## BREVAN HOWARD

# **BH MACRO LIMITED**

MONTHLY SHAREHOLDER REPORT JUNE 2019

## BREVAN HOWARD

www.bhmacro.com

#### **OVERVIEW**

#### Manager:

Brevan Howard Capital Management LP ("BHCM")

Administrator: Northern Trust International Fund Administration Services (Guernsey) Limited ("Northern Trust")

**Corporate Broker:** 

J.P. Morgan Cazenove

Listing: London Stock Exchange (Premium Listing)

#### PERFORMANCE **ATTRIBUTION**

#### Data as at 28 June 2019

Performance

contribution (%) by asset class for BHM USD Shares (net of fees and expenses)

The information in this section has been provided to BHM by BHCM. Based on performance data for each period provided by BHM's administrator, Northern Trust. Figures rounded to two decimal places

#### Performance attribution (%) by underlying component for BHMF

The information in this section has been provided to BHM by BHCM. Derived from data calculated by BHCM, based on total performance data for each period provided by BHMF's administrator, International Fund Services (Ireland) Limited ("IFS") and risk data provided by BHCM

See notes for definitions of underlying components

BH Macro Limited ("BHM") is a closed-ended investment company, registered and incorporated in Guernsey on 17 January 2007 (Registration Number: 46235).

BHM invests all of its assets (net of short-term working capital) in the ordinary shares of Brevan Howard Master Fund Limited ("BHMF" or the "Fund").

BHM was admitted to the Official List of the UK Listing Authority and to trading on the Main Market of the London Stock Exchange on 14 March 2007.

	Rates	FX	Commodity	Credit	Equity	Total
June 2019	4.65	-0.74	0.30	-0.04	-0.19	3.97
Q1	3.16	-0.68	0.05	-0.03	-0.09	2.41
Q2	9.14	-1.79	0.25	-0.04	-0.29	7.14
YTD	12.59	-2.46	0.30	-0.07	-0.38	9.72

Methodology and Definition of Contribution to Performance:

Attribution by asset class is produced at the instrument level, with adjustments made based on risk estimates.

The above asset classes are categorised as follows:

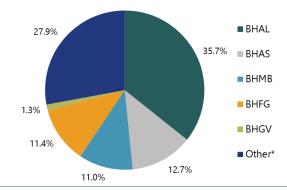
"Rates": interest rates markets

"FX": FX forwards and options

"Commodity": commodity futures and options

"Credit": corporate and asset-backed indices, bonds and CDS "Equity": equity markets including indices and other derivatives

**Component Parts of the Fund** 



	Return	Return		ion
	MTD	YTD	MTD	YTD
Brevan Howard Alpha Strategies Master Fund Limited (BHAL)	6.81%	16.30%	2.33%	5.28%
Brevan Howard AS Macro Master Fund Limited (BHAS)	1.56%	8.95%	0.20%	1.10%
Brevan Howard MB Macro Master Fund Limited (BHMB)	3.31%	11.38%	0.37%	1.20%
Brevan Howard FG Macro Master Fund Limited (BHFG)	3.49%	-0.16%	0.40%	-0.02%
Brevan Howard Global Volatility Master Fund Limited (BHGV)	-1.22%	-12.72%	-0.02%	-0.19%
Other*	5.97%	18.07%	1.70%	5.37%

The performance figures listed above, other than the performance figures for "Other", represent the actual returns of Class X Shares in each underlying fund in which the Fund invests. The Class X Shares in each underlying fund do not charge any performance or management fees. Management, performance and other fees and expenses are payable by BHM. BHM's investment in the Fund is subject to an operational services fee.

\* The performance figures listed for "Other" represent returns from (i) direct capital allocations to individual traders, (ii) treasury trades placed for BHMF, (i) and (ii) each represented gross of all performance fees, management fees and the operational services fee (however net of all other fees and expenses payable by the Fund), and (iii) actual returns of Class X Shares in Brevan Howard AH Master Fund Limited (see above paragraph for fee characteristics of Class X Shares in underlying funds).

PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS

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#### PERFORMANCE REVIEW

The information in this section has been provided to BHM by BHCM. Derived from data calculated by BHCM, based on total performance data for each period provided by the Fund's administrator (IFS) and risk data provided by BHCM.

