# **Redwood AlphaFactor Tactical Intl I (USD)**

Release date 01-31-2025

nourroo	ur	чр			,, ,,				. (0		,			ingstar N FR USD	∕lod Tgt		ningstar Moo TR USD	d Tgt US Fund Tac Allocation	tical
Performance 01-3	1 2025																100k		
Quarterly Returns	1-2025 1st Qtr	2nd Qtr	3rd Ωtr	4th Qtr	Total %													Growth of \$10,000	F
2023	5.93	-0.97	-0.42	4.36	9.02												60k 40k	Redwood Alpha Tactical Intl I	Factor
2024	5.53	-1.63	5.33	-6.68	2.03												4UK	13,441	
2025	_	_		_	4.43													<ul> <li>Category Avera 13,884</li> </ul>	ge
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept												+	<ul> <li>Standard Index</li> </ul>	
Monthly	7.25	2.40	6.25	_	4.18												10k	15,266	
Q 12-31-2024	2.03	-0.54	4.51		3.61														
+/- Std Index	-3.94	-1.25	0.29	_	_		0045		0047								4k		
+/- Cat Index	-3.94	-1.25	0.29			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	01-25	Investment Style	
% Rank Cat	82	66	41															Equity/Stocks %	
No. in Cat	257	237	215	_				—		0	40	0	33	45	42	66	—		
		Si	ubsidized	Unsi	ubsidized	_	—	-	15.20	14.70	15.09	16.20	15.70	13.65	13.93	13.09	13.67	NAV/Price	
7-day Yield					_	_	_			-2.46	4.58	14.51 1.69	10.66	-11.56 3.22	9.02	2.03 -6.23	4.43 1.86	Total Return % +/- Standard Index	
30-day SEC Yield																		Performance Quartile	
Performance Disclos The security-level p		ance dai	ta showi	n is net o	f													(within category)	1
asset-based fees.						_	_	_		2.30	-14.44	1.69	0.47	3.22	-4.21	-6.23	1.86	+/- Category Index	
The Overall Mornings derived from a weight		•									_					93	—	% Rank Cat	
(if applicable) Morning		•	: unee-, i	ive-, anu	TU-year	_	_	-	—	-	-	-	-	-	-	246	262	No. of Funds in Cat	
The performance data						Portfol	io Analy	<b>/sis</b> 10-3	31-2024										
does not guarantee fu principal value of an i						Asset Al	location	%		Net %	Long %	Short %	0 .	re Chg		Holdings :		See d. De service	Net Assets
shares, when sold or i	redeeme	ed, may be	e worth n	nore or les	ss than	Cash	l.o			19.70	19.70	0.00	0/-2		Amount	49% Turno	tocks , 6 Total Fi over Ratio	ixeu-income,	%
their original cost. Current performance i	mav he l	ower or h	inher tha	n return o	lata	US Stoo Non-US				0.00 65.86	0.00 65.86	0.00 0.00	-M-		3 mil	Amer M	ovil Sab		16.57
quoted herein. For per	, rformand	ce data cu	irrent to t								0.00	0.00						0	12.91
month-end, please ca www.redwoodmutual			r visit			Other/Not Clsfd 14.44 14.44 0.00						<ul> <li>951,293 Redwood Real Esta</li> <li>593,911 Evergreen Marine</li> </ul>					9.96 1.59		
Fees and Expen		<i>л</i> п.				Total			1	00.00	100.00	0.00	)			•	Computer In		1.42
Asset-Based Fees						Equity S	-	Por	tfolio Stat	tistics		Rel Re dex Ca					Computer Inc		1.26
Annual Fee %					0.00	Value Ble	nd Growth	<u>.</u>	Ratio TT		10.6 0	.53 0.49	9				ident Enterp		1.13
Fund Expenses									Ratio TT Ratio TT			.40 0.33 .49 0.37				• •	re Exchange	Ltd	1.06
Management Fees	%				0.90			Ger	Avg Mk			.45 0.5	1 💥			Eec Ab			0.96
12b1 Expense %					0.25			≦ \$mi					斑		3,849				0.96
Gross Expense R					1.32	Fixed-In	come Stv	le					-				Microelectro roup Co Ltd C	1	0.95 0.89
<b>Risk and Return P</b>	Profile					Ltd M		Avg	Eff Mat	,		_	盘 数	12			d Tractors Tb		0.86
		3 237 fu	3 Yr nds 215	5 Yr 5 funds - 1	10 Yr 1 <i>47 funds</i>			_ 0	Eff Dura Wtd Co			_	_ ×	41		Recv Kcl			0.86
Morningstar Rating	J™	2	2★	3★	—			_ 0	Wtd Pri				- +	6	1,725	Shell PL	С		0.86
Morningstar Risk			vg	Avg	_			Law					Sec	tor Weig	ntinas			Stocks %	Rel Std Index
Morningstar Return	1	А	vg	Avg									- 1+	Cyclic	•			36.8	0.95
0			3 Yr	5 Yr	10 Yr	Credit Q AAA	iality Bre	akdown	_			Bond %		Basic N	<b>N</b> aterial	S		6.8	1.59
Standard Deviation Mean	1	12.	.82 <sup>- 2</sup> .40	13.15 6.25		AA						_	A	Consur	'			18.5	1.80
Sharpe Ratio			.09	0.23	_	А							-	Financi Real Es		ces		11.5 0.0	0.64
						BBB						_							0.00
MPT Statistics		Standa	ard Index		Fit Index gstar Gbl	BB B						_		Sensiti		n Service	10	<b>54.2</b> 11.7	<b>1.28</b> 2.04
Portfolio is Net of Fees					TME NR	Below E						·····		Energy	inicatio	1 001 1100	.0	11.8	2.70
Alpha			-1.17		USD -2.68	NR						_		Industr	als			16.7	1.34
Beta			0.79		0.70	Regiona	Fxnosur	e	ç	Stocks %	B	el Std Inde	- 🖪	Techno	logy			14.0	0.70
R-Squared			58.91		74.56	America	•	-		35.2		0.57	_	Defens				9.0	0.48
12-Month Yield	_					Greater				25.0		1.42	, E			ensive		5.6	0.99
Potential Cap Gains	s Exp			-'	14.97%	Greater	Asia			39.8		1.95		Health Utilitie	care			3.4 0.0	0.34 0.00
														ountie	,			0.0	0.00
Operations Family:	R,	edwood	Invertm	ent		Base Cu	Irrepov.		11	SD			Pur	chase C	notrain	te.	А		
	N	lanagem				Ticker:	птепсу.			WIX				ept:	nouall	ι		02-2017	
Manager:		lultiple				ISIN:				S902140	17097		Тур	•			MF		
Tenure: Objective:		3 Years rowth				Minimu	m Initial	Purcha	se: \$2	2,500			Tot	al Asset	S:		\$18	87.60 mil	
	5																		

