

# Canadian Equity Structure Analysis – As of December 2009

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*University of Western Ontario – Pension Plan*

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Bruce Curwood, Director, Investment Strategy

May 17, 2010

# Composite Scenarios

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The following performance and equity characteristic composite scenarios are compared in this analysis:

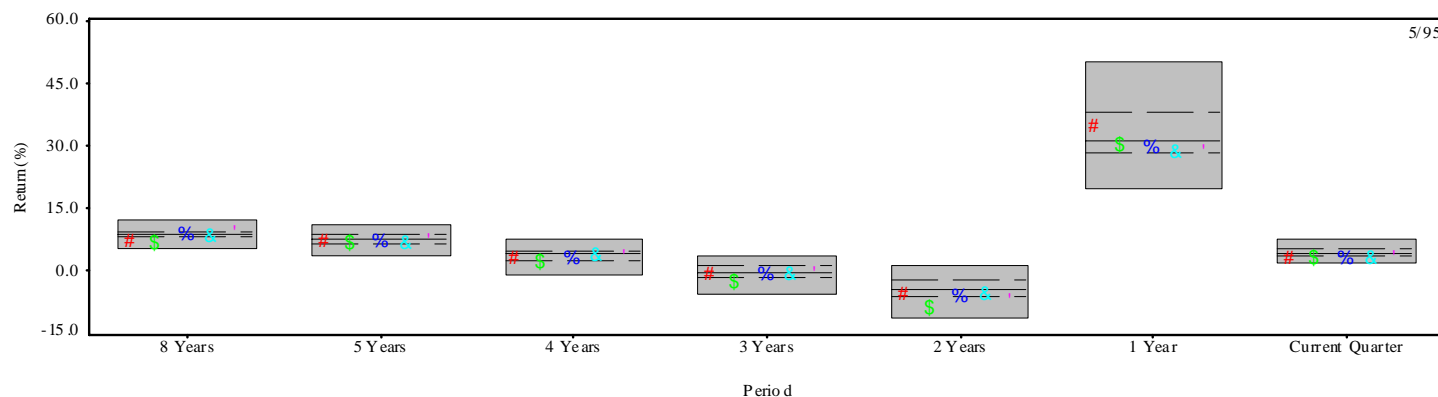
- Actual = Actual Canadian Equity History
- Comp 1 – Current Structure Simulated (Equal-Wtd.) = 25% Beutel, Goodman/ 25% CC&L / 25% Highstreet / 25% Greystone
- Comp 2 – Beutel Greystone CC&L = 33% Beutel / 33% Greystone / 33% CC&L
- Comp 3 – Beutel Greystone Highstreet = 33% Beutel / 33% Greystone / 33% Highstreet

# *Performance Analysis*

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# Composites vs. Canadian Equity Manager Peers

