

# MACKENZIE U.S. AGGREGATE BOND INDEX ETF (CAD-HEDGED)

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## **Annual Management Report of Fund Performance**

*For the Year Ended March 31, 2023*

*This Annual Management Report of Fund Performance contains financial highlights but does not contain the complete annual financial statements of the exchange-traded fund ("ETF"). You may obtain a copy of the annual financial statements, at no cost, by calling the toll-free number 1-800-387-0614, by writing to us at Mackenzie Financial Corporation, 180 Queen Street West, Toronto, Ontario M5V 3K1, by visiting our website at [www.mackenzieinvestments.com](http://www.mackenzieinvestments.com) or by visiting the SEDAR website at [www.sedar.com](http://www.sedar.com). Unitholders may also contact us using one of these methods to request a copy of the ETF's interim financial report, proxy voting policies and procedures, proxy voting disclosure record or quarterly portfolio disclosure. For more information, please refer to the ETF's Prospectus and ETF Facts, which may also be obtained, at no cost, using any of the methods outlined above.*

*For the ETF's current net asset values per security and for more recent information on general market events, please visit our website.*

### **A NOTE ON FORWARD-LOOKING STATEMENTS**

*This report may contain forward-looking statements that reflect our current expectations or forecasts of future events. Forward-looking statements include statements that are predictive in nature, depend upon or refer to future events or conditions, or include words such as "expects", "anticipates", "intends", "plans", "believes", "estimates", "preliminary", "typical" and other similar expressions. In addition, these statements may relate to future corporate actions, future financial performance of a fund or a security and their future investment strategies and prospects. Forward-looking statements are inherently subject to, among other things, risks, uncertainties and assumptions that could cause actual events, results, performance or prospects to differ materially from those expressed in, or implied by, these forward-looking statements. These risks, uncertainties and assumptions include, without limitation, general economic, political and market factors in North America and internationally, interest and foreign exchange rates, the volatility of global equity and capital markets, business competition, technological change, changes in government regulations, changes in securities laws and regulations, changes in tax laws, unexpected judicial or regulatory proceedings, catastrophic events, outbreaks of disease or pandemics (such as COVID-19), and the ability of Mackenzie to attract or retain key employees. The foregoing list of important risks, uncertainties and assumptions is not exhaustive. Please consider these and other factors carefully and do not place undue reliance on forward-looking statements.*

*The forward-looking information contained in this report is current only as of the date of this report. There should not be an expectation that such information will in all circumstances be updated, supplemented or revised whether as a result of new information, changing circumstances, future events or otherwise.*



**MACKENZIE**  
Investments

# MACKENZIE U.S. AGGREGATE BOND INDEX ETF (CAD-HEDGED)

ANNUAL MANAGEMENT REPORT OF FUND PERFORMANCE | For the Year Ended March 31, 2023

## Management Discussion of Fund Performance

June 5, 2023

This Management Discussion of Fund Performance presents the portfolio management team's view on the significant factors and developments that have affected the ETF's performance and outlook in the year ended March 31, 2023 (the "period"). If the ETF was established during the period, "period" represents the period since inception.

In this report, "Mackenzie" and "the Manager" refer to Mackenzie Financial Corporation, the manager of the ETF. In addition, net asset value ("NAV") refers to the value of the ETF as calculated for subscription and redemption purposes, on which the discussion of ETF performance is based.

Please read *A Note on Forward-Looking Statements* on the first page of this document.

### Investment Objective and Strategies

The ETF seeks to replicate, to the extent possible and before fees and expenses, the performance of the Solactive US Aggregate Bond Hedged to CAD Index, or any successor thereto. It invests primarily in U.S. investment grade fixed income securities. Foreign currency is hedged back to the Canadian dollar.

### Risk

The risks of the ETF remain as discussed in the ETF's Prospectus.

The ETF is suitable for short- to medium-term investors looking for regular income through holding a U.S. fixed income fund as part of their portfolio, who can handle the volatility of bond markets and who have a low tolerance for risk.

### Results of Operations

#### Investment Performance

During the period, the ETF returned -5.5% (after deducting fees and expenses). This compares with the Solactive US Aggregate Bond Hedged to CAD Index return of -5.9%. All index returns are calculated on a total return basis in Canadian dollar terms. Investors cannot invest in an index without incurring fees, expenses and commissions, which are not reflected in the index returns.

