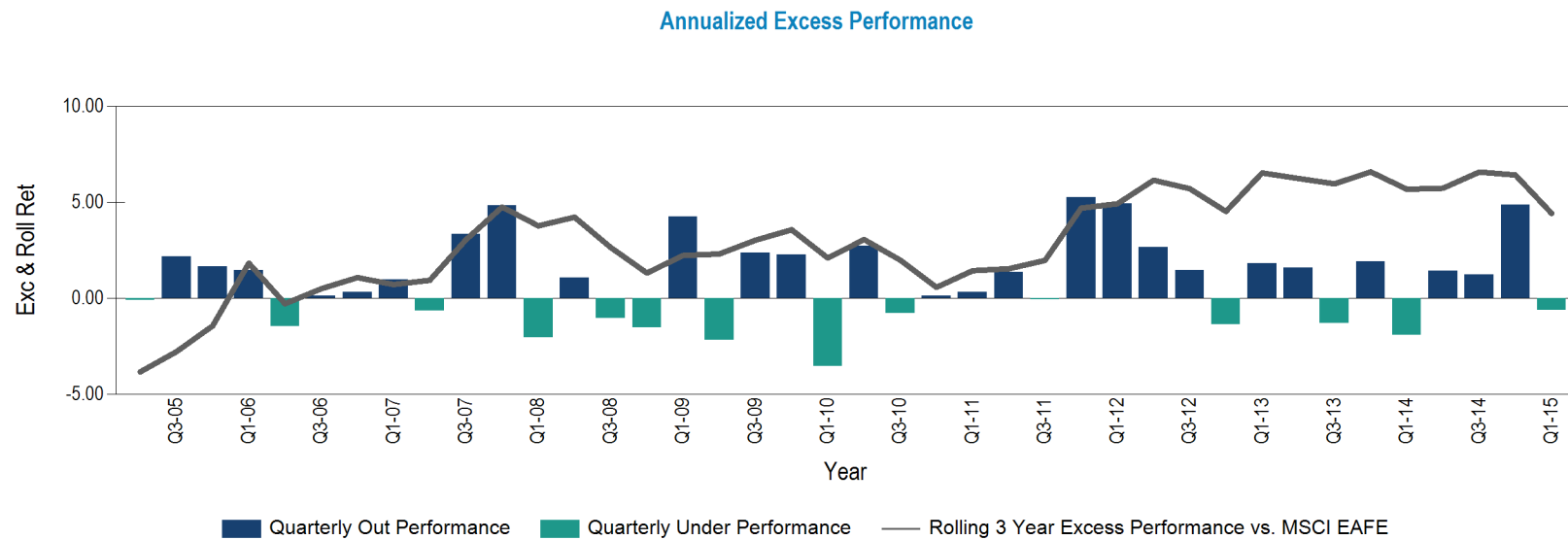
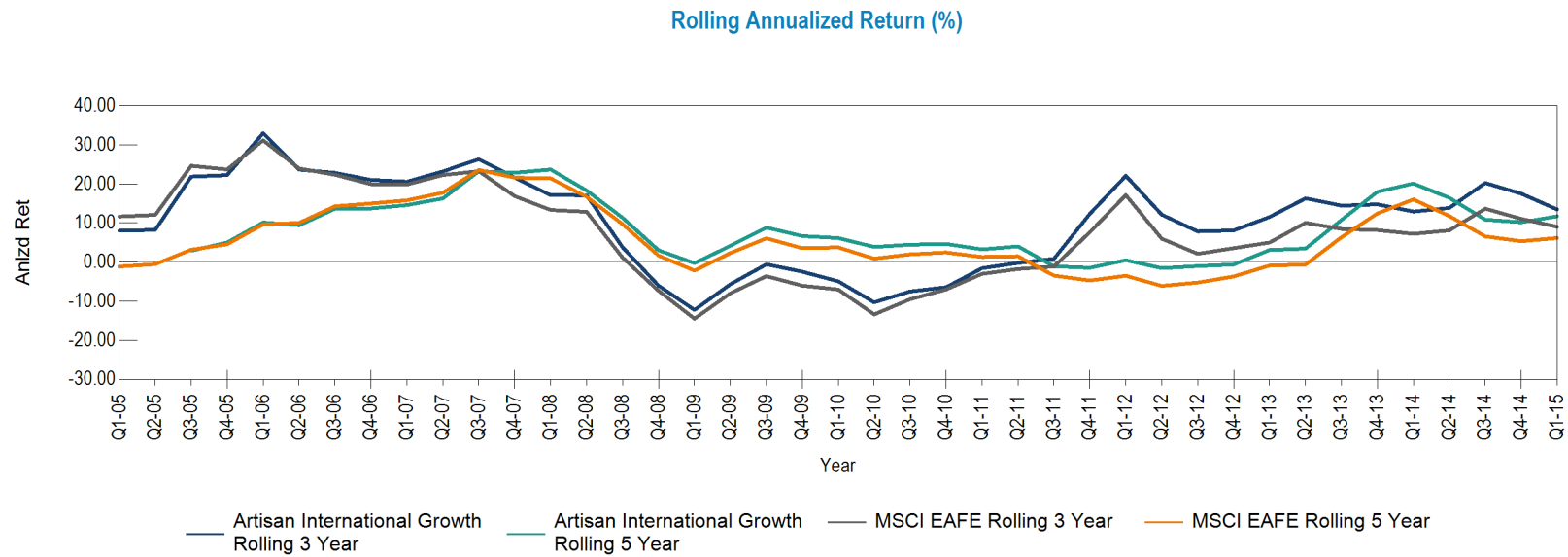


	Return (Rank)									
5th Percentile	7.1	6.3	14.7	11.7	9.1	1.5	32.7	26.2	-6.2	22.6
25th Percentile	5.7	2.2	11.5	8.9	7.8	-1.6	27.7	22.3	-9.0	16.0
Median	5.0	-0.4	10.5	7.8	6.5	-3.4	25.2	20.1	-11.4	11.7
75th Percentile	3.8	-2.3	8.6	6.5	5.7	-5.6	21.0	17.5	-13.9	9.3
95th Percentile	1.6	-5.8	5.8	4.9	5.0	-8.1	16.7	12.9	-18.0	6.1
# of Portfolios	85	84	83	78	56	85	78	73	76	96
● Artisan International Growth	4.3 (67)	6.3 (5)	13.5 (10)	11.7 (5)	8.9 (7)	0.7 (12)	27.7 (26)	26.2 (6)	-6.2 (6)	6.7 (91)
▲ MSCI EAFE	4.9 (52)	-0.9 (61)	9.0 (71)	6.2 (79)	4.9 (97)	-4.9 (70)	22.8 (66)	17.3 (77)	-12.1 (57)	7.8 (86)

Returns prior to inception date are composite returns.

Artisan International Growth Rolling Manager Performance

Period Ending: March 31, 2015

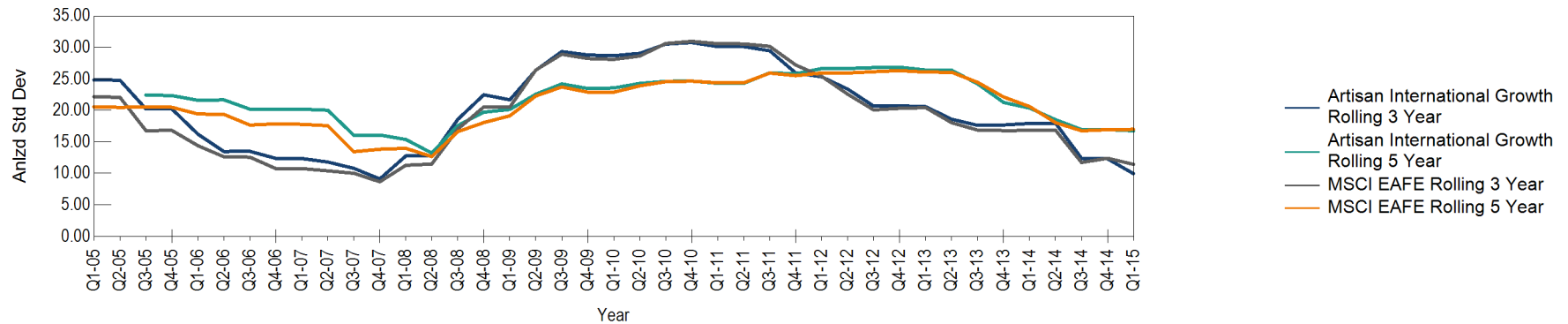


Returns prior to inception date are composite returns.

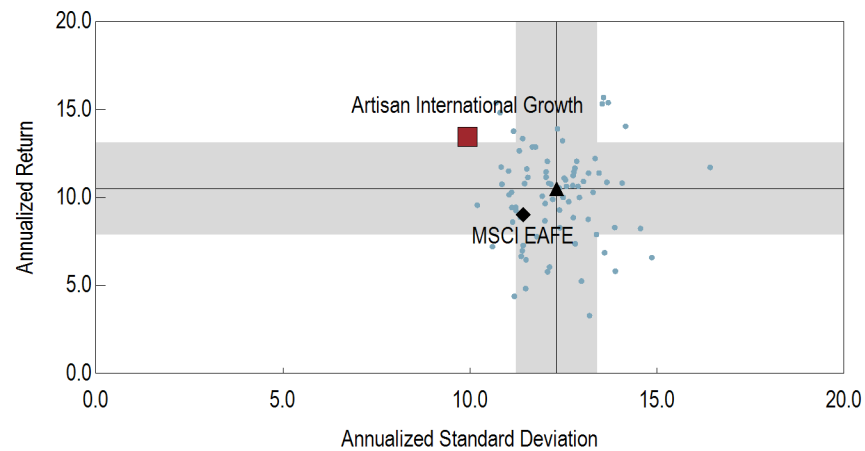
Artisan International Growth Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

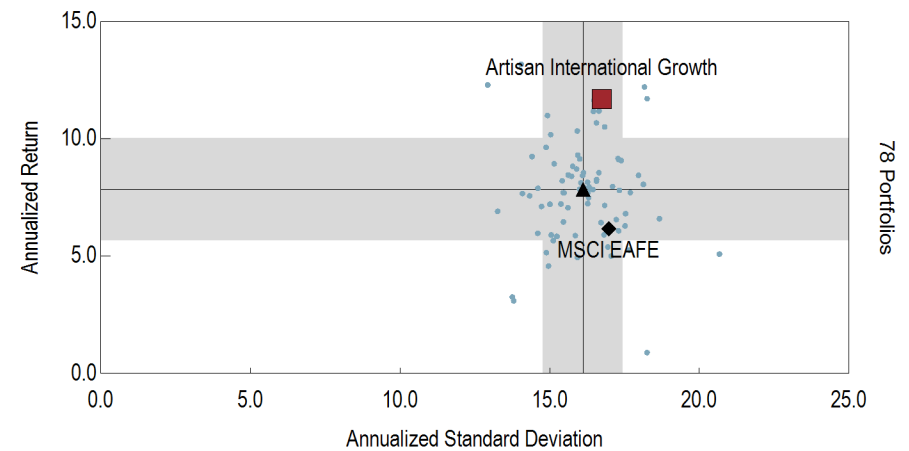
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Artisan International Growth	13.5%	9.9%	1.3
MSCI EAFE	9.0%	11.4%	0.8
eA EAFE All Cap Equity Gross Median	10.5%	12.3%	0.8

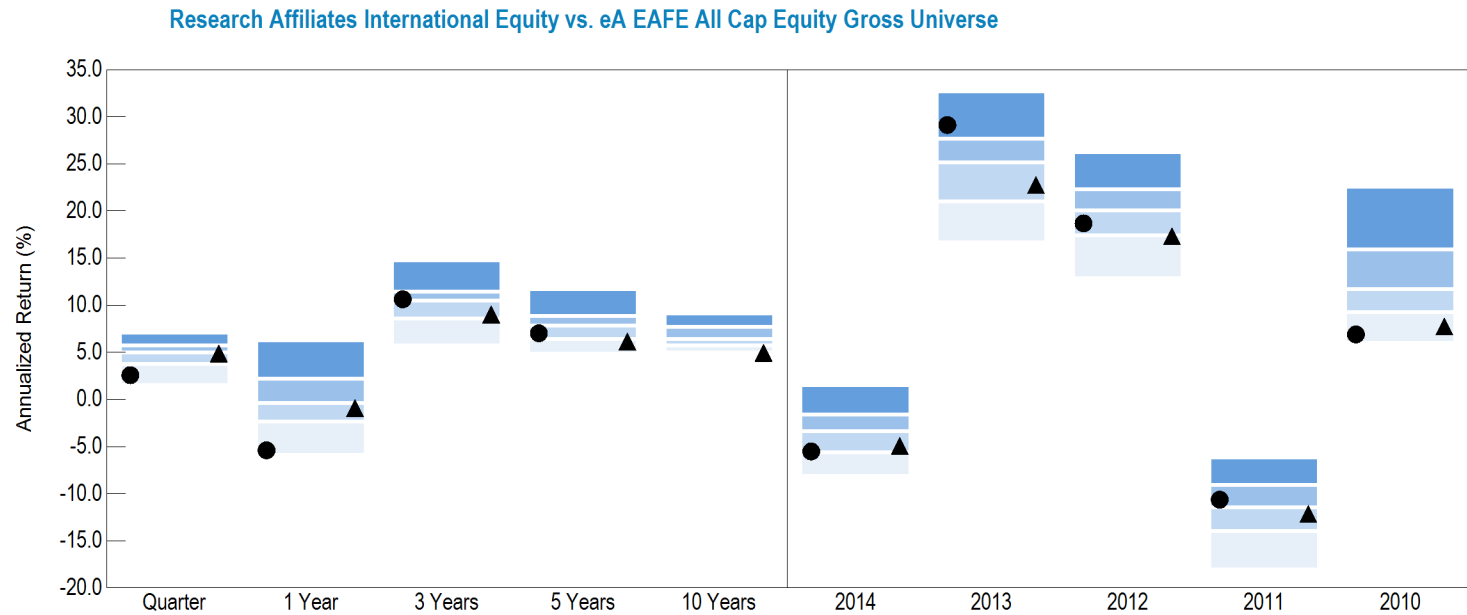
5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Artisan International Growth	11.7%	16.7%	0.7
MSCI EAFE	6.2%	17.0%	0.4
eA EAFE All Cap Equity Gross Median	7.8%	16.1%	0.5

Returns prior to inception date are composite returns.

Research Affiliates International Equity Manager Performance Comparisons

Period Ending: March 31, 2015

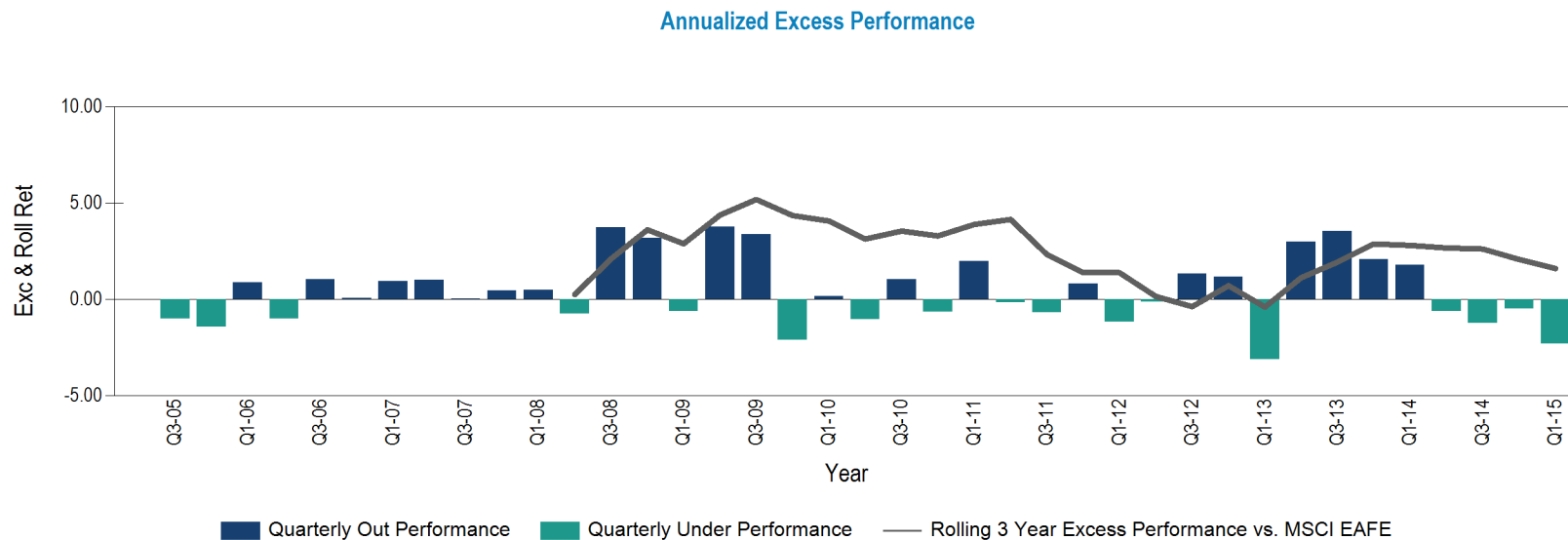
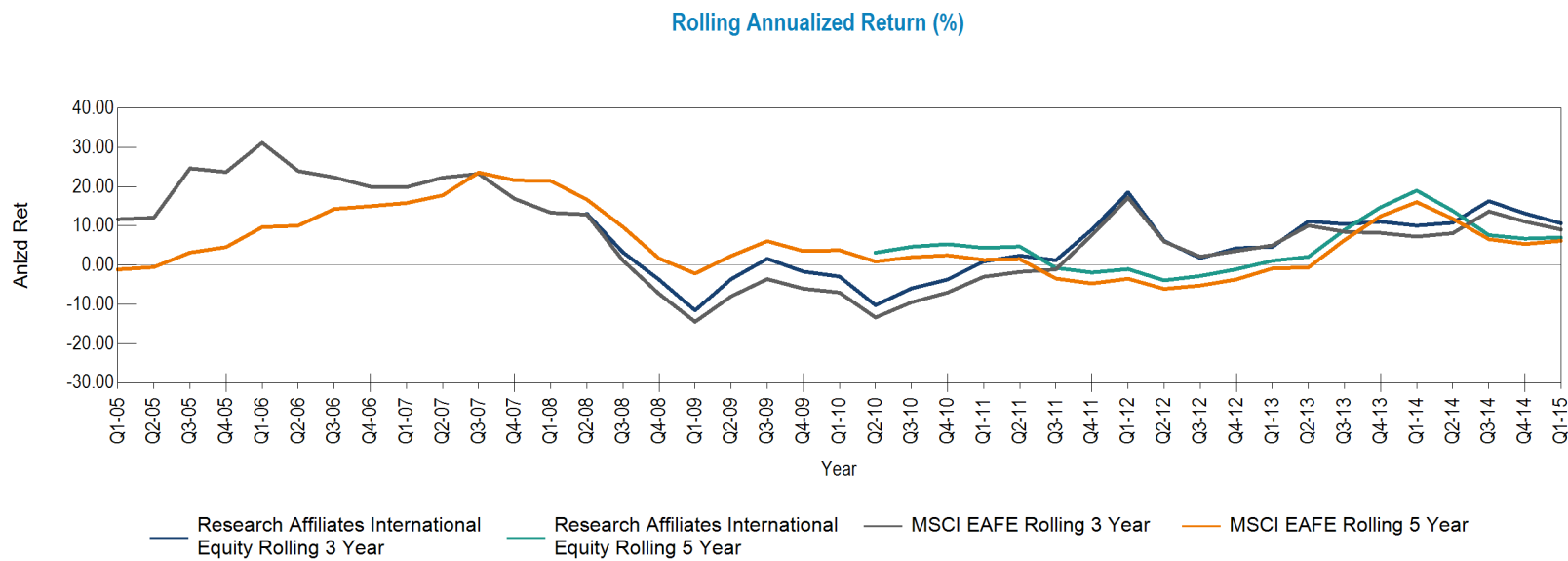