Annualized Periods Ending December 31, 2009



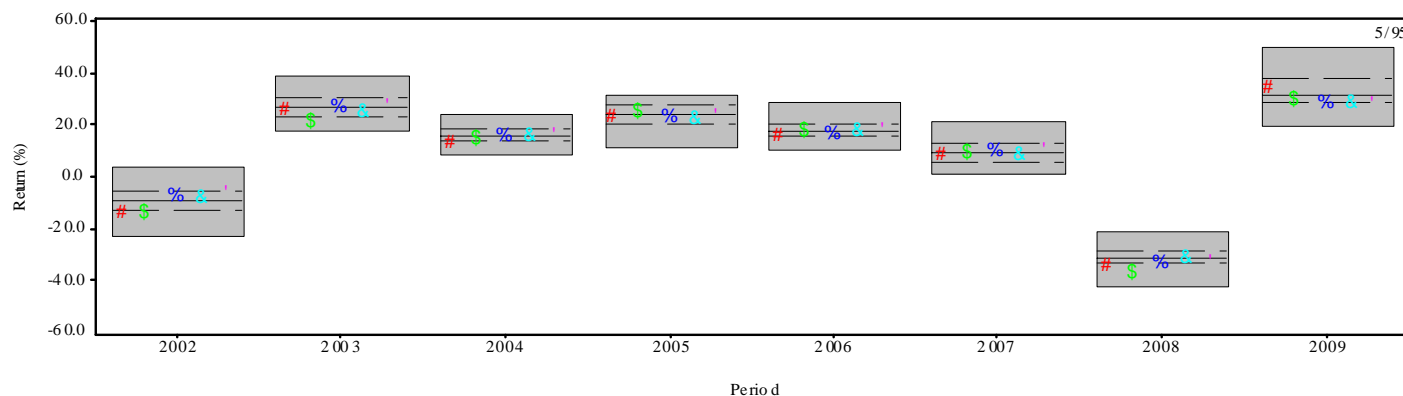
	Return	(% tile)	Return	(% tile)	Return	(% tile)	Return	(% tile)	Return	(% tile)	Return	(% tile)	Return	(% tile)
<b>5th Percentile</b>	12.1		11.0		7.3		3.8		1.2		50.0		7.7	
<b>25th Percentile</b>	9.6		8.6		5.0		1.1		- 2.1		38.1		5.1	
<b>Median</b>	8.8		7.6		4.0		- 0.1		- 4.1		31.4		4.0	
<b>75th Percentile</b>	7.9		6.6		2.6		- 1.7		- 6.4		28.5		3.2	
<b>95th Percentile</b>	5.0		3.8		- 0.4		- 5.2		-10.7		20.2		1.9	
<b># of Portfolios</b>	66		83		86		88		96		97		98	
<b>S&amp;P/TSX Composite Index</b>	7.9	78	7.7	48	3.9	52	- 0.2	54	- 4.9	56	35.1	37	3.9	58
<b>Actual</b>	7.1	86	6.9	71	2.6	78	- 2.3	81	- 8.3	88	30.7	56	3.8	60
<b>Comp 1</b>	9.2	42	7.6	53	3.8	56	- 0.5	60	- 5.8	70	30.1	60	3.9	59
<b>Comp 2</b>	8.9	50	7.6	53	4.0	51	- 0.4	58	- 5.0	58	29.3	66	3.8	60
<b>Comp 3</b>	9.2	42	7.6	53	3.8	56	- 0.7	66	- 6.3	75	28.7	73	3.6	62

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# Composites vs. Canadian Equity Manager Peers

