

January 31, 2020, as amended through June 5, 2020

SUMMARY PROSPECTUS

SIMT Core Fixed Income Fund (SCFYX) Class Y

Before you invest, you may want to review the Fund's prospectus, which contains information about the Fund and its risks. You can find the Fund's prospectus and other information about the Fund, including the Fund's Statement of Additional Information, online at seic.com/fundprospectuses. You can also get this information at no cost by dialing 1-800-DIAL-SEI. The Fund's prospectus and Statement of Additional Information, dated January 31, 2020, as may be supplemented from time to time, are incorporated by reference into this Summary Prospectus.

Beginning on January 1, 2021, as permitted by regulations adopted by the Securities and Exchange Commission, paper copies of the Fund's shareholder reports will no longer be sent by mail, unless you specifically request paper copies of the reports from the Fund or from your financial intermediary, such as a broker-dealer or bank.

Instead, the reports will be made available on a website, and you will be notified by mail each time a report is posted and provided with a website link to access the report.

If you already elected to receive shareholder reports electronically, you will not be affected by this change and you need not take any action. You may elect to receive shareholder reports and other communications from the Fund electronically by contacting your financial intermediary.

You may elect to receive all future reports in paper free of charge. If you invest through a financial intermediary, you can follow the instructions included with this disclosure or contact your financial intermediary to inform it that you wish to continue receiving paper copies of your shareholder reports. If you invest directly with the Fund, you can inform the Fund that you wish to continue receiving paper copies of your shareholder reports by calling 1-800-DIAL-SEI. Your election to receive reports in paper will apply to all funds held with the SEI Funds or your financial intermediary.

Investment Goal

Current income consistent with the preservation of capital.

Fees and Expenses

This table describes the fees and expenses that you may pay if you buy and hold Fund shares.

ANNUAL FUND OPERATING EXPENSES

(expenses that you pay each year as a percentage of the value of your investment)	Class Y Shares
Management Fees	0.28%
Distribution (12b-1) Fees	None
Other Expenses	0.20%
Total Annual Fund Operating Expenses	0.48%
Fee Waivers and Expense Reimbursements	(0.07)%
Total Annual Fund Operating Expenses Less Fee Waivers and Expense Reimbursements	0.41%*

* Effective August 10, 2018, the Fund's adviser, the Fund's administrator and/or the Fund's distributor have contractually agreed to waive fees and/or reimburse expenses in order to keep total ordinary operating expenses (exclusive of interest from borrowing, brokerage commissions, taxes, Trustee fees, acquired fund fees and expenses and other extraordinary expenses not incurred in the ordinary course of the Fund's business) from exceeding 0.41%. This fee waiver and reimbursement agreement shall remain in effect until January 31, 2021. The agreement may be amended or terminated only with the consent of the Board of Trustees.

EXAMPLE

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Fund's operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Core Fixed Income Fund — Class Y Shares	\$42	\$147	\$262	\$597

PORTFOLIO TURNOVER

The Fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when Fund shares are held in a taxable account. These costs, which are not reflected in annual Fund operating expenses or in the Example, affect the Fund's performance. During the most recent fiscal year, the Fund's portfolio turnover rate was 387% of the average value of its portfolio.

Principal Investment Strategies

Under normal circumstances, the Core Fixed Income Fund will invest at least 80% of its net assets (plus the amount of any borrowings for investment purposes) in fixed income securities. The Fund will invest primarily in investment and non-investment grade (junk bond) U.S. and foreign corporate and government fixed income securities, including emerging market, asset-backed securities, mortgage dollar rolls, mortgage-backed securities and securities issued or guaranteed by the U.S. Government and its agencies and instrumentalities. The Fund may invest in securities denominated in either U.S. dollars or foreign currency. Due to its investment strategy, the Fund may buy and sell securities and other instruments frequently.

The Fund uses a multi-manager approach, relying upon a number of sub-advisers (each, a Sub-Adviser and collectively, the Sub-Advisers) with differing investment philosophies to manage portions of the Fund's portfolio under the general supervision of SEI Investments Management Corporation, the Fund's adviser (SIMC or the Adviser). Sub-Advisers are selected for their expertise in managing various kinds of fixed income securities, and each Sub-Adviser makes investment decisions based on an analysis of yield trends, credit ratings and other factors in accordance with its particular discipline.