In response to persistently high inflation, the U.S. Federal Reserve increased the federal funds rate by 450 basis points over the period to end at a target of 4.75%–5.00%. Concerns that higher interest rates could cause a recession were reflected in rising yields for high-yield bonds, with spreads (the difference in yield between high-yield and investment grade bonds) near the long-term average.

Through the period, the ETF used a sampling methodology to invest in broadly diversified securities that collectively approximate the full index in terms of key characteristics. Alternatively, the ETF may invest its assets directly in the bonds that make up the index, holding each bond in approximately the same proportion as its weighting in the index. The ETF uses derivative instruments to hedge its foreign currency exposure back to the Canadian dollar.

The difference in performance between the ETF and the index resulted primarily from the sampling methodology of the ETF. This was partially offset by management fees and other operating expenses.

Over the period, changes were made to the ETF's holdings to reflect changes in the composition of the index.

### Net Assets

The ETF's net assets increased by 214.0% during the period to \$28.3 million. This change was composed primarily of \$0.1 million in net losses (including any interest and/or dividend income) from investment performance, after deducting fees and expenses, and an increase of \$19.3 million due to net unitholder activity (including sales, redemptions and cash distributions).

At March 31, 2023, 18.0% of the ETF's NAV was held as inventory by the ETF's designated broker primarily for the purpose of sales to investors in the secondary market. As a result of these investments, the ETF is subject to large transaction risk as discussed in the Prospectus. Mackenzie manages this risk to reduce the possibility of any adverse effect on the ETF or on its investors, through such processes as settling transactions in kind, charging creation and/or redemption fees for transactions settling in cash, and establishing appropriate order cut-off times for transactions.

### Recent Developments

Because the ETF is an index fund, neither market expectations nor recent developments affect the composition of the portfolio.

Effective March 31, 2023, KPMG LLP was appointed as the auditor of the ETF.

### Related Party Transactions

#### Management Fees

The management expense ratio ("MER") for the ETF during the year ended March 31, 2023, was similar to the MER for the year ended March 31, 2022. Total expenses paid vary from period to period mainly as a result of changes in average assets in the ETF. The MERs are presented in the *Financial Highlights* section of this report. The ETF paid management fees to the Manager at the annual rate of 0.15%.

The management fee for the ETF is calculated and accrued daily as a percentage of its NAV. The ETF's management fees were used by the Manager to pay for the costs of managing the investment portfolio of the ETF, including providing investment analysis and recommendations, making investment decisions, making brokerage arrangements for the purchase and sale of the investment portfolio, providing other services and licensing the index, and to pay for all costs and expenses (other than certain specified fund costs as more fully described in the Prospectus) required to operate the ETF.

#### Other Related Party Transactions

Investment funds managed by Mackenzie and its affiliates may invest in the ETF in accordance with the investment objectives of those funds. At March 31, 2023, funds managed by Mackenzie owned 54.1% of the ETF's NAV, funds managed by Canada Life Investment Management Ltd. owned 7.0% of the ETF's NAV, and funds managed by I.G. Investment Management, Ltd. owned 17.4% of the ETF's NAV. All related party transactions are based on the current market price. As a result of these investments, the ETF may be subject to large transaction risk as discussed in the Prospectus. Mackenzie manages this risk to reduce the possibility of any adverse effects on the ETF or on its investors, through such processes as settling transactions in kind, charging creation and/or redemption fees for transactions settling in cash, and establishing appropriate order cut-off times for transactions.

During the period, the ETF received \$0.01 million in income distributions from investments in other ETFs managed by Mackenzie to offset fees paid within those ETFs. There is no assurance that these distributions will continue in the future.

The Manager relied on an approval provided by the Mackenzie Funds' Independent Review Committee to appoint KPMG LLP as the auditor of the ETF, effective March 31, 2023.