## Calendar Years 2002-2009



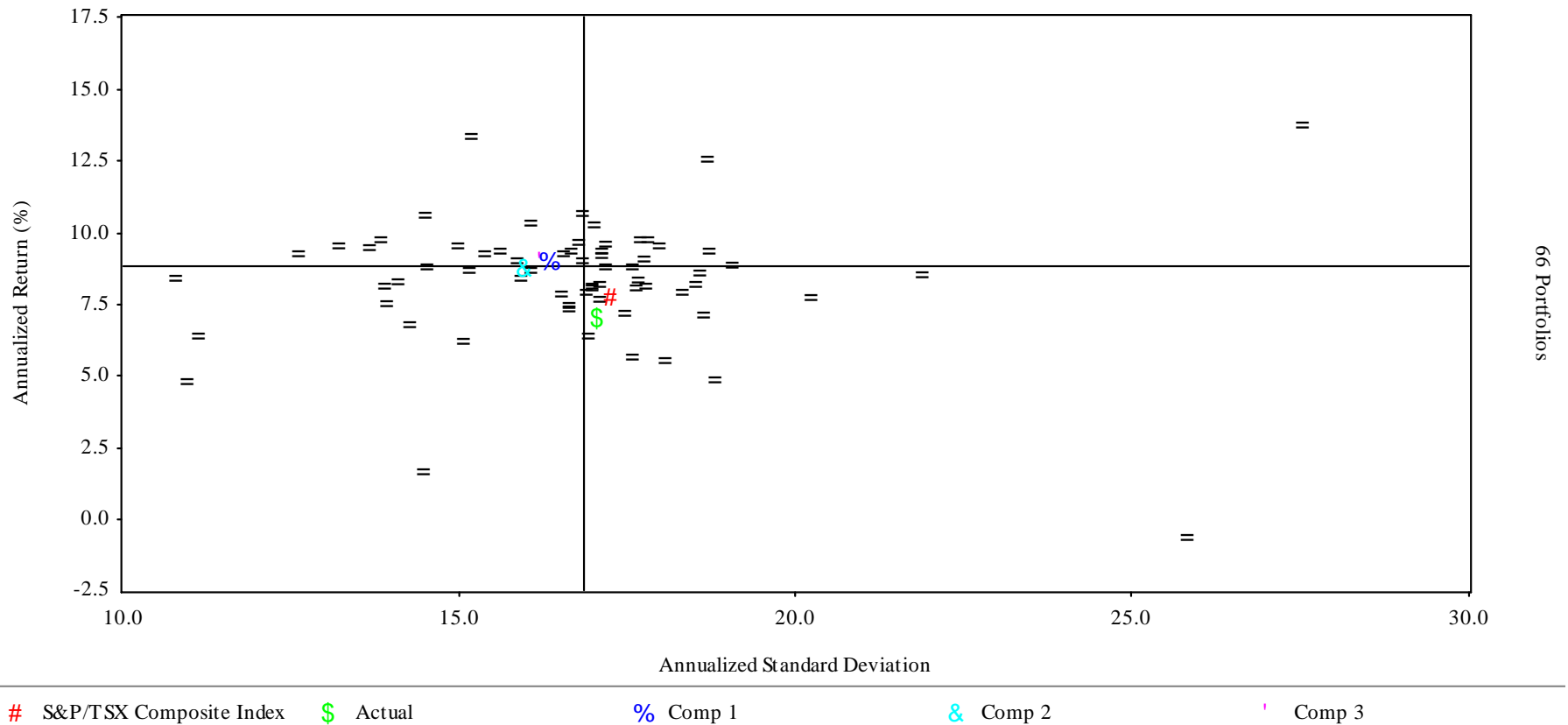
	Return	Return	Return	Return	Return	Return	Return	Return
<b>5th Percentile</b>	3.5	38.6	23.9	32.0	28.2	21.5	-20.4	50.0
<b>25th Percentile</b>	- 5.7	30.0	18.4	27.5	20.5	12.5	-28.7	38.1
<b>Median</b>	- 9.0	26.4	15.8	24.1	17.7	9.1	-31.4	31.4
<b>75th Percentile</b>	-13.3	23.0	14.0	20.1	15.4	5.7	-33.8	28.5
<b>95th Percentile</b>	-21.7	18.6	8.8	12.1	10.4	1.6	-41.8	20.2
<b># of Portfolios</b>	83	82	75	81	80	81	91	97
<b>S&amp;P/TSX Composite Index</b>	-12.4	26.7	14.5	24.1	17.3	9.8	-33.0	35.1
<b>Actual</b>	-12.8	22.7	16.3	26.1	18.5	11.0	-35.6	30.7
<b>Comp 1</b>	- 6.0	27.4	17.0	24.1	17.8	11.1	-31.8	30.1
<b>Comp 2</b>	- 6.5	26.2	16.6	23.2	18.3	9.6	-30.3	29.3
<b>Comp 3</b>	- 5.7	27.5	16.5	24.1	18.6	11.6	-31.8	28.7