Standard Index

**Category Index** 

©2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar. [2] may nuclude, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar. [3] may not be cogied or redistributed. [4] do not constitute investment advice on Gfred by Morningstar. [5] are provided solely for information purposes and therefore are not an offer to by yor sell a security, and [6] are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. (L), registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accurate by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



Morningstar Cat

M RNINGSTAR®

# **Standardized and Tax Adjusted Returns Disclosure Statement**

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end please visit http://advisor.morningstar.com/familyinfo.asp.

Standardized Returns assume reinvestment of dividends and capital gains. They depict performance without adjusting for the effects of taxation, but are adjusted to reflect sales charges and ongoing fund expenses.

If adjusted for taxation, the performance quoted would be significantly reduced. For variable annuities, additional expenses will be taken into account, including M and E risk charges, fund-level expenses such as management fees and operating fees, contract-level administration fees, and charges such as surrender, contract, and sales charges. The maximum redemption fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase.

After-tax returns are calculated using the highest individual federal marginal income tax rates, and do not reflect the impact of state and local taxes. Actual aftertax returns depend on the investor's tax situation and may differ from those shown. The after-tax returns shown are not relevant to investors who hold their fund shares through tax-deferred arrangements such as 401(k) plans or an IRA. After-tax returns exclude the effects of either the alternative minimum tax or phase-out of certain tax credits. Any taxes due are as of the time the distributions are made, and the taxable amount and tax character of each distribution are as specified by the fund on the dividend declaration date. Due to foreign tax credits or realized capital losses, after-tax returns may be greater than before-tax returns. After-tax returns for exchange-traded funds are based on net asset value.

## **Money Market Fund Disclosures**

If money market fund(s) are included in the Standardized Returns table below, each money market fund's name will be followed by a superscripted letter that links it to the applicable disclosure below:

# Institutional Money Market Funds (designated by a "S"):

You could lose money by investing in the Fund. Because the share price of the Fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The Fund may impose a fee upon sale of your shares. The Fund generally must impose a fee when net sales of Fund shares exceed certain levels. An investment in the Fund is not a bank account and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor is not required to reimburse the Fund for losses, and you should not expect that the sponsor will provide financial support to the Fund at any time, including during periods of market stress.

# Government Money Market Funds that have chosen to rely on the ability to impose liquidity fees and suspend redemptions (designated by a "L") and

#### Retail Money Market Funds (designated by a "L"):

You could lose money by investing in the Fund. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The Fund may impose a fee upon sale of your shares. An investment in the Fund is not a bank account and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor is not required to reimburse the Fund for losses, and you should not expect that the sponsor will provide financial support to the Fund at any time, including during periods of market stress.

# Government Money Market Funds that have chosen not to rely on the ability to impose liquidity fees and suspend redemptions (designated by a "N"):

You could lose money by investing in the Fund. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the Fund is not a bank account and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor is not required to reimburse the Fund for losses, and you should not expect that the sponsor will provide financial support to the Fund at any time, including during periods of market stress.

Annualized returns 12-31-2024												
Standardized Returns (%)	7-day Yield Subsidized L <i>as of date</i>		1Yr	5Yr	10Yr	Since Inception	Inception Date		Max Back Load %	Net Exp Ratio %	Gross Exp Ratio % Rede	Max emption %
Redwood AlphaFactor Tactical Intl I	_	_	2.03	4.51	_	3.61	11-02-2017	NA	NA	1.55 <sup>1</sup>	1.57	NA
Morningstar Gbl xUS Val TME NR USD			6.41	—	—		11-24-2021					
Morningstar Mod Tgt Risk TR USD			8.27	5.37	6.05	_	02-18-2009					
Morningstar US Core Bd TR USD			1.36	-0.36	—	—	05-01-2019					
MSCI EAFE NR USD			3.82	4.73	5.20	—	03-31-1986					
S&P 500 TR USD			25.02	14.53	13.10	—	01-30-1970					

©2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, far a provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law. Morningstar hall not be responsible for any trading decisions, damages or opinions or their use. Dipnions expressed are as of the date written and a subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, (1), S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure sattement. Please see important disclosures at the end of this report.