# MACKENZIE U.S. AGGREGATE BOND INDEX ETF (CAD-HEDGED)

ANNUAL MANAGEMENT REPORT OF FUND PERFORMANCE | For the Year Ended March 31, 2023

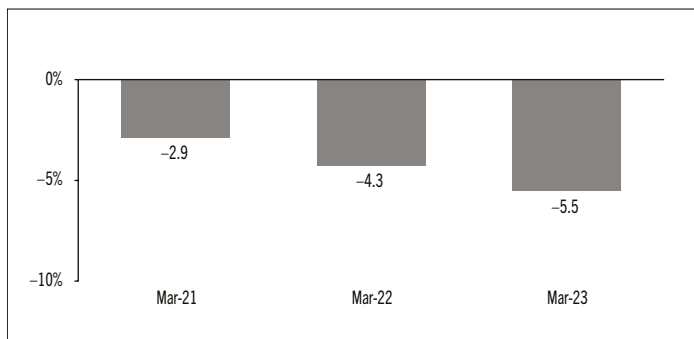
## Past Performance

The ETF's past performance information is presented in the following chart and table. It assumes all distributions made by the ETF in the periods presented are reinvested in additional units of the ETF. The chart and table do not take into account brokerage commissions or income taxes payable by any investor that would have reduced returns. The past performance of the ETF is not necessarily an indication of how it will perform in the future.

If you hold this ETF outside of a registered plan, income and capital gains distributions paid to you increase your income for tax purposes whether paid to you in cash or reinvested in additional units of the ETF. The amount of reinvested taxable distributions is added to the adjusted cost base of the units that you own. This would decrease your capital gain or increase your capital loss when you later sell from the ETF, thereby ensuring that you are not taxed on this amount again. Please consult your tax advisor regarding your personal tax situation.

## Year-by-Year Returns

The following bar chart presents the performance of the ETF for each of the fiscal periods shown. The chart shows, in percentage terms, how much an investment made on the first day of each fiscal period, or on the ETF's inception date (September 24, 2020), as applicable, would have increased or decreased by the last day of the fiscal period presented.



## Annual Compound Returns

The following table compares the historical annual compound total returns for the ETF with the relevant index or indices shown below for each of the periods ended March 31, 2023. Investors cannot invest in an index without incurring fees, expenses and commissions, which are not reflected in these performance figures.

All index returns are calculated in Canadian dollars on a total return basis, meaning that all dividend payments, interest income accruals and interest payments are reinvested.

Percentage Return:	1 Yr	3 Yr	5 Yr	10 Yr	Since Inception
Mackenzie U.S. Aggregate Bond Index ETF (CAD-Hedged)	-5.5	n/a	n/a	n/a	-5.0
Solactive US Aggregate Bond Hedged to CAD Index	-5.9	n/a	n/a	n/a	-4.9

*The Solactive US Aggregate Bond Hedged to CAD Index is a market capitalization weighted index that represents a wide spectrum of investment grade fixed income securities publicly issued in the U.S. market. The U.S. dollar exposure is hedged to the Canadian dollar.*

# MACKENZIE U.S. AGGREGATE BOND INDEX ETF (CAD-HEDGED)

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## Summary of Investment Portfolio at March 31, 2023

EFFECTIVE PORTFOLIO ALLOCATION	% OF NAV
Bonds	86.7
Other assets (liabilities)	7.1
Cash and short-term investments	6.0
Swaps*	0.2

EFFECTIVE REGIONAL ALLOCATION	% OF NAV
United States	76.5
Other assets (liabilities)	7.1
Cash and short-term investments	6.0
Canada	5.0
Singapore	1.1
Jersey	0.9
United Kingdom	0.9
Other	0.6
Ireland	0.5
Netherlands	0.4
Japan	0.2
Luxembourg	0.2
Spain	0.2
Australia	0.2
China	0.1
Brazil	0.1

EFFECTIVE SECTOR ALLOCATION	% OF NAV
Foreign government bonds	44.1
Corporate bonds	31.0
Mortgage backed	7.2
Other assets (liabilities)	7.1
Cash and short-term investments	6.0
Federal bonds	3.5
Provincial bonds	0.9
Other	0.2

BONDS BY CREDIT RATING **	% OF NAV
AAA	6.8
AA	51.9

\* Notional values represent 11.3% of NAV for swaps.

\*\* Credit ratings and rating categories are based on ratings issued by a designated rating organization. This table includes only bonds directly held by the ETF.

The effective allocation shows the portfolio, regional or sector exposure of the ETF calculated by combining its direct and indirect investments.