#### BH Macro Limited – performance overview

The NAV per share of BHM's USD shares appreciated by 3.97% and the NAV per share of BHM's GBP shares appreciated by 3.82% in June 2019. The majority of the gains came from directional trading of US interest rates, enhanced by gains in curve and inflation trading. Further profits from directional trading of European and emerging market interest rates contributed to the total. Small losses from FX trading detracted from the total, primarily from positions in the Euro. Positions in Gold contributed positively as the market moved to safe haven investments.

#### BHAL

Directional and yield curve trading in both US and European interest rate instruments generated the majority of the gains. Performance on tactical and relative value trading in European bonds was negative. Trading in emerging market interest rates also generated gains, while FX trading contributed small losses driven mainly by positions on the EUR with smaller positive contributions from JPY, MXN, AUD and Gold.

#### BHAS

Main drivers were once again USD interest rates, where the strong rally driven by the Federal Reserve Board's interest rate cut expectations pushed the performance to new highs. Against these gains BHAS incurred minor losses in its FX positions.

#### внмв

Gains were generated from rates trading strategies with a small offset coming from FX and equity trading. Rates gains came predominately from long-biased directional positioning across various Asian currencies where economies continue to be affected by the global slowdown in consumer spending exacerbated by both global and local trade tensions. Net losses in FX trading offset the total gains, driven by a balance of currencies contributing both positively and negatively to the totals. A mixture of directional and volatility structures based on Asian equity indices also produced a small offset to the overall monthly gain.

#### BHFG

The majority of the gains came from BHFG's long USD rates positions which benefited from an increasingly dovish Federal Reserve Board. Over the course of the month, BHFG updated this theme by taking profit on its 2Y2Y ratio receiver spread and increasing its long position in front end USD rates. There were also gains from long gold option positions. Trades linked to Brexit saw a small residual loss and European rates were neutral over the period. Gains from USD rates and gold were offset in part by losses in tactical trading, mainly in equity options.

#### BHGV

Volatilities were stable for the first half of the month but at the end of the month a new wave of selling in FX and rates volatility pushed them lower. Equity volatilities performed relatively well helped by higher stock markets. Realised volatility in interest rates picked up significantly.

#### Other\*

Gains came predominately from directional and yield curve trading in US interest rates.

\* Please see section "Performance Attribution".

USD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2007			0.10	0.90	0.15	2.29	2.56	3.11	5.92	0.03	2.96	0.75	20.27
2008	9.89	6.70	-2.79	-2.48	0.77	2.75	1.13	0.75	-3.13	2.76	3.75	-0.68	20.32
2009	5.06	2.78	1.17	0.13	3.14	-0.86	1.36	0.71	1.55	1.07	0.37	0.37	18.04
2010	-0.27	-1.50	0.04	1.45	0.32	1.38	-2.01	1.21	1.50	-0.33	-0.33	-0.49	0.91
2011	0.65	0.53	0.75	0.49	0.55	-0.58	2.19	6.18	0.40	-0.76	1.68	-0.47	12.04
2012	0.90	0.25	-0.40	-0.43	-1.77	-2.23	2.36	1.02	1.99	-0.36	0.92	1.66	3.86
2013	1.01	2.32	0.34	3.45	-0.10	-3.05	-0.83	-1.55	0.03	-0.55	1.35	0.40	2.70
2014	-1.36	-1.10	-0.40	-0.81	-0.08	-0.06	0.85	0.01	3.96	-1.73	1.00	-0.05	0.11
2015	3.14	-0.60	0.36	-1.28	0.93	-1.01	0.32	-0.78	-0.64	-0.59	2.36	-3.48	-1.42
2016	0.71	0.73	-1.77	-0.82	-0.28	3.61	-0.99	-0.17	-0.37	0.77	5.02	0.19	6.63
2017	-1.47	1.91	-2.84	3.84	-0.60	-1.39	1.54	0.19	-0.78	-0.84	0.20	0.11	-0.30
2018	2.54	-0.38	-1.54	1.07	8.41	-0.57	0.91	0.90	0.14	1.32	0.38	0.47	14.16
2019	0.67	-0.70	2.45	-0.49	3.55	3.97							9.72

#### **NAV PERFORMANCE**

BH Macro Limited NAV per Share

Monthly performance in % terms; net of fees and expenses

Data as at 28 June 2019

Source: Fund NAV data is provided by the administrator of the Fund, IFS. BHM NAV and NAV per Share data is provided by BHM's administrator, Northern Trust. BHM NAV per Share % Monthly Change is calculated by BHCM.