	Return (Rank)									
5th Percentile	7.1	6.3	14.7	11.7	9.1	1.5	32.7	26.2	-6.2	22.6
25th Percentile	5.7	2.2	11.5	8.9	7.8	-1.6	27.7	22.3	-9.0	16.0
Median	5.0	-0.4	10.5	7.8	6.5	-3.4	25.2	20.1	-11.4	11.7
75th Percentile	3.8	-2.3	8.6	6.5	5.7	-5.6	21.0	17.5	-13.9	9.3
95th Percentile	1.6	-5.8	5.8	4.9	5.0	-8.1	16.7	12.9	-18.0	6.1
# of Portfolios	85	84	83	78	56	85	78	73	76	96
● Research Affiliates International Equity	2.6 (93)	-5.4 (94)	10.6 (47)	7.0 (70)	-- (--)	-5.5 (74)	29.1 (14)	18.7 (63)	-10.6 (42)	6.9 (90)
▲ MSCI EAFE	4.9 (52)	-0.9 (61)	9.0 (71)	6.2 (79)	4.9 (97)	-4.9 (70)	22.8 (66)	17.3 (77)	-12.1 (57)	7.8 (86)

Returns prior to inception date are composite returns.

Research Affiliates International Equity Rolling Manager Performance

Period Ending: March 31, 2015

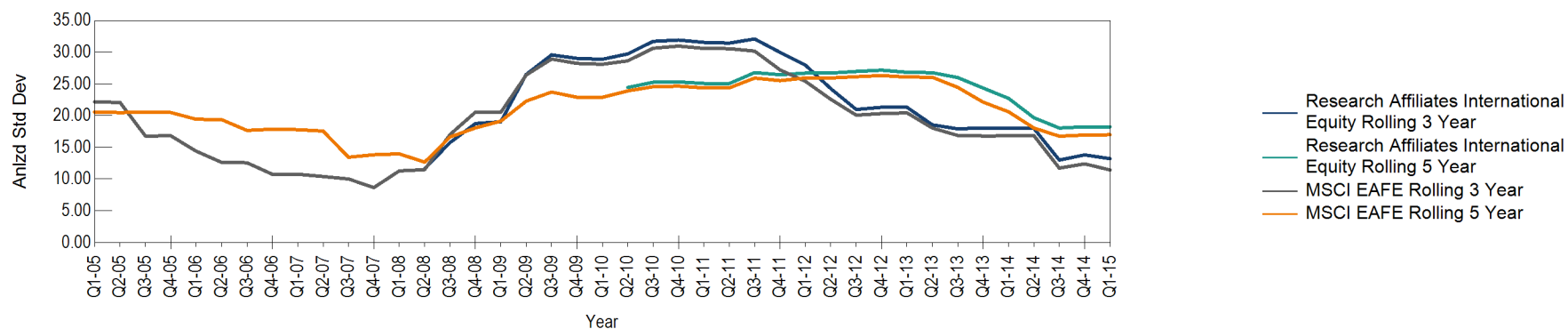


Returns prior to inception date are composite returns.

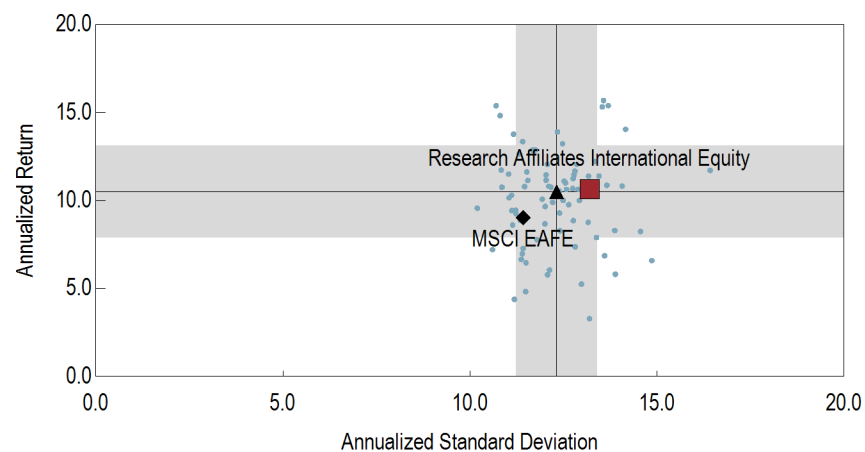
Research Affiliates International Equity Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

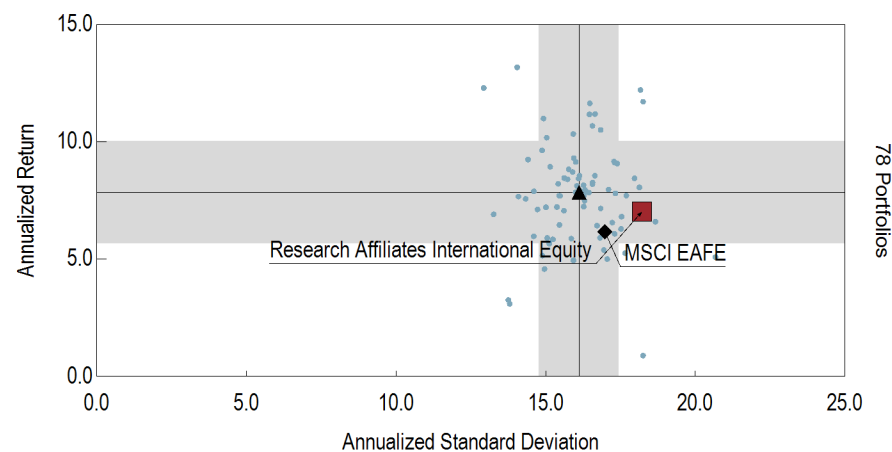
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Mondrian International Small Cap	8.6%	11.3%	0.8
S&P Developed Ex-U.S. SmallCap	9.9%	13.4%	0.7
eA EAFE All Cap Equity Gross Median	10.5%	12.3%	0.8

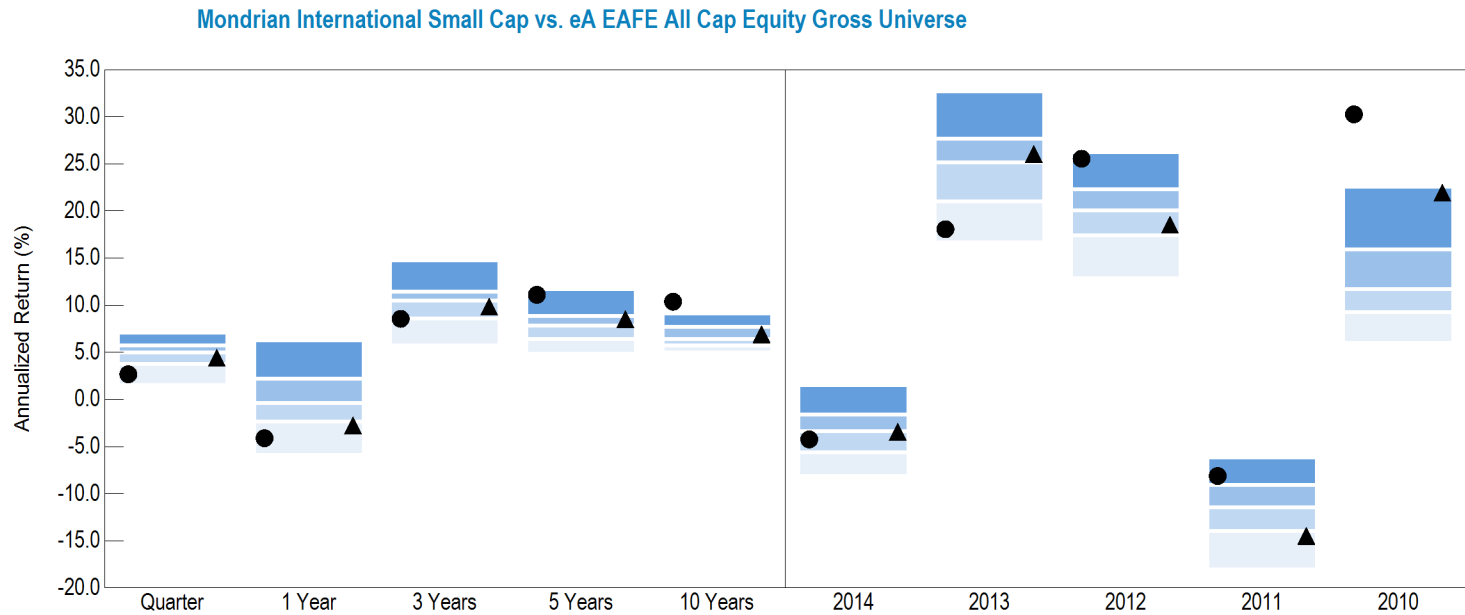
5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Mondrian International Small Cap	11.1%	16.1%	0.7
S&P Developed Ex-U.S. SmallCap	8.5%	18.4%	0.5
eA EAFE All Cap Equity Gross Median	7.8%	16.1%	0.5

Returns prior to inception date are composite returns.

Mondrian International Small Cap Manager Performance Comparisons

Period Ending: March 31, 2015

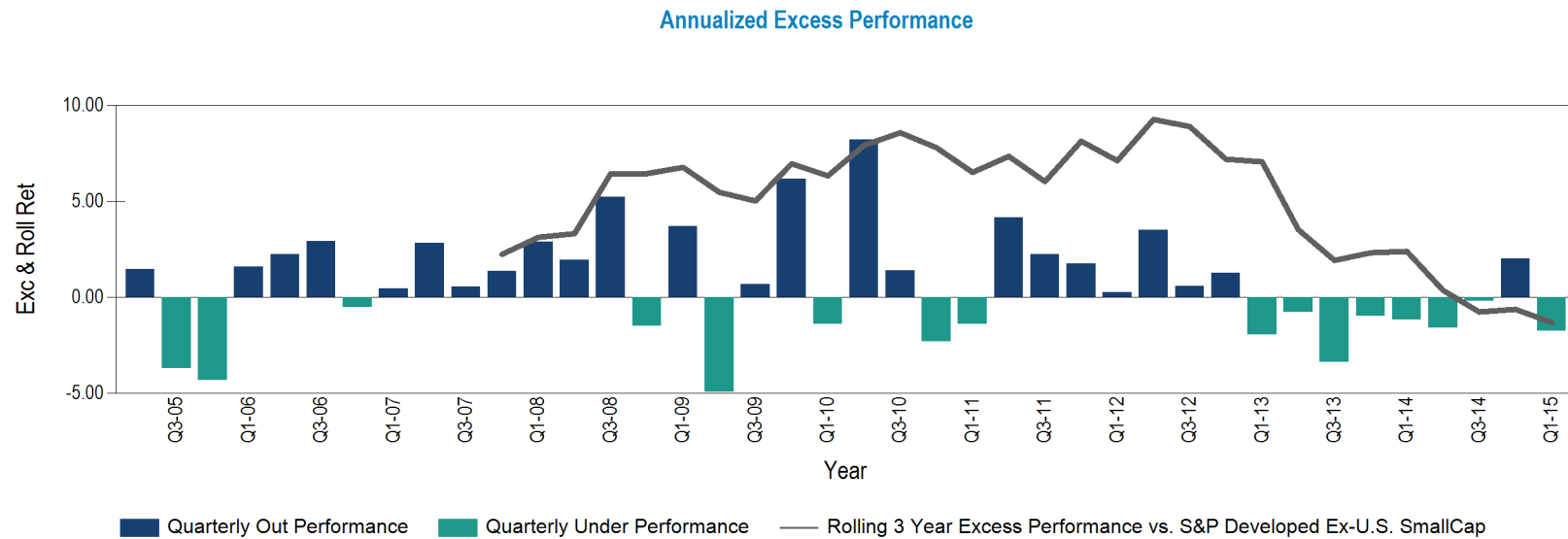
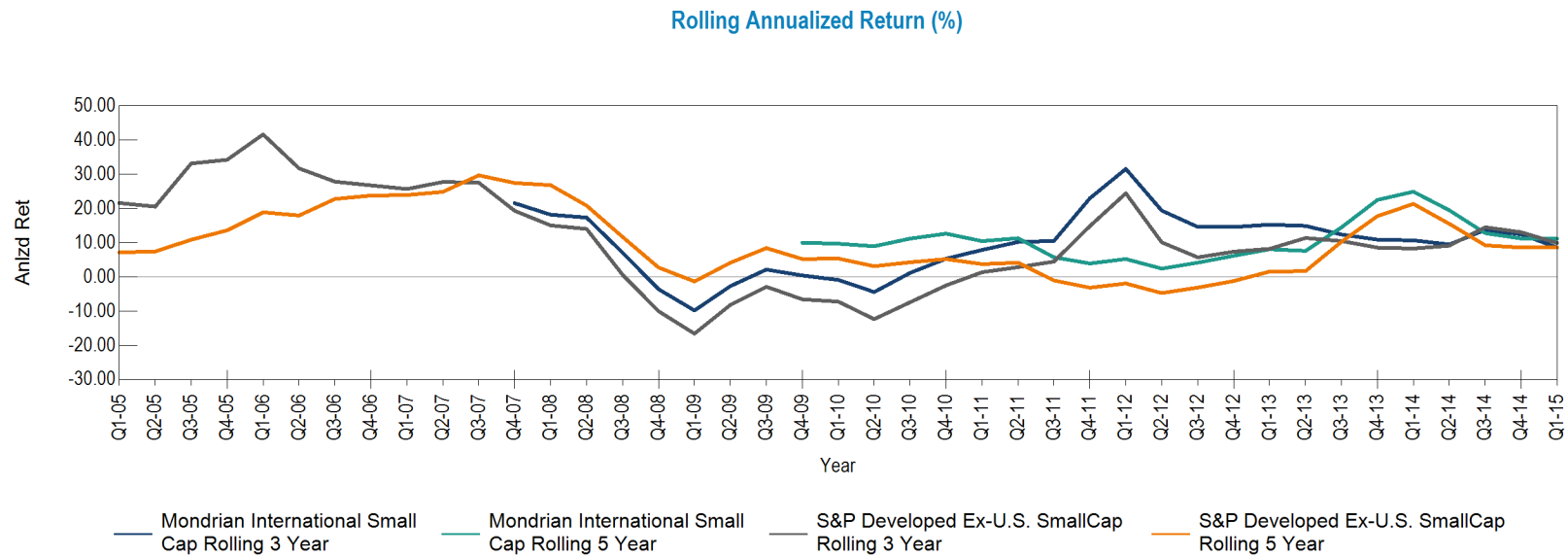


	Return (Rank)									
5th Percentile	7.1	6.3	14.7	11.7	9.1	1.5	32.7	26.2	-6.2	22.6
25th Percentile	5.7	2.2	11.5	8.9	7.8	-1.6	27.7	22.3	-9.0	16.0
Median	5.0	-0.4	10.5	7.8	6.5	-3.4	25.2	20.1	-11.4	11.7
75th Percentile	3.8	-2.3	8.6	6.5	5.7	-5.6	21.0	17.5	-13.9	9.3
95th Percentile	1.6	-5.8	5.8	4.9	5.0	-8.1	16.7	12.9	-18.0	6.1
# of Portfolios	85	84	83	78	56	85	78	73	76	96
● Mondrian International Small Cap	2.7 (92)	-4.1 (88)	8.6 (76)	11.1 (9)	10.4 (1)	-4.2 (63)	18.1 (93)	25.5 (9)	-8.1 (19)	30.3 (1)
▲ S&P Developed Ex-U.S. SmallCap	4.4 (63)	-2.8 (80)	9.9 (62)	8.5 (31)	6.9 (41)	-3.4 (53)	26.1 (41)	18.6 (65)	-14.5 (80)	22.0 (6)

Returns prior to inception date are composite returns.