Annualized returns 12-31-2024												
Standardized Returns (%)	7-day Yield 7-c Subsidized Unsu <i>as of date a</i>		1Yr	5Yr	10Yr	Since Inception	Inception Date	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Ratio %	Max Redemption %
USTREAS T-Bill Auction Ave 3 Mon			5.28	2.63	1.86	—	02-28-1941					
1. Contractual waiver; Expires 03-01-2025	i											
Return after Tax (%)	On Distribution							On Distri	bution and Sal	es of Shares		
	1Yr	5Yr		10Yr	Since Incepti	on Ince	ption Date	1Yr		5Yr	10Yr	Since Inception
Redwood AlphaFactor Tactical Intl I	-1.26	1.54		—	1.3	38 11	-02-2017	1.21	2	2.24	—	1.85

©2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar. [2] may nuclude, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar. [3] may not be cogied or redistributed. [4] do not constitute investment advice on Gfred by Morningstar. [5] are provided solely for information purposes and therefore are not an offer to by yor sell a security, and [6] are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. (L), registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accurate by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.

# **Mutual Fund Detail Report Disclosure Statement - Advisory Portfolio**

The Mutual Fund Detail Report for Advisory Portfolios provides supplemental information about a fund currently underlying, or proposed for, your advisory portfolio. Your financial professional can provide you with information and disclosures about the advisory portfolio and/or other investment options underlying or proposed for the portfolio. The fund's current prospectus or an equivalent statement includes additional information and should be read carefully. In all cases, this disclosure statement should accompany the Mutual Fund Detail Report.

All data presented is based on the most recent information available to Morningstar as of the release date and may or may not be an accurate reflection of current data for securities included in the fund's portfolio. There is no assurance that the data will remain the same.

Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

# **General Disclosures**

These disclosures provide you (the investor) and your financial professional with important information regarding the key terms, criteria, methodology, assumptions, risks and limitations presented in this report.

There are many resources available to assist you and your financial professional with evaluating a particular investment or investment strategy. This report, alone, should not be used to make an investment decision. Investing involves numerous risks, and there is always the potential of losing money. You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Your financial professional may provide you with investment advisory services, brokerage services or both. Those services and fees differ; therefore, it is important for you to understand the differences. Free and simple tools are available to research firms and financial professionals at the SEC's investor education website, Investor.gov/CRS, which also provides educational materials about investment advisers, broker/dealers, and investing. You should carefully read the information provided by your financial professional that more fully describes the services, fees, costs, and conflicts of interest specific to your financial professional and situation.

This report is being presented as "extracted performance" (defined below) of an advisory portfolio. Financial professionals who offer investment advisory services typically include an annual advisory fee (which may be referred to as an "Annual Fee", "Annual Asset-Based Advisory Fee", or "Advisory Fee" in this

report and its disclosures) in net performance calculations.

The report contains information, data, analyses and opinions that (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by you or your financial professional, and (3) may include, or be derived from, information provided by other thirdparties. This report is provided for information purposes only and therefore is not an offer to buy or sell a security, and is not warranted to be correct, complete, or accurate. Morningstar has not reviewed or verified any information input by your financial professional, nor can Morningstar guarantee the completeness or accuracy of this data. Except as otherwise provided by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from the use of this report.

The underlying holdings of the portfolio are not federally or FDIC insured and are not deposits or obligations of, or guaranteed by, any financial institution. Investment in securities involve investment risks including possible loss of principal and fluctuation in value.

# **Use of this Report**

Your financial professional is responsible for complying with various regulations and Morningstar's terms of use when using this report and other information or data provided by Morningstar.

While your financial professional may use this report to provide information on, or as a solicitation for, a security, investment or investment-related service, Morningstar, Inc. is not itself a FINRA-member firm or a registered investment adviser in any jurisdiction. Nothing in this report should be considered a solicitation by Morningstar, Inc. to buy or sell a security, investment or investment-related service to any person in any jurisdiction.

You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

# **Investment Performance Disclosures**

It is important that you understand the risks and limitations of using investment performance returns in making investment decisions. The performance data given represents past performance and should not be considered indicative of future results. Furthermore, fees, expenses, and other costs, including any applicable trading commissions, short-term fees, or taxes, negatively impact investment performance return. The purpose of including such fees and expenses is to illustrate the effect they have on investment returns for the time periods shown. For additional information, please refer to the Fee Schedule (if applicable) and related disclosures contained in this report and those provided by your financial professional.

# **Gross and Net Performance Returns and Fee Types**

Gross performance is calculated before the deduction of all fees and expenses an investor paid in connection with advisory fees, brokerage commissions or other expenses. If included, these fees would reduce the gross performance shown. A "net" return is calculated over the same time period, using the same type of return and calculation methodology as the "gross" return. The impact of fees and expenses paid in connection with your portfolio's advisory services will be reflected in the "net" return calculation. The purpose of showing net performance is to demonstrate the impact of fees and expenses on performance returns.

For example, if the one-year investment performance return before any fees (referred to as true gross return) was 10% and the investment was assessed an annual advisory fee of 1.50% that was deducted monthly, the fee would reduce the one-year performance to approximately 8.36%. Any taxes, expenses, costs and/or other fees not included would decrease the performance further. You

C2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, [2] may notude, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, [3] may not be copied or redistributed. (4) do not constitute investment advice offered by Morningstar, [5] are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law. Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or ophinions or their use. Ophinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, lice. including, but not limited to, Morningstar Research Services LLC, registred with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



M RNINGSTAR

should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions. Additional information on the types of fees, time periods, types of returns, and calculation methodologies that may be used in this report is further provided below.

Your financial professional can provide you with further information about how net performance was calculated for this report.

You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions.

