

MAP GLOBAL EQUITY COMPOSITE EX-OPTIONS



DATA AS OF DECEMBER 31, 2023

MANAGED ASSET PORTFOLIOS

INVESTMENT OBJECTIVE

Strategy Goal

Long-term growth of capital by investing in a diversified global equity portfolio that is unconstrained by geography or market capitalization while being benchmark agnostic.

Style – Value.

Market Capitalization Allocation – Large, Mid and Small.

Stated Benchmark – MSCI All Country World Index.

Secondary Benchmark – MSCI All Country World Value Index.

Investable Universe – Approximately 15,000 securities.

Typical # of Equity Positions Held – 35 to 50.

Portfolio Construction Process – Bottom-up based on fundamentals.

FIRM OVERVIEW

Managed Asset Portfolios (MAP) is a boutique, independent SEC-registered investment advisory firm founded in 2000 as a single-family investment office. We opened our doors to outside investors in 2001. Today, the firm manages over \$1 billion for individuals and institutions, as well as over \$140 million in model assets.

INVESTMENT PHILOSOPHY

MAP manages money guided by a strict value discipline and a focus on a margin of safety. The firm builds focused portfolios through a bottom-up process by investing in temporarily out-of-favor securities that show an attractive valuation compared to the company's net assets and earnings power and when there is a catalyst to unlock the intrinsic value of the company.

PORTFOLIO MANAGEMENT TEAM

Michael S. Dzialo

President and Portfolio Manager

pm@map-email.com

- President and Founder of MAP
- 36+ years of investment experience

Peter J. Swan

Portfolio Manager

- International Portfolio Manager at MAP
- 30+ years of investment experience

Karen M. Culver

Portfolio Manager

- Senior Portfolio Manager at MAP
- 32+ years of investment experience

Zachary S. Fellows, CFA

Portfolio Manager

- Portfolio Manager/Sr. Research Analyst at MAP
- 9+ years of investment experience

ANNUALIZED RETURNS AS OF DECEMBER 31, 2023

	Quarter	YTD	1 Year	3 Year	5 Year	7 Year	10 Year	SI 05/31/12
Gross Composite	6.71%	12.36%	12.36%	6.51%	9.56%	9.20%	7.87%	9.83%
Net ¹ Composite	6.59%	11.80%	11.80%	5.93%	8.89%	8.52%	7.08%	8.89%
Benchmark	11.15%	22.81%	22.81%	6.25%	12.27%	10.60%	8.48%	10.63%
Secondary Benchmark	9.34%	12.68%	12.68%	8.11%	9.05%	7.42%	6.23%	8.78%

ROLLING 36-MONTH RETURN ANALYSIS (MAY 31, 2012 – DECEMBER 31, 2023)²

	MAP Global Equity Ex-Options Composite (Net)	MSCI ACWI
Number of 36-Month Periods	104	104
Average 36-Month Annualized Return	8.36%	9.40%
Best 36-Month Annualized Return	15.77%	20.96%
Worst 36-Month Annualized Return	0.76%	2.05%
Standard Deviation of 36-Month Periods	3.26%	3.74%
Profitable Periods (%)	100.00%	100.00%
Average Profitable Period Return (Annualized)	8.36%	9.40%
Unprofitable Periods (%)	0.00%	0.00%
Average Unprofitable Period Return (Annualized)	N/A	N/A