Mondrian International Small Cap Rolling Manager Performance

Period Ending: March 31, 2015

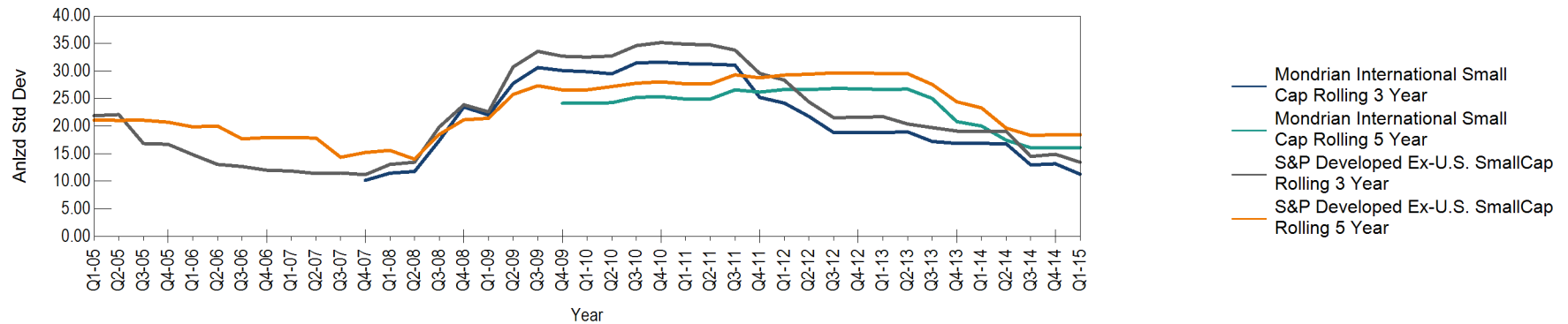


Returns prior to inception date are composite returns.

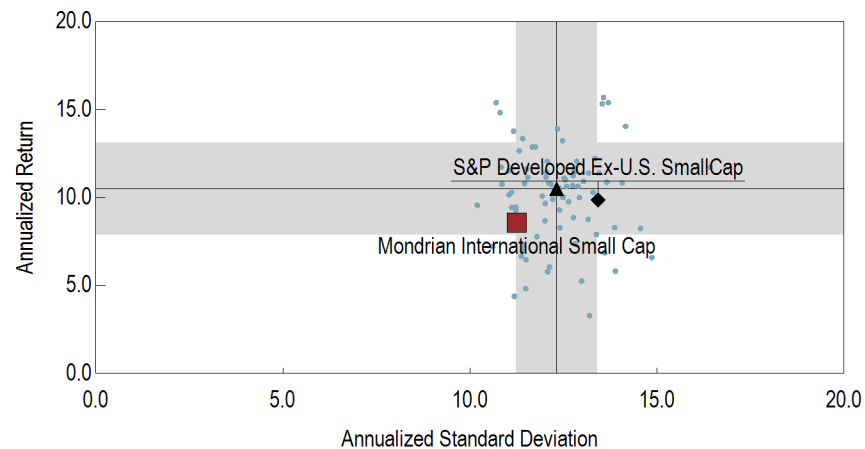
Mondrian International Small Cap Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

Rolling Annualized Standard Deviation



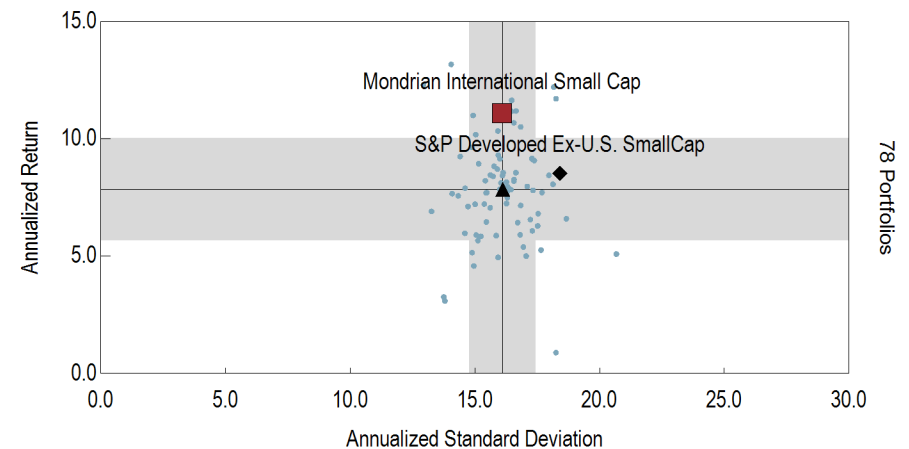
3 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Mondrian International Small Cap	8.6%	11.3%	0.8
S&P Developed Ex-U.S. SmallCap	9.9%	13.4%	0.7
eA EAFE All Cap Equity Gross Median	10.5%	12.3%	0.8

5 Years



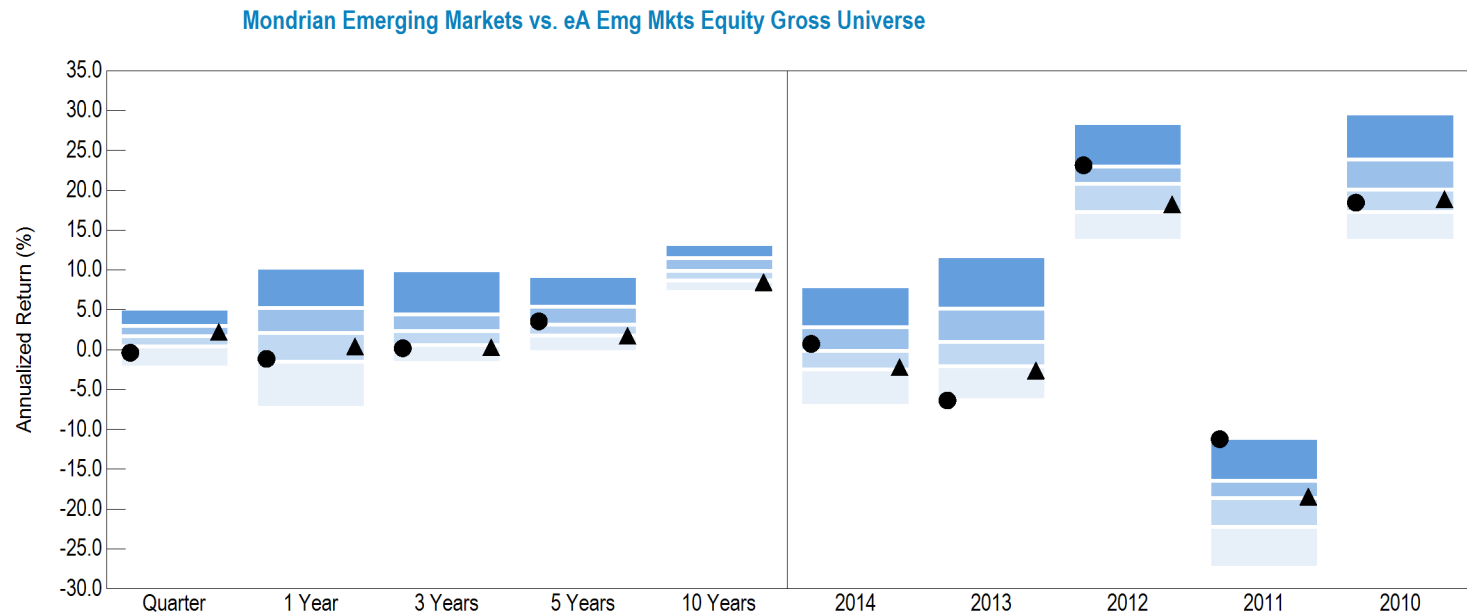
5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Mondrian International Small Cap	11.1%	16.1%	0.7
S&P Developed Ex-U.S. SmallCap	8.5%	18.4%	0.5
eA EAFE All Cap Equity Gross Median	7.8%	16.1%	0.5

Returns prior to inception date are composite returns.

Mondrian Emerging Markets Manager Performance Comparisons

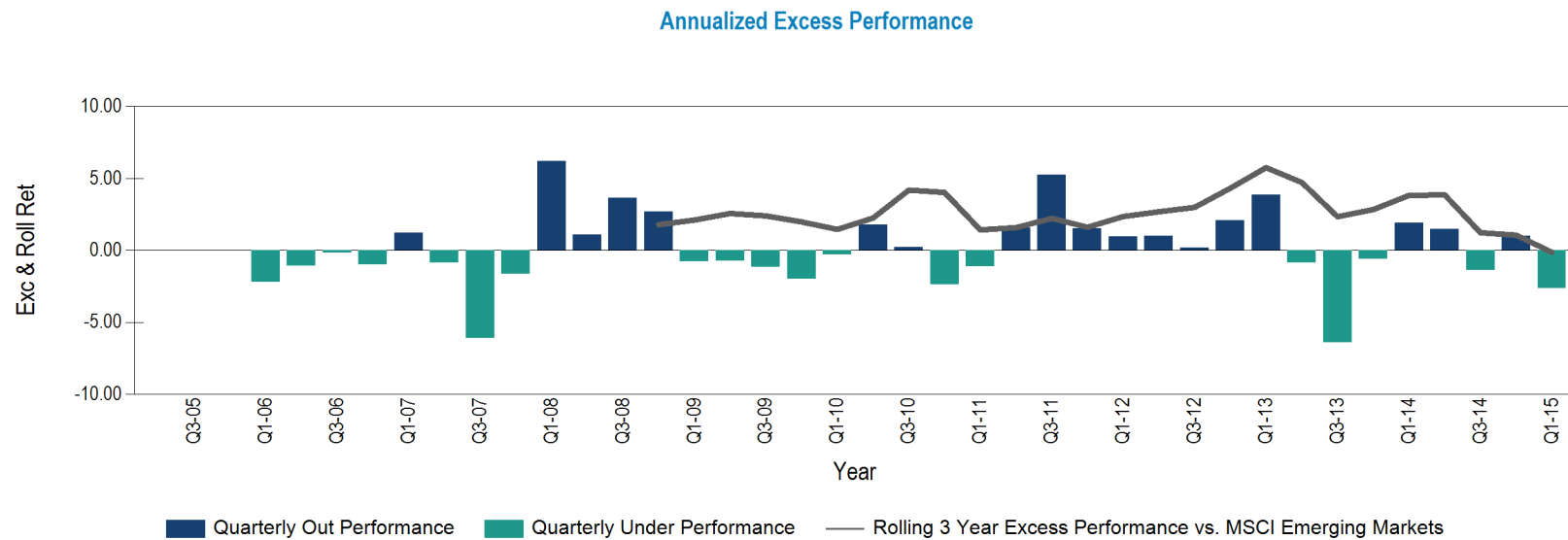
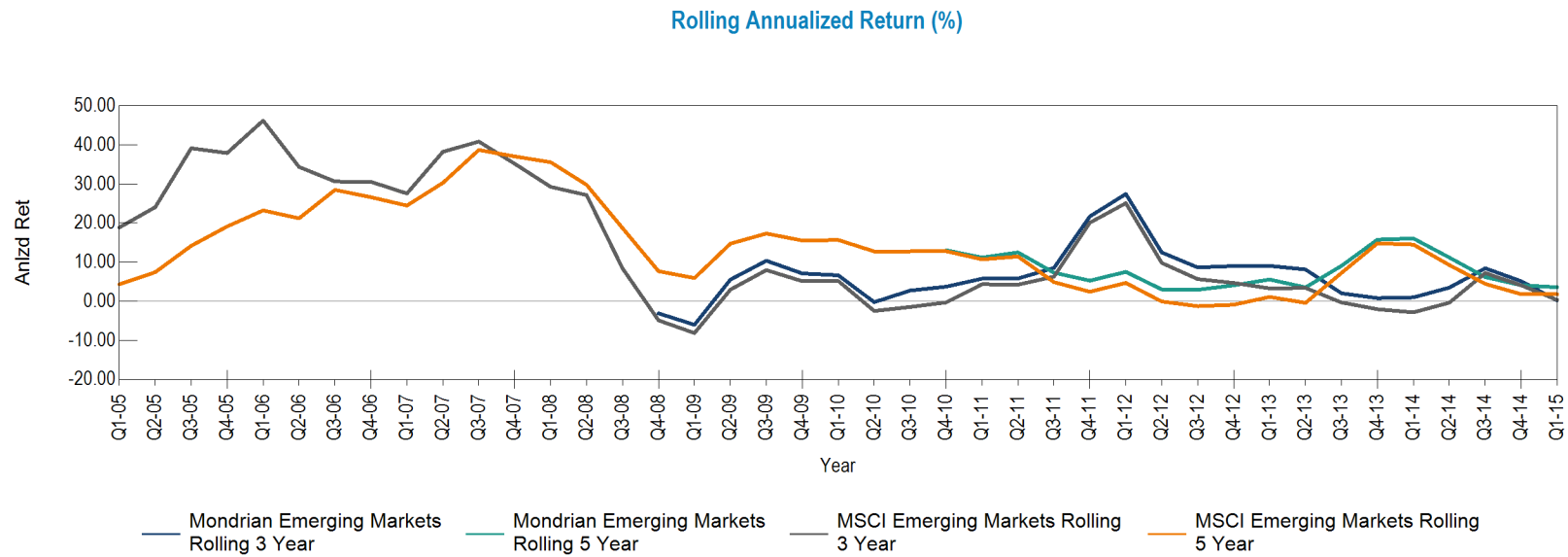
Period Ending: March 31, 2015



	Return (Rank)									
5th Percentile	5.1	10.3	9.9	9.2	13.2	8.0	11.7	28.4	-11.1	29.6
25th Percentile	3.0	5.3	4.4	5.4	11.6	2.9	5.2	23.0	-16.4	23.9
Median	1.8	2.2	2.4	3.2	9.9	-0.1	1.0	20.9	-18.6	20.1
75th Percentile	0.5	-1.5	0.6	1.8	8.7	-2.4	-2.0	17.3	-22.2	17.3
95th Percentile	-2.2	-7.3	-1.7	-0.3	7.2	-7.0	-6.3	13.7	-27.3	13.7
# of Portfolios	232	232	193	147	78	251	198	155	139	113
● Mondrian Emerging Markets	-0.4 (85)	-1.2 (73)	0.2 (80)	3.6 (47)	-- (--)	0.7 (41)	-6.4 (96)	23.1 (24)	-11.2 (6)	18.4 (70)
▲ MSCI Emerging Markets	2.2 (38)	0.4 (64)	0.3 (79)	1.7 (76)	8.5 (78)	-2.2 (74)	-2.6 (80)	18.2 (68)	-18.4 (48)	18.9 (64)

Mondrian Emerging Markets Rolling Manager Performance

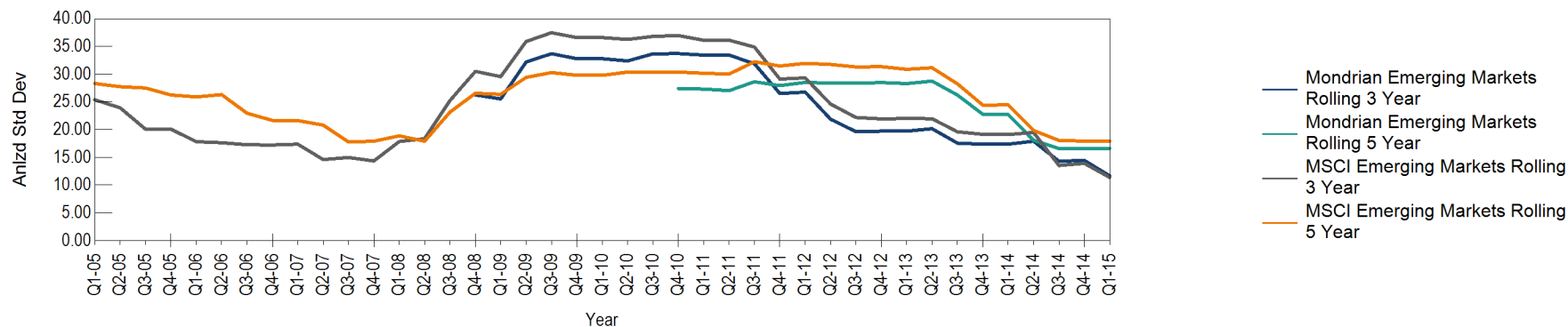
Period Ending: March 31, 2015



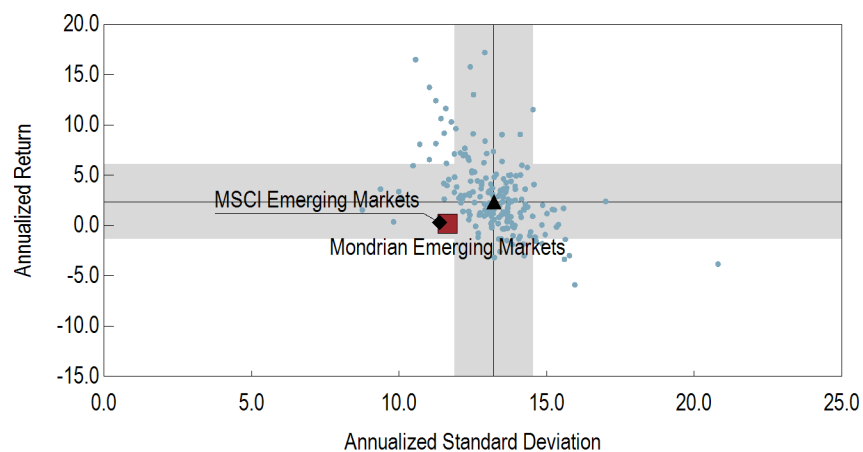
Mondrian Emerging Markets Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

Rolling Annualized Standard Deviation



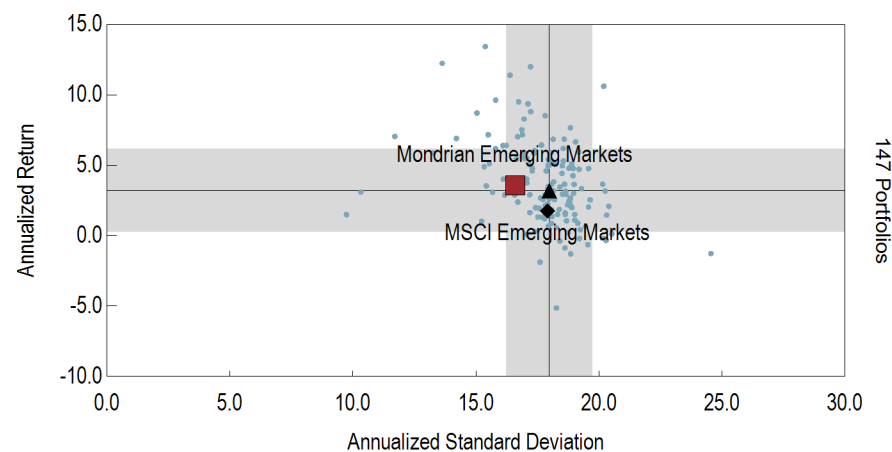
3 Years



3 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Mondrian Emerging Markets	0.2%	11.6%	0.0
MSCI Emerging Markets	0.3%	11.4%	0.0
eA Emg Mkts Equity Gross Median	2.4%	13.2%	0.2

