Commentary as of 09/30/23

- The fund posted returns of -3.79% (Institutional shares) and -3.84% (Investor A shares, without sales charge) for the third quarter of 2023.
- Security selection and relative value trades within agency mortgage-backed securities (MBS) contributed to returns during the quarter. Out-of-benchmark allocations to collateralized mortgage obligations (CMOs) also helped performance, while rates-based strategies, including duration (interest rate sensitivity) and rate volatility trades, detracted modestly.
- The fund favored MBS pass-through exposure in higher coupon pools and continued to hold out-of-benchmark allocations, such as fixed-rate CMOs and agency mortgage derivatives.

Contributors
The largest contributor to performance was an out-of-benchmark allocation to fixed-rate CMOs, which provided stable cash flows. The fund maintained its long position in seasoned high coupon pools, which was also positive.

Detractors
Rates-based strategies were the largest detractors during the quarter. Short interest rate volatility strategies weighed on returns, driven by higher realized volatility in August and September. The fund’s modestly long duration positioning also weighed on performance, given the “bear steepening” move (widen of the yield curve as long-term rates accelerate more than short-term ones).

Further insight
During the quarter, the fund made some rotation out of MBS pass-through pools into mortgage-to-be-announced contracts for lower coupons, which allowed for a significant allocation of cash into U.S. Treasury bills. Within pool selection, seasoning has been an important component and the fund continued to hold an overweight position in more seasoned pools relative to recently originated collateral. In out-of-benchmark allocations, the fund continued to hold fixed-rate CMOs and mortgage derivatives. In rates positioning, it began the quarter with an overweight duration exposure, though this was subsequently reduced after the Federal Open Market Committee’s meeting in September.

Portfolio management
Matthew Kraeger, Siddharth Mehta

Top 10 holdings (%)
- GNMA II: 92.88
- GNMA I: 10.62
- Federal National Mortgage: 2.23
- Gnma_15-187-C: 1.77
- Gnma_15-55-A: 1.36
- Gnma_15-79-My: 0.88
- Fhlmc_4325-Zx: 0.86
- Gnma_15-103-B: 0.81
- FHLM: 0.71
- Gnma_20-149h-Ia: 0.65

Investment approach
Invests primarily in securities issued by the Government National Mortgage Association (GNMA) as well as other U.S. government securities. The Fund seeks to maintain an average portfolio duration that is within +/- 1 year of the duration of the benchmark. The fund normally invests at least 80% of its assets in GNMA securities.
## Average annual total returns (%) as of 9/30/23

<table>
<thead>
<tr>
<th></th>
<th>3Q23 (not annualized)</th>
<th>YTD (not annualized)</th>
<th>1 Year</th>
<th>3 Year</th>
<th>5 Years</th>
<th>10 Years</th>
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<tbody>
<tr>
<td><strong>Institutional</strong></td>
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<tr>
<td></td>
<td>-3.79</td>
<td>-1.93</td>
<td>-0.41</td>
<td>-5.12</td>
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<td><strong>Investor A (Without Sales Charge)</strong></td>
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<td></td>
<td>-3.84</td>
<td>-2.22</td>
<td>-0.65</td>
<td>-5.36</td>
<td>-1.19</td>
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<tr>
<td><strong>Investor A (With Sales Charge)</strong></td>
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<tr>
<td></td>
<td>-7.68</td>
<td>-6.13</td>
<td>-4.62</td>
<td>-6.64</td>
<td>-1.99</td>
<td>-0.35</td>
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<tr>
<td><strong>Morningstar Intermediate Government Category Avg.</strong></td>
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<td>-1.67</td>
<td>-0.49</td>
<td>-5.20</td>
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<td><strong>BBG GNMA MBS</strong></td>
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<tr>
<td></td>
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<td>-1.77</td>
<td>0.29</td>
<td>-4.64</td>
<td>-0.68</td>
<td>0.58</td>
</tr>
</tbody>
</table>

Expenses for Institutional shares: Total **0.72%**; Net, Including Investment Related Expenses (dividend expense, interest expense, acquired fund fees and expenses and certain other fund expenses) **0.55%**. For Investor A shares: Total **0.98%**; Net, Including Investment Related Expenses **0.80%**. Institutional and Investor A shares have contractual waivers with an end date of 06/30/2024 terminable upon 90 days’ notice. For certain share classes, BlackRock may voluntarily agree to waive certain fees and expenses in which the adviser may discontinue at any time without notice. Expenses stated as of the fund’s most recent prospectus. Data represents past performance and is no guarantee of future results. Investment returns and principal values may fluctuate so that an investor’s shares, when redeemed, may be worth more or less than their original cost. All returns assume reinvestment of dividends and capital gains. Current performance may be lower or higher than that shown. Refer to blackrock.com for most recent month-end performance. Investment returns reflect total fund operating expenses, net of all fees, waivers and/or expense reimbursements. Index performance is shown for illustrative purposes only. It is not possible to invest directly in an unmanaged index. Share classes have different sales charges, fees and other features. Returns with sales charge reflect deduction of current maximum initial sales charge of 4% for Investor A shares. Institutional shares have no front- or back-end load. Institutional shares have limited availability and may be purchased at various minimums. See prospectus for details. Net Expenses Excluding Investment Related Expenses for Institutional shares: **0.42%**, for Investor A shares: **0.67%**.

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**Important Risks:** The fund is actively managed and its characteristics will vary. Holdings shown should not be deemed as a recommendation to buy or sell securities. Bond values fluctuate in price so the value of your investment can go down depending on market conditions. Fixed income risks include interest-rate and credit risk. Typically, when interest rates rise, there is a corresponding decline in bond values. Credit risk refers to the possibility that the bond issuer will not be able to make principal and interest payments. Principal of mortgage- or asset-backed securities normally may be prepaid at any time, reducing the yield and market value of those securities. The fund may use derivatives to hedge its investments or to seek to enhance returns. Derivatives entail risks relating to liquidity, leverage and credit that may reduce returns and increase volatility.

The opinions expressed are those of the fund’s portfolio management team as of September 30, 2023, and may change as subsequent conditions vary. Information and opinions are derived from proprietary and nonproprietary sources deemed by BlackRock to be reliable, are not necessarily all-inclusive and are not guaranteed as to accuracy.

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1 The Bloomberg GNMA MBS Index comprises GNMA mortgage-backed pass-through securities.

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10/23 — GNMA Fund

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