

Mackenzie Canadian Aggregate Bond Index ETF

Canadian Fixed Income

Compound Annualized Returns	11/30/2022
1 Month	2.7%
3 Months	1.2%
Year-to-date	-10.1%
1 Year	-8.6%
2 Years	-6.1%
3 Years	-2.0%
Since inception (Jan. 2018)	0.7%

Regional Allocation 10/31/2022

CASH & EQUIVALENTS	
Cash & Equivalents	3.3%
OVERALL	
Canada	92.7%
United States	2.7%
Germany	0.4%
United Kingdom	0.2%
Australia	0.1%
Other***	0.6%
Total	100%

Sector Allocation 10/31/2022

Provincial Bonds	34.7%
Federal Bonds	34.2%
Corporates	25.2%
Municipal Bonds	1.9%
Foreign Fixed Income	0.1%
Cash & Equivalents	3.3%
Other	0.6%
Total	100%

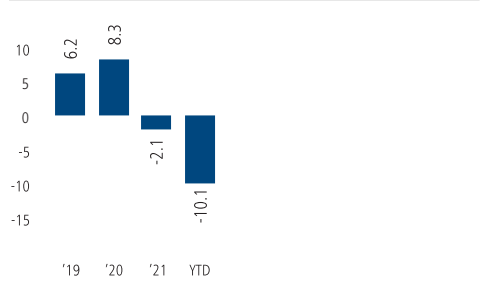
Credit Allocation** 10/31/2022

AAA	35.5%	BBB	10.0%
AA	15.6%	NR	5.0%
A	30.6%	Cash & Equivalents	3.3%

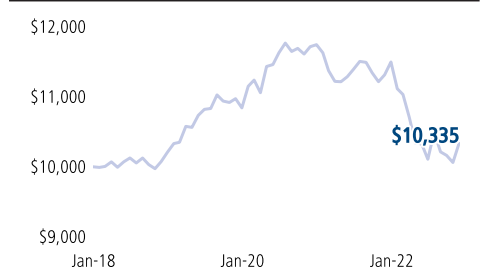
Index Provider

Solactive provides tailor-made and broad based indices across all asset classes, which are developed, calculated and distributed worldwide. Based in Frankfurt, Germany, and since its founding in 2007, Solactive has grown to be one of the market leaders in the indexing industry.

Calendar Year Returns (%) 11/30/2022



Value of \$10,000 invested 11/30/2022



Major Holdings 11/30/2022

Major Holdings Represent 22.3% of the fund

Cash, Cash Equivalents 1	4.7%
CAN 1 1/2 05/01/24	4.4%
CAN 1 1/2 04/01/25	2.9%
CAN 0 1/2 11/01/2023	1.8%
CAN 1 1/4 03/01/27	1.7%
CAN 2 06/01/32	1.7%
ONT 3 3/4 06/02/32	1.7%
CAN 1 1/2 06/01/31	1.3%
CANHOU 0.95 06/15/2025	1.1%
Q 3.5 12/01/48	1.0%

TOTAL NUMBER OF HOLDINGS: 981

Fund Risk Measures

Annual Std Dev	6.0
Annual Std Dev. B'mark	6.1
Alpha	-0.1
Beta	1.0
R-squared	1.0
Sharpe Ratio	-0.6

Source: Mackenzie Investments

Key Fund Data 10/31/2022

Ticker:	QBB
Total Fund Assets:	\$570.33 million
NAVPS (11/30/2022):	\$91.40
CUSIP:	55452S105
Listing Date:	01/29/2018
Index:	Solactive Canadian Float Adjusted Universe Bond Index
Fund Category:	Canadian Fixed Income
Distribution Frequency:	Monthly
DRIP Eligibility:	Yes
Management Fee:	0.07%
Modified Duration:	7.25 year(s)
Yield to Maturity:	4.22%
Weighted Average Coupon:	2.72%
Distribution Yield:	2.09%

Term to Maturity (years) 10/31/2022

0 - 1 year	4.3%
1 - 2 years	11.5%
2 - 3 years	11.8%
3 - 5 years	16.7%
5 - 7 years	9.4%
7 - 10 years	16.7%
10 - 15 years	4.0%
15 - 20 years	5.0%
20+ years	17.3%
Cash & Equivalents	3.3%
Total	100%

Why Invest in this fund?

- Market capitalization weighed indexing results in lower portfolio turnover and transaction costs versus other forms of indexing.
- Targeted access to specific market segments.
- Daily transparency of holdings.

Risk Tolerance

LOW	MEDIUM	HIGH
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* The Solactive Canadian Float Adjusted Universe Bond Index is designed to track the performance of the bonds denominated in Canadian dollars that are issued in the Canadian market. The index seeks to provide a broad measure of the Canadian investment-grade fixed-income market, covering government, quasi-government and corporate bonds.

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** Credit allocation details are provided by one or more sources that may include DBRS, S&P, Bloomberg, FTSE TMX and Citigroup Corp.

*** Other includes currency contracts.