5 Years



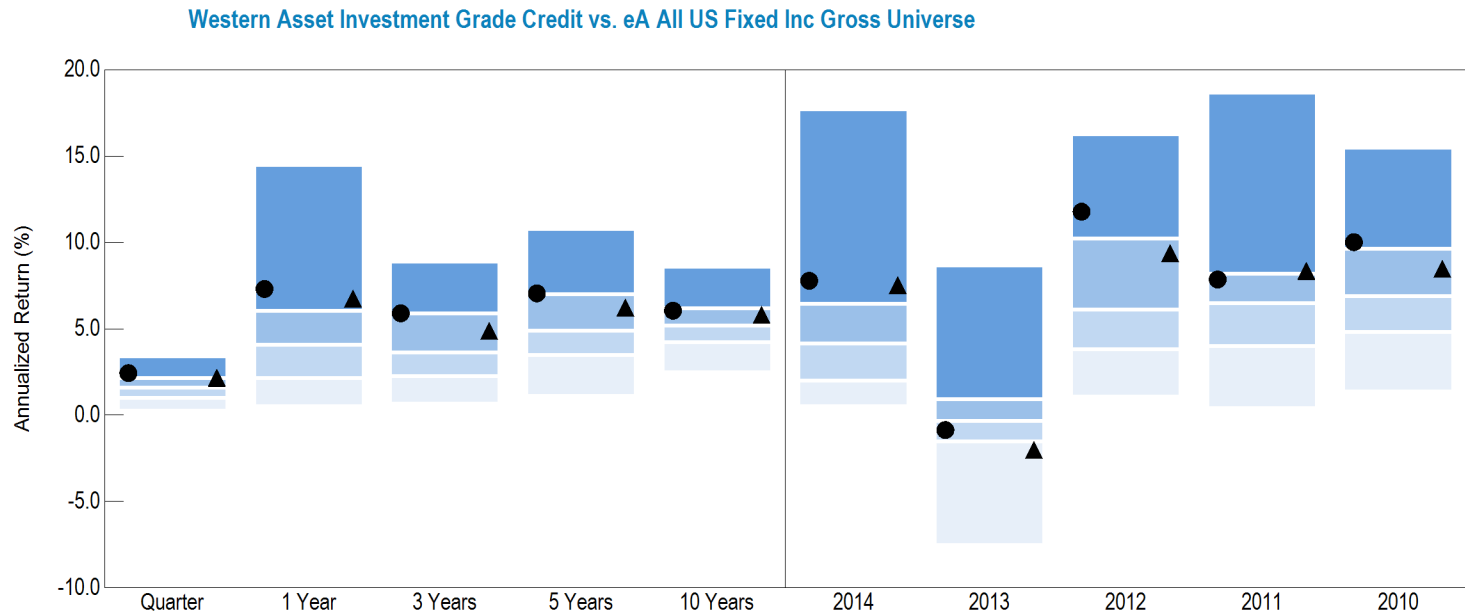
5 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Mondrian Emerging Markets	3.6%	16.6%	0.2
MSCI Emerging Markets	1.7%	17.9%	0.1
eA Emg Mkts Equity Gross Median	3.2%	18.0%	0.2

Fixed Income Managers

Western Asset Investment Grade Credit Manager Performance Comparisons

Period Ending: March 31, 2015

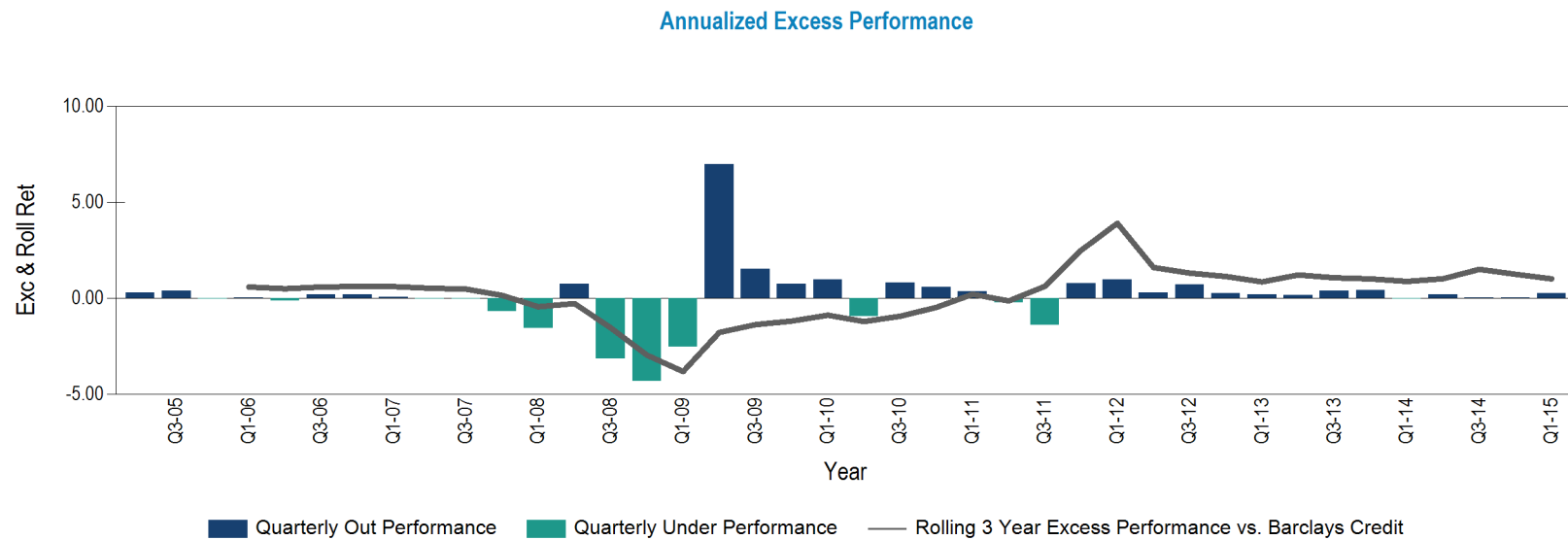
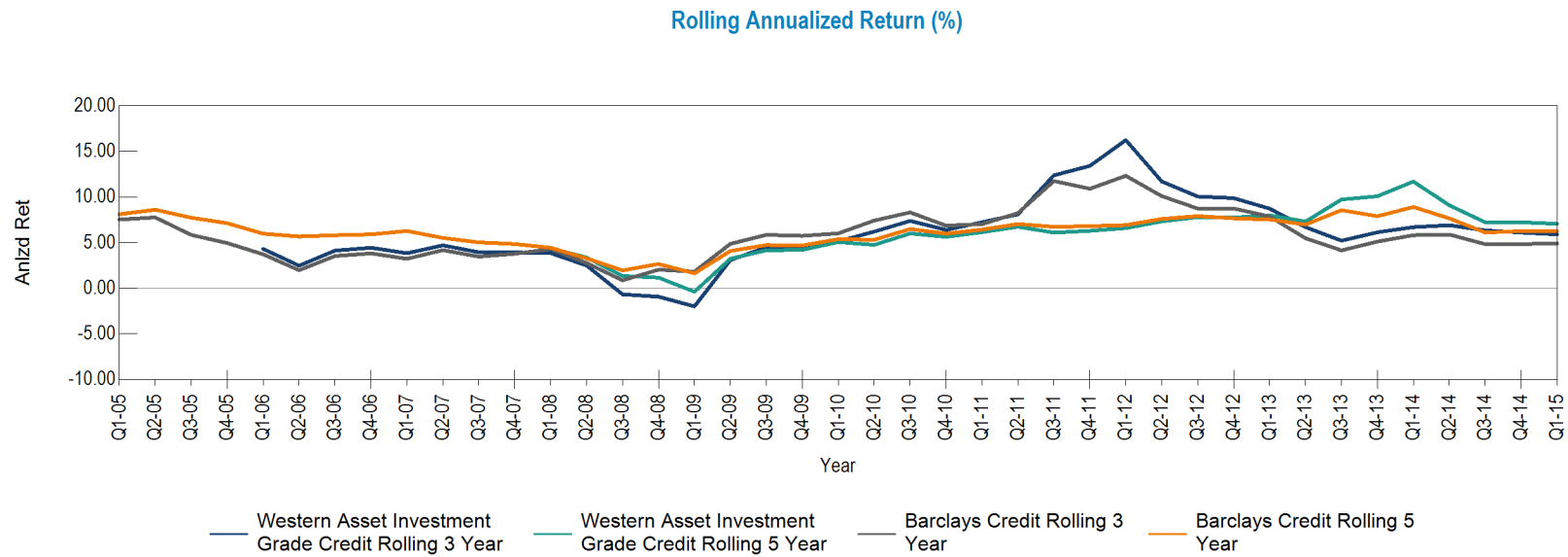


	Return (Rank)									
5th Percentile	3.4	14.4	8.9	10.7	8.6	17.7	8.7	16.2	18.6	15.5
25th Percentile	2.2	6.0	5.9	7.0	6.2	6.4	0.9	10.2	8.2	9.7
Median	1.6	4.1	3.7	4.9	5.2	4.2	-0.3	6.1	6.5	6.9
75th Percentile	1.0	2.2	2.3	3.5	4.2	2.0	-1.5	3.8	4.0	4.8
95th Percentile	0.3	0.5	0.7	1.1	2.5	0.5	-7.5	1.1	0.4	1.4
# of Portfolios	1,384	1,380	1,347	1,268	1,015	1,364	1,281	1,241	1,211	1,157
● Western Asset Investment Grade Credit	2.4 (20)	7.3 (15)	5.9 (26)	7.1 (25)	6.0 (28)	7.8 (15)	-0.9 (62)	11.8 (19)	7.9 (31)	10.0 (24)
▲ Barclays Credit	2.2 (26)	6.7 (17)	4.9 (34)	6.2 (31)	5.8 (32)	7.5 (17)	-2.0 (83)	9.4 (29)	8.4 (23)	8.5 (33)

Returns prior to inception date are composite returns.

Western Asset Investment Grade Credit Rolling Manager Performance

Period Ending: March 31, 2015

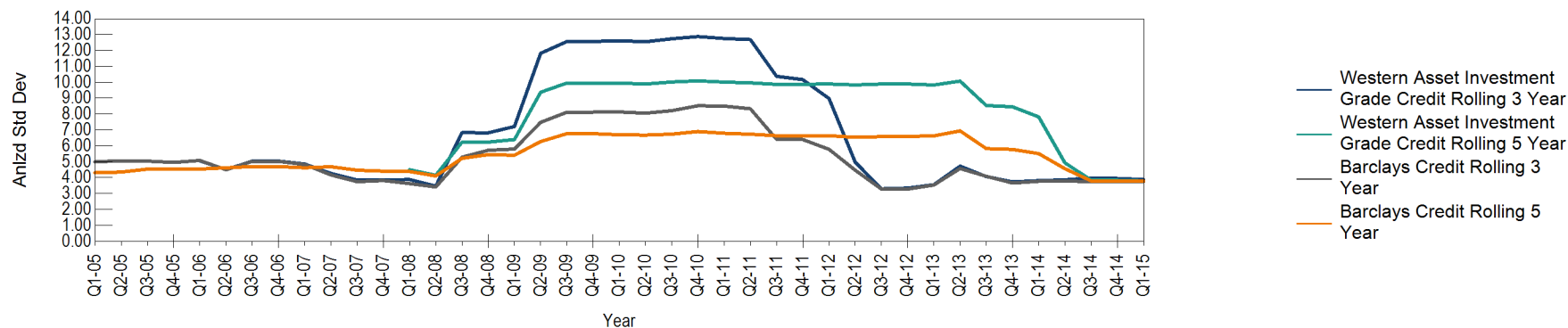


Returns prior to inception date are composite returns.

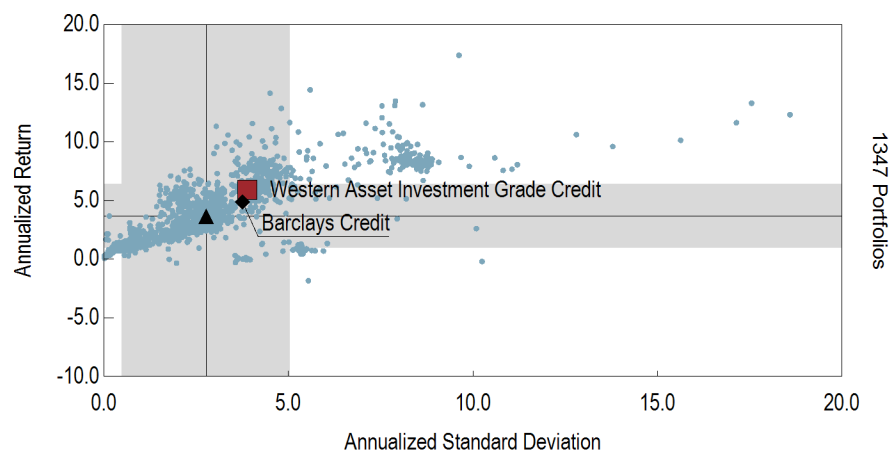
Western Asset Investment Grade Credit Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

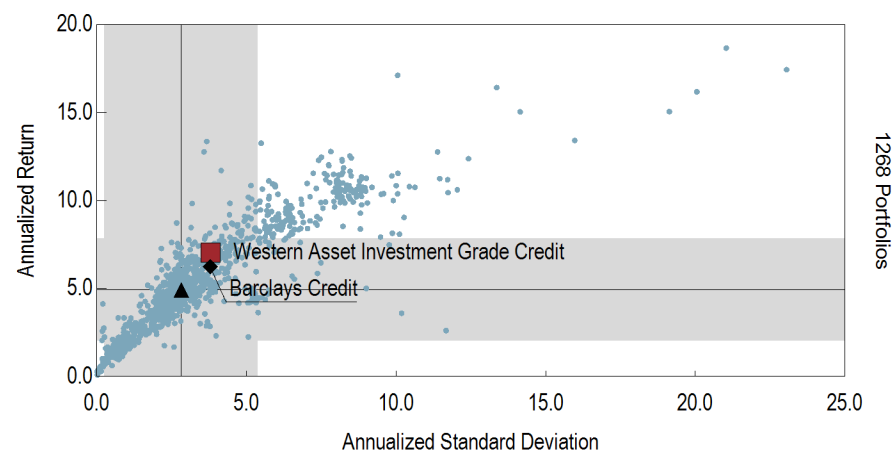
Rolling Annualized Standard Deviation



3 Years



5 Years



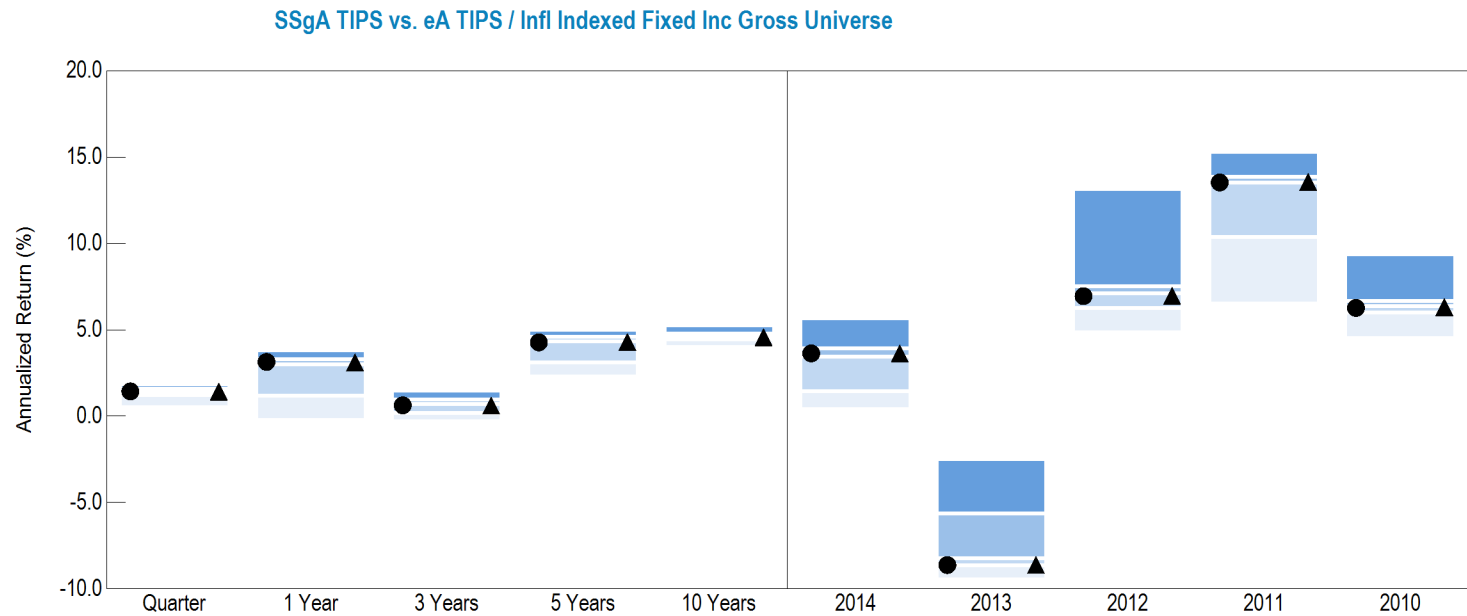
3 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Western Asset Investment Grade Credit	5.9%	3.9%	1.5
Barclays Credit	4.9%	3.8%	1.3
eA All US Fixed Inc Gross Median	3.7%	2.8%	1.4

5 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Western Asset Investment Grade Credit	7.1%	3.8%	1.8
Barclays Credit	6.2%	3.8%	1.6
eA All US Fixed Inc Gross Median	4.9%	2.8%	1.7

