

July 2023

SCOTIABANK ALTERNATIVE MUTUAL FUND INDEX

The Scotiabank Alternative Mutual Fund Index ended June 2023 **up 0.36%** MOM on an asset-weighted basis and **up 0.39%** MOM on an equal-weighted basis.

Our index tracks the monthly equal-weighted performance of constituents classified as Canadian Alternative Mutual Funds, as defined by National Instrument 81-102. Given the emerging nature of liquid alternatives, there is no minimum track record, or AUM, required for inclusion in the Index at this time. We are now tracking the performance of 74 funds, split between equity and credit-focused strategies and are adding new constituents as the market grows.

Index Summary

*Month End July 2023	Value	Return MoM	Return YTD	Rolling 12 Mth	Sharpe Ratio^	Correlation to S&P 500^	Correlation to S&P/TSX 60^
Scotiabank Alternative Mutual Fund Index Asset-Weighted	1,110.15	0.36%	2.06%	2.03%	0.15	0.86	0.82
Scotiabank Alternative Mutual Fund Index Equal-Weighted	1,182.13	0.39%	1.56%	1.58%	0.39	0.86	0.90
S&P/TSX Composite	20,626.64	2.34%	6.41%				
S&P/TSX 60 Total Return	3,988.05	2.14%	7.99%	7.80%			
S&P 500 (CAD-adjusted)	6,052.84	2.71%	16.31%				
S&P 500 Total Return (in USD)	9,866.77	4.09%	20.65%	13.01%			
DEX 91 Day Treasury Bill Index	440.47	0.40%	2.54%				
DEX Universe Bond Index	1,063.10	-1.08%	1.39%				

^Values are calculated monthly

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Sub-Index Performance

Alternative Equity Focused – Equal-Weighted

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	2.14%	-0.96%	0.06%	1.24%	-1.52%	0.60%	-0.17%						1.34%
2022	-1.70%	-0.10%	0.82%	-1.31%	-0.61%	-2.89%	2.00%	-0.86%	-2.38%	2.69%	2.65%	-2.78%	-4.60%
2021	1.12%	3.54%	2.10%	2.91%	0.30%	1.36%	1.55%	1.43%	-1.65%	1.86%	-0.64%	3.06%	18.17%
2020	-	-	-	7.10%	2.37%	0.52%	3.13%	1.60%	-0.98%	-1.07%	4.53%	2.61%	N/A*

Alternative Credit Focused – Equal-Weighted

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	1.81%	-0.39%	0.08%	0.63%	-0.36%	0.24%	0.42%						2.44%
2022	-1.31%	-0.96%	-0.79%	-1.88%	-0.36%	-1.83%	1.95%	-0.42%	-1.70%	0.10%	1.15%	0.09%	-5.87%
2021	0.52%	0.15%	0.10%	0.48%	0.28%	0.70%	0.16%	0.23%	-0.11%	-0.21%	-0.36%	0.44%	2.42%
2020	-	-	-	2.91%	1.57%	1.80%	1.72%	0.70%	-0.43%	-0.09%	1.89%	0.55%	N/A*

Alternative Equity Focused – Asset-Weighted

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	0.97%	-0.83%	1.26%	1.53%	-0.84%	0.53%	-0.08%						2.54%
2022	-4.22%	-0.49%	0.43%	-2.76%	-1.03%	-2.97%	2.76%	-0.72%	-1.82%	2.13%	2.76%	-3.23%	-9.06%
2021	0.77%	1.81%	-0.56%	2.23%	-1.56%	3.19%	1.82%	2.18%	-2.51%	2.32%	0.02%	1.27%	11.38%
2020	-	-	-	3.57%	1.77%	1.12%	3.13%	1.53%	-0.42%	0.08%	2.35%	2.05%	N/A*

Alternative Credit Focused – Asset-Weighted

_	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	1.92%	-0.15%	-0.45%	0.85%	-0.19%	0.40%	0.52%						2.90%
2022	-1.32%	-1.17%	-0.88%	-1.76%	-0.19%	-1.93%	1.52%	-0.35%	-1.76%	-0.04%	0.82%	0.01%	-6.89%
2021	0.11%	-0.23%	-0.22%	0.56%	0.38%	0.37%	0.20%	0.05%	-0.35%	-0.35%	-0.27%	0.39%	0.64%
2020	-	-	-	2.02%	1.13%	1.38%	1.31%	0.77%	-0.29%	-0.05%	1.09%	0.56%	N/A*

*2020 YTD data not available. The data for sub-indices is available from April 2020.