The Fund may also invest in futures contracts, forward contracts, options and swaps for speculative or hedging purposes. Futures contracts, forward contracts, options and swaps may be used to synthetically obtain exposure to securities or baskets of securities and to manage the Fund's interest rate duration and yield curve exposure. These derivatives may also

be used to mitigate the Fund's overall level of risk and/or the Fund's risk to particular types of securities, currencies or market segments. Interest rate swaps may further be used to manage the Fund's yield spread sensitivity. When the Fund seeks to take an active long or short position with respect to the likelihood of an event of default of a security or basket of securities, the Fund may use credit default swaps. The Fund may buy credit default swaps in an attempt to manage credit risk where the Fund has credit exposure to an issuer, and the Fund may sell credit default swaps to more efficiently gain credit exposure to a security or basket of securities.

The Sub-Advisers may also engage in currency transactions using futures and foreign currency forward contracts either to seek to hedge the Fund's currency exposure or to enhance the Fund's returns. The Fund may take long and short positions in foreign currencies in excess of the value of the Fund's assets denominated in a particular currency or when the Fund does not own assets denominated in that currency. The Fund will invest primarily in investment grade securities (those rated AAA, AA, A and BBB-). However, the Fund may also invest in non-rated securities or securities rated below investment grade (BB+, B and CCC).

The Fund may also invest a portion of its assets in bank loans, which are, generally, non-investment grade (junk bond) floating rate instruments. The Fund may invest in bank loans in the form of participations in the loans or assignments of all or a portion of the loans from third parties.

While each Sub-Adviser chooses securities of different types and maturities, the Fund, in the aggregate, generally will have a dollar-weighted average duration that is consistent with that of the broad U.S. fixed income market, as represented by the Bloomberg Barclays U.S. Aggregate Bond Index. Duration is a measure of the expected life of a fixed income security that is used to determine the sensitivity of a security's price to changes in interest rates. For example, if a fixed income security has a five-year duration, it will decrease in value by approximately 5% if interest rates rise 1% and increase in value by approximately 5% if interest rates fall 1%. Fixed income instruments with higher duration typically have higher risk and higher volatility.

The dollar-weighted average duration of the Bloomberg Barclays U.S. Aggregate Bond Index varies significantly over time, but as of December 31, 2019 it was 5.87 years.

Principal Risks

Market Risk — The prices of the Fund's fixed income securities respond to economic developments, particularly interest rate changes, as well as to perceptions about the creditworthiness of individual issuers, including governments and their agencies. Generally, the Fund's fixed income securities will decrease in value if interest rates rise and vice versa. In a low interest rate environment, risks associated with rising rates are heightened. Declines in dealer market-making capacity as a result of structural or regulatory changes could decrease liquidity and/or increase volatility in the fixed income markets. In the case of foreign securities, price fluctuations will reflect international economic and political events, as well as changes in currency valuations relative to the U.S. dollar. In response to these events, the Fund's value may fluctuate and/or the Fund may experience increased redemptions from shareholders, which may impact the Fund's liquidity or force the Fund to sell securities into a declining or illiquid market.

Investment Style Risk — The risk that U.S. fixed income securities may underperform other segments of the fixed income markets or the fixed income markets as a whole.

Interest Rate Risk — The risk that a rise in interest rates will cause a fall in the value of fixed income securities, including U.S. Government securities, in which the Fund invests. Although U.S. Government securities are considered to be among the safest investments, they are not guaranteed against price movements due to changing interest rates. A low interest rate environment may present greater interest rate risk because there may be a greater likelihood of rates increasing and rates may increase more rapidly.

Below Investment Grade Securities (Junk Bonds) Risk — Fixed income securities rated below investment grade (junk bonds) involve greater risks of default or downgrade and are generally more volatile than investment grade securities because the prospect for repayment of principal and interest of many of these securities is speculative. Because these securities typically offer a higher rate of return to compensate investors for these risks, they are sometimes referred to as "high yield bonds," but there is no guarantee that an investment in these securities will result in a high rate of return.

Corporate Fixed Income Securities Risk — Corporate fixed income securities respond to economic developments, especially changes in interest rates, as well as perceptions of the creditworthiness and business prospects of individual issuers.

U.S. Government Securities Risk — Although U.S. Government securities are considered to be among the safest investments, they are not guaranteed against price movements due to changing interest rates. Obligations issued by some

U.S. Government agencies are backed by the U.S. Treasury, while others are backed solely by the ability of the agency to borrow from the U.S. Treasury or by the agency's own resources.