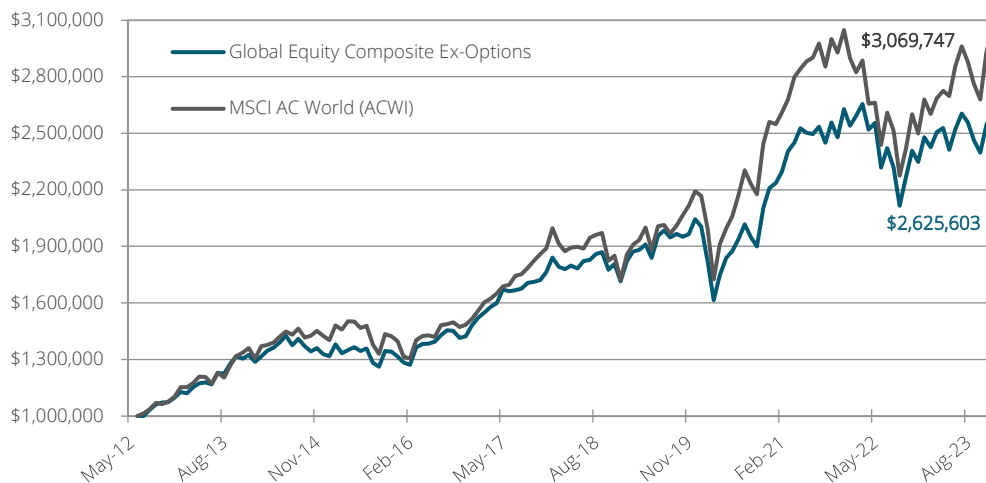
EQUITY STATISTICS^{2,3}

Wtd. Market Cap (mil)	331,897
PE	15.06
Price to Sales	2.92
Price to Book	4.62
Dividend Yield	2.77%
Turnover (TTM)	22.40%
Active Share	88.30%

RISK STATISTICS^{2,3}

	GROSS	NET
Beta vs. Benchmark ^{4,5}	0.81	0.81
Sharpe Ratio ^{4,5}	0.71	0.64
Sortino Ratio ^{4,5}	1.26	1.13
Alpha ^{4,5}	1.16%	0.31%
R2 vs. Benchmark ⁶	86.78%	86.59%
Upside Capture Ratio ⁶	80.66%	77.89%
Downside Capture Ratio ⁶	80.34%	81.89%

GROWTH OF A \$1,000,000 INVESTMENT (SINCE INCEPTION, NET¹)



Performance is not examined. Quarterly returns are not annualized.

¹Results are presented net of actual fees. Investment advisory fees are described in MAP's Form ADV, Part 2A, Item 5. ²The information provided is supplemental and complements the MAP Global Equity Composite Ex-Options GIPS® Report. Risk Statistics are presented gross and net of fees. ³Descriptive statistics derived from holdings based on the aggregate of individual client portfolios in the composite. Holdings of individual client portfolios in the composite may differ, sometimes significantly, from those shown. ⁴Based on the annualized monthly returns of the Global Equity Composite Ex-Options compared to the annualized monthly total returns of the MSCI ACWI Index since inception. ⁵Statistics are generated by Zephyr®. Zephyr uses the ICE BofA U.S. 3-Month Treasury Bill Total Return Index as the risk-free rate for the applicable risk statistic calculations. ©2024 Zephyr. All Rights Reserved. The information provided by Zephyr: (1) is proprietary to Zephyr and/or its content providers; (2) may not be copied or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Zephyr nor its content providers are responsible for any damages or losses arising from any use of this information. ⁶Based on the cumulative performance for the MSCI AC World (ACWI) Index's 92 positive months and 47 negative months between June 1, 2012 and December 31, 2023.

All investments are subject to risk, including the loss of principal.

Past performance is no guarantee of future results.

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MAP GLOBAL EQUITY COMPOSITE EX-OPTIONS

DATA AS OF DECEMBER 31, 2023

MANAGED ASSET PORTFOLIOS

SECTOR WEIGHTINGS *

Equity Sector	Composite ^{1,*}	MSCI ACWI
Communication Svcs.	13.6%	7.3%
Consumer Discr.	3.7%	11.1%
Consumer Staples	20.1%	6.8%
Energy	1.9%	4.5%
Financials	2.7%	15.9%
Health Care	15.7%	11.2%
Industrials	9.6%	10.7%
Information Tech.	17.5%	22.9%
Materials	11.0%	4.5%
Real Estate	0.0%	2.4%
Utilities	4.3%	2.6%

CAPITALIZATION COMPOSITION ^{1,*}

Greater than \$10 billion	78.2%
\$2 billion - \$10 billion	18.3%
\$500 million - \$2 billion	1.2%
Less than \$500 million	2.3%

ASSET ALLOCATION ^{1,*}

Cash & Equivalents	5.5%
Fixed Income	0.0%
U.S. Equities	53.8%
Non-U.S. Equities	40.7%

TOP TEN HOLDINGS ^{1,*}

Microsoft	4.56%
Bunge Global SA NPV	3.96%
Sanofi ADR	3.71%
Tetra Tech Inc	3.59%
Novartis AG-ADR	3.36%
Sprott Physical Gold & Silver Trust	3.18%
Cisco Systems Inc	3.02%
Meta Platforms, Inc.	2.99%
Kratos Defense & Security	2.89%
Johnson & Johnson	2.71%

* The information provided is supplemental and complements the MAP Global Equity Composite Ex-Options GIPS® report.