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Historical Monthly Returns

Scotiabank Alternative Mutual Fund Index - Asset-Weighted

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	0.92%	-0.42%	0.51%	0.97%	-0.66%	0.38%	0.36%						2.06%
2022	-2.44%	-0.90%	-0.25%	-1.59%	-0.62%	-2.22%	1.40%	-0.14%	-1.02%	0.81%	1.55%	-1.19%	-6.50%
2021	0.37%	0.94%	-0.47%	1.49%	-0.34%	1.32%	0.85%	1.16%	-1.46%	0.94%	-0.14%	0.90%	5.64%
2020	1.53%	-1.95%	-4.32%	2.84%	1.36%	0.63%	2.30%	0.91%	-0.59%	-0.22%	1.60%	1.75%	4.91%
2019	1.01%	0.65%	0.87%	1.18%	-1.79%	0.84%	0.29%	0.06%	-0.47%	-0.13%	1.33%	0.23%	5.33%

Scotiabank Alternative Mutual Fund Index - Equal-Weighted

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2023	1.58%	-0.59%	0.02%	0.84%	-1.14%	0.47%	0.39%						1.56%
2022	-1.09%	-0.19%	0.43%	-0.88%	-0.63%	-2.17%	1.21%	-0.42%	-1.41%	1.19%	1.61%	-0.91%	-3.30%
2021	0.76%	1.60%	0.64%	1.78%	0.31%	0.76%	0.80%	0.82%	-0.95%	0.94%	-0.60%	1.78%	8.93%
2020	0.49%	-2.70%	-6.61%	4.59%	1.76%	0.70%	2.49%	0.88%	-0.68%	-0.61%	2.79%	2.19%	4.91%
2019	1.60%	0.69%	0.81%	0.82%	-1.11%	0.72%	0.37%	0.13%	-0.14%	-0.14%	1.16%	0.33%	5.33%

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Index Constituents

Accelerate Arbitrage Fund	EHP Advantage International Alternative Fund A	NewGen Alterna
Accelerate Enhanced Canadian Benchmark Alternative Fund	EHP Foundation Alternative Fund Class A	Ninepoint Alter
Accelerate OneChoice Alternative Portfolio ETF	EHP Global Arbitrage Alternative Fund A	PCJ Absolute Re
AGF US Market Neutral Anti-Beta CAD-Hedged ETF	EHP Select Alternative Fund	Pender Alternat
Arrow Capital Management, Inc. (Wavefront Global Diversified I -	A) EHP Strategic Income Alternative Fund Class A	Pender Alternat
Arrow EC Income Advantage Alternative Fund Class A	Fidelity Global Value Long / Short Fund Share Class B	Picton Mahone
Arrow Global Multi-Asset Alternative Fund Class A	Fidelity Long / Short Alternative Fund Series F5	Picton Mahone
Arrow Long/Short Alternative Class A	Fidelity Market Neutral Alternative Fund Series F	Picton Mahone
CC&L Alternative Income Fund, Series A	Forge First Conservative Alternative Fund - Series A	Picton Mahone
CC&L Global Long/Short Fund, Series A	Forge First Long / Short Alternative Fund - Series A	Picton Mahone
CC&L Global Market Neutral II Fund, Series A	Guardian Strategic Income Fund Series A	Picton Mahone
CI Alternative Investment Grade Credit Fund A	Hamilton Enhanced Canadian Bank HCAL	Picton Mahone
CI Marret Alternative Absolute Return Bond Strategy ETF	Lysander-Canso Credit Opportunities Fund Series A	Picton Mahone
CI Marret Alternative Enhanced Yield Fund Class A	Lysander-Triasima All Country Long/Short Equity Fund Series A	Purpose Credit
CI Munro Alternative Global Growth Class A	Mackenzie Alternative Enhanced Yield Fund - Series A	Purpose Divers
CI Munro Alternative Global Growth ETF	Mackenzie Credit Absolute Return Fund Series A	Purpose Multi S
CIBC Multi-Asset Absolute Return Strategy	Mackenzie Diversified Alternatives Fund Series A	RP Alternative 0
Desjardins Alt Long/Short Equity Market Neutral ETF (DANC)	Mackenzie Global Macro Fund Series A	RP Fixed Incom
Dynamic Alpha Performance II Fund - Series A	Mackenzie Multi-Strategy Absolute Return Fund Series A	Russell Investm
Dynamic Credit Absolute Return II - Series F	Mackenzie Private Equity Replication Fund Series A	Venator Alterna
Dynamic Liquid Alternatives Private Pool - Series A	Marret Alternative Absolute Return Bond Fund Class A	Vision Alternati
Dynamic Premium Yield PLUS Fund - Series A	Maxam Arbitrage Fund Class F	Waratah Altern
Dynamic Real Estate & Infrastructure Income II Fund Series A	Maxam Diversified Strategies Fund Class A	Waratah Altern
Dynamic Short Term Credit PLUS Fund - Series A	NBI Liquid Alternatives ETF	YTM Capital Fix
EHP Advantage Alternative Fund Class A		

native Income Fund Class F ernative Credit Opportunities Fund Return II Fund Series A CAD ative Absolute Return Fund Class F ative Arbitrage Fund Fund Class F ney Arbitrage Fund B ney Fortified Active Extension Alternative Fund A ey Fortified Alpha Alternative Fund A ey Fortified Arbitrage Plus Alternative Fund F ey Fortified Income Alternative Fund A ney Fortified Long Short Alternative Fund A ney Fortified Market Neutral Alternative Fund F ey Fortified Multi-Strategy Alternative Fund F it Opportunities Fund A CAD rsified Real Asset Fund Series A CAD Strategy Market Neutral Fund Series F CAD Global Bond Fund Class F me Plus Fund Series A ments Yield Opportunities Pool F CAD ative Income Fund Class A tive Income Fund Class A rnative Equity Income Liquid Alt Class F rnative ESG Liquid Alternative Fund Class F xed Income Alternative Fund Series A

Please send Index and subscription inquiries to <u>schfindex.data@scotiabank.com</u> Media inquiries: (416) 933-3250

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