

BLACKROCK MUNIASSETS FUND, INC.
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FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-07642

Name of Fund: BlackRock MuniAssets Fund, Inc. (MUA)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniAssets Fund, Inc., 55 East 52nd Street,
New York, NY 10055

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Date of fiscal year end: 04/30/2011

Date of reporting period: 04/30/2011

Item 1 – Report to Stockholders

April 30, 2011

Annual Report

BlackRock MuniAssets Fund, Inc. (MUA)

BlackRock MuniEnhanced Fund, Inc. (MEN)

BlackRock MuniHoldings Fund, Inc. (MHD)

BlackRock MuniHoldings Fund II, Inc. (MUH)

BlackRock MuniHoldings Quality Fund, Inc. (MUS)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

BlackRock MuniVest Fund II, Inc. (MVT)

Not FDIC Insured § No Bank Guarantee § May Lose Value

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Dear Shareholder

Time and again, we have seen how various global events and developing trends can have significant influence on financial markets. I hope you find that the following review of recent market conditions provides additional perspective on the performance of your investments as you read this shareholder report.

Over the past 12 months, we have seen a sluggish, stimulus-driven economic recovery at long last gain real traction, accelerate, and transition into a consumption-driven expansion. For the most part, 2010 was plagued with widely fluctuating economic data, but as the year drew to a close, it became clear that cyclical stimulus had beaten out structural problems as economic data releases generally became more positive and financial markets showed signs of continuing improvement. Although the sovereign debt crisis in Europe and high inflation in developing markets that troubled the global economy in 2010 remain challenges today, overall investor confidence has improved considerably. During the first four months of 2011, that confidence was shaken by political turmoil in the Middle East/North Africa region, soaring prices of oil and other commodities, tremendous natural disasters in Japan and a change in the ratings outlook for US debt. However, strong corporate earnings prevailed and financial markets resumed their course while the global economy continued to garner strength.

Equity markets experienced uneven growth and high volatility in 2010, but ended the year with gains. Following a strong start to 2011, the series of confidence-shaking events brought spurts of heightened volatility to markets worldwide, but was not enough to derail the bull market. Overall, global equities posted strong returns over the past 12 months. Emerging market equities, which had outperformed developed markets earlier in the period, fell prey to heightened inflationary pressures and underperformed developed markets later in the period. In the United States, strong corporate earnings and positive signals from the labor market were sources of encouragement for equity investors, although the housing market did not budge from its slump. Early in 2011, the US Federal Reserve announced that it would continue its Treasury purchase program (QE2) through to completion and keep interest rates low for an extended period. This compelled investors to continue buying riskier assets, furthering the trend of small cap stocks outperforming large caps.

While fixed income markets saw yields trend lower (pushing bond prices higher) through most of 2010, the abrupt reversal in investor sentiment and risk tolerance in the fourth quarter drove yields sharply upward. Global credit markets were surprisingly resilient in the face of recent headwinds and yields regained relative stability as the period came to a close. Yield curves globally remained steep by historical standards and higher-risk sectors continued to outperform higher-quality assets. The tax-exempt municipal market enjoyed a powerful rally during the period of low yields in 2010, but when that trend reversed, the market was dealt an additional blow as it became evident that the Build America Bond program would not be extended. Meanwhile, municipal finance troubles raised credit concerns among investors and tax-exempt mutual funds experienced heavy outflows, resulting in wider spreads and falling prices. The new year brought relief from these headwinds and a rebound in the tax-exempt municipal market.

Cash investments, as represented by the 3-month Treasury bill, returned only a fraction over 0% for the 12-month period as short-term interest rates remained low. Yields on money market securities remain near all-time lows.

Risk Assets Rallied on Growing Investor Confidence: Total Returns as of April 30, 2011

	6-month	12-month
US large cap equities (S&P 500® Index)	16.36%	17.22%
US small cap equities (Russell 2000® Index)	23.73	22.20
International equities (MSCI Europe, Australasia, Far East Index)	12.71	19.18
Emerging market equities (MSCI Emerging Markets Index)	9.74	20.67
3-month Treasury bill (BofA Merrill Lynch 3-Month Treasury Bill Index)	0.09	0.17
US Treasury securities (BofA Merrill Lynch 10-Year US Treasury Index)	(3.85)	6.37
US investment grade bonds (Barclays Capital US Aggregate Bond Index)	0.02	5.36

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Tax-exempt municipal bonds (Barclays Capital Municipal Bond Index)	(1.68)	2.20
US high yield bonds (Barclays Capital US Corporate High Yield 2% Issuer Capped Index)	6.18	13.32

Past performance is no guarantee of future results. Index performance shown for illustrative purposes only. You cannot invest directly in an index.

While no one can peer into a crystal ball and eliminate the uncertainties presented by the economic landscape and financial markets, BlackRock can offer investors the next best thing: partnership with the world's largest asset management firm that delivers consistent long-term investment results with fewer surprises. For additional market perspective and investment insight, visit www.blackrock.com/shareholdermagazine, where you'll find the most recent issue of our award-winning *Shareholder* magazine, as well as its quarterly companion newsletter, *Shareholder Perspectives*. As always, we thank you for entrusting BlackRock with your investments, and we look forward to your continued partnership in the months and years ahead.

