# Paterson & Associates

November 2013

# Monthly WRAP Fund Report

Prepared December 11, 2013

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## Paterson & Associates - Monthly WRAP Fund Report

November 2013

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			Average Monthly	Monthly Standard	Sharpe					MSCI	DEX Universe	<del></del>				
Nar	ne	Rating	Return	Deviation	Ratio	Alpha	Beta	TSX	S&P 500	EAFE	Bond	3 Month	1 Year	3 Year	5 Year	MER
Co	nservative Portfolios	Turniani Anna	. Mi 700/	000/ 5:44	/ 400	)/ 200/ F										
-	riservative Fortionos	Typical Asse	t IVIIX: 70% -	90% Fixed In	come / 10	% - 30% E	quity									
1	TD Advantage Balanced Income Portfolio	В	0.48%	0.90%	0.47	0.29%	0.26	0.6585	0.5781	0.7077	0.2478	4.1%	6.8%	5.7%		1.97
2	Fidelity Global Income Portfolio	В	0.71%	1.53%	0.42	0.41%	0.33	0.8026	0.6517	0.8029	0.0925	5.5%	8.5%	5.9%	8.8%	2.32
3	Meritas Income & Growth Portfolio	В	0.29%	0.72%	0.32	0.14%	0.20	0.7313	0.6791	0.7199	0.1372	3.6%	5.7%	3.8%		2.27
4	Marquis Balanced Income Portfolio	С	0.75%	1.49%	0.46	0.32%	0.58	0.8173	0.5692	0.6747	0.0280	5.1%	9.1%	6.0%	9.2%	2.40
5	CI Portfolio Series Income Fund Class A	D	0.70%	1.09%	0.58	0.54%	0.17	0.5702	0.6401	0.8198	0.2869	4.1%	8.5%	6.5%	8.6%	2.01
6	Meritage Moderate Income Portfolio	D	0.64%	1.09%	0.53	0.34%	0.41	0.7451	0.5396	0.7087	0.2792	3.8%	4.5%	4.9%	7.9%	2.19
7	Renaissance Optimal Income Portfolio	D	0.65%	1.19%	0.50	0.37%	0.39	0.6454	0.6170	0.7529	0.2939	4.2%	6.4%	6.0%	8.1%	1.97
8	TD Mgd Income Portfolio	D	0.57%	1.15%	0.44	0.28%	0.40	0.6866	0.6873	0.8121	0.2826	4.2%	8.1%	5.0%	7.0%	2.08
9	Fidelity Income Portfolio	D	0.67%	1.38%	0.44	0.39%	0.30	0.8111	0.6381	0.7669	0.1548	4.9%	7.3%	5.4%	8.2%	2.33
10	Meritage Moderate Portfolio	D	0.59%	1.24%	0.43	0.24%	0.47	0.7785	0.6804	0.8234	0.1639	4.5%	8.2%	5.0%	7.2%	2.26
11	. Meritage Conservative Income Portfolio	F	0.52%	0.87%	0.53	0.33%	0.26	0.5367	0.3265	0.5150	0.5682	2.3%	1.0%	3.5%	6.4%	2.10
12	Quotential Diversified Income Portfolio Series T	F	0.61%	1.13%	0.49	0.42%	0.21	0.6864	0.5229	0.6408	0.2158	3.9%	5.9%	5.2%	7.5%	1.98
13	Meritage Conservative Portfolio	F	0.48%	0.92%	0.46	0.27%	0.29	0.6007	0.5264	0.7085	0.4422	3.1%	3.7%	3.7%	5.9%	2.20
14	BMO SelectClass Security Portfolio	F	0.46%	0.88%	0.45	0.33%	0.14	0.5916	0.6035	0.6962	0.4883	3.3%	4.3%	4.3%		2.32