You should refer to the disclosure document of the separate account manager, model manager, and/or your financial professional, as applicable, for specific information regarding fees and expenses and discuss with your financial professional the methodologies used to calculate the performance returns reflected in this report.

#### **Performance Return Time Periods**

Performance returns are presented for, at least, the one-, five, and ten-year periods, unless the life (or inception) of the investment is shorter, then the life (or inception) period is substituted for the relevant time period or the investment-level performance returns are hypothetical. For additional information on hypothetical performance returns, see disclosures below.

Performance for periods longer than one year is annualized based on the number of years. Performance for periods less than one year is cumulative, based on the number of days between the start and end dates.

#### **Types of Performance Returns**

The following further describes the criteria, methodology, assumptions, risk and limitations used in calculating various types of investment performance returns that may be presented in this report. It may be inappropriate to compare the different types of investment performance returns and you should consult with your financial professional to discuss these differences.

Extracted Performance: Extracted performance means the performance results of one or a subset of investments extracted from a portfolio, this includes performance attribution. The performance results of the total portfolio from which the performance was extracted may be obtained by contacting your financial professional.

<u>Hypothetical Performance Returns:</u> Hypothetical performance is investment performance returns not actually achieved by any portfolio of the financial professional. Hypothetical performance may include, but is not limited to, model performance returns, backtested performance returns, targeted or projected performance returns, and/or pre-inception returns. Additional information on these types of hypothetical performance is further provided in these disclosures.

Hypothetical performance returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. Hypothetical performance returns are based on historic economic and market assumptions and the investment and planning assumptions selected by you or your financial professional. Actual performance returns will vary. If required under applicable regulation, our financial professional has determined that you have the resources and financial expertise to understand the risks and limitations of using such hypothetical performance returns in making investment decisions.

Hypothetical performance returns do not reflect actual trading and may not reflect the impact that material economic and market factors had on the

decision-making process for this portfolio. For example, the ability to withstand losses or adhere to a particular investment strategy in spite of losses are material points which can also adversely affect markets in general or the implementation of any specific investment or investment strategy.

<u>Predecessor Performance:</u> Predecessor performance means investment performance achieved by a group of investments consisting of an account (or a private fund) that was not advised at all times during the period by the investment adviser reporting the performance. Additional information may be obtained by contacting your financial professional.

<u>Pre-Inception Returns:</u> Pre-inception returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. The analysis in this report may be based, in part, on adjusted historical returns for periods prior to the inception of the share class of the fund shown in this report ("Report Share Class"). If pre-inception returns are shown, a performance stream consisting of the Report Share Class and older share class(es) is created. Morningstar adjusts pre-inception returns downward to reflect higher expenses in the Report Share Class, we and does not hypothetically adjust returns upwards for lower expenses. For more information regarding calculation of pre-inception returns please see the Morningstar Extended Performance

# When pre-inception data is presented in the report, the header at the top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics.

While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. For example, the fee structures of a retail share class will vary from that of an institutional share class, as retail shares tend to have higher operating expenses and sales charges. These adjusted historical returns are not actual returns. The underlying investments in the share classes used to calculate the pre-performance string will likely vary from the underlying investments held in the fund after inception. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

#### **Calculation Methodologies**

Investment returns are time-weighted total returns, which measures the performance of the security during an interval (for example, daily or monthly) and then geometrically links the interval performance together to produce a return for a stated period. The returns assume the reinvestment of all income (in the form of dividends or interest payments) and capital gains distributions, and are adjusted to reflect ongoing fund expenses and advisory fees. The ongoing fund expenses include management, administrative, 12b-1 fees, and other costs that are deducted from assets. Returns are not adjusted for sales charges (such as front-end or deferred loads), redemption fees, or to reflect the effects of taxation. If such charges, fees, and the effects of taxation were included, they would reduce the performance quoted.

Investment adviser representatives typically include an annual advisory fee, but such fees are generally not applicable to broker/dealer representatives who charge fees based on specific trades. The advisory fees are referred to as "Asset-Based Fees" and/or "Annual Fee" in this report. The Annual Fee percentage is input by your financial professional, and it is quoted annually and calculated monthly, assuming sale of shares payment at the month end. Inception month assumes full month advisory fees.

The index benchmark does not reflect expenses, advisory fees or sales charges. The category average does not reflect advisory fees or sales charges. The index

C2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar (3) may not be copied or redistributed. (4) do not constitute investment advice offered by Morningstar (are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accurate.



is an unmanaged portfolio of specified securities and cannot be invested in directly. A fund's portfolio may differ significantly from the securities in the index. The index is chosen by Morningstar.

## **Risk and Return Statistics**

Risk measures (such as alpha, beta, R-squared, standard deviation, mean, or Sharpe ratio) are calculated for securities or portfolios that have at least a three-year history. MPT statistics (Alpha, Beta, R-Squared) are derived from investment returns adjusted for advisory fees.

#### **Interactive Analysis Tool Disclosures**

The purpose of an interactive analysis tool ("IA Tool") is to establish a clear understanding between an investor and a financial professional as to the investment goals and policies applicable to the investor's investment portfolio. If this report was generated from the use of an IA Tool, it was prepared by you (the investor) or in direct consultation between you and your financial professional to establish reasonable objectives and guidelines in the investment of the investor's assets, set forth a target portfolio indicative of the risk levels, allocations and return targets that the investor's assets will typically be invested to achieve. The customized investment strategy and target portfolio allocation illustrated for you are approximate based on individual cash requirements, re-balancing tolerance, economic and market conditions. This has been developed from an evaluation of many key factors which impact the investor's specific situation, risk tolerance and investment objectives. This is only a summary of the investment philosophy that the financial professional may seek to pursue on your behalf.