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# Risk/Return Comparison

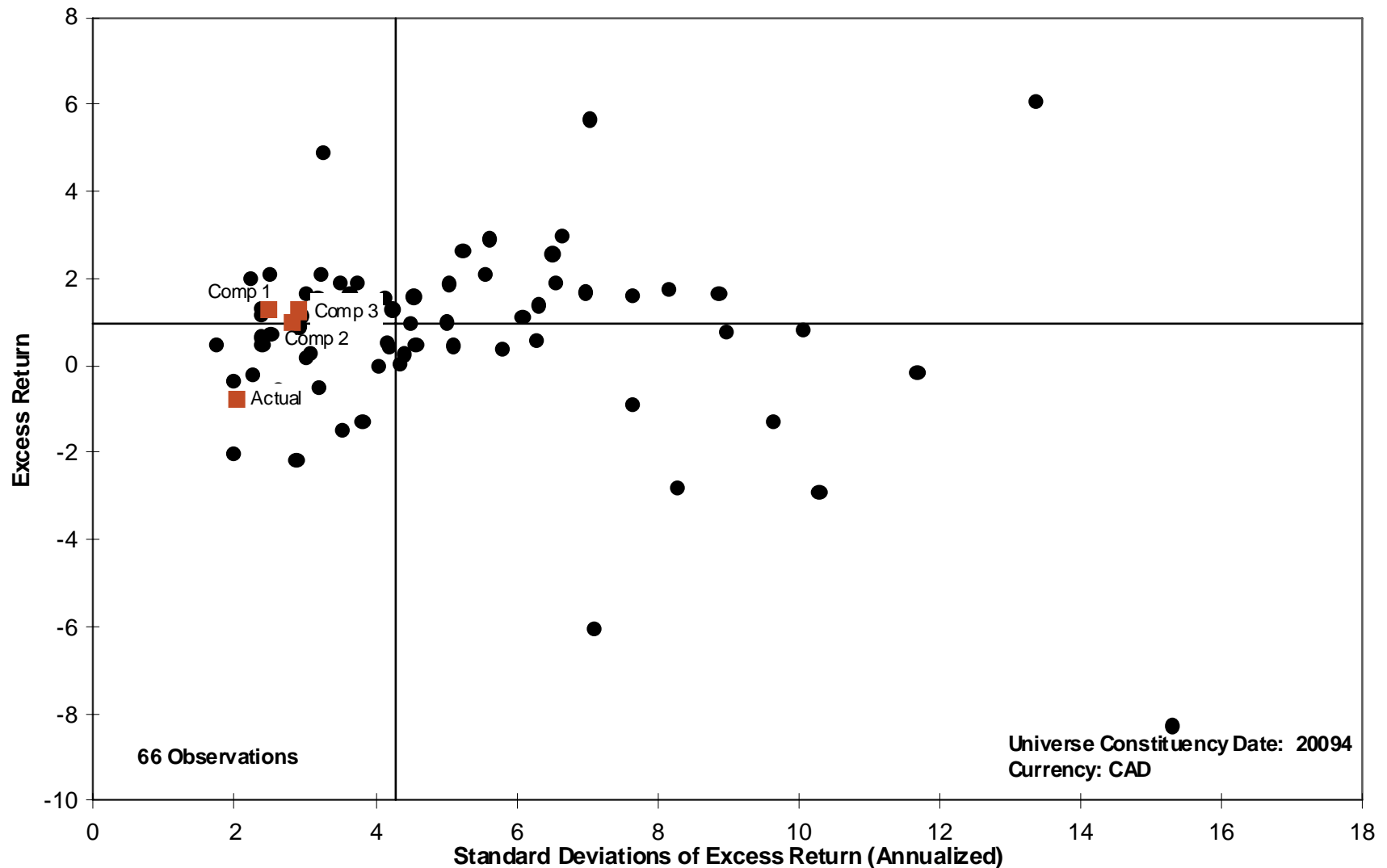
## Eight Years Ending December 31, 2009



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# Excess Returns and Tracking Error