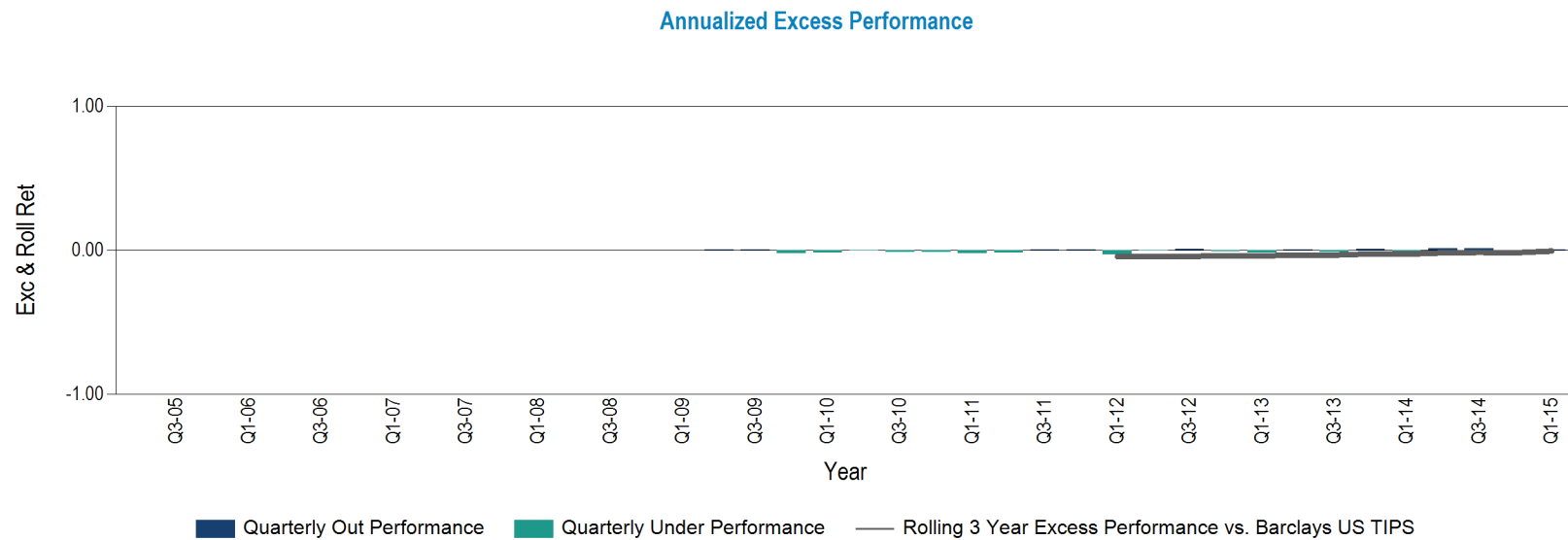
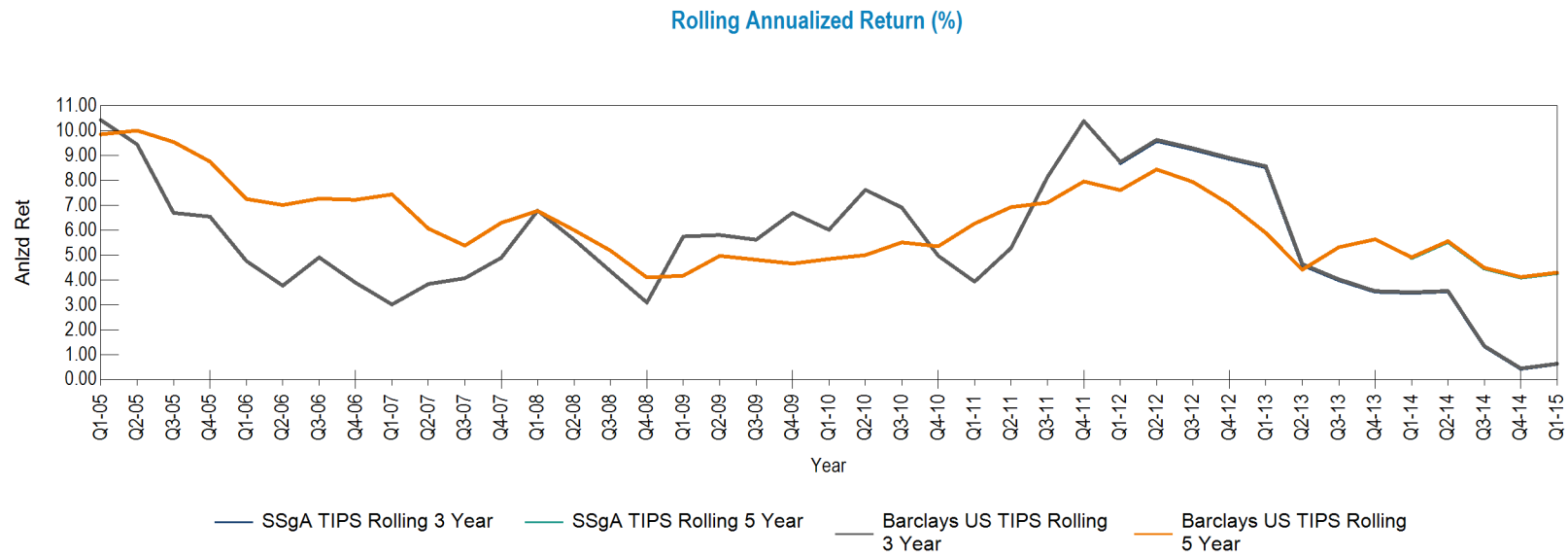
Returns prior to inception date are composite returns.



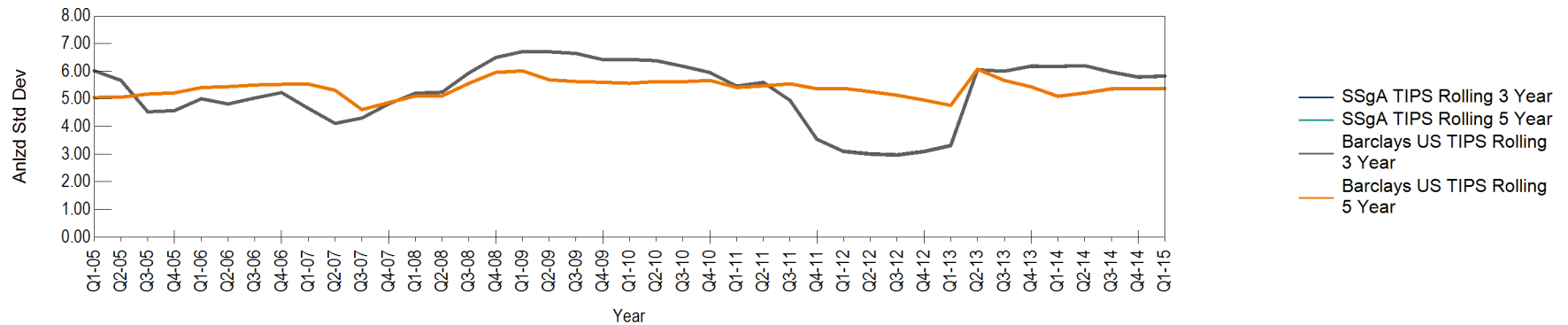
	Return (Rank)									
5th Percentile	1.8	3.8	1.4	5.0	5.2	5.7	-2.5	13.1	15.3	9.4
25th Percentile	1.6	3.3	1.0	4.6	4.8	4.0	-5.6	7.5	13.9	6.7
Median	1.5	3.0	0.7	4.3	4.6	3.5	-8.2	7.1	13.5	6.4
75th Percentile	1.2	1.2	0.2	3.1	4.5	1.4	-8.6	6.3	10.4	6.0
95th Percentile	0.5	-0.2	-0.3	2.3	4.0	0.4	-9.4	4.9	6.6	4.6
# of Portfolios	44	44	43	40	28	50	43	43	47	39
● SSgA TIPS	1.4 (54)	3.1 (46)	0.6 (66)	4.3 (61)	-- (--)	3.6 (44)	-8.6 (77)	6.9 (67)	13.5 (51)	6.3 (63)
▲ Barclays US TIPS	1.4 (55)	3.1 (49)	0.6 (66)	4.3 (56)	4.6 (69)	3.6 (44)	-8.6 (76)	7.0 (66)	13.6 (49)	6.3 (57)

SSgA TIPS Rolling Manager Performance

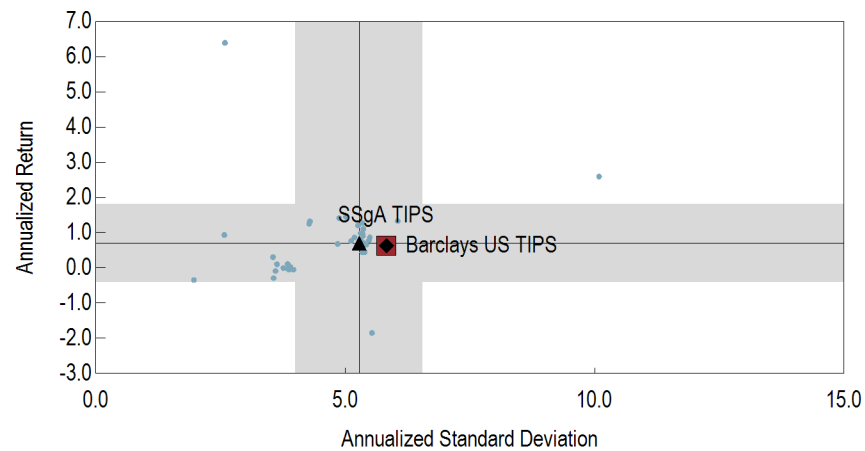
Period Ending: March 31, 2015



Rolling Annualized Standard Deviation



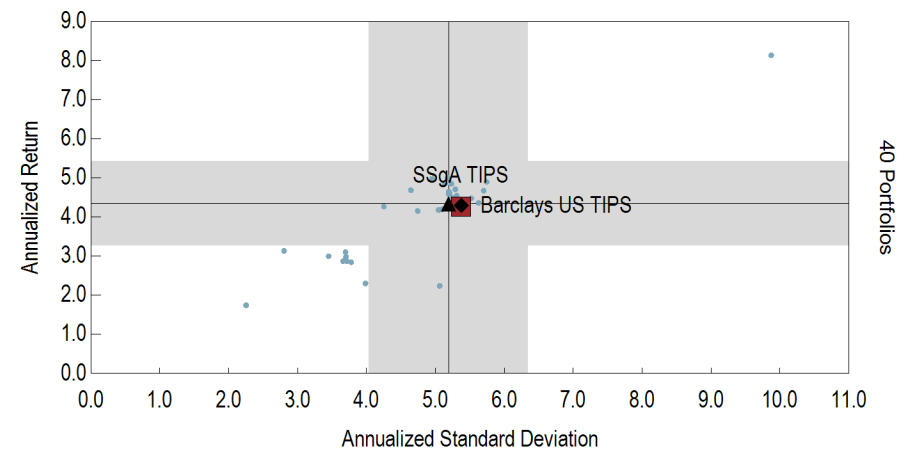
3 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
SSgA TIPS	0.6%	5.8%	0.1
Barclays US TIPS	0.6%	5.8%	0.1
eA TIPS / Infl Indexed Fixed Inc Gross Median	0.7%	5.3%	0.1

5 Years

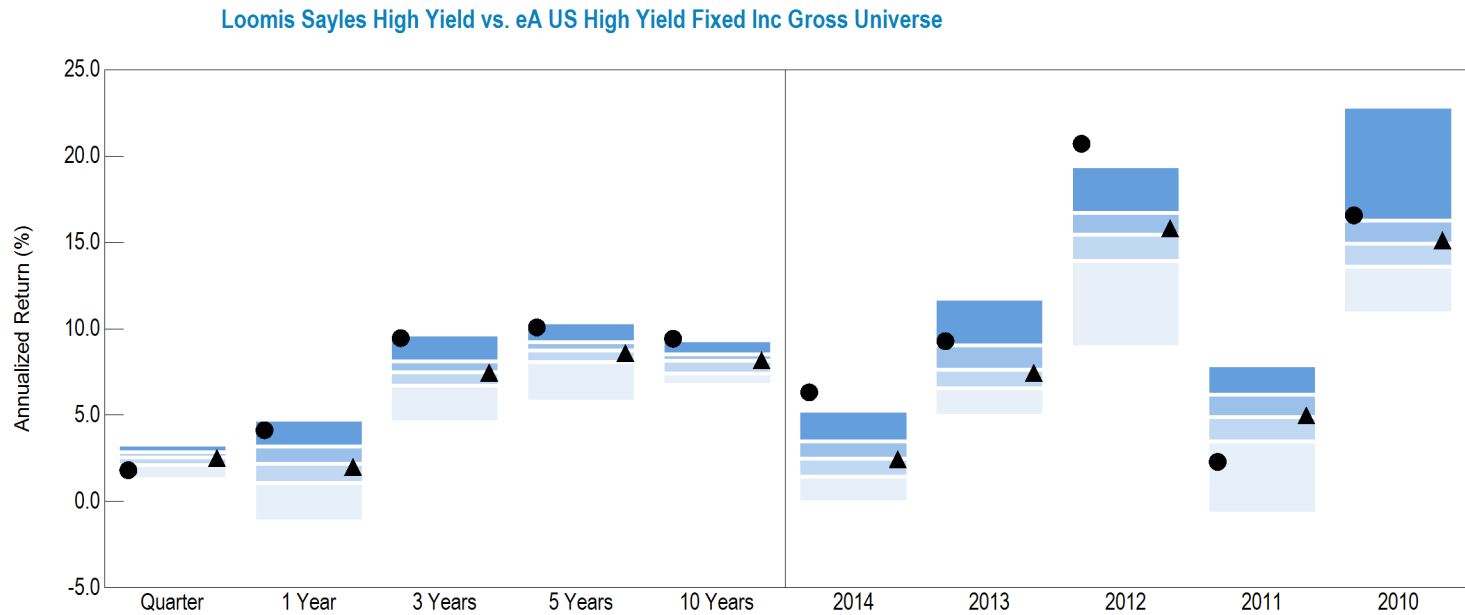


5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
SSgA TIPS	4.3%	5.4%	0.8
Barclays US TIPS	4.3%	5.4%	0.8
eA TIPS / Infl Indexed Fixed Inc Gross Median	4.3%	5.2%	0.8

Loomis Sayles High Yield Manager Performance Comparisons

Period Ending: March 31, 2015

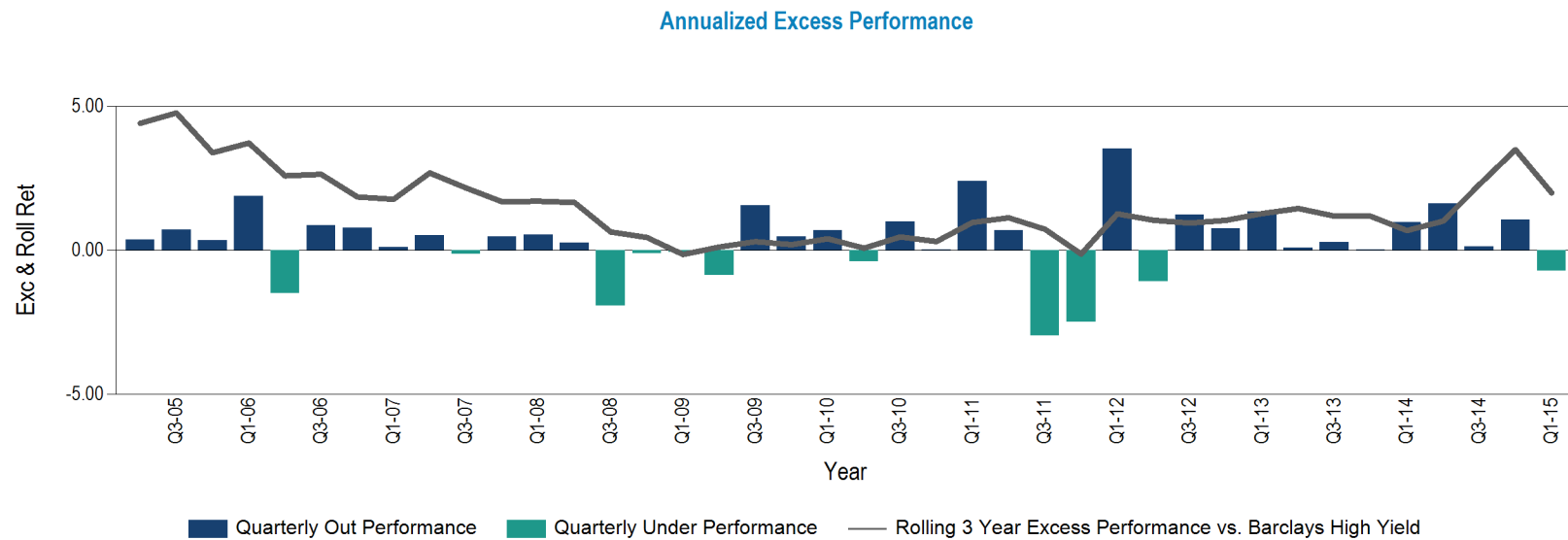
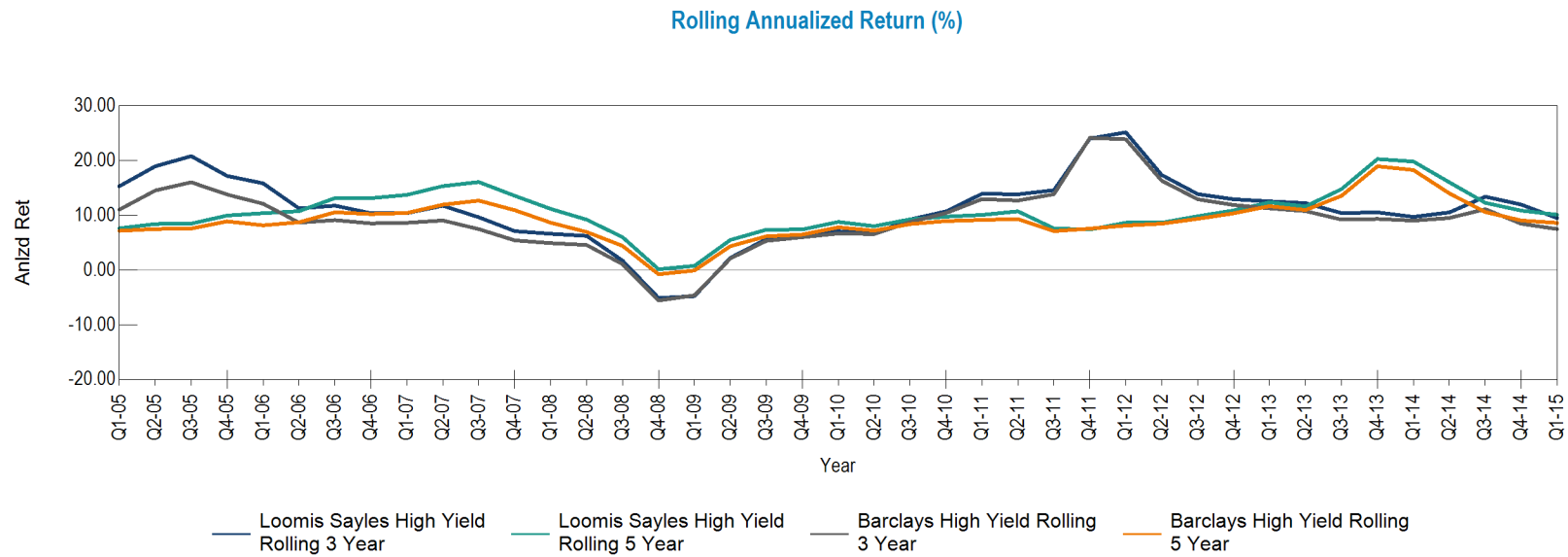


	Return (Rank)									
5th Percentile	3.3	4.7	9.6	10.3	9.3	5.2	11.7	19.4	7.9	22.8
25th Percentile	2.9	3.2	8.1	9.2	8.6	3.5	9.1	16.7	6.2	16.3
Median	2.6	2.2	7.5	8.8	8.2	2.5	7.6	15.5	4.9	14.9
75th Percentile	2.1	1.1	6.7	8.1	7.4	1.5	6.6	14.0	3.5	13.6
95th Percentile	1.3	-1.1	4.6	5.8	6.7	0.0	5.0	8.9	-0.7	10.9
# of Portfolios	143	143	136	121	101	141	130	129	117	106
● Loomis Sayles High Yield	1.8 (87)	4.1 (13)	9.5 (7)	10.1 (7)	9.4 (5)	6.3 (1)	9.3 (21)	20.7 (4)	2.3 (88)	16.6 (24)
▲ Barclays High Yield	2.5 (55)	2.0 (57)	7.5 (53)	8.6 (55)	8.2 (49)	2.5 (52)	7.4 (54)	15.8 (43)	5.0 (49)	15.1 (45)

Returns prior to inception date are composite returns.