<u>Use of an IA Tool:</u> If this report was generated from the use of an IA Tool, this report includes simulated analyses including certain limitations and assumptions, that present the likelihood of various outcomes of an investment in the offered strategy. IA Tools alone cannot determine which securities to buy or sell, or which investment strategy to invest in. **IMPORTANT: The projections or other information generated regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results and are not guarantees of future results. All such analyses, projections and estimates in this presentation were prepared solely by you and/or your financial professional and not by any other person. Please note that results may vary with each use of the tool and over time, reflecting any changed circumstances, assumptions or variables upon which the analysis is based.** 

Also note that the analysis provided by the IA Tool relates only to the investments and investment strategy(ies) presented in this report or shown in the IA Tool, other investments and strategies not considered may have characteristics similar or superior to those being analyzed. Please contact your financial professional if you would like to request alternative analyses using the IA Tool, based on different assumptions and inputs than those described in this report.

#### 12b1 Expense %

A 12b-1 fee is a fee used to pay for a mutual fund's distribution costs. It is often used as a commission to brokers for selling the fund. The amount of the fee is taken from a fund's returns.

#### Alpha

Alpha is a measure of the difference between a security or portfolio's actual returns and its expected performance, given its level of risk (as measured by beta.) Alpha is often seen as a measure of the value added or subtracted by a portfolio manager.

## Asset Allocation

Asset Allocation reflects asset class weightings of the portfolio. The "Other" category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the fund against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the fund's managers are buying and how they are positioning the fund's portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the fund's exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security's price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most fund portfolios hold fairly conventional securities, such as long positions in equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart's generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of fund holdings are material. Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if unidentified characteristics of fund holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for more intuitive presentation.)

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the fund only.

### **Average Effective Duration**

Duration is a time measure of a bond's interest-rate sensitivity. Average effective duration is a weighted average of the duration of the fixed-income securities within a portfolio.

#### Average Effective Maturity

Average Effective Maturity is a weighted average of the maturities of all bonds in a portfolio.

#### **Average Weighted Coupon**

A coupon is the fixed annual percentage paid out on a bond. The average weighted coupon is the asset-weighted coupon of each bond in the portfolio.

#### **Average Weighted Price**

Average Weighted Price is the asset-weighted price of bonds held in a portfolio, expressed as a percentage of par (face) value. This number reveals if the

©2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not varranted to be correct, complete or accurate. Except as otherwise required by Jaw, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or sellar do the two the start of the security. Information and provides and there is subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar finc. Including, but not limited to, Morningstar facearch Services LIC, registered with and governed by the U.S. Securities and Example Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



#### Release date 01-31-2025

portfolio favors bonds selling at prices above or below par value (premium or discount securities respectively.)

# **Best Fit Index**

Alpha, beta, and R-squared statistics are presented for a broad market index and a "best fit" index. The Best Fit Index identified in this report was determined by Morningstar by calculating R-squared for the fund against approximately 100 indexes tracked by Morningstar. The index representing the highest R-squared is identified as the best fit index. The best fit index may not be the fund's benchmark, nor does it necessarily contain the types of securities that may be held by the fund or portfolio.

#### Beta

Beta is a measure of a security or portfolio's sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

#### **Credit Quality Breakdown**

Credit Quality breakdowns are shown for corporate-bond holdings in the fund's portfolio and depict the quality of bonds in the underlying portfolio. It shows the percentage of fixed-income securities that fall within each credit-quality rating as assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). Bonds not rated by an NRSRO are included in the Other/Not-Classified category.

#### **Expense Ratio %**

The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

#### **Geometric Average Market Capitalization**

Geometric Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

# Growth of 10,000

Growth of 10,000 graph compares the growth of an investment of 10,000 (in the base currency of the fund) with that of an index and/or with that of the average for all funds in its Morningstar Category. If pre-inception data is included in the analysis, it will be graphed. Fund market value in the graph is reduced when shares are sold to pay advisory fees. Unlike fund, index benchmark or category average market values are not impacted by advisory fees.

#### **Management Fees %**

The management fee includes the management and administrative fees listed in the Management Fees section of a fund's prospectus. Typically, these fees represent the costs shareholders paid for management and administrative services over the fund's prior fiscal year.

#### Mean

Mean is the annualized geometric return for the period shown.

#### Morningstar Medalist Rating™

The Morningstar Medalist Rating is the summary expression of Morningstar's forward-looking analysis of investment strategies as offered via specific vehicles using a rating scale of Gold, Silver, Bronze, Neutral, and Negative. The Medalist Ratings indicate which investments Morningstar believes are likely to

outperform a relevant index or peer group average on a risk-adjusted basis over time. Investment products are evaluated on three key pillars (People, Parent, and Process) which, when coupled with a fee assessment, forms the basis for Morningstar's conviction in those products' investment merits and determines the Medalist Rating they're assigned. Pillar ratings take the form of Low, Below Average, Average, Above Average, and High. Pillars may be evaluated via an analyst's qualitative assessment (either directly to a vehicle the analyst covers or indirectly when the pillar ratings of a covered vehicle are mapped to a related uncovered vehicle) or using algorithmic techniques. Vehicles are sorted by their expected performance into rating groups defined by their Morningstar Category and their active or passive status. When analysts directly cover a vehicle, they assign the three pillar ratings based on their gualitative assessment, subject to the oversight of the Analyst Rating Committee, and monitor and reevaluate them at least every 14 months. When the vehicles are covered either indirectly by analysts or by algorithm, the ratings are assigned monthly. For more detailed information about the Medalist Ratings, including their methodology, please go to https://global.morningstar.com/managerdisclosures.