Eight Years Ending December 31, 2009



# *Performance and Risk Analysis Charts*

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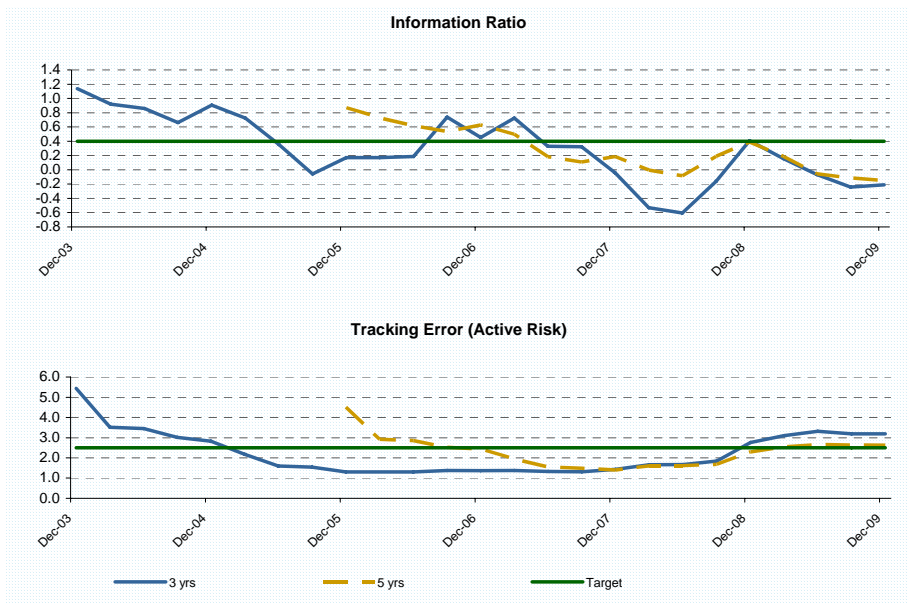
# 33% Beutel / 33% Greystone / 33% CC&L

S&P/TSX Composite Index

Canadian Large Cap Stocks with Cash Portfolios Universe

As of 12/31/2009

Inception Date 1st Quarter 2001



Performance Table

	Annualized Return 12/31/2009					Calendar Return				
	1 Yr	2 Yrs	3 Yrs	5 Yrs	Incept	2009	2008	2007	2006	2005
Absolute Return	29.3	(5.0)	(0.4)	7.6	8.0	29.3	(30.3)	9.6	18.3	23.2
Benchmark Return	35.1	(4.9)	(0.2)	7.7	5.4	35.1	(33.0)	9.8	17.3	24.1
Excess Return	(5.7)	(0.2)	(0.2)	(0.1)	2.6	(5.7)	2.7	(0.2)	1.0	(0.9)
Universe Rank %Tile	66%	58%	57%	53%	--	66%	42%	48%	45%	55%
Tracking Error	--	--	3.19	2.63	4.01	--	--	--	--	--
Information Ratio (IR)	--	--	(0.21)	(0.15)	0.51	--	--	--	--	--
IR T-Stat	--	--	(0.36)	(0.34)	1.53	--	--	--	--	--
Beta	--	--	0.91	0.91	0.86	--	--	--	--	--
Standard Deviation	--	--	20.5	17.3	16.0	--	--	--	--	--
Sharpe Ratio	--	--	(0.14)	0.28	0.32	--	--	--	--	--

Consistency of Excess Returns (rolling quarterly periods)

	Qtr	1 Yr	3 Yrs	5 Yrs
% Periods Outperform	50%	64%	72%	82%
Avg Excess Return	0.5	1.4	1.1	1.0
Number of Observations	36	33	25	17