15	AGF Elements Yield Portfolio	F	0.54%	1.07%	0.45	0.31%	0.32	0.5541	0.4878	0.6458	0.4955	3.9%	4.1%	4.0%	6.7%	2.02
16	BMO Matchmaker Strategic Security Portfolio	F	0.46%	0.93%	0.43	0.26%	0.27	0.5360	0.6551	0.6920	0.4873	3.6%	6.4%	5.0%	5.7%	2.25
17	CIBC Managed Income Plus Portfolio	F	0.50%	1.12%	0.39	0.24%	0.35	0.5962	0.7761	0.8372	0.3240	4.1%	7.7%	5.4%	6.0%	2.18
18	TD Mgd Index Income Portfolio	F	0.50%	1.14%	0.38	0.36%	0.15	0.4944	0.6760	0.7551	0.5106	4.0%	7.0%	5.4%	6.1%	1.49
19	Invesco Intactive Diversified Income Portfolio	F	0.52%	1.22%	0.38	0.33%	0.21	0.6522	0.6306	0.7440	0.3202	2.4%	1.9%	3.8%	6.4%	1.91
20	SEI Income 20/80 Class P	F	0.43%	1.04%	0.36	0.22%	0.29	0.5099	0.5707	0.6399	0.4713	2.7%	3.5%	3.0%	5.2%	1.82
21	. BMO FundSelect Security Portfolio	F	0.38%	0.91%	0.34	0.18%	0.27	0.5427	0.7093	0.7607	0.4494	3.3%	5.1%	3.6%	4.6%	2.38
22	SEI Income 30/70 Class P	F	0.45%	1.25%	0.31	0.16%	0.40	0.6359	0.6817	0.7421	0.2733	3.6%	6.0%	3.2%	5.5%	2.10
23	S SEI Income 100 Class P	Not Rated	0.36%	0.89%	0.33	-0.01%	0.82	-0.1438	0.0864	0.1346	0.9205	1.0%	-0.9%	2.8%	4.4%	1.85
	Category Average		0.53%	1.09%	0.43	0.29%	0.33	0.6104	0.5884	0.7000	0.3449	3.7%	5.6%	4.7%	6.8%	2.10
Ва	lanced Portfolios	Typical Asset	t Mix: 40% -	60% Fixed In	come / 40°	% - 60% E	quity									
1		Α	0.96%	1.80%	0.50	0.64%	0.35	0.7344	0.8564	0.8925	-0.0344	8.5%	20.6%	11.8%	12.0%	0.95
2	_	A	0.84%	1.75%	0.44	0.32%	0.71	0.8698	0.6661	0.7847	-0.0572	6.0%	11.6%	7.2%	10.3%	2.47
3	-	В	0.72%	1.57%	0.42	0.39%	0.35	0.8344	0.6050	0.7912	0.0403	5.7%	10.6%	5.1%	8.8%	2.11
4			0.74%	1.71%	0.39	0.40%	0.36	0.7951	0.8170	0.8818	-0.0533	6.1%	14.5%	7.2%	9.0%	2.45
5	·	В	0.77%	1.80%	0.39	0.39%	0.41	0.8565	0.7184	0.8215	-0.0760	5.9%	14.3%	5.9%	9.4%	2.58
6	·	В	0.87%	2.27%	0.35	0.37%	0.53	0.8774	0.7231	0.8181	-0.1646	7.2%	18.4%	6.6%	10.6%	2.58
7	5	В	0.83%	2.27%	0.34	0.16%	0.91	0.8702	0.7143	0.8284	-0.1205	7.4%	15.7%	6.4%	10.1%	2.42
8		B -	0.54%	1.45%	0.33	0.21%	0.45	0.8607	0.7171	0.7346	-0.2508	6.1%	12.4%	5.7%		2.62
9	<u> </u>	В	0.74%	2.03%	0.33	0.34%	0.43	0.7937	0.8060	0.8802	-0.0113	7.2%	16.9%	7.0%	8.9%	2.43
10		В	0.68%	1.89%	0.33	0.11%	0.77	0.8901	0.7004	0.8222	-0.1355	6.1%	14.3%	5.8%	8.2%	3.18
11	. Manulife Simplicity Balanced Fund	В	0.71%	2.08%	0.31	0.25%	0.49	0.8821	0.7135	0.8255	-0.1156	6.0%	12.4%	5.0%	8.5%	2.66