## TOP 25 POSITIONS

Issuer/Underlying Fund	% OF NAV
Mackenzie US Investment Grade Corporate Bond Index ETF (CAD-Hedged)	28.5
Cash and short-term investments	6.0
United States Treasury 3.25% 06-30-2029	4.7
United States Treasury 1.75% 12-31-2024	3.7
United States Treasury 0.38% 12-31-2025	3.5
Canada Pension Plan Investment Board 3.25% 06-15-2027	3.5
United States Treasury 1.75% 08-15-2041	3.4
United States Treasury 1.50% 01-31-2027	2.8
United States Treasury 0.50% 08-31-2027	2.4
United States Treasury 1.25% 05-15-2050	2.2
United States Treasury 2.75% 08-15-2032	2.2
Government of America 1.50% 09-30-2026	1.8
United States Treasury 0.25% 08-31-2025	1.8
United States Treasury 2.38% 05-15-2029	1.8
United States Treasury 1.88% 02-15-2032	1.8
United States Treasury 1.13% 01-15-2025	1.7
United States Treasury 2.50% 02-15-2046	1.6
United States Treasury 0.13% 09-15-2023	1.3
Temasek Holdings Pte Ltd. 3.38% 07-23-2042	1.1
United States Treasury 0.75% 04-30-2026	1.0
Islamic Development Bank 2.84% 04-25-2024	0.9
United States Treasury 2.88% 05-15-2032	0.9
United States Treasury 1.38% 08-15-2050	0.8
Ginnie Mae 4.00% 09-20-2052	0.8
United States Treasury 2.75% 08-15-2047	0.5

Top long positions as a percentage of total net asset value

80.7

The ETF held no direct short positions at the end of the period.

For the prospectus and other information about the underlying fund(s) held in the portfolio, visit [www.mackenzieinvestments.com](http://www.mackenzieinvestments.com) or [www.sedar.com](http://www.sedar.com).

The investments and percentages may have changed since March 31, 2023, due to the ongoing portfolio transactions of the ETF.

# MACKENZIE U.S. AGGREGATE BOND INDEX ETF (CAD-HEDGED)

ANNUAL MANAGEMENT REPORT OF FUND PERFORMANCE | For the Year Ended March 31, 2023

## Financial Highlights

The following tables show selected key financial information about the ETF and are intended to help you understand the ETF's financial performance for each of the fiscal periods presented below. In the period when the ETF was established, "period" represents the period from inception to the end of that fiscal period. The inception date can be found under *Past Performance*.

### THE ETF'S NET ASSETS PER SECURITY (\$)<sup>1</sup>

CAD Units (Ticker: QUB)	Mar. 31 2023	Mar. 31 2022	Mar. 31 2021
<b>Net assets, beginning of period</b>	<b>90.02</b>	<b>96.20</b>	<b>100.00</b>
<b>Increase (decrease) from operations:</b>			
Total revenue	2.64	2.32	1.20
Total expenses	(0.06)	(0.12)	(0.16)
Realized gains (losses) for the period	(3.13)	(3.74)	2.87
Unrealized gains (losses) for the period	0.19	(0.86)	(6.94)
<b>Total increase (decrease) from operations<sup>2</sup></b>	<b>(0.36)</b>	<b>(2.40)</b>	<b>(3.03)</b>
<b>Distributions:</b>			
From net investment income (excluding Canadian dividends)	(1.70)	(2.13)	(0.75)
From Canadian dividends	–	–	–
From capital gains	–	–	(2.05)
Return of capital	–	(0.09)	–
<b>Total annual distributions<sup>3</sup></b>	<b>(1.70)</b>	<b>(2.22)</b>	<b>(2.80)</b>
<b>Net assets, end of period</b>	<b>83.15</b>	<b>90.02</b>	<b>96.20</b>

- (1) These calculations are prescribed by securities regulations and are not intended to be a reconciliation between opening and closing net assets per unit. This information is derived from the ETF's audited annual financial statements. The net assets per unit presented in the financial statements may differ from the net asset value per unit calculated for ETF pricing purposes. An explanation of these differences, if any, can be found in the *Notes to Financial Statements*.
- (2) Net assets and distributions are based on the actual number of units outstanding at the relevant time. The increase/decrease from operations is based on the weighted average number of units outstanding over the fiscal period.
- (3) Distributions were paid in cash/reinvested in additional units of the ETF, or both.