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GBP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2007			0.11	0.83	0.17	2.28	2.55	3.26	5.92	0.04	3.08	0.89	20.67
2008	10.18	6.86	-2.61	-2.33	0.95	2.91	1.33	1.21	-2.99	2.84	4.23	-0.67	23.25
2009	5.19	2.86	1.18	0.05	3.03	-0.90	1.36	0.66	1.55	1.02	0.40	0.40	18.00
2010	-0.23	-1.54	0.06	1.45	0.36	1.39	-1.96	1.23	1.42	-0.35	-0.30	-0.45	1.03
2011	0.66	0.52	0.78	0.51	0.59	-0.56	2.22	6.24	0.39	-0.73	1.71	-0.46	12.34
2012	0.90	0.27	-0.37	-0.41	-1.80	-2.19	2.38	1.01	1.95	-0.35	0.94	1.66	3.94
2013	1.03	2.43	0.40	3.42	-0.08	-2.95	-0.80	-1.51	0.06	-0.55	1.36	0.41	3.09
2014	-1.35	-1.10	-0.34	-0.91	-0.18	-0.09	0.82	0.04	4.29	-1.70	0.96	-0.04	0.26
2015	3.26	-0.58	0.38	-1.20	0.97	-0.93	0.37	-0.74	-0.63	-0.49	2.27	-3.39	-0.86
2016	0.60	0.70	-1.78	-0.82	-0.30	3.31	-0.99	-0.10	-0.68	0.80	5.05	0.05	5.79
2017	-1.54	1.86	-2.95	0.59	-0.68	-1.48	1.47	0.09	-0.79	-0.96	0.09	-0.06	-4.35
2018	2.36	-0.51	-1.68	1.01	8.19	-0.66	0.82	0.79	0.04	1.17	0.26	0.31	12.43
2019	0.52	-0.88	2.43	-0.60	3.53	3.82							9.04

BHM NAV data is unaudited and net of all investment management and all other fees and expenses payable by BHM. In addition, the Fund is subject to an operational services fee.

With effect from 1 April 2017, the management fee is 0.5% per annum. BHM's investment in the Fund is subject to an operational services fee of 0.5% per annum.

No management fee or operational services fee is charged in respect of performance related growth of NAV for each class of share in excess of its level on 1 April 2017 as if the tender offer commenced by BHM on 27 January 2017 had completed on 1 April 2017. NAV performance is provided for information purposes only. Shares in BHM do not necessarily trade at a price equal to the prevailing NAV per Share.

#### ASSETS AND NAV PER SHARE

Data as at 28 June 2019

Source: Share data is provided by BHM's administrator, Northern Trust.

#### ASC 820 ASSET VALUATION CATEGORISATION

% of Gross Market Value

Brevan Howard Master Fund Limited

Unaudited as at 28 June 2019

Source: BHCM, sum may not total 100% due to rounding.

	NAV per Share	USD MM
USD Shares	\$27.07	64.8
GBP Shares	£26.32	476.0
BH Macro Limited		540.8

	On a non-look through basis*	On a look through basis**
Level 1	14.4	69.9
Level 2	13.1	30.0
Level 3	0.1	0.1
At NAV	72.4	-
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Level 1: This represents the level of assets in the portfolio which are priced using unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities.

Level 2: This represents the level of assets in the portfolio which are priced using either (i) quoted prices that are identical or similar in markets that are not active or (ii) model-derived valuations for which all significant inputs are observable, either directly or indirectly in active markets.

Level 3: This represents the level of assets in the portfolio which are priced or valued using inputs that are both significant to the fair value measurement and are not observable directly or indirectly in an active market.