Loomis Sayles High Yield Rolling Manager Performance

Period Ending: March 31, 2015

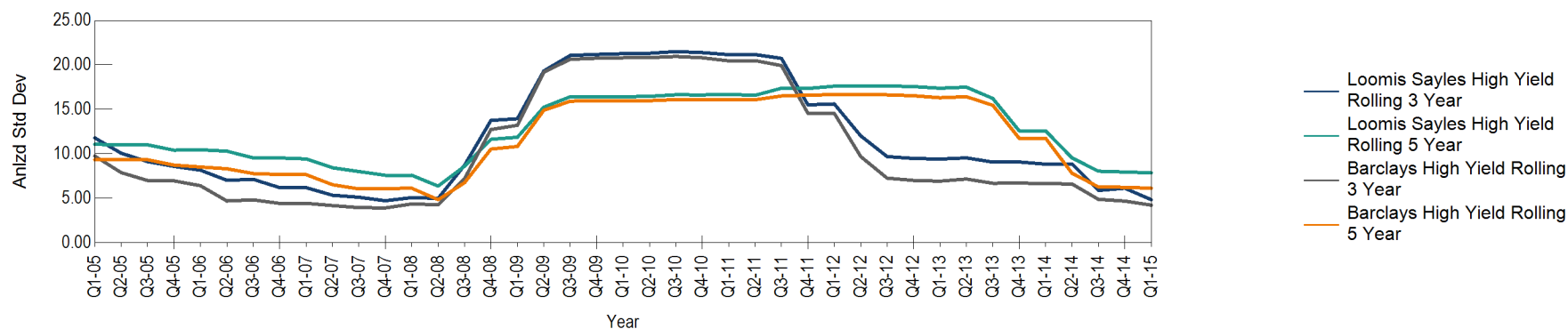


Returns prior to inception date are composite returns.

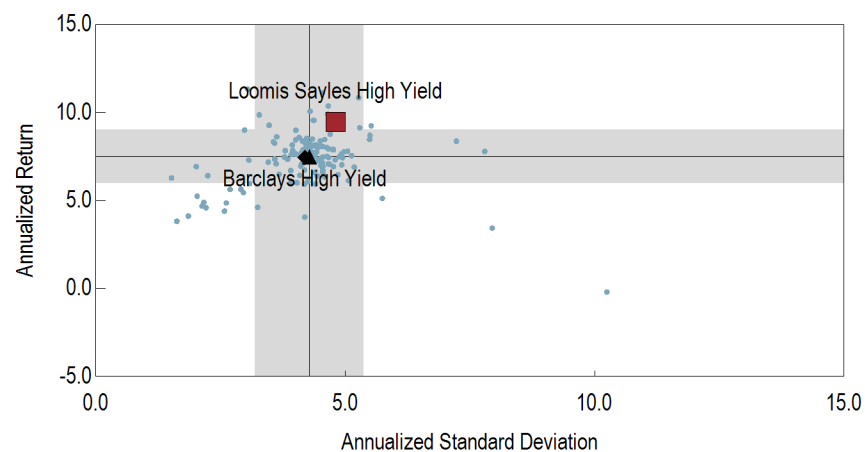
Loomis Sayles High Yield Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

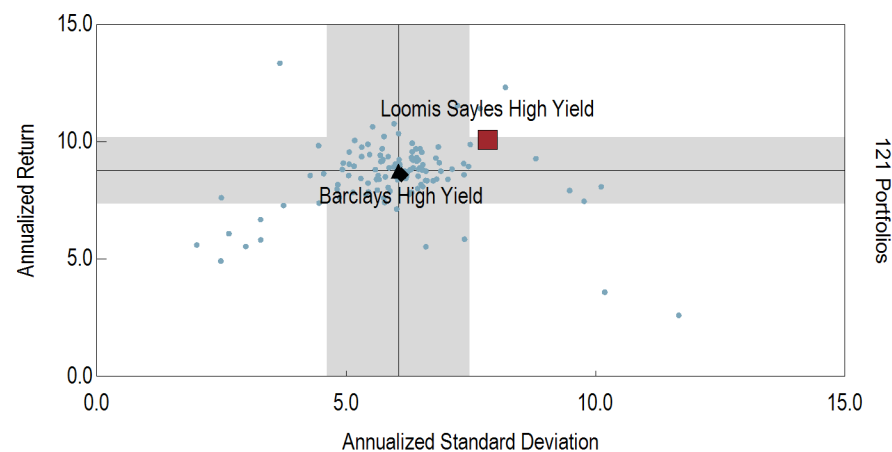
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Loomis Sayles High Yield	9.5%	4.8%	2.0
Barclays High Yield	7.5%	4.2%	1.8
eA US High Yield Fixed Inc Gross Median	7.5%	4.3%	1.8

5 Years

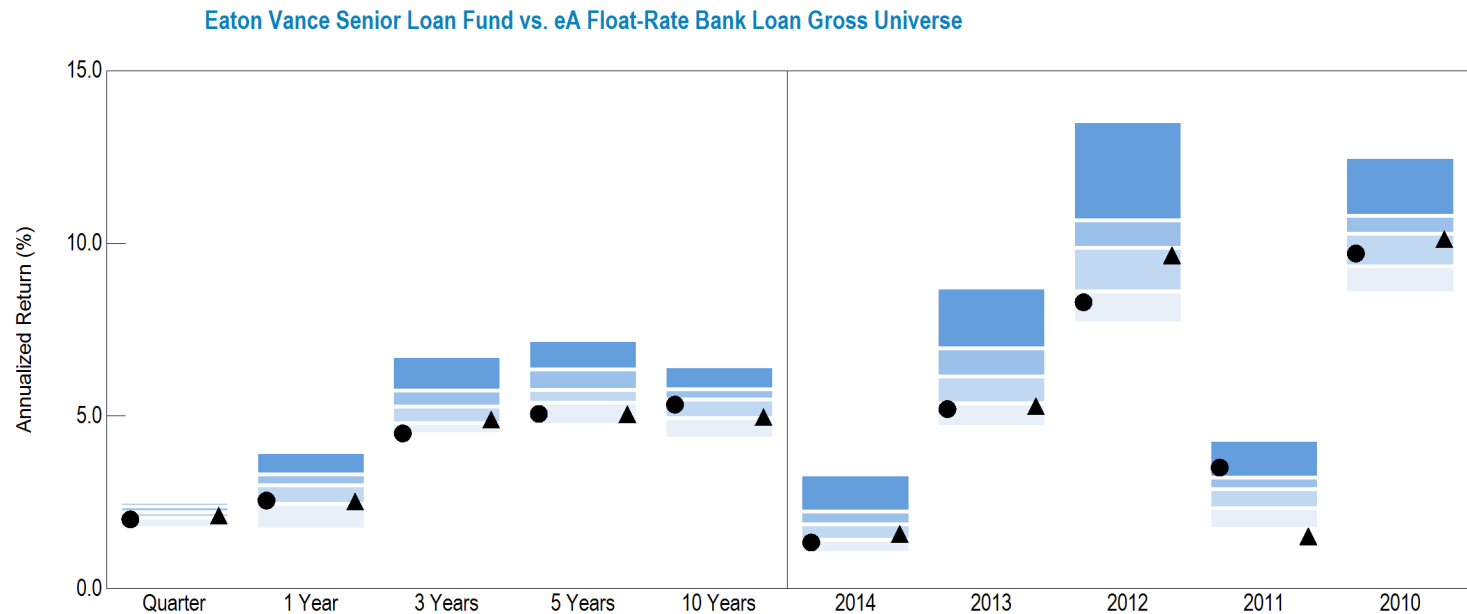
	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
Loomis Sayles High Yield	10.1%	7.8%	1.3
Barclays High Yield	8.6%	6.1%	1.4
eA US High Yield Fixed Inc Gross Median	8.8%	6.0%	1.5

Returns prior to inception date are composite returns.

Eaton Vance Senior Loan Fund

Manager Performance Comparisons

Period Ending: March 31, 2015



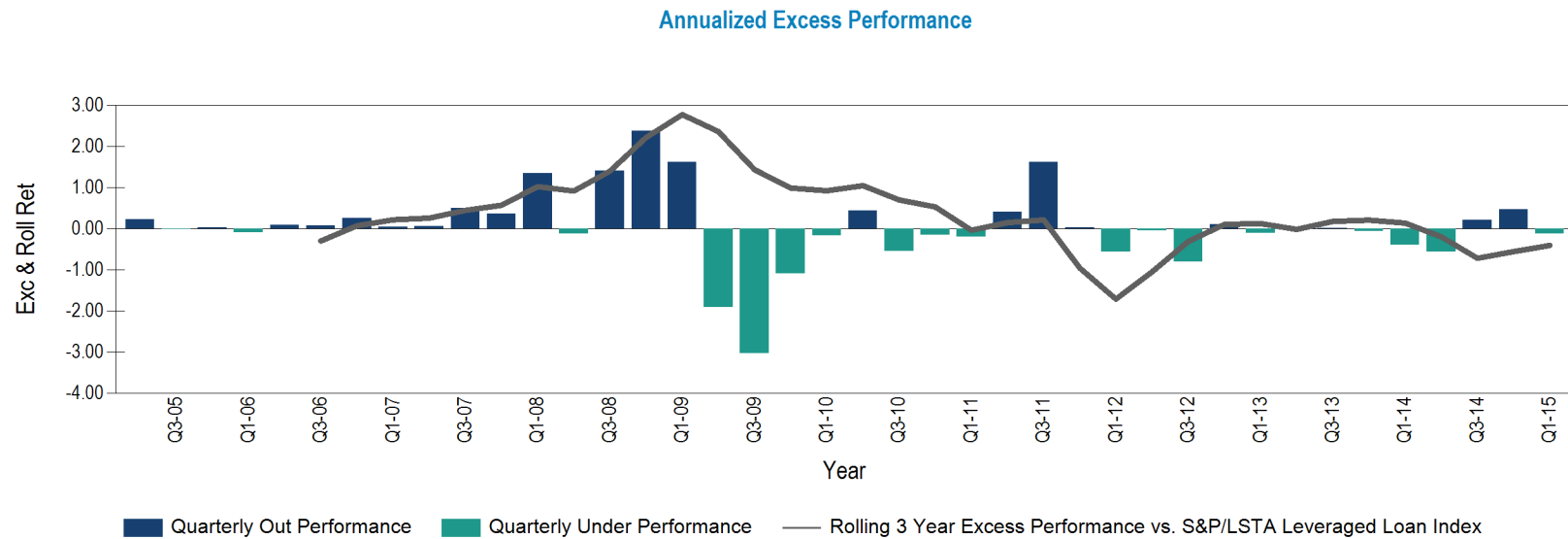
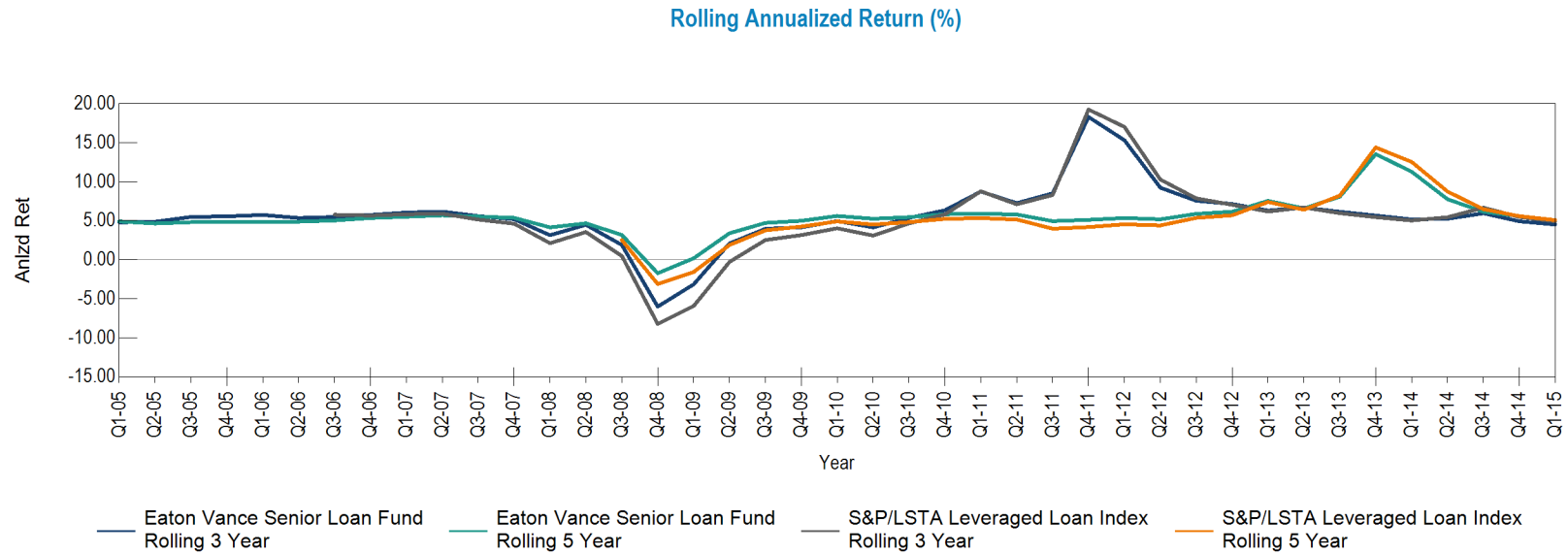
	Return (Rank)									
5th Percentile	2.5	3.9	6.7	7.2	6.4	3.3	8.7	13.5	4.3	12.5
25th Percentile	2.4	3.3	5.8	6.4	5.8	2.3	7.0	10.7	3.2	10.8
Median	2.2	3.0	5.3	5.8	5.5	1.9	6.2	9.9	2.9	10.3
75th Percentile	2.1	2.5	4.8	5.4	5.0	1.4	5.4	8.6	2.3	9.3
95th Percentile	1.8	1.7	4.5	4.7	4.4	1.1	4.7	7.7	1.7	8.6
# of Portfolios	49	49	44	39	17	48	53	41	34	30
● Eaton Vance Senior Loan Fund	2.0 (77)	2.6 (71)	4.5 (95)	5.1 (86)	5.3 (55)	1.3 (77)	5.2 (83)	8.3 (82)	3.5 (17)	9.7 (64)
▲ S&P/LSTA Leveraged Loan Index	2.1 (69)	2.5 (72)	4.9 (69)	5.1 (87)	5.0 (71)	1.6 (68)	5.3 (79)	9.7 (58)	1.5 (98)	10.1 (54)

Returns prior to inception date are composite returns.

Eaton Vance Senior Loan Fund

Rolling Manager Performance

Period Ending: March 31, 2015



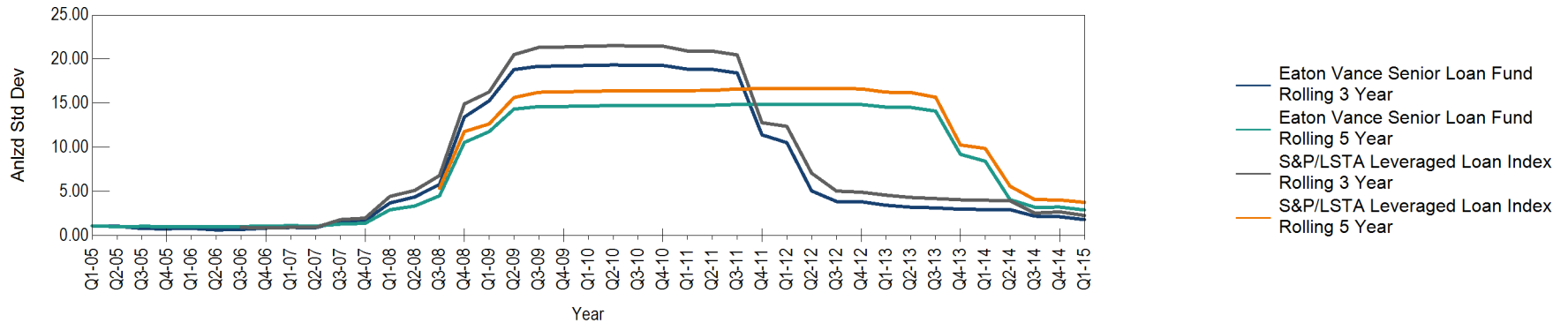
Returns prior to inception date are composite returns.