The Morningstar Medalist Ratings are not statements of fact, nor are they credit or risk ratings. The Morningstar Medalist Rating (i) should not be used as the sole basis in evaluating an investment product, (ii) involves unknown risks and uncertainties which may cause expectations not to occur or to differ significantly from what was expected, (iii) are not guaranteed to be based on complete or accurate assumptions or models when determined algorithmically, (iv) involve the risk that the return target will not be met due to such things as unforeseen changes in changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rates, exchange rate changes, and/or changes in political and social conditions, and (v) should not be considered an offer or solicitation to buy or sell the investment product. A change in the fundamental factors underlying the Morningstar Medalist Rating can mean that the rating is subsequently no longer accurate.

Analysts do not have any other material conflicts of interest at the time of publication. Users wishing to obtain further information should contact their local Morningstar office or refer to the Analyst Conflicts of Interest and Other Disclosures for North America at

https://global.morningstar.com/managerdisclosures under "Methodology Documents and Disclosures".

#### **Morningstar Category**

Morningstar Category is assigned by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor in our analysis as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

#### **Morningstar Rank**

Morningstar Rank is the total return percentile rank within each Morningstar Category. The highest (or most favorable) percentile rank is zero and the lowest (or least favorable) percentile rank is 100. Historical percentile ranks are based on a snapshot of a fund at the time of calculation.

# Morningstar Rating™

The Morningstar Rating<sup>™</sup> for funds, or "star rating", is calculated for funds and separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative

©2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may neuted, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiarias of Morningstar, Inc. including, but rol limited to Normingstar asent? Services ILC, registred with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. For more information about the Morningstar Rating for funds, including its methodology, please go to

global.morningstar.com/managerdisclosures

## **Morningstar Return**

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+Avg), the middle 35% Average (Avg), the next 22.5% Below Average (-Ave), and the bottom 10% Low (Low). Morningstar Return is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

#### **Morningstar Risk**

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

#### **Style Analysis**

The Morningstar Style Box reveals a fund's investment style as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened cell in the style box matrix indicates the weighted average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories- "High", "Medium", and "Low; and there are three interest rate sensitivity categories- "Limited", "Moderate", and "Extensive" resulting in nine possible combinations. As in the equity Style Box the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened cell in the matrix.

Morningstar uses credit rating information from credit rating agencies (CRA's) that have been designated Nationally Recognized Statistical Rating Organizations (NRSRO's) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-learn-nrsros.html. Additionally, Morningstar will

use credit ratings from CRA's which have been recognized by foreign regulatory

To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two rating organizations/ agencies have rated a holding, the lower rating of the two should be applied; if three or more CRA's have rated a holding the median rating should be applied, and in cases where there are more than two ratings and a median rating cannot be determined the lower of the two middle ratings should be applied. Alternatively, if there is more than one rating available an average can be calculated from all and applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio may change over time.

institutions that are deemed the equivalent of the NRSRO designation.

Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed\_income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which corresponds to the long-term rating symbol schemas employed by most CRA's. Note that this value is not explicitly published but instead serves an input in Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit guality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolios which are assigned to Morningstar municipal-bond categories employ static breakpoints between categories. These breakpoints are "Limited" equal to 4.5 years or less; (ii) "Moderate" equal to 4.5 years to less than 7 years, and "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S> Taxable, including all domiciled outside the United States, static duration breakpoints are also used. The values differ from the municipal category values, : (i) "Limited" equals less than or equal to 3.5 years, "Moderate" is assigned to portfolios with effective durations of more than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

#### P/B Ratio TTM

The Price/Book Ratio (or P/B Ratio) for a fund is the weighted average of the P/B Ratio of the stocks in its portfolio. Book value is the total assets of a company,

C2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not varranted to be correct, complete or accurate. Except as otherwise required by Jaw, Morningstar ablin to the responsible for any trading decisions, damages or there losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and govermed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company's book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

## P/C Ratio TTM

The Price/Cash Flow Ratio (or P/C Ratio) for a fund is the weighted average of the P/C Ratio of the stocks in its portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

## P/E Ratio TTM

The Price/Earnings Ratio (or P/E Ratio) for a fund is the weighted average of the P/E Ratios of the stocks in its portfolio. The P/E Ratio of a stock is the stock's current price divided by the company's trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company's earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

#### **Percentile Rank in Category**

Percentile Rank is a standardized way of ranking items within a peer group, in this case, funds within the same Morningstar Category. The observation with the largest numerical value is ranked zero the observation with the smallest numerical value is ranked 100. The remaining observations are placed equal distance from one another on the rating scale. Note that lower percentile ranks are generally more favorable for returns (high returns), while higher percentile ranks are generally more favorable for risk measures (low risk).

#### **Performance Quartile**

Performance Quartile reflects a fund's Morningstar Rank.

#### **Potential Capital Gains Exposure**

Potential Capital Gains Exposure is an estimate of the percent of a fund's assets that represent gains. It measures how much the fund's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that the fund's holdings have generally increased in value while a negative value means that the fund has reported losses on its book.

#### **R-Squared**

R-squared is the percentage of a security or portfolio's return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

#### **Regional Exposure**

The regional exposure is a display of the portfolio's assets invested in the regions shown on the report.

## **Sector Weightings**

Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

#### **Share Change**

Shares Change represents the number of shares of a stock bought or sold by a fund since the previously reported portfolio of the fund.

#### **Sharpe Ratio**

Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

#### **Standard Deviation**

Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility of return.