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ame	Rating	Average Monthly Return	Monthly Standard Deviation	Sharpe Ratio	Alpha	Beta	TSX	S&P 500	MSCI EAFE	DEX Universe Bond	3 Month	1 Year	3 Year	5 Year	ME
L2 Meritas Growth Portfolio	В	0.56%	1.71%	0.29	0.20%	0.49	0.8476	0.8348	0.8315	-0.3670	7.5%	17.6%	7.2%		2.5
L3 SEI Balanced Monthly Income - P Class	В	0.65%	2.00%	0.29	0.06%	0.79	0.8445	0.7965	0.8405	-0.0242	6.3%	13.0%	5.4%	7.8%	2.4
L4 CC&L Diversified Income Portfolio	С	0.74%	1.31%	0.51	0.40%	0.46	0.7056	0.7421	0.7454	0.2110	5.8%	10.7%	7.7%	9.1%	2.
L5 Meritage Balanced Income Portfolio	С	0.72%	1.39%	0.48	0.32%	0.55	0.8234	0.6235	0.7591	0.1124	4.5%	7.7%	5.8%	8.9%	2.
L6 Meritage Balanced Portfolio	С	0.73%	1.77%	0.38	0.21%	0.71	0.8442	0.7035	0.8277	0.0054	5.9%	11.1%	5.6%	8.9%	2.
17 Fidelity Balanced Portfolio	С	0.82%	2.07%	0.36	0.37%	0.49	0.8834	0.7214	0.8108	-0.0530	6.4%	13.1%	6.4%	10.0%	2.
8 Quotential Balanced Growth Portfolio Series A	С	0.82%	2.12%	0.35	0.35%	0.50	0.8870	0.6668	0.8082	-0.1177	7.4%	15.6%	5.8%	9.9%	2.
.9 CI Portfolio Series Conservative Fund Class A	D	0.70%	1.47%	0.43	0.42%	0.30	0.7770	0.7941	0.8762	0.0157	5.3%	11.6%	6.4%	8.6%	2.
O TD Mgd Income & Moderate Growth Portfolio	D	0.65%	1.56%	0.38	0.36%	0.31	0.7563	0.7768	0.8629	0.1212	5.8%	12.1%	6.2%	8.0%	2.
BMO SelectClass Balanced Portfolio	D	0.66%	1.60%	0.37	0.34%	0.34	0.7974	0.7118	0.8103	0.1033	4.9%	9.1%	5.7%		2.
2 SEI Income 40/60 Class P	D	0.55%	1.41%	0.34	0.17%	0.51	0.7375	0.7746	0.8190	0.1885	4.4%	8.1%	4.6%	6.7%	2.
3 TD Advantage Balanced Growth Portfolio	D	0.59%	1.62%	0.32	0.29%	0.32	0.8673	0.7804	0.8203	-0.2135	6.6%	14.2%	7.3%		2
4 SEI Balanced 50/50 Class P	D	0.61%	1.72%	0.32	0.13%	0.65	0.7884	0.7930	0.8348	0.0903	5.3%	10.3%	5.1%	7.3%	2
5 Distinction Conservative Portfolio	D	0.56%	1.69%	0.29	0.05%	0.69	0.8889	0.6970	0.8148	-0.1165	4.9%	11.4%	4.6%	6.7%	3
6 Invesco Intactive Balanced Growth Portfolio Ser A	D	0.64%	1.99%	0.29	0.27%	0.40	0.7637	0.7355	0.8245	0.0596	3.7%	5.8%	4.9%	7.7%	2
7 SEI Balanced 60/40 Fund Class - P	D	0.62%	2.01%	0.28	0.21%	0.45	0.8420	0.7964	0.8415	-0.0352	6.3%	13.1%	5.0%	7.5%	2
3 TD Advantage Balanced Portfolio	F	0.53%	1.23%	0.38	0.32%	0.23	0.8185	0.7235	0.7972	-0.0447	5.3%	10.4%	6.5%		2
BMO Matchmaker Strategic Balanced Portfolio	F	0.61%	1.58%	0.35	0.29%	0.35	0.8224	0.7694	0.7667	0.0461	5.2%	12.3%	6.5%	7.4%	C