Foreign Investment/Emerging Markets Risk — The risk that non-U.S. securities may be subject to additional risks due to, among other things, political, social and economic developments abroad, currency movements and different legal, regulatory and tax environments. These additional risks may be heightened with respect to emerging market countries because political turmoil and rapid changes in economic conditions are more likely to occur in these countries.

Asset-Backed Securities Risk — Payment of principal and interest on asset-backed securities is dependent largely on the cash flows generated by the assets backing the securities. Securitization trusts generally do not have any assets or sources of funds other than the receivables and related property they own, and asset-backed securities are generally not insured or guaranteed by the related sponsor or any other entity. Asset-backed securities may be more illiquid than more conventional types of fixed income securities that the Fund may acquire.

Mortgage-Backed Securities Risk — Mortgage-backed securities are affected significantly by the rate of prepayments and modifications of the mortgage loans backing those securities, as well as by other factors such as borrower defaults, delinquencies, realized or liquidation losses and other shortfalls. Mortgage-backed securities are particularly sensitive to prepayment risk, which is described below, given that the term to maturity for mortgage loans is generally substantially longer than the expected lives of those securities; however, the timing and amount of prepayments cannot be accurately predicted. The timing of changes in the rate of prepayments of the mortgage loans may significantly affect the Fund's actual yield to maturity on any mortgage-backed securities, even if the average rate of principal payments is consistent with the Fund's expectation. Along with prepayment risk, mortgage-backed securities are significantly affected by interest rate risk, which is described above. In a low interest rate environment, mortgage loan prepayments would generally be expected to increase due to factors such as refinancings and loan modifications at lower interest rates. In contrast, if prevailing interest rates rise, prepayments of mortgage loans would generally be expected to decline and therefore extend the weighted average lives of mortgage-backed securities held or acquired by the Fund.

Mortgage Dollar Rolls Risk — Mortgage dollar rolls are transactions in which the Fund sells securities (usually mortgage-backed securities) and simultaneously contracts to repurchase substantially similar, but not identical, securities on a specified future date. If the broker-dealer to whom the Fund sells the security becomes insolvent, the Fund's right to repurchase the security may be restricted. Other risks involved in entering into mortgage dollar rolls include the risk that the value of the security may change adversely over the term of the mortgage dollar roll and that the security the Fund is required to repurchase may be worth less than the security that the Fund originally held.

Bank Loans Risk — With respect to bank loans, the Fund will assume the credit risk of both the borrower and the lender that is selling the participation. The Fund may also have difficulty disposing of bank loans because, in certain cases, the market for such instruments is not highly liquid.

Credit Risk — The risk that the issuer of a security or the counterparty to a contract will default or otherwise become unable to honor a financial obligation.

Duration Risk — The longer-term securities in which the Fund may invest tend to be more volatile than shorter-term securities. A portfolio with a longer average portfolio duration is more sensitive to changes in interest rates than a portfolio with a shorter average portfolio duration.

Currency Risk — Due to its active positions in currencies, the Fund will be subject to currency risk. Currency risk is the risk that foreign currencies will decline in value relative to the U.S. dollar or, in the case of hedging positions, that the U.S. dollar will decline in value relative to the currency hedged. In either event, the dollar value of an investment in the Fund would be adversely affected. Currency exchange rates may fluctuate in response to, among other things, changes in interest rates, intervention (or failure to intervene) by U.S. or foreign governments, central banks or supranational entities, or by the imposition of currency controls or other political developments in U.S. or abroad.

Derivatives Risk — The Fund's use of futures contracts, forward contracts, options and swaps is subject to market risk, leverage risk, correlation risk and liquidity risk. Market risk is described above, and leverage risk and liquidity risk are described below. Many over-the-counter (OTC) derivative instruments will not have liquidity beyond the counterparty to the instrument. Market risk is the risk that the market value of an investment may move up and down, sometimes rapidly and unpredictably. Correlation risk is the risk that changes in the value of the derivative may not correlate perfectly with the underlying asset, rate or index. The Fund's use of forward contracts and swap agreements is also subject to credit risk and valuation risk. Credit risk is described above. Valuation risk is the risk that the derivative may be difficult to value and/or valued incorrectly. Each of these risks could cause the Fund to lose more than the principal amount invested in a derivative

instrument. Some derivatives have the potential for unlimited loss, regardless of the size of the Fund's initial investment. The other parties to certain derivative contracts present the same types of credit risk as issuers of fixed income securities. The Fund's use of derivatives may also increase the amount of taxes payable by shareholders. Both U.S. and non-U.S. regulators are in the process of adopting and implementing regulations governing derivatives markets, the ultimate impact of which remains unclear.