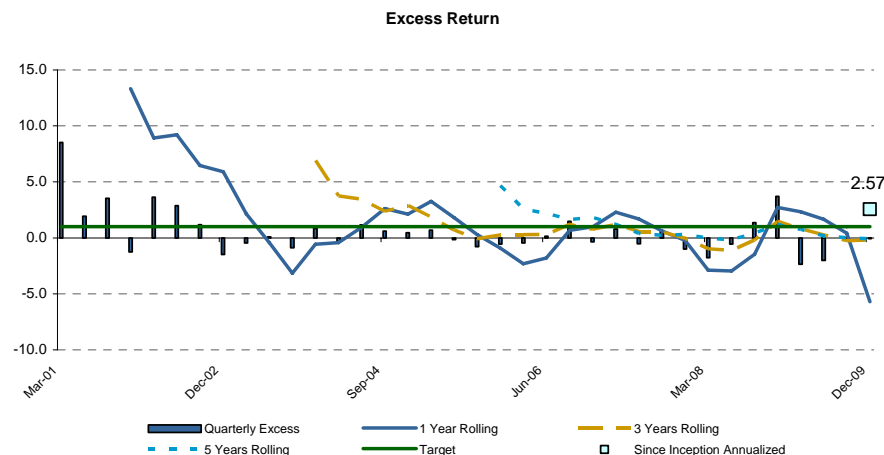
## UWO Pension

Expected Annualized Alpha 100 b.p.

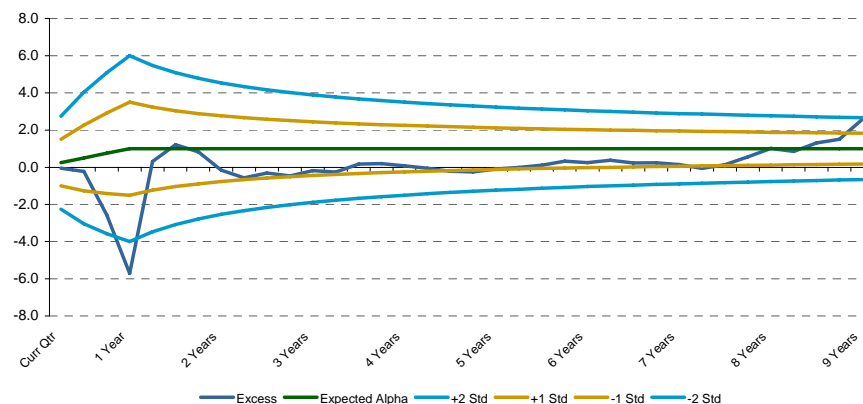
Expected Annualized Tracking Error 250 b.p.

Expected Information Ratio 0.4

Excess Annual VaR of -3.1% at 5% level



Actual Annualized Returns vs Expectations



# 33% Beutel / 33% Greystone / 33% Highstreet

S&P/TSX Composite Index

Canadian Large Cap Stocks with Cash Portfolios Universe

As of 12/31/2009

Inception Date 1st Quarter 2001

## UWO Pension

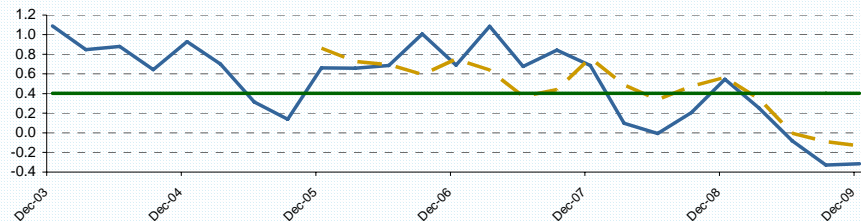
Expected Annualized Alpha 100 b.p.

Expected Annualized Tracking Error 250 b.p.

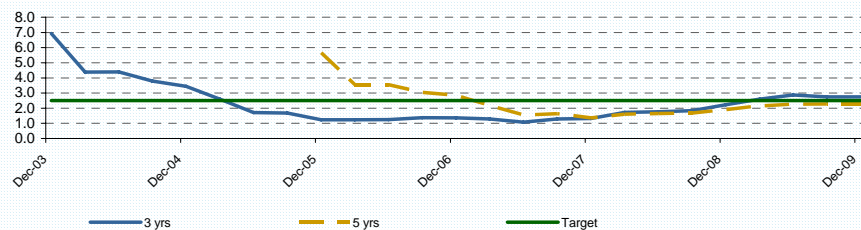
Expected Information Ratio 0.4

Excess Annual VaR of -3.1% at 5% level

Information Ratio



Tracking Error (Active Risk)