At NAV: This represents the level of assets in the portfolio that are invested in other funds and priced or valued at NAV as calculated by IFS.

\*This data is unaudited and has been calculated by BHCM using the same methodology as that used in the most recent audited financial statements of the Fund. The relative size of each category is subject to change.

\*\*This data reflects the combined ASC 820 levels of the Fund and the underlying allocations in which the Fund is invested, proportional to each of the underlying allocation's weighting in the Fund's portfolio. The data is unaudited and has been calculated by BHCM using the same methodology as that used in the most recent audited financial statements of the Fund and any underlying funds (as the case may be). The relative size of each category is subject to change.

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#### MANAGER'S MARKET REVIEW AND OUTLOOK

The information in this section has been provided to BHM by BHCM.

#### US

Growth in the second quarter appears to have slowed from the first-quarter pace, with business investment a notable drag. Core personal consumption inflation remains below the Federal Reserve Board's (the "Fed") 2% target, falling just under 40 basis points since the start of the year. However, the labour market rebounded notably in June. The Fed looks likely to ease policy in the second half of the year in order to address the downside risks to the economy, especially those posed by trade uncertainty and global weakness, as implied by disappointing global growth indicators.

#### UK

Boris Johnson has been announced as the new Prime Minister after gaining 66% of the Tory membership vote. His campaign was defined by a commitment to exit the EU on 31 October 2019 with or without a deal. The latest monthly GDP numbers saw a partial rebound in May (+0.3% m/m) from the April contraction (-0.4% m/m) as car manufacturers resumed production after the postponement of the original Brexit date. With two months-worth of the quarter's data now released, Q2 GDP is expected to be subdued, and Purchasing Manager Index data for June indicated a decline in activity, registering the lowest reading in the manufacturing sector since 2013. The Bank of England left rates unchanged in June, but a speech from the Bank of England's Governor, Mark Carney, in early July highlighted downside risks and a "sea change" in the global economic outlook.

#### EMU

Recent data continue to point to a contraction in German and Italian Q2 GDP and EMU Q2 GDP is likely to disappoint the European Central Bank's ("ECB") forecasts. EMU flash Harmonised Index of Consumer Prices ("HICP") inflation remained at 1.2% y/y in June, with continued volatility in Core inflation (1.1% from 0.8%) that looks likely to drop again in July. Despite not cutting rates in July, the ECB is now communicating it does not like a persistent deviation of inflation, that its objective is symmetric and thus it can even accept inflation above 1.9% for some time. It is also hinting that it is considering implementing a bazooka-package, encompassing tiering, a rate cut and quantitative easing for September.

#### Japan

The Bank of Japan kept policy unchanged, though Chair Kuroda indicated that the Bank stands ready to provide additional measures if needed. He pushed back on the idea that they are out of ideas. The Tankan Survey slipped slightly in Q2 from its level in Q1, as did the forecast for Q3. Indices for large and medium-sized firms remained at solid levels, but the index of quarter-ahead expectations among small enterprises turned negative for the first time since the start of 2017.

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#### NOTES

Howard Alpha Strategies Fund Limited Howard AS Macro Master mited Howard MB Macro	Multi PM Fund Single PM Fund	Relative value ("RV") and directional strategies in developed and emerging fixed income and FX markets Macro / RV strategies in developed market interest rate markets
mited Howard MB Macro		interest rate markets
	Single PM Fund	
Fund Limited		Macro / RV strategies in Asia-focused interest rate and FX markets
Howard FG Macro Master mited	Single PM Fund	Multi-asset class macro trading
Howard Global Volatility Fund Limited	Opportunistic Fund	Long volatility in multiple asset classes
	Multi PM: Capital allocations to various trading strategies or individual traders that are not part of the funds listed above.	Multi-asset class macro, systematic and RV trading
F		Multi PM: Capital allocations to various trading strategies or individual traders that

### **ENQUIRIES**

#### The Company Secretary Northern Trust International Fund Administration Services (Guernsey) Limited bhfa@ntrs.com +44 (0) 1481 745736