Leverage Risk — The Fund's use of derivatives may result in the Fund's total investment exposure substantially exceeding the value of its portfolio securities and the Fund's investment returns depending substantially on the performance of securities that the Fund may not directly own. The use of leverage can amplify the effects of market volatility on the Fund's share price and may also cause the Fund to liquidate portfolio positions when it would not be advantageous to do so in order to satisfy its obligations. The Fund's use of leverage may result in a heightened risk of investment loss.

Liquidity Risk — The risk that certain securities may be difficult or impossible to sell at the time and the price that the Fund would like. The Fund may have to lower the price of the security, sell other securities instead or forego an investment opportunity, any of which could have a negative effect on Fund management or performance.

Extension Risk — The risk that rising interest rates may extend the duration of a fixed income security, typically reducing the security's value.

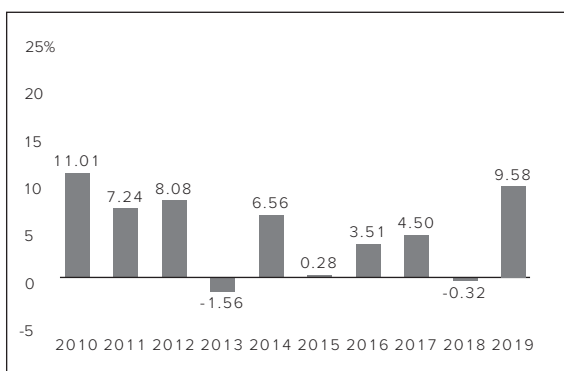
Prepayment Risk — The risk that, in a declining interest rate environment, fixed income securities with stated interest rates may have the principal paid earlier than expected, requiring the Fund to invest the proceeds at generally lower interest rates.

Portfolio Turnover Risk — Due to its investment strategy, the Fund may buy and sell securities frequently. This may result in higher transaction costs and additional capital gains tax liabilities, which may affect the Fund's performance.

Investing in the Fund involves risk, and there is no guarantee that the Fund will achieve its investment goal. You could lose money on your investment in the Fund, just as you could with other investments. An investment in the Fund is not a deposit of a bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.

Performance Information

The bar chart and the performance table below provide some indication of the risks of investing in the Class Y Shares of the Fund by showing changes in the Fund's performance from year to year for the past ten calendar years and by showing how the Fund's average annual returns for 1, 5 and 10 years, and since the Fund's inception, compare with those of a broad measure of market performance. The Fund's past performance (before and after taxes) is not necessarily an indication of how the Fund will perform in the future. For current performance information, please call 1-800-DIAL-SEI.



Best Quarter: 4.03% (06/30/10)

Worst Quarter: -2.62% (12/31/16)

The Fund's Class Y Shares commenced operations on June 30, 2015. For full calendar years through December 31, 2015, the performance of the Fund's Class F Shares is shown. The Fund's Class F Shares are offered in a separate prospectus. Because Class Y Shares are invested in the same portfolio of securities, returns for Class Y Shares would have been substantially similar to those of Class F Shares, shown here, and would have differed only to the extent that Class Y Shares have lower total annual fund operating expenses than Class F Shares.

Average Annual Total Returns (for the periods ended December 31, 2019)

After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Your actual after-tax returns will depend on your tax situation and may differ from those

shown. After-tax returns shown are not relevant to investors who hold their Fund shares through tax-deferred arrangements, such as 401(k) plans or individual retirement accounts.

Core Fixed Income Fund*	1 Year	5 Years	10 Years	Since Inception (5/1/1987)
Return Before Taxes	9.58%	3.50%	4.83%	6.11%
Return After Taxes on Distributions	7.81%	1.96%	3.41%	4.04%
Return After Taxes on Distributions and Sale of Fund Shares	5.64%	1.98%	3.15%	3.96%
Bloomberg Barclays U.S. Aggregate Bond Index Return (reflects no deduction for fees, expenses or taxes)	8.72%	3.05%	3.75%	6.22%

* The Fund's Class Y Shares commenced operations on June 30, 2015. For periods prior to June 30, 2015, the performance of the Fund's Class F Shares has been used. Returns for Class Y Shares would have been substantially similar to those of Class F Shares and would have differed only to the extent that Class Y Shares have lower total annual fund operating expenses than Class F Shares.