## Index Provider Disclaimer

The Mackenzie U.S. Aggregate Bond Index ETF (CAD-Hedged) is not sponsored, promoted, sold or supported in any other manner by Solactive AG nor does Solactive AG offer any express or implicit guarantee or assurance either with regard to the results of using Solactive US Aggregate Bond Hedged to CAD Index (the "Underlying Index"), including its trademark and/or prices, at any time or in any other respect. The Underlying Index is calculated and published by Solactive AG. Solactive AG uses its best efforts to ensure that the Underlying Index is calculated correctly. Irrespective of its obligations toward Mackenzie, Solactive AG has no obligation to point out errors in the Underlying Index to third parties including but not limited to investors and/or financial intermediaries of the Mackenzie U.S. Aggregate Bond Index ETF (CAD-Hedged). Neither publication of the Underlying Index by Solactive AG nor the licensing of the Underlying Index or Underlying Index trademark for the purpose of use in connection with the Mackenzie U.S. Aggregate Bond Index ETF (CAD-Hedged) constitutes a recommendation by Solactive AG to invest capital in Mackenzie U.S. Aggregate Bond Index ETF (CAD-Hedged) nor does it in any way represent an assurance or opinion of Solactive AG with regard to any investment in Mackenzie U.S. Aggregate Bond Index ETF (CAD-Hedged).

## RATIOS AND SUPPLEMENTAL DATA

CAD Units (Ticker: QUB)	Mar. 31 2023	Mar. 31 2022	Mar. 31 2021
Total net asset value (\$000) <sup>1</sup>	28,270	9,002	13,467
Units outstanding (000) <sup>1</sup>	340	100	140
Management expense ratio (%) <sup>2</sup>	0.18	0.18	0.24
Management expense ratio before waivers or absorptions (%) <sup>2</sup>	0.18	0.18	0.24
Trading expense ratio (%) <sup>3</sup>	–	0.01	–
Trading expense ratio before reimbursements (%) <sup>3</sup>	–	0.01	–
Portfolio turnover rate (%) <sup>4</sup>	72.16	32.02	n/a
Net asset value per unit (\$)	83.15	90.02	96.2
Closing market price (\$) <sup>5</sup>	83.16	89.83	95.92

- (1) This information is provided as at the end of the fiscal period shown.
- (2) Management expense ratio ("MER") is based on total expenses, excluding commissions and other portfolio transaction costs, income taxes and withholding taxes, for the stated period and is expressed as an annualized percentage of daily average net assets during the period, except as noted. If the ETF was established in the period, the MER is annualized from the date of inception to the end of the period. Where the ETF directly invests in securities of another fund (including other ETFs), the MER presented for the ETF includes the portion of MERs of the other fund(s) attributable to this investment. Any income distributions received from ETFs managed by the Manager, with the intention of offsetting fees paid within those ETFs but which are not considered to be duplicative fees under regulatory requirements, are treated as waived expenses for MER purposes. The Manager may waive or absorb operating expenses at its discretion and stop waiving or absorbing such expenses at any time without notice.
- (3) The trading expense ratio ("TER") represents total commissions and other portfolio transaction costs expressed as an annualized percentage of daily average net assets during the period. Where the ETF invests in securities of another fund (including other ETFs), the TER presented for the ETF includes the portion of TERs of the other fund(s) attributable to this investment. The Manager may reimburse the ETF for certain brokerage commissions and other transaction costs (including those payable to the custodian or its agents). The Manager may make these reimbursements at its discretion and stop these reimbursements at any time without notice.
- (4) The ETF's portfolio turnover rate indicates how actively the ETF's portfolio advisor manages its portfolio investments. A portfolio turnover rate of 100% is equivalent to the ETF buying and selling all of the securities in its portfolio once in the course of the period. The higher the ETF's portfolio turnover rate in a period, the greater the trading costs payable by the ETF in the period, and the greater the chance of an investor receiving taxable capital gains in the year. There is not necessarily a relationship between a high turnover rate and the performance of the ETF. The portfolio turnover rate is not provided when the ETF is less than one year old.
- (5) Closing market price, or the midpoint of the bid and ask prices in the absence of a closing market price, on the last trading day of the period as reported on the Toronto Stock Exchange.