# **Investment Risk Disclosures**

Morningstar makes no representation concerning the appropriateness of any investment or investment strategy. Other types of investments or investment strategies may be more appropriate depending upon an investor's specific situation, including the investor's investment objectives, financial status, tax situation, and risk tolerance. These disclosures cannot and do not list every conceivable factor that may affect the results of any investment or investment strategy. Additional risks will arise, and an investor must be willing and able to accept those risks. You should speak with your financial professional to understand the risks and limitations on investing in any particular investment or investment strategy, including those that are shown in this report, before making investment decisions.

The performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares/units, when sold or redeemed, may be worth more or less than the original investment. Portfolio statistics change over time. Securities are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution. Portfolio statistics change over time.

The risks associated with investing are numerous and include, but are not limited to, those listed below:

International/Emerging Market Equities: Investing in international securities involves special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

<u>Sector Strategies:</u> Portfolios that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

<u>Non-Diversified Strategies:</u> Portfolios that invest a significant percentage of assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

<u>Small Cap Equities:</u> Portfolios that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the

C2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or ophinions or their use. Dipinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but rol limited to, Morningstar, accarach Services LUC, registred with and governeed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



overall market average.

<u>Mid Cap Equities:</u> Portfolios that invest in companies with market capitalization below \$10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

<u>High-Yield Bonds</u>: Portfolios that invest in lower-rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility, and increased risk of default.

<u>Tax-Free Municipal Bonds</u>: The investor should note that the income from taxfree municipal bond funds may be subject to state and local taxation and the Alternative Minimum Tax.

<u>Bonds:</u> Bonds are subject to interest rate risk. As the prevailing level of bond interest rates rise, the value of bonds already held in a portfolio declines. Portfolios that hold bonds are subject to declines and increases in value due to general changes in interest rates.

<u>Hedge Funds</u>: The investor should note that hedge fund investing involves specialized risks that are dependent upon the type of strategies undertaken by the manager. This can include distressed or event-driven strategies, long/short strategies, using arbitrage (exploiting price inefficiencies), international investing, and use of leverage, options and/or derivatives. Although the goal of hedge fund managers may be to reduce volatility and produce positive absolute return under a variety of market conditions, hedge funds may involve a high degree of risk and are suitable only for investors of substantial financial means who could bear the entire loss of their investment.

Bank Loan/Senior Debt: Bank loans and senior loans are impacted by the risks associated with fixed income in general, including interest rate risk and default risk. They are often non-investment grade; therefore, the risk of default is high. These securities are also relatively illiquid. Managed products that invest in bank loans/senior debt are often highly leveraged, producing a high risk of return volatility.

Exchange Traded Notes (ETNs): ETNs are unsecured debt obligations. Any repayment of notes is subject to the issuer's ability to repay its obligations. ETNs do not typically pay interest.

Leveraged ETFs: Levered investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the Fund objective). The leverage/gearing ratio is the amount of excess return that a levered investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or -300% or 2X, 3X. -2X, -3X).Leveraged investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the prospectus objective). The leverage/gearing ratio is the amount of excess return that a leveraged investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or - 300% or 2X, 3X, -2X, -3X). Compounding has the ability to affect the performance of the fund to be either greater or less than the index performance multiplied by the multiple stated within the funds objective over a stated time period.

<u>Short Positions:</u> When a short position moves in an unfavorable way, the losses are theoretically unlimited. The broker may demand more collateral and a manager might have to close out a short position at an inopportune time to limit further losses.

<u>Long-Short:</u> Due to the strategies used by long-short funds, which may include but are not limited to leverage, short selling, short-term trading, and investing in derivatives, these funds may have greater risk, volatility, and expenses than those focusing on traditional investment strategies.

<u>Liquidity Risk:</u> Closed-end fund, ETF, and HOLDR trading may be halted due to market conditions, impacting an investor's ability to sell a fund.

<u>Market Price Risk:</u> The market price of ETFs, HOLDRs, and closed-end funds traded on the secondary market is subject to the forces of supply and demand and thus independent of the NAV. This can result in the market price trading at a premium or discount to the NAV, which will affect an investor's value.

<u>Market Risk:</u> The market prices of ETFs and HOLDRs can fluctuate as a result of several factors, such as security-specific factors or general investor sentiment. Therefore, investors should be aware of the prospect of market fluctuations and the impact it may have on the market price.

<u>Target-Date Funds</u>: Target-date funds typically invest in other mutual funds and are designed for investors who are planning to retire during the target date year. The fund's target date is the approximate date when investors expect to begin withdrawing their money. A target-date fund's investment objective/strategy typically becomes more conservative over time, primarily by reducing its allocation to equity mutual funds and increasing its allocations in fixed-income mutual funds. An investor's principal value in a target-date fund is not guaranteed at any time, including at the fund's target date.

<u>High double- and triple-digit returns:</u> High double- and triple-digit returns were the result of extremely favorable market conditions, which may not continue to be the case. High returns for short time periods must not be a major factor when making investment decisions.

# **Benchmark Disclosure**

# Morningstar Gbl xUS Val TME NR USD

The index measures the performance of large and mid-cap stocks representing global markets excluding US stocks with lower valuations. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

# Morningstar Mod Tgt Risk TR USD

The Morningstar Moderate Target Risk Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in a static allocation appropriate for U.S. investors who seek average exposure to equity market risk and returns.

# Morningstar US Core Bd TR USD

The index measures the performance of fixed-rate, investment-grade USDdenominated securities with maturities greater than one year. It is marketcapitalization weighted. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

# **MSCI EAFE NR USD**

This Europe, Australasia, and Far East index is a market-capitalization-weighted index of 21 non-U.S., industrialized country indexes.