TD Mgd Index Income & Moderate Growth Portfolio	F	0.57%	1.50%	0.34	0.33%	0.26	0.6474	0.8002	0.8621	0.2574	5.4%	11.2%	6.5%	6.9%	1
Invesco Intactive Balanced Income Portfolio Ser A	F	0.58%	1.56%	0.33	0.30%	0.30	0.7154	0.6842	0.7715	0.1942	2.7%	2.4%	4.1%	7.0%	2
2 BMO FundSelect Balanced Portfolio	F	0.55%	1.52%	0.32	0.26%	0.31	0.7625	0.8297	0.8584	0.0801	5.7%	11.7%	5.8%	6.6%	2
3 Distinction Prudent Portfolio	F	0.50%	1.38%	0.32	0.10%	0.55	0.8641	0.6914	0.8008	-0.0873	4.0%	9.6%	4.7%	6.1%	2
4 AGF Elements Conservative Portfolio	F	0.46%	1.26%	0.32	0.24%	0.24	0.7242	0.7698	0.7986	0.2229	5.1%	7.9%	4.3%	5.6%	2
5 TD Mgd Index Balanced Growth Portfolio	F	0.61%	1.93%	0.29	0.27%	0.37	0.7225	0.8417	0.8924	0.0992	6.2%	13.9%	7.0%	7.4%	1
AGF Elements Balanced Portfolio	F	0.59%	1.86%	0.28	0.21%	0.40	0.8228	0.7881	0.8444	0.0090	7.1%	12.1%	5.4%	7.1%	2
Category Average		0.67%	1.72%	0.35	0.28%	0.46	0.8116	0.7468	0.8222	-0.0062	5.8%	12.2%	6.1%	8.3%	2
rowth Portfolios	Typical Asse	t Mix: 10% -	30% Fixed In	come / 70%	% - 90% E	quity									
L Meritage Equity Income Portfolio	Α	0.91%	2.20%	0.38	0.25%	0.89	0.8771	0.6582	0.7870	-0.1181	7.1%	12.5%	7.1%	11.1%	2
Fidelity Growth Portfolio	A	0.99%	2.59%	0.36	0.43%	0.59	0.8604	0.7743	0.8286	-0.1062	8.3%	20.4%	8.8%	12.0%	2
Fidelity Global Growth Portfolio	A	1.05%	2.81%	0.35	0.48%	0.62	0.8285	0.7960	0.8562	-0.1191	9.3%	22.8%	9.7%	12.9%	2
CI Portfolio Series Balanced Fund Class A	В	0.76%	1.98%	0.35	0.36%	0.43	0.8112	0.8184	0.8774	-0.1177	6.7%	16.6%	7.6%	9.3%	2
Fidelity Global Balanced Portfolio	В	0.84%	2.22%	0.35	0.38%	0.49	0.8344	0.7489	0.8560	-0.0383	7.2%	14.4%	7.0%	10.2%	2
Marquis Growth Portfolio	В	0.97%	2.77%	0.33	0.37%	0.64	0.8782	0.7204	0.8133	-0.2234	8.5%	22.9%	7.2%	11.8%	2
7 CI Portfolio Series Growth Fund Class A	В	0.86%	2.54%	0.31	0.34%	0.56	0.8309	0.8139	0.8598	-0.1972	8.9%	22.8%	9.1%	10.4%	2
3 CC&L Balanced Growth Portfolio	В	0.68%	2.04%	0.30	0.06%	0.84	0.8919	0.7480	0.8157	-0.1054	6.2%	12.6%	5.6%	8.2%	2
										-0.1866	9.1%		0.00/	40 50/	
Ouotential Growth Portfolio Series A C\$	В	0.87%	2.68%	0.30	0.30%	0.62	0.8661	0.7273	0.8454	-U.TO00	9.1%	20.4%	6.6%	10.5%	- 2
•	<b>В</b> В					0.62				-0.1866		20.4% 18.6%	6.6% 8.0%	10.5%	
9 Quotential Growth Portfolio Series A C\$ 10 TD Advantage Growth Portfolio 11 SEI Growth 80/20 Fund Class - P		0.87% 0.65% 0.75%	2.68% 2.16% 2.63%	0.30 0.27 0.26	0.30% 0.24% 0.19%		0.8661 0.8908 0.8639	0.7273 0.8026 0.8044	0.8454 0.8142 0.8419		8.0% 8.1%			9.0%	2. 2. 2.