Eaton Vance Senior Loan Fund

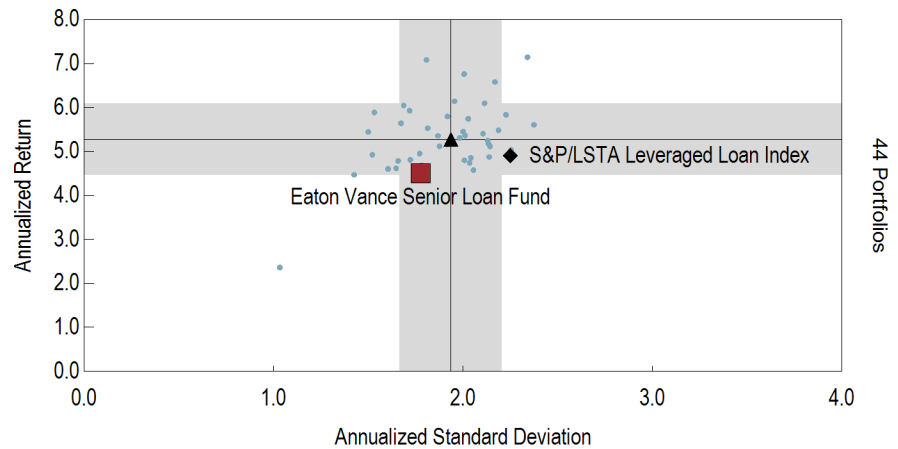
Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

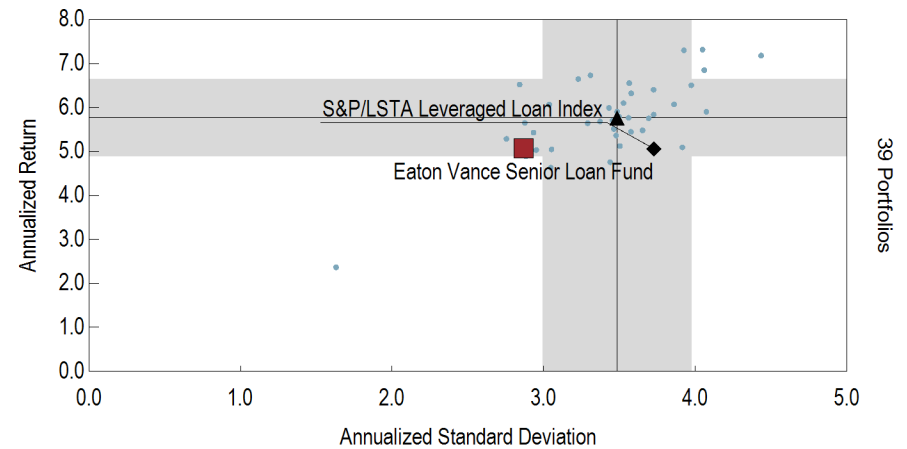
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Eaton Vance Senior Loan Fund	4.5%	1.8%	2.5
S&P/LSTA Leveraged Loan Index	4.9%	2.2%	2.2
eA Float-Rate Bank Loan Gross Median	5.3%	1.9%	2.7

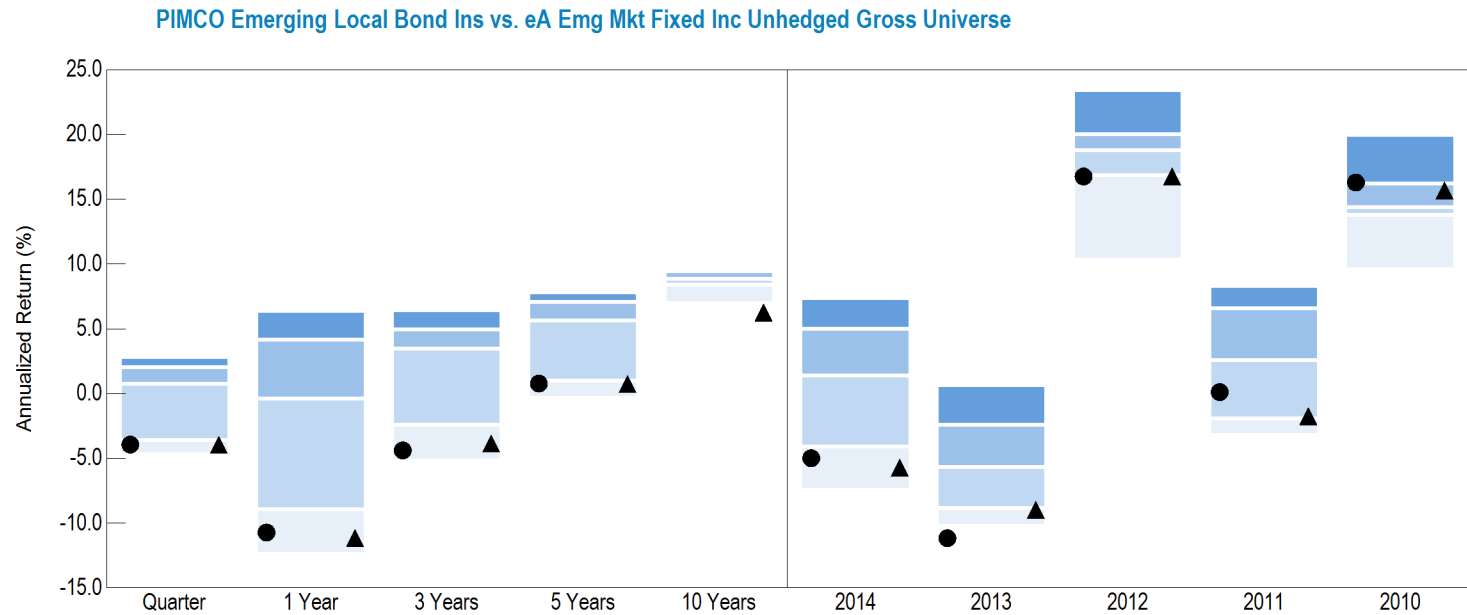
5 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Eaton Vance Senior Loan Fund	5.1%	2.9%	1.7
S&P/LSTA Leveraged Loan Index	5.1%	3.7%	1.3
eA Float-Rate Bank Loan Gross Median	5.8%	3.5%	1.7

Returns prior to inception date are composite returns.

PIMCO Emerging Local Bond Ins Manager Performance Comparisons

Period Ending: March 31, 2015

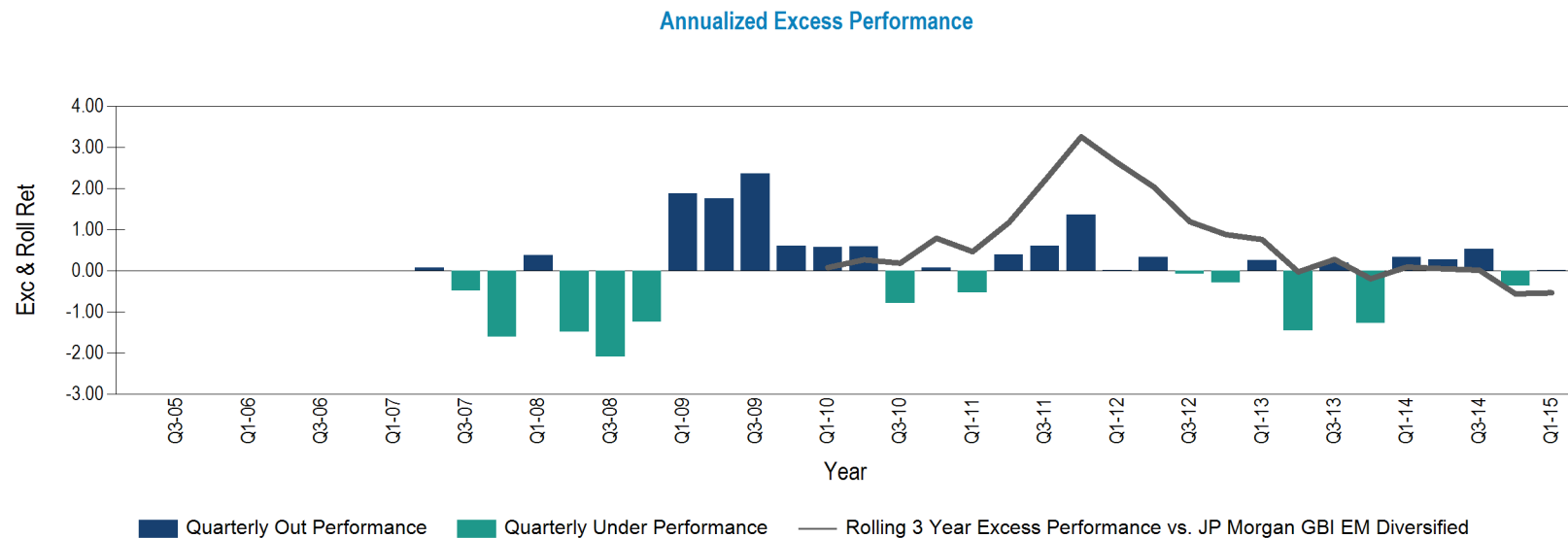
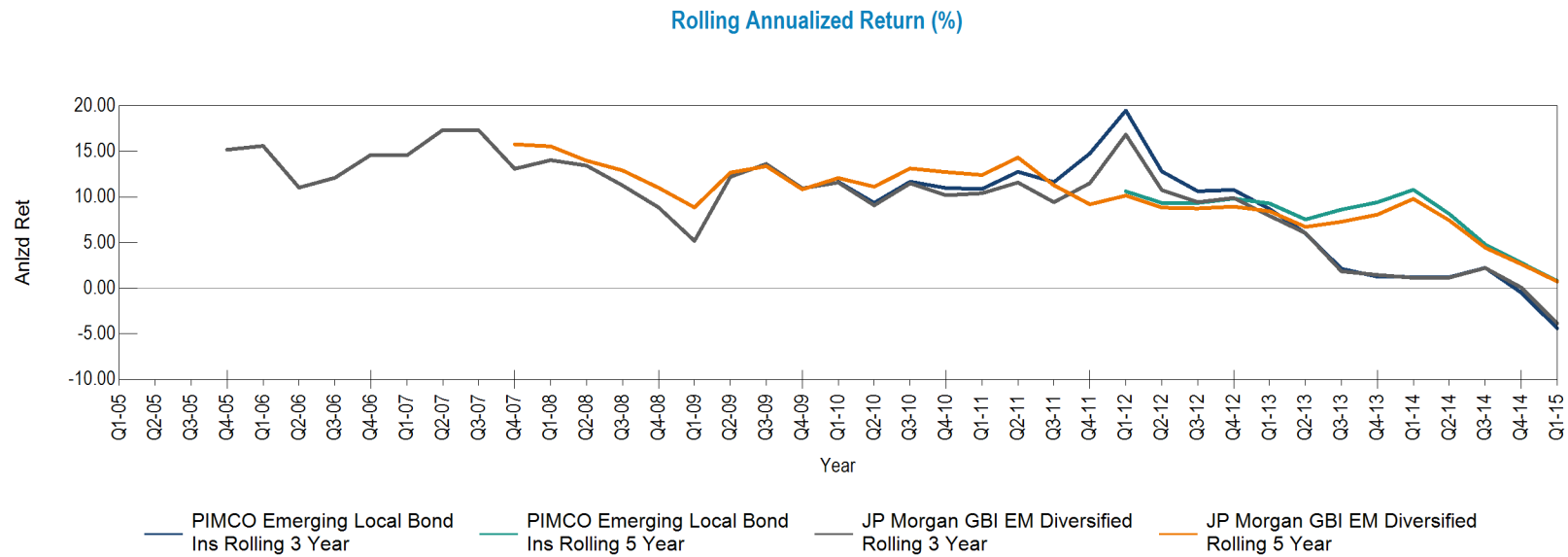


	Return (Rank)									
5th Percentile	2.8	6.4	6.4	7.8	9.7	7.4	0.6	23.4	8.3	19.9
25th Percentile	2.1	4.2	5.0	7.1	9.5	5.0	-2.4	20.0	6.6	16.2
Median	0.8	-0.3	3.5	5.7	8.9	1.4	-5.7	18.8	2.6	14.4
75th Percentile	-3.6	-8.9	-2.4	1.0	8.4	-4.1	-8.8	16.9	-1.9	13.8
95th Percentile	-4.6	-12.3	-5.1	-0.3	7.0	-7.4	-10.2	10.4	-3.2	9.6
# of Portfolios	87	87	75	53	20	88	72	54	30	38
● PIMCO Emerging Local Bond Ins	-3.9 (82)	-10.7 (88)	-4.4 (94)	0.8 (85)	-- (--)	-5.0 (82)	-11.2 (98)	16.8 (79)	0.1 (56)	16.3 (24)
▲ JP Morgan GBI EM Diversified	-4.0 (82)	-11.1 (91)	-3.9 (88)	0.7 (86)	6.3 (97)	-5.7 (90)	-9.0 (79)	16.8 (79)	-1.8 (71)	15.7 (31)

Returns prior to inception date are composite returns.

PIMCO Emerging Local Bond Ins Rolling Manager Performance

Period Ending: March 31, 2015

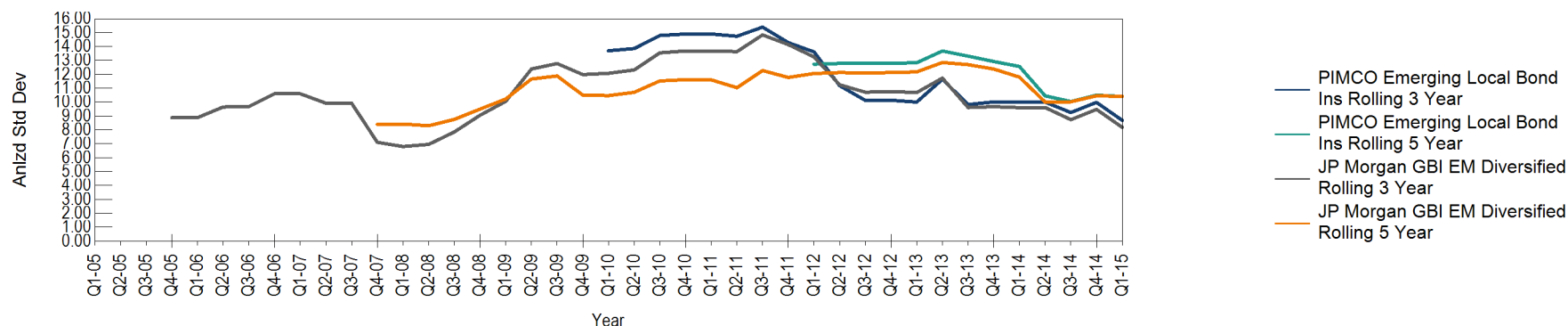


Returns prior to inception date are composite returns.

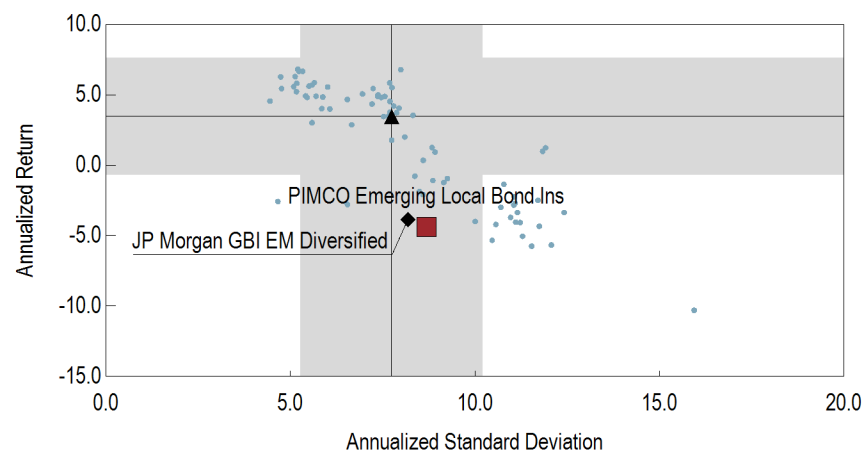
PIMCO Emerging Local Bond Ins Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015

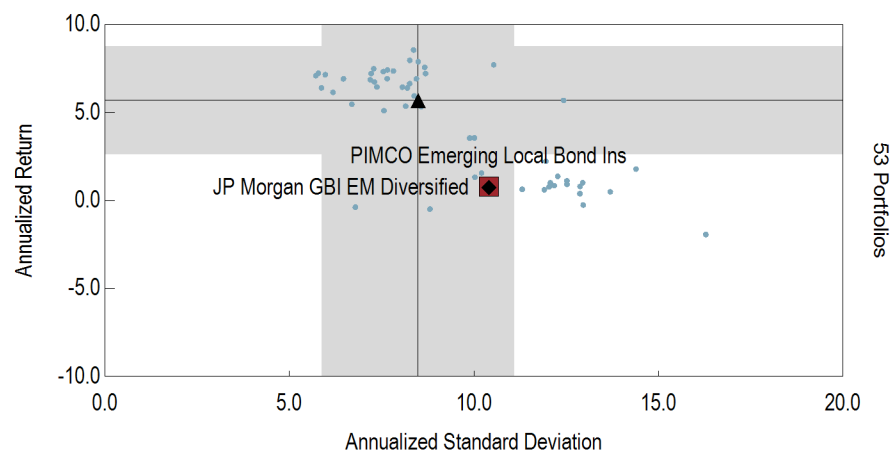
Rolling Annualized Standard Deviation



3 Years



5 Years



3 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
PIMCO Emerging Local Bond Ins	-4.4%	8.7%	-0.5
JP Morgan GBI EM Diversified	-3.9%	8.2%	-0.5
eA Emg Mkt Fixed Inc Unhedged Gross Median	3.5%	7.7%	0.5