Sincerely,

Rob Kapito
President, BlackRock Advisors, LLC

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Municipal Market Overview

For the Period Ended April 30, 2011

Twelve months ago, the municipal yield curve was much flatter than it is today, as investor concerns were focused on the possibility of deflation and a double-dip in the US economy. From April through September 2010, rates moved lower (and prices higher) across the curve, reaching historic lows in August when the yield on 5-year issues touched 1.06%, the 10-year reached 2.18%, and the 30-year was 3.67%. The market took a turn in October, with yields drifting higher (and prices lower) amid a perfect storm of events that ultimately resulted in the worst quarterly performance the municipal market had seen since the Fed tightening cycle of 1994. Treasury yields lost their support as concerns over the US deficit raised the question whether foreign investors would continue to purchase Treasury securities at historically low yields. Municipal valuations also suffered a quick and severe setback as it became evident that the Build America Bond (BAB) program would expire at the end of 2010. The program opened the taxable market to municipal issuers, which had successfully alleviated supply pressure in the traditional tax-exempt marketplace, bringing down yields in that space.

The financial media has been replete with interviews, articles and presentations depicting the stress experienced in municipal finance. This has resulted in a loss of confidence among retail investors, the traditional buyers of individual municipal bonds and mutual funds. From the middle of November through year-end, mutual funds specializing in tax-exempt bonds witnessed weekly outflows averaging over \$2.5 billion. Long-term and high-yield funds saw the greatest redemptions, followed by state-specific funds at a slower, yet still significant, pace. Political uncertainty surrounding the midterm elections and the approach taken by the new Congress on issues such as income tax rates, alternative minimum tax and the previously mentioned BAB expiration exacerbated the situation. All these conditions, combined with the seasonal illiquidity surrounding year-end holidays and dealers closing their fiscal books, sapped willing market participation from the trading community. December brought declining demand for municipal securities with no comparable reduction in supply. As it became evident that the BAB program would be retired, issuers rushed deals to market in the taxable and, to a lesser degree, traditional tax-exempt space. This imbalance in the supply/demand technicals provided the classic market reaction: wider quality spreads and higher bond yields.

Demand usually is strong at the beginning of a new year, but retail investors continued to move away from municipal mutual funds, with AMG Data Services showing \$19.9 billion of redemptions in the first four months of 2011. Since mid-November, outflows persisted for 24 consecutive weeks, totaling \$33.4 billion. Fortunately, lower supply in 2011 is offsetting the decline in demand. According to Thomson Reuters, through April, year-to-date new issuance was down 53% compared to the same period last year. Issuers have been reluctant to bring new deals to the market due to a number of factors, including higher interest rates, fiscal policy changes and a reduced need for municipal borrowing given the acceleration of some issuance into 2010 prior to the BAB program's expiration. Accordingly, estimates for 2011 issuance have ratcheted down more than \$100 billion since the beginning of the year, when the initial consensus was \$350 billion.

Overall, the municipal yield curve steepened during the period from April 30, 2010 to April 30, 2011. As measured by Thomson Municipal Market Data, 30-year yields on AAA-rated municipals rose 53 basis points (bps) to 4.58%, while yields for 5-year maturities rallied by 22 bps to 1.50%, and 10-year maturities rallied by 9 bps to 2.85%. With the exception of the 2- to 5-year range, the spread between maturities increased over the past year, with the greatest increase seen in the 5- to 30-year range, where the spread widened by 75 bps, while overall the slope between 2- and 30-year maturities increased by 66 bps to 402 bps.

The fundamental picture for municipalities will be subject to scrutiny for months to come, as the challenges to state and local budgets are real and need to be addressed with significant cuts to expenses and tax revenue increases. The debates around austerity measures needed to succeed in balancing these budgets are not over whether action needs to be taken, but over the magnitude, approach and political will to accomplish these needs. The heightened attention on municipal finance has the potential to improve this market for the future, especially if these efforts result in greater means toward disclosure and accuracy (and timeliness) of reporting. Progress toward these fundamental changes may be tested in the near future, as California, Illinois and Puerto Rico will soon need to take austerity measures and access financing in the municipal market to address immediate-term fiscal imbalances before their new fiscal year begins in July. As the economy improves, tax receipts for states are rising and have begun to exceed budget projections. BlackRock maintains a constructive view of the municipal market as we look beyond the interim challenges faced by states working to close their June 30 year-end shortfalls.

Fund Summary as of April 30, 2011

BlackRock MuniAssets Fund, Inc.