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IMPORTANT LEGAL INFORMATION AND	Brevan Howard Capital Management LP ("BHCM") has supplied certain information herein regarding BHM, BHMF and the funds which BHMF invests, or has invested, in (together the "Funds").
DISCLAIMER	The material relating to the Funds included in this report is provided for information purposes only, does not constitute an invitation or offer to subscribe for or purchase shares in the Funds and is not intended to constitute "marketing" of the Funds as such term is understood for the purposes of the Alternative Investment Fund Managers Directive as it has been implemented in states of the European Economic Area. This material is not intended to provide a sufficient basis on which to make an investment decision. Information and opinions presented in this material relating to the Funds have been obtained or derived from sources believed to be reliable, but none of the Funds or BHCM make any representation as to their accuracy or completeness. Any estimates may be subject to error and significant fluctuation, especially during periods of high market volatility or disruption. Any estimates should be taken as indicative values only and no reliance should be placed on them. Estimated results, performance or achievements may materially differ from any actual results, performance or achievements. Except as required by applicable law, the Funds and BHCM expressly disclaim any obligations to update or revise such estimates to reflect any change in expectations, new information, subsequent events or otherwise.
	Tax treatment depends on the individual circumstances of each investor in BHM and may be subject to change in the future. Returns may increase or decrease as a result of currency fluctuations.
	You should note that, if you invest in BHM, your capital will be at risk and you may therefore lose some or all of any amount that you choose to invest. This material is not intended to constitute, and should not be construed as, investment advice. All investments are subject to risk. You are advised to seek expert legal, financial, tax and other professional advice before making any investment decisions.
	THE VALUE OF INVESTMENTS CAN GO DOWN AS WELL AS UP. YOU MAY NOT GET BACK THE AMOUNT ORIGINALLY INVESTED AND YOU MAY LOSE ALL OF YOUR INVESTMENT. PAST PERFORMANCE IS NOT A RELIABLE INDICATOR OF FUTURE RESULTS.
Risk Factors	Acquiring shares in BHM may expose an investor to a significant risk of losing all of the amount invested. Any person who is in any doubt about investing in BHM (and therefore gaining exposure to BHMF and the investment funds in which BHMF invests (together with BHMF "the Underlying Funds")) should consult an authorised person specialising in advising on such investments. Any person acquiring shares in BHM must be able to bear the risks involved. These include the following:
	<ul> <li>The Underlying Funds are speculative and involve substantial risk.</li> </ul>
	• The Underlying Funds will be leveraged and will engage in speculative investment practices that may increase the risk of investment loss. The Underlying Funds may invest in illiquid securities.
	• Past results of each Underlying Fund's investment manager(s) are not necessarily indicative of future performance of that Underlying Fund, and that Underlying Fund's performance may be volatile.
	<ul> <li>An investor could lose all or a substantial amount of his or her investment.</li> </ul>
	• An investment manager may have total investment and trading authority over an Underlying Fund and each Underlying Fund is dependent upon the services of its investment manager(s).
	• Investments in the Underlying Funds are subject to restrictions on withdrawal or redemption and should be considered illiquid.
	• The investment managers' incentive compensation, fees and expenses may offset an Underlying Fund's trading and investment profits.
	• No Underlying Fund is required to provide periodic pricing or valuation information to investors with respect to individual investments.
	• The Underlying Funds are not subject to the same regulatory requirements as mutual funds.
	• A portion of the trades executed for the Underlying Funds may take place on foreign markets.
	The Underlying Funds are subject to conflicts of interest.
	• Each Underlying Fund is dependent on the services of certain key personnel, and, were certain or all of them to become unavailable, an Underlying Fund may prematurely terminate.
	• Each Underlying Fund's managers will receive performance-based compensation. Such compensation may give such managers an incentive to make riskier investments than they otherwise would.
	• An Underlying Fund may make investments in securities of issuers in emerging markets. Investment in emerging markets involve particular risks, such as less strict market regulation, increased likelihood of severe inflation, unstable currencies, war, expropriation of property, limitations on foreign investments, increased market volatility, less favourable or unstable tax provisions, illiquid markets and social and political upheaval.
	The above summary risk factors do not purport to be a complete description of the relevant risks of an investment in shares in BHM or the Underlying Funds and therefore reference should be made to publicly available documents and information.