

Mackenzie US Investment Grade Corporate Bond Index ETF (CAD-Hedged)

US Fixed Income

Compound Annualized Returns 11/30/2022

1 Month	2.8%
3 Months	-1.8%
Year-to-date	-15.5%
1 Year	-15.5%
2 Years	-8.7%
3 Years	-3.1%
Since inception (Jan. 2018)	0.1%

Sector Allocation 10/31/2022

Corporates	115.8%
Other	0.6%
Cash & Equivalents	-16.4%
Total	100%

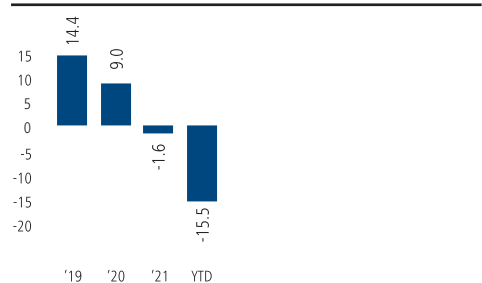
Credit Allocation** 10/31/2022

AAA	1.9%	BB	0.1%
AA	11.6%	NR	0.1%
A	38.9%	Other	0.6%
BBB	63.2%	Cash & Equivalents	-16.4%

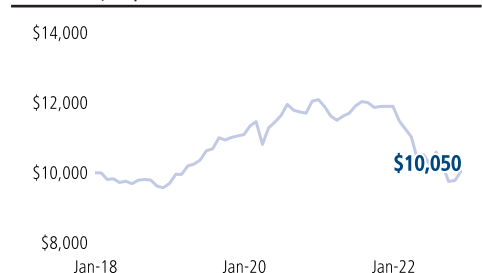
Index Provider

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 7.6% of the fund

Cash, Cash Equivalents 1	1.2%
Oracle Corp	0.9%
CURRENCY CONTRACT - CAD USD - 23084	0.8%
BAC 3.974 02/07/30	0.7%
CURRENCY CONTRACT - CAD USD - 23081	0.7%
GOLDMAN SACHS G 3.5 11/26	0.7%
ABIBB 4.9 02/01/2046	0.7%
WFC 2.879 10/30/30	0.6%
BAC 3.55 03/05/24	0.6%
JPM 3.797 07/23/24	0.6%

TOTAL NUMBER OF HOLDINGS: 486

Fund Risk Measures

Annual Std Dev	8.4
Annual Std Dev. B'mark	8.6
Alpha	0.8
Beta	1.0
R-squared	1.0
Sharpe Ratio	-0.6

Source: Mackenzie Investments

Key Fund Data 10/31/2022

Ticker:	QUIG
Total Fund Assets:	\$387.60 million
NAVPS (11/30/2022):	\$85.37
CUSIP:	55455H106
Listing Date:	01/29/2018
Index*:	Solactive Select USD Investment Grade Corporate Hedged to CAD TR Index
Fund Category:	US Fixed Income
Distribution Frequency:	Monthly
DRIP Eligibility:	Yes
Management Fee:	0.15%
Modified Duration:	6.84 year(s)
Yield to Maturity:	5.81%
Weighted Average Coupon:	3.74%
Distribution Yield:	2.94%

Term to Maturity (years) 10/31/2022

0 - 1 year	0.7%
1 - 2 years	6.6%
2 - 3 years	10.2%
3 - 5 years	23.1%
5 - 7 years	14.0%
7 - 10 years	22.5%
10 - 15 years	7.1%
15 - 20 years	6.4%
20+ years	25.2%
Other	0.6%
Cash & Equivalents	-16.4%
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 Select USD Investment Grade Corporate Hedged to CAD TR Index is a rules-based, market value weighted index engineered to mirror the performance of investment grade corporate bonds issued in USD. The US dollar currency exposure is hedged back to Canadian dollars.

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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.