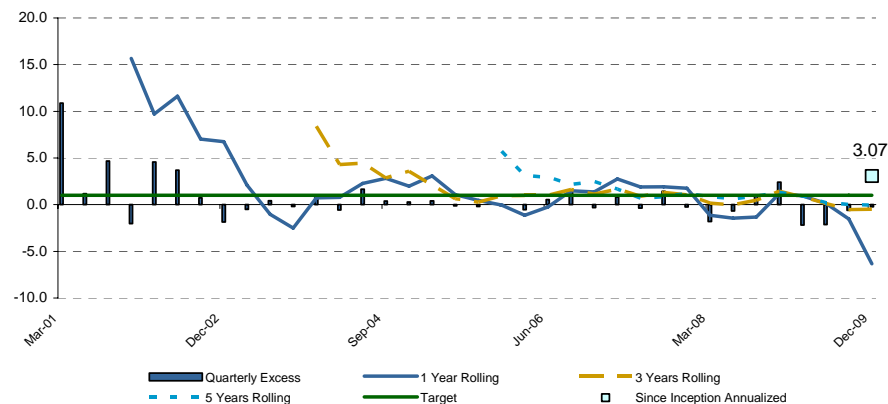
Performance Table

	Annualized Return 12/31/2009					Calendar Return				
	1 Yr	2 Yrs	3 Yrs	5 Yrs	Incept	2009	2008	2007	2006	2005
Absolute Return	28.7	(6.3)	(0.7)	7.6	8.5	28.7	(31.8)	11.6	18.6	24.1
Benchmark Return	35.1	(4.9)	(0.2)	7.7	5.4	35.1	(33.0)	9.8	17.3	24.1
Excess Return	(6.3)	(1.4)	(0.5)	(0.1)	3.1	(6.3)	1.2	1.8	1.4	(0.0)
Universe Rank %Tile	73%	75%	66%	52%	--	73%	55%	34%	41%	50%
Tracking Error	--	--	2.75	2.28	4.73	--	--	--	--	--
Information Ratio (IR)	--	--	(0.31)	(0.13)	0.54	--	--	--	--	--
IR T-Stat	--	--	(0.55)	(0.30)	1.61	--	--	--	--	--
Beta	--	--	0.92	0.93	0.86	--	--	--	--	--
Standard Deviation	--	--	20.9	17.7	16.0	--	--	--	--	--
Sharpe Ratio	--	--	(0.15)	0.28	0.35	--	--	--	--	--

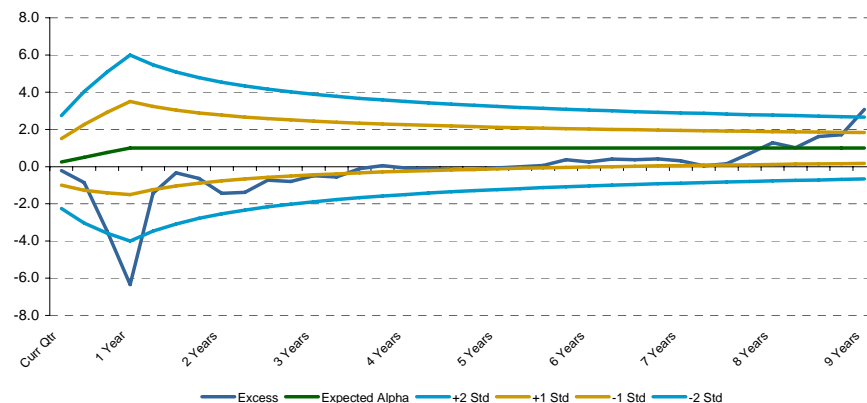
Consistency of Excess Returns (rolling quarterly periods)

	Qtr	1 Yr	3 Yrs	5 Yrs
% Periods Outperform	50%	70%	88%	94%
Avg Excess Return	0.6	1.9	1.6	1.5
Number of Observations	36	33	25	17

Excess Return



Actual Annualized Returns vs Expectations





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