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lame	Rating	Average Monthly Return	Monthly Standard Deviation	Sharpe Ratio	Alpha	Beta	TSX	S&P 500	MSCI EAFE	DEX Universe Bond	3 Month	1 Year	3 Year	5 Year	MER
13 CI Portfolio Series Balanced Growth Fund Class A	С	0.82%	2.26%	0.34	0.36%	0.50	0.8363	0.8073	0.8640	-0.1660	7.6%	19.5%	8.3%	10.0%	2.46
14 BMO FundSelect Growth Portfolio	C	0.82%	2.45%	0.34	0.35%	0.51	0.7879	0.8073	0.8667	-0.1000	8.2%	18.7%	7.4%	10.0%	2.40
15 TD Mgd Aggressive Growth Portfolio	C	0.83%	2.43%	0.29	0.33%	0.57	0.8056	0.8229	0.8793	-0.0322	8.7%	22.2%	7.4%	9.9%	2.52
16 TD Mgd Index Aggressive Growth Portfolio	C	0.79%	2.58%	0.28	0.28%	0.55	0.8049	0.8242	0.8804	-0.0781	7.9%	19.4%	7.5%	8.0%	1.64
.7 Distinction Growth Portfolio	c	0.76%	2.55%	0.27	0.18%	0.62	0.9104	0.6874	0.8030	-0.2339	7.2%	19.4%	6.1%	9.1%	3.29
L8 Distinction Bold Portfolio	С	0.79%	2.90%	0.25	0.15%	0.69	0.8949	0.7012	0.8197	-0.2568	7.8%	22.2%	6.6%	9.4%	3.40
9 Dynamic Diversified Real Asset Fund	C	0.77%	3.85%	0.18	-0.20%	1.32	0.7125	0.1310	0.2764	0.0872	-3.5%	-13.2%	-6.9%	8.7%	2.4
O SEI Growth 70/30 Class P	D	0.67%	2.31%	0.26	0.18%	0.53	0.8636	0.8012	0.8346	-0.1003	7.1%	15.0%	5.2%	8.0%	2.5
Invesco Intactive Growth Portfolio Series A	D	0.70%	2.46%	0.26	0.21%	0.52	0.7969	0.7596	0.8431	-0.0623	4.8%	9.9%	5.7%	8.3%	2.3
2 AGF Elements Growth Portfolio	D	0.68%	2.43%	0.26	0.16%	0.56	0.8742	0.7613	0.8375	-0.1099	8.3%	15.7%	5.6%	8.1%	2.3
BMO Matchmaker Strategic Growth Portfolio	F	0.77%	2.32%	0.31	0.29%	0.52	0.8519	0.7896	0.7950	-0.0775	7.2%	18.1%	7.8%	9.3%	0.0
Renaissance Optimal Inflation Opportunities Portfolic	TBD	0.71%	1.77%	0.37	0.50%	0.22	0.7374	0.4098	0.7995	0.0414	5.9%	12.2%			2.4
Category Average		0.80%	2.47%	0.30	0.27%	0.60	0.8408	0.7275	0.8130	-0.1194	7.2%	16.6%	6.6%	9.7%	2.4
ggressive Growth Portfolios T	ypical Asse	t Mix: 0% - 2	0% Fixed Inc	ome / 80%	- 100% E	quity									
1 TD U.S. Equity Portfolio	В	1.21%	3.36%	0.34	0.06%	1.00	0.5653	0.9691	0.7526	-0.1655	13.5%	40.7%	17.5%	14.8%	2.5
BMO SelectClass Aggressive Growth Portfolio	В	0.94%	2.93%	0.30	0.13%	0.79	0.8656	0.7767	0.8209	-0.1799	8.6%	20.8%	8.6%		2.6
Marquis Equity Portfolio	В	1.09%	3.45%	0.30	0.17%	0.90	0.8715	0.7237	0.8153	-0.2639	10.0%	28.5%	8.0%	13.1%	2.7
BMO FundSelect Aggressive Growth Portfolio	D	0.87%	2.82%	0.29	0.04%	0.80	0.8212	0.8201	0.8720	-0.1291	10.4%	24.5%	8.7%	10.4%	2.8
CI Portfolio Series Maximum Growth Fund Class A	D	0.92%	3.09%	0.28	0.04%	0.85	0.8455	0.8059	0.8392	-0.2476	10.0%	27.0%	9.8%	11.0%	2.4
Quotential Global Growth Portfolio Series A C\$	D	0.91%	3.14%	0.27	-0.04%	0.92	0.7001	0.8386	0.9270	-0.1369	11.4%	29.5%	9.5%	10.9%	2.6
7 TD Mgd Max Equity Growth Portfolio	D	0.89%	3.27%	0.25	-0.07%	0.93	0.8101	0.8263	0.8740	-0.1539	10.0%	26.5%	8.4%	10.5%	2.6
SEI Global Growth 100 Fund Class - P	D	0.85%	3.21%	0.24	-0.12%	0.94	0.7767	0.8625	0.8897	-0.1754	10.7%	28.6%	9.0%	10.0%	2.6
BMO Matchmaker Aggressive Growth Portfolio	F	0.88%	3.01%	0.27	0.05%	0.80	0.8499	0.7906	0.8052	-0.1694	8.7%	23.4%	8.4%	10.6%	0.0
Invesco Intactive Maximum Growth Portfolio Ser A	F	0.82%	3.05%	0.25	-0.06%	0.85	0.7991	0.7974	0.8654	-0.1669	7.2%	18.6%	7.6%	9.7%	2.3
1 TD Advantage Aggressive Growth Portfolio	F	0.70%	2.73%	0.23	0.04%	0.63	0.8996	0.8131	0.8052	-0.3828	9.3%	22.8%	8.7%		2.2
2 TD Mgd Index Max Eqty Growth Portfolio	F	0.81%	3.21%	0.23	-0.16%	0.94	0.7768	0.8640	0.9016	-0.1042	9.9%	25.5%	9.6%	9.5%	1.6
3 AGF Elements Global Portfolio	F	0.72%	3.24%	0.20	-0.23%	0.92	0.8333	0.8085	0.8854	-0.1565	10.2%	21.0%	6.2%	8.3%	2.5
Category Average		0.89%	3.12%	0.27	-0.01%	0.87	0.8011	0.8228	0.8503	-0.1871	10.0%	25.9%	9.2%	10.8%	2.3