Management

Investment Adviser and Portfolio Manager. SEI Investments Management Corporation

Portfolio Manager	Experience with the Fund	Title with Adviser
Richard A. Bamford	Since 2014	Portfolio Manager

Sub-Advisers and Portfolio Managers.

Sub-Adviser	Portfolio Manager	Experience with the Fund	Title with Sub-Adviser
Jennison Associates LLC	Thomas G. Wolfe	Since 2010	Head of Fixed Income, Managing Director and Fixed Income Portfolio Manager
	Richard A. Klemmer, CFA	Since 2010	Managing Director and Fixed Income Portfolio Manager
	Miriam Zussman	Since 2013	Managing Director and Fixed Income Portfolio Manager
	Itai Lourie, CFA	Since 2010	Managing Director and Fixed Income Portfolio Manager
	Eric G. Staudt, CFA	Since 2012	Managing Director and Fixed Income Portfolio Manager
	Samuel B. Kaplan, CFA	Since 2016	Managing Director and Fixed Income Portfolio Manager
	James Gaul, CFA	Since 2016	Managing Director and Fixed Income Portfolio Manager
	Dimitri Rabin, CFA	Since 2019	Managing Director and Fixed Income Portfolio Manager
MetLife Investment Management, LLC	Andrew Kronschnabel, CFA	Since 2018	Portfolio Manager
Metropolitan West Asset Management, LLC	Tad Rivelle	Since 2002	Group Managing Director, Chief Investment Officer — Fixed Income, Generalist Portfolio Manager
	Laird Landmann	Since 2002	President, Generalist Portfolio Manager
	Stephen Kane, CFA	Since 2002	Group Managing Director, Generalist Portfolio Manager
	Bryan Whalen, CFA	Since 2004	Group Managing Director, Generalist Portfolio Manager
Wells Capital Management Incorporated	Tom O'Connor, CFA	Since 2003	Senior Portfolio Manager and Co-Head
	Maulik Bhansali, CFA	Since 2017	Senior Portfolio Manager and Co-Head
	Jarad Vasquez	Since 2017	Senior Portfolio Manager and Co-Head

Sub-Adviser	Portfolio Manager	Experience with the Fund	Title with Sub-Adviser
Western Asset Management Company	S. Kenneth Leech	Since 2014	Chief Investment Officer, Portfolio Manager
	Mark S. Lindbloom	Since 2005	Portfolio Manager
	Julien Scholnick, CFA	Since 2019	Portfolio Manager
	John L. Bellows, Ph.D., CFA	Since 2019	Portfolio Manager/Research Analyst
	Frederick R. Marki, CFA	Since 2019	Portfolio Manager
Western Asset Management Company Limited	S. Kenneth Leech	Since 2014	Chief Investment Officer, Portfolio Manager

Purchase and Sale of Fund Shares

The minimum initial investment for Class Y Shares is \$100,000 with minimum subsequent investments of \$1,000. Such minimums may be waived at the discretion of SIMC. Notwithstanding the foregoing, a higher minimum investment amount may be required for certain types of investors to be eligible to invest in Class Y Shares. You may purchase and redeem shares of the Fund on any day that the New York Stock Exchange (NYSE) is open for business (a Business Day). You may sell your Fund shares by contacting your authorized financial institution or intermediary directly. Authorized financial institutions and intermediaries may redeem Fund shares on behalf of their clients by contacting the Fund's transfer agent (the Transfer Agent) or the Fund's authorized agent, using certain SEI Investments Company (SEI) or third party systems or by calling 1-800-858-7233, as applicable.

Tax Information

The distributions made by the Fund generally are taxable and will be taxed as ordinary income or capital gains. If you are investing through a tax-deferred arrangement, such as a 401(k) plan or individual retirement account, you will generally not be subject to federal taxation on Fund distributions until you begin receiving distributions from your tax-deferred arrangement. You should consult your tax advisor regarding the rules governing your tax-deferred arrangement.

Payments to Broker-Dealers and Other Financial Intermediaries

If you purchase Fund shares through a broker-dealer or other financial intermediary (such as a bank), the Fund and its related companies may pay the intermediary for the sale of Fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the Fund over another investment. Ask your salesperson or visit your financial intermediary's website for more information.