¹ Descriptive statistics derived from holdings based on the aggregate of individual client portfolios in the Composite. Holdings of individual client portfolios in the Composite may differ, sometimes significantly, from those shown. This information does not constitute, and should not be construed as, investment advice or recommendations with respect to the securities listed.

Definitions: **Active Share:** The percentage of holdings that differ from the benchmark holdings. A composite that has no holdings in common with the benchmark will have an Active Share of 100%, and a composite that has exactly the same holdings as the benchmark will have an Active Share of 0%. **Alpha:** Measures how much of the rate of return on the composite is attributable to the manager's ability to derive above average returns adjusted for risk. **Beta:** Measures the composite's covariance relative to its benchmark. **Downside Capture Ratio:** Measures the manager's overall performance to the benchmark's overall performance, considering only quarters that are negative in the benchmark. A Downside Capture Ratio of less than 100% indicates a manager that is able to outperform the relative benchmark during down markets. **Dividend Yield:** The annual percentage of return earned by an equity investor from the payment of dividends on common or preferred stock. **Duration:** The approximate percentage change in price for a 100-basis point change in yield. A duration of 5 means that bond's price will change by 5% for a 100-basis point change in yield. Duration is valid only for small changes in yield. **Market Capitalization:** Total value of all the issued and outstanding common stock of a corporation. **Maturity:** date at which a debt instrument is due and payable. **Price to Book Ratio:** The ratio of market price of a company's shares (share price) over its book value of equity. **Price to Earnings Ratio (PE):** Price of a stock divided by the trailing twelve months earnings per share. **Price to Sales Ratio:** Price of a stock divided by the trailing twelve months sales per share. **R2:** Measures the strength of the linear relationship between the composite and its benchmark. **S&P Rating:** Evaluation of a company's credit history and ability to repay its obligations performed by S&P. An obligation rated 'BBB' exhibits adequate protection parameters. However, adverse economic conditions or changing circumstances are more likely to lead to a weakened capacity of the obligor to meet its financial commitment on the obligation. **Sharpe Ratio:** The ratio of the return earned over the risk-free rate divided by the variability of the composite. It indicates the risk premium return earned per unit of total risk. **Sortino Ratio:** The excess return over the risk-free rate divided by the downside semi-variance. **Turnover:** The volume of the composite's holdings that is sold and replaced with new securities annually, expressed as a percentage of the composite's total assets. **Upside Capture Ratio:** Measures the manager's overall performance to the benchmark's overall performance, considering only the quarters that are positive in the benchmark. An Upside Capture Ratio of more than 100% indicates a manager that is able to outperform the benchmark during up markets. **Yield to Maturity:** Annualized rate of return an investor will receive if a debt instrument, such as a bond, is held to maturity.

MAP GLOBAL EQUITY COMPOSITE EX-OPTIONS GIPS® REPORT

Year End	Total Firm Assets (M\$)	Composite Assets ¹		Annual Performance Results						3-Year Annualized EX-POST Standard Deviation ²		
		USD (M\$)	Number of Accounts	Composite		MSCI ACWI	MSCI ACWI Value	Composite Dispersion	Percent of Composite Assets That are Wrap Fee Accounts	Composite	MSCI ACWI	MSCI ACWI Value
				Gross	Net							
2023	1,076	244.6	178	12.36%	11.80%	22.81%	12.68%	0.69%	26%	14.53%	16.27%	15.24%
2022	1,004	230.2	187	-10.17%	-10.64%	-17.96%	-6.86%	0.62%	25%	17.93%	19.86%	20.25%
2021	1,114	266.3	174	19.70%	18.97%	19.04%	20.41%	0.92%	23%	15.20%	16.83%	18.50%
2020	910	155.3	161	8.85%	8.07%	16.82%	0.42%	1.23%	33%	15.28%	18.12%	18.99%
2019	892	171.5	178	20.03%	19.16%	27.30%	21.52%	2.55%	27%	8.82%	11.21%	10.94%
2018	691	135.0	127	-2.11%	-2.75%	-8.93%	-10.12%	1.54%	25%	8.40%	10.48%	10.18%
2017	654	105.1	78	19.82%	19.04%	24.62%	19.09%	1.17%	24%	9.03%	10.36%	10.51%
2016	522	53.9	37	13.20%	12.65%	8.48%	13.44%	0.57%	19%	9.75%	11.07%	11.24%
2015	436	35.1	Five or Fewer ³	-0.02%	-0.95%	-1.84%	-5.58%		2%	9.44%	10.78%	11.09%
2014	413	1.2	6	1.83%	0.25%	4.71%	3.56%		100%			