# Paterson & Associates—Monthly WRAP Fund Report

### Methodology & Ratings Definitions

November 2013

### Methodology:

Fund Ratings which are highlighted in Green indicate an upgraded rating from the previous month. Fund Ratings highlighted in Red indicate a downgraded rating from the previous month.

The period under review is the most recent 60 month period, or the inception date of the fund, whichever is shorter.

To determine our rankings, fund returns are analyzed both on an absolute and a relative basis. We study such factors as the average return, the average relative return, the average monthly volatility, the average relative volatility, the risk adjusted return, expected future returns, and the greatest upside and downside movements in the past 60 months. We then put these quantitative factors into our proprietary model which ranks the funds based on our criteria. We combine this quantitative ranking with qualitative factors to determine a fund's final monthly ranking.

Only funds with greater than 36 months of data are eligible to receive a rating. We do not generate a rating on Fixed Income Funds.

### Ranking Definitions:

Effective January 1, 2011, we switched to a letter grade rating system. A brief explanation of our ratings follows:

- F Over the most recent 60 month period, the fund did not generate a rate of return in excess of its benchmark on either a net of fees or gross of fees basis. The Fund will also have an expected return which is lower than its benchmark. A fund rated F may still have a place within a portfolio for risk reduction purposes, depending on individual circumstances.
- **D** Over the most recent 60 month period, the fund did not generate a rate of return in excess of its benchmark on a net of fees basis. It did generate excess return on a gross of fees basis.
- **C** A fund which is rated a **C** added some level of value to the benchmark. However, the consistency in returns and the consistency with which the fund beat the benchmark is lacking.
- B A fund that is rated a B has a strong track record of steady returns and has consistently added value to the benchmark.
- A A fund rated A has delivered stellar risk adjusted returns for the period under review.

# Paterson & Associates—Monthly WRAP Fund Report

Disclaimer November 2013

Information is from sources believed to be reliable. Every effort is made to ensure its accuracy, however, we cannot be responsible for inaccuracies or omissions in any of the data.

Information used in this analysis is historic in nature. Past performance is no guarantee of future performance.

Monthly Standard Deviation is the most recent 60 month historical standard deviation of returns.

Sharpe Ratio is a measure of risk adjusted returns. The higher the ratio, the better the manager has been at delivering more return for less risk.

Alpha represents the excess return which the manager has been able to deliver over and above the applicable benchmark.

Beta represents the volatility of the fund relative to its applicable benchmark. A beta of one means that there is a level of volatility equal that of the benchmark. A beta in excess of one indicates that the volatility is greater than the benchmark, while a beta of less than one indicates that volatility is less than the benchmark.

Correlation measures the similarity in return patterns between the fund and a benchmark. The correlation will range between -1 and +1. A correlation close to +1 indicates that the fund and the index have very similar return patters. A correlation close to -1 indicates that the returns are almost opposite, while a correlation close to zero indicates no relationship.

Historic returns are calculated using the monthly return data in our database. Slight variations in return results will be attributable to decimal rounding and number truncation. Past performance does not guarantee future performance.

This publication does not constitute an offer to sell or the solicitation of an offer to buy any securities. The information provided in this publication is not intended to constitute legal, accounting, financial, tax or investment advice. Many factors unknown to us may affect the applicability of any statement or comment found in this report to your particular circumstances. Those seeking specific investment advise should consider a qualified investment professional.

#### **About Us:**

Paterson & Associates is an independent consulting firm specializing in providing research and due diligence on a number of different investment products including mutual funds, hedge funds and other exempt market products. In addition Paterson & Associates offers fully customized portfolio optimization solutions to independent financial planners.

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