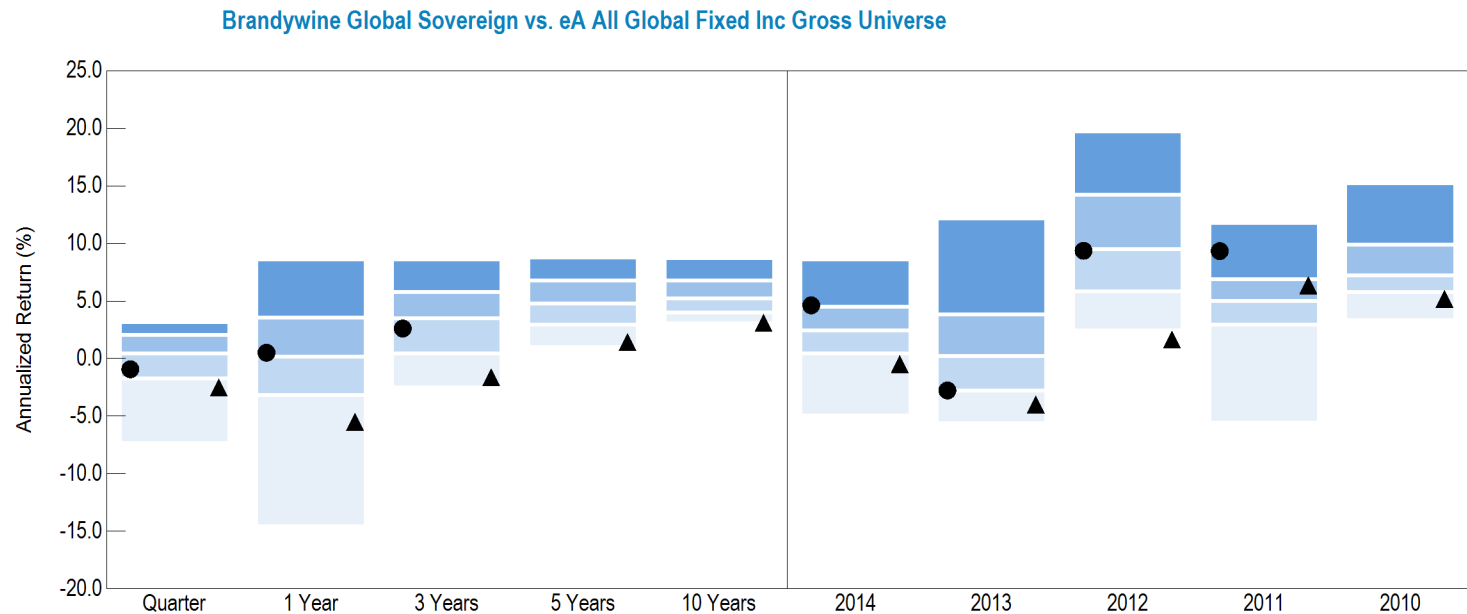
5 Years

	Annualized Return	Annualized Standard Deviation	Sharpe Ratio
PIMCO Emerging Local Bond Ins	0.8%	10.4%	0.1
JP Morgan GBI EM Diversified	0.7%	10.4%	0.1
eA Emg Mkt Fixed Inc Unhedged Gross Median	5.7%	8.5%	0.7

Returns prior to inception date are composite returns.

Brandywine Global Sovereign Manager Performance Comparisons

Period Ending: March 31, 2015

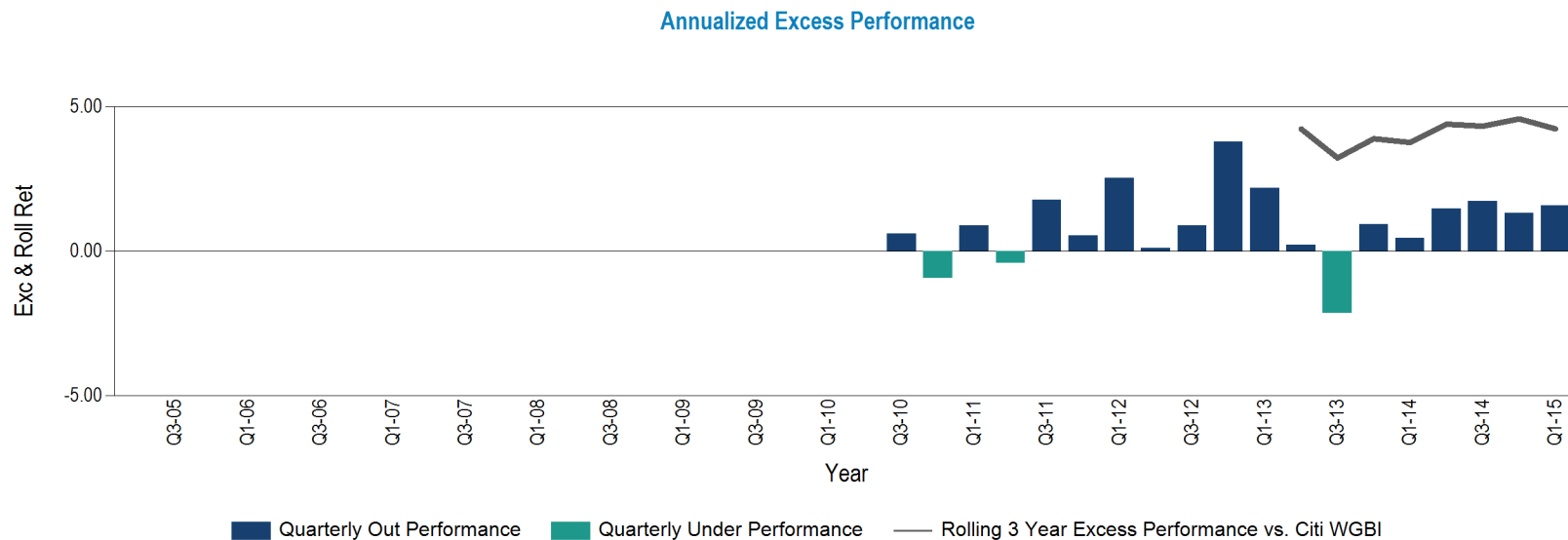
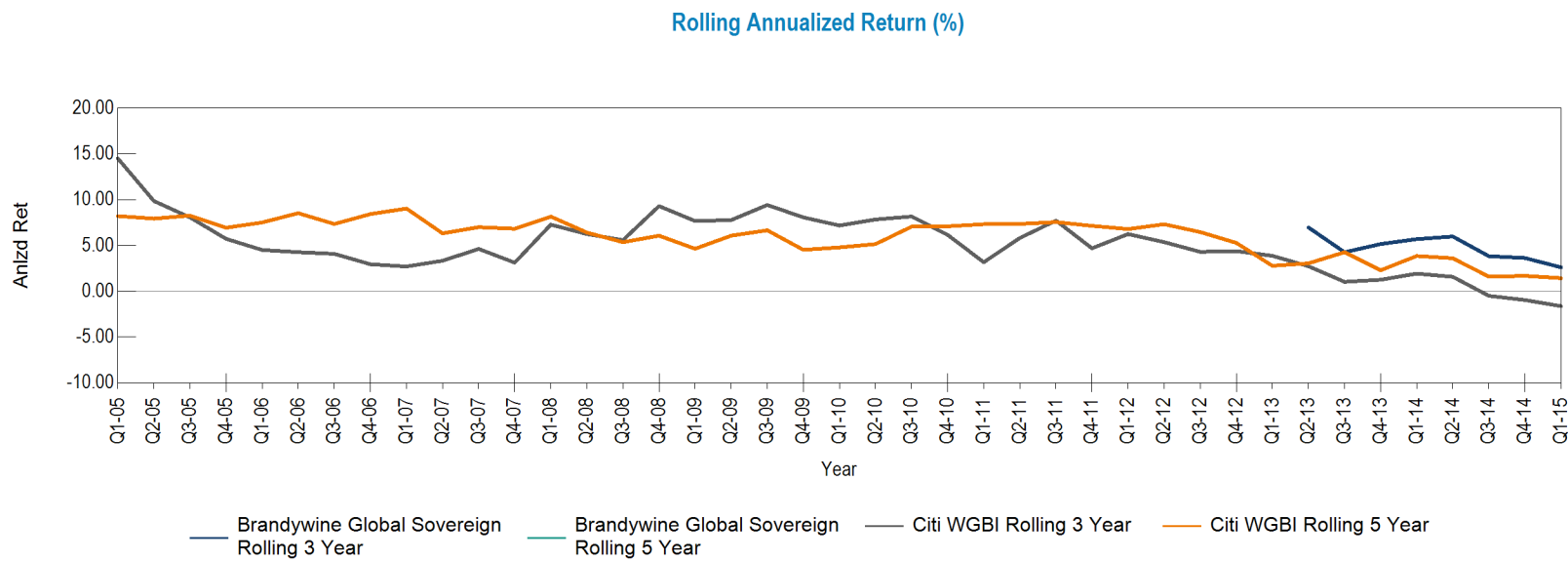


	Return (Rank)									
5th Percentile	3.1	8.6	8.6	8.8	8.7	8.6	12.1	19.7	11.7	15.2
25th Percentile	2.1	3.6	5.8	6.8	6.8	4.5	3.9	14.3	6.9	9.9
Median	0.5	0.2	3.5	4.8	5.3	2.5	0.2	9.5	5.0	7.3
75th Percentile	-1.7	-3.2	0.5	3.0	4.0	0.5	-2.8	5.9	2.9	5.8
95th Percentile	-7.3	-14.5	-2.5	1.0	3.1	-4.9	-5.6	2.5	-5.5	3.4
# of Portfolios	272	271	256	207	114	263	225	197	171	100
● Brandywine Global Sovereign	-0.9 (64)	0.5 (49)	2.6 (60)	-- (--)	-- (--)	4.6 (25)	-2.8 (75)	9.4 (52)	9.3 (12)	-- (--)
▲ Citi WGBI	-2.5 (85)	-5.5 (86)	-1.6 (93)	1.4 (93)	3.1 (96)	-0.5 (82)	-4.0 (86)	1.6 (98)	6.4 (33)	5.2 (85)

Returns prior to inception date are composite returns.

Brandywine Global Sovereign Rolling Manager Performance

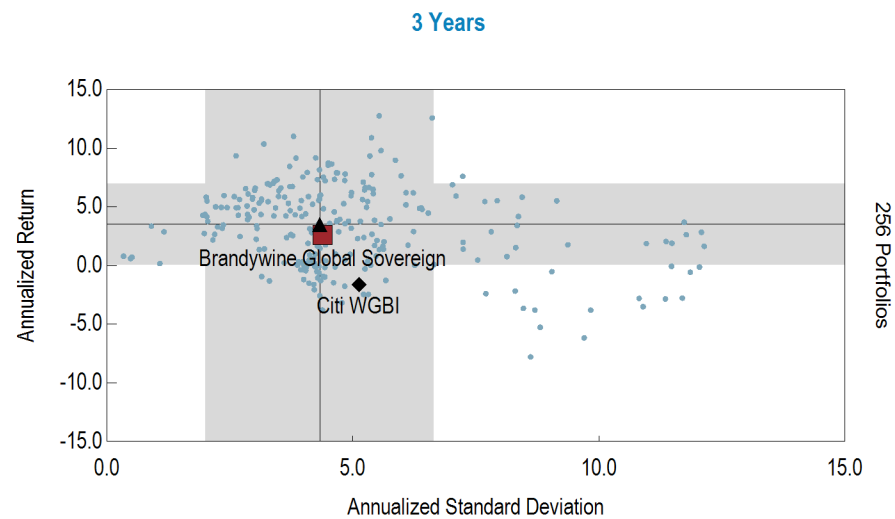
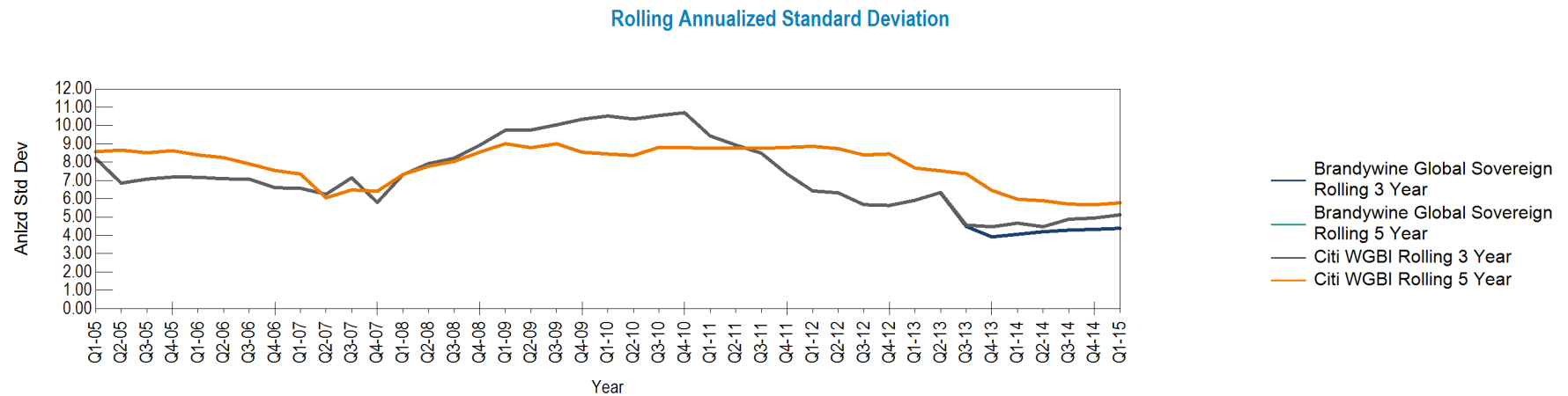
Period Ending: March 31, 2015



Returns prior to inception date are composite returns.

Brandywine Global Sovereign Risk vs. Return 3 & 5 Year

Period Ending: March 31, 2015



3 Years

	Anlzd Return	Anlzd Standard Deviation	Sharpe Ratio
Brandywine Global Sovereign	2.6%	4.4%	0.6
Citi WGBI	-1.6%	5.1%	-0.3
eA All Global Fixed Inc Gross Median	3.5%	4.3%	0.8

Returns prior to inception date are composite returns.

Glossary

Allocation Effect: An attribution effect that describes the amount attributable to the managers' asset allocation decisions, relative to the benchmark.

Alpha: The excess return of a portfolio after adjusting for market risk. This excess return is attributable to the selection skill of the portfolio manager. Alpha is calculated as: $\text{Portfolio Return} - [\text{Risk-free Rate} + \text{Portfolio Beta} \times (\text{Market Return} - \text{Risk-free Rate})]$.

Benchmark R-squared: Measures how well the Benchmark return series fits the manager's return series. The higher the Benchmark R-squared, the more appropriate the benchmark is for the manager.

Beta: A measure of systematic, or market risk; the part of risk in a portfolio or security that is attributable to general market movements. Beta is calculated by dividing the covariance of a security by the variance of the market.

Book-to-Market: The ratio of book value per share to market price per share. Growth managers typically have low book-to-market ratios while value managers typically have high book-to-market ratios.

Capture Ratio: A statistical measure of an investment manager's overall performance in up or down markets. The capture ratio is used to evaluate how well an investment manager performed relative to an index during periods when that index has risen (up market) or fallen (down market). The capture ratio is calculated by dividing the manager's returns by the returns of the index during the up/down market, and multiplying that factor by 100.

Correlation: A measure of the relative movement of returns of one security or asset class relative to another over time. A correlation of 1 means the returns of two securities move in lock step, a correlation of -1 means the returns of two securities move in the exact opposite direction over time. Correlation is used as a measure to help maximize the benefits of diversification when constructing an investment portfolio.

Excess Return: A measure of the difference in appreciation or depreciation in the price of an investment compared to its benchmark, over a given time period. This is usually expressed as a percentage and may be annualized over a number of years or represent a single period.

Information Ratio: A measure of a manager's ability to earn excess return without incurring additional risk. Information ratio is calculated as: excess return divided by tracking error.

Interaction Effect: An attribution effect that describes the portion of active management that is contributable to the cross interaction between the allocation and selection effect. This can also be explained as an effect that cannot be easily traced to a source.

Portfolio Turnover: The percentage of a portfolio that is sold and replaced (turned over) during a given time period. Low portfolio turnover is indicative of a buy and hold strategy while high portfolio turnover implies a more active form of management.

Price-to-Earnings Ratio (P/E): Also called the earnings multiplier, it is calculated by dividing the price of a company's stock into earnings per share. Growth managers typically hold stocks with high price-to-earnings ratios whereas value managers hold stocks with low price-to-earnings ratios.

R-Squared: Also called the coefficient of determination, it measures the amount of variation in one variable explained by variations in another, i.e., the goodness of fit to a benchmark. In the case of investments, the term is used to explain the amount of variation in a security or portfolio explained by movements in the market or the portfolio's benchmark.

Selection Effect: An attribution effect that describes the amount attributable to the managers' stock selection decisions, relative to the benchmark.

Sharpe Ratio: A measure of portfolio efficiency. The Sharpe Ratio indicates excess portfolio return for each unit of risk associated with achieving the excess return. The higher the Sharpe Ratio, the more efficient the portfolio. Sharpe ratio is calculated as: $\text{Portfolio Excess Return} / \text{Portfolio Standard Deviation}$.

Sortino Ratio: Measures the risk-adjusted return of an investment, portfolio, or strategy. It is a modification of the Sharpe Ratio, but penalizes only those returns falling below a specified benchmark. The Sortino Ratio uses downside deviation in the denominator rather than standard deviation, like the Sharpe Ratio.

Standard Deviation: A measure of volatility, or risk, inherent in a security or portfolio. The standard deviation of a series is a measure of the extent to which observations in the series differ from the arithmetic mean of the series. For example, if a security has an average annual rate of return of 10% and a standard deviation of 5%, then two-thirds of the time, one would expect to receive an annual rate of return between 5% and 15%.

Style Analysis: A return based analysis designed to identify combinations of passive investments to closely replicate the performance of funds

Style Map: A specialized form or scatter plot chart typically used to show where a Manager lies in relation to a set of style indices on a two-dimensional plane. This is simply a way of viewing the asset loadings in a different context. The coordinates are calculated by rescaling the asset loadings to range from -1 to 1 on each axis and are dependent on the Style Indices comprising the Map.

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