¹For the periods prior to 2017 composite assets are calculated based on composite membership as of 12/31. Composite assets include accounts that enter the composite on 12/31.

²3-Year Annualized EX-POST Standard Deviation for the period 2013-2014 is not presented because 36 monthly returns are not available.

³Information is not statistically meaningful due to an insufficient number of portfolios in the composite for the entire year.

MAP Global Equity Composite Ex-Options seeks to generate long-term growth of capital by investing in a diversified equity portfolio. Investments may also include foreign-listed stocks, preferred stocks, and other securities. Effective 6/30/2020, the primary benchmark is the MSCI ACWI Index and the secondary benchmark is the MSCI ACWI Value Index. Prior to 06/30/2020, the primary benchmark was the MSCI ACWI Index and there was no secondary benchmark. The addition of the secondary benchmark stems from our belief that the MSCI ACWI Value Index is complementary to the MSCI ACWI Index in that the MAP Global Equity Composite Ex-Options portfolio composition is formed through a process centered around value investing techniques. Furthermore, when running a regression analysis over the last 10 years, the Composite has a higher correlation and R2 to the MSCI ACWI Value Index than its growth counterpart, the MSCI ACWI Growth Index. The MSCI ACWI is a free float adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The index currently consists of 47 countries, comprising of 23 developed and 24 emerging market indices. The MSCI ACWI Value Index captures large and mid cap securities exhibiting overall value style characteristics across (EM) countries. The value investment style characteristics for index construction are defined using three variables: book value to price, 12-month forward earnings to price and dividend yield. Returns include the effect of foreign currency exchange rates. Material risks of the composite include market risk, issuer risk, style risk, foreign securities risk, exchange rate risk, regulatory risk, geopolitical risk, and concentration risk (to the extent the adviser emphasizes a particular industry or group of related industries). Investing in securities involves risk of loss of principal that they should be prepared to bear. Illiquid investments are not a material part of the composite. Leverage, derivatives, and short positions are not utilized.

Managed Asset Portfolios, LLC claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Managed Asset Portfolios, LLC has been independently verified for the periods March 31, 2001 through December 31, 2022. The verification reports are available upon request. A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.

Managed Asset Portfolios, LLC is a registered investment adviser. A list of composite descriptions, a list of broad distribution pooled funds and performance results are available upon request. Results are based on fully discretionary accounts under management, including those accounts no longer with the firm. Non-fee-paying accounts are not included in this composite. Composite performance is presented gross of foreign withholding taxes on dividends. Past performance is not indicative of future results.

The U.S. Dollar is the currency used to express performance. Gross returns are shown as supplemental information and are stated gross of all fees and transaction costs. Net returns are reduced by actual fees. Returns include the reinvestment of all income. Wrap/bundled fee accounts pay a fee based on a percentage of assets under management. Wrap fees may include but are not limited to custody fees, trading and execution fees, and performance reporting fees. The annual composite dispersion presented is an asset-weighted standard deviation calculated using gross returns of accounts in the composite the entire year. The 3-Year Standard Deviation represents the annualized standard deviation of actual gross composite and benchmark returns, using the rolling 36-months ended each year-end. Policies for valuing investments, calculating performance, and preparing GIPS Reports are available upon request.

The management fee is generally 1.25%. Actual investment advisory fees incurred by clients may vary. Wrap fee schedules are provided by independent wrap sponsors and are available upon request from the respective wrap sponsor. Actual wrap fees may vary by wrap sponsor. See Part 2A, Part 5 of Form ADV for more information regarding fees.

The MAP Global Composite Ex-Options was created April 25, 2012 and inception May 31, 2012.

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