This disclosure applies to all MSCI indices: Certain information included herein is derived by Morningstar in part from MSCI's Index Constituents (the "Index Data"). However, MSCI has not reviewed any information contained herein and does not endorse or express any opinion such information or analysis. MSCI

©2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses are opinions or their use. Dipinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but rol limited to, Morningstar Research Services LLC, registered with and governeed by the U.S. Securities and Exchange commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



does not make any express or implied warranties, representations or guarantees concerning the Index Data or any information or data derived therefrom, and in no event will MSCI have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) relating to any use of this information. The constituents displayed for this index are from the following proxy: Schwab International Index Fund®.

# S&P 500 TR USD

A market capitalization-weighted index composed of the 500 most widely held stocks whose assets and/or revenues are based in the US; it's often used as a proxy for the U.S. stock market. TR (Total Return) indexes include daily reinvestment of dividends. The constituents displayed for this index are from the following proxy: SPDR® S&P 500® ETF Trust.

# **USTREAS T-Bill Auction Ave 3 Mon**

Three-month T-bills are government-backed, short-term investments considered to be risk-free and as good as cash because the maturity is only three months. Morningstar collects yields on the T-bill on a weekly basis from the Wall Street Journal.

C2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar. (2) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar. (5) are provided solely for information provided by your financial professional which cannot be verified by Morningstar. (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar. (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Norningstar Research Services LC, registred with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# PERFORMANCE SUMMARY (as of 12/31/2024)

	1 Year	5 Year	10 Year	Since Inception (11/2/2017)
Redwood AlphaFactor® Tactical International Fund I Share (RWIIX)	2.03%	4.51%	N/A	3.61%

# PERFORMANCE SUMMARY (as of 1/31/2025)

	1 Year	5 Year	10 Year	Since Inception (11/2/2017)
Redwood AlphaFactor® Tactical International Fund I Share (RWIIX)	7.25%	6.25%	N/A	4.18%

The performance data quoted here represents past performance. Performance shown is for Class I shares (please see a prospectus for information about other share classes). Current performance may be lower or higher than the performance data quoted above. For performance information current to the most recent month-end, please call Fund administrator's shareholder services toll-free at (855)733-3863. Past performance is no guarantee of future results. The investment return and principal value of an investment will fluctuate so that investors' shares, when redeemed, may be worth more or less than their original cost.

The Fund's gross annual operating expense ratio for Class I is 1.32%. The Fund's total annual operating expense ratio for Class I after expense waiver is 1.30%. The Fund's investment adviser has contractually agreed to reduce its fees and/or absorb expenses of the Fund, at least until March 1, 2025. The Fund's adviser has contractually agreed to waive its fees and reimburse expenses of the Fund, to ensure that the total annual fund operating expenses after fee waiver (exclusive of any taxes, short selling expenses, interest, brokerage commissions, expenses incurred in connection with any merger or reorganization, indirect expenses, expenses of other investment companies in which the fund may invest, or extraordinary expense such as litigation) will not exceed 1.20% for Class I, subject to possible recoupment from the Fund in future years. Please review the fund's prospectus for more information regarding the fund's fees and expenses.

Investors should carefully consider the investment objectives, risks, charges and expenses of the Redwood AlphaFactor® Tactical International Fund. This and other important information about the Fund is contained in the prospectus, which can be obtained by calling 1-855-733-3863. The prospectus should be read carefully before investing. The Redwood AlphaFactor® Tactical International Fund is distributed by Northern Lights Distributors, LLC, Member FINRA/SIPC. Redwood Investment Management, LLC is not affiliated with Northern Lights Distributors, LLC.

Fund is managed with a passive investment strategy, designed to track the performance of the Adviser's proprietary index, the AlphaFactor® Tactical International Index. All indices shown may perform differently than the Fund for a variety of reasons and therefore are for illustrative purposes only. There is no assurance that any investment will achieve its investment objectives. Maintaining investments in securities regardless of market conditions or the performance of individual securities could cause the Fund's return to be lower than if the Fund employed an active strategy.

Please refer to the prospectus for a full list of risk with details. The following is additional information to the risk described above. Liquidity risk exists when particular investments of the Fund would be difficult to purchase or sell, possibly preventing the Fund from selling such illiquid securities at an advantageous time or price. Foreign (non-U.S.) securities and emerging market securities present greater investment risks than investing in the securities of U.S. issuers and may experience more rapid and extreme changes in value than the securities of U.S. companies, due to less information about foreign companies in the form of reports and ratings than about U.S. issuers; different accounting, auditing and financial reporting requirements; smaller markets; nationalization; expropriation or confiscatory taxation; currency blockage; or political changes or diplomaticdevelopments. Foreign securities may also be less liquid and more difficult to value than securities of U.S. issuers. American Depositary Receipts (ADRs) may involve many of the same risks as direct investments in foreign securities

The Fund may hold a significant position in cash and/or cash equivalent securities. When the Fund's investment in cash or cash equivalent securities increases, the Fund may not participate in market advances or declines to the same extent that it would if the Fund were more fully invested. The value of money market instruments may be affected by changing interest rates and by changes in the credit ratings of the investments. When the Fund invests in other investment companies, including ETFs, it will bear additional expenses based on its pro rata share of the other investment company's or ETF's operating expenses, including the potential duplication of management fees. The risk of owning an investment company or ETF generally reflects the risks of owning the underlying investments the investment company or ETF holds. The value of securities or other investments selected using quantitative analysis can perform differently from the market as a whole or from their expected performance.