Fund Overview

BlackRock MuniAssets Fund, Inc. s (MUA) (the Fund) investment objective is to provide high current income exempt from federal income taxes by investing primarily in a portfolio of medium- to lower-grade or unrated municipal obligations, the interest on which, in the opinion of bond counsel, is exempt from federal income taxes. The Fund seeks to achieve its investment objective by investing, under normal market conditions, at least 80% of its assets in municipal bonds exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). The Fund invests at least 65% of its assets in municipal bonds that are rated in the medium to lower categories by nationally recognized rating services (for example, Baa or lower by Moody s Investors Service, Inc. or BBB or lower by Standard & Poor s Corporation) or non-rated securities which are of comparable quality. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

Performance

For the 12 months ended April 30, 2011, the Fund returned (5.17)% based on market price and 2.31% based on net asset value (NAV). For the same period, the closed-end Lipper High Yield Municipal Debt Funds category posted an average return of (1.08)% based on market price and 1.40% based on NAV. All returns reflect reinvestment of dividends. The Fund moved from a premium to NAV to a discount by period end, which accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. The Fund s concentrated holdings in corporate-related industrial development bonds and low exposure to the underperforming tobacco sector contributed positively to performance. Additional benefits were derived from seasoned portfolio holdings with shorter remaining terms to their maturity, which exhibited lower price volatility compared to longer-dated bonds during the period. As interest rates rose and the yield curve steepened in the later part of the period, holdings of longer-dated bonds detracted from performance. In addition, certain investments in development district (special district) bonds hurt returns as scheduled construction fell significantly below expectations due to the continuing slump in real estate values.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

Fund Information

Symbol on New York Stock Exchange (NYSE)	MUA
Initial Offering Date	June 25, 1993
Yield on Closing Market Price as of April 30, 2011 (\$11.27) ¹	6.65%
Tax Equivalent Yield ²	10.23%
Current Monthly Distribution per Common Share ³	\$0.0625
Current Annualized Distribution per Common Share ³	\$0.7500
Leverage as of April 30, 2011 ⁴	5%

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- 1 Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- 2 Tax equivalent yield assumes the maximum federal tax rate of 35%.
- 3 The distribution rate is not constant and is subject to change.
- 4 Represents tender option bond trusts (TOBs) as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques used by the Fund, please see The Benefits and Risks of Leveraging on page 12.

The table below summarizes the changes in the Fund's market price and NAV per share:

	4/30/11	4/30/10	Change	High	Low
Market Price	\$ 11.27	\$ 12.65	(10.91)%	\$ 13.21	\$ 10.90
Net Asset Value	\$ 12.14	\$ 12.63	(3.88)%	\$ 13.12	\$ 11.84

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

Sector Allocations

	4/30/11	4/30/10
Health	27%	29%
Corporate	22	24
Transportation	15	11
County/City/Special District/School District	14	13
Utilities	8	4
Education	6	6
Housing	4	4
State	3	4
Tobacco	1	5

Credit Quality Allocations⁵

	4/30/11	4/30/10
AAA/Aaa	3%	6%
AA/Aa	8	3
A	12	14
BBB/Baa	28	26
BB/Ba	7	8
B	5	7
CCC/Caa	5	4
CC/Ca	1	

Not Rated⁶

31

32

⁵ Using the higher of Standard & Poor's (S&P's) or Moody's Investors Service (Moody's) ratings.

⁶ The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2011 and April 30, 2010, the market value of these securities was \$25,268,218 representing 6% and \$15,867,930 representing 6%, respectively, of the Fund's long-term investments.

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Fund Summary as of April 30, 2011

BlackRock MuniEnhanced Fund, Inc.

Fund Overview

BlackRock MuniEnhanced Fund, Inc. s (MEN) (the Fund) investment objective is to provide shareholders with as high a level of current income exempt from federal income taxes as is consistent with its investment policies and prudent investment management. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal bonds exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). Under normal market conditions, the Fund invests primarily in long-term municipal bonds that are investment grade quality at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

Performance

Effective November 9, 2010, the Fund s investment policy was changed by the removal of the insurance investment policy that required at least 80% of its assets to be invested in insured municipal securities. Accordingly, the Fund was moved from the Lipper Insured Municipal Debt Funds (Leveraged) category into the Lipper General Municipal Debt Funds (Leveraged) category. For the 12 months ended April 30, 2011, the Fund returned (1.44)% based on market price and 0.78% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (0.60)% based on market price and 0.10% based on NAV, and the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of 0.17% based on market price and 0.85% based on NAV. All returns reflect reinvestment of dividends. The Fund s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. The Fund s performance was positively impacted by its shorter duration holdings (those with lower sensitivity to interest rate movements) such as advanced refunded bonds and higher coupon bonds pricing to shorter call dates. Shorter duration securities performed well during the period as the shorter end of the yield curve rallied while long-term rates rose. The Fund also benefited from its exposure to the housing and corporate sectors, which performed well during the period. Detracting from performance was the Fund s exposure to the long end of the yield curve, where interest rates rose sharply. Exposure to lower quality spread sectors also had a negative impact as credit spreads generally widened over the period. The Fund uses interest rate futures contracts to hedge portfolio risk related to movements in interest rates. This strategy had a modestly negative impact on performance during the period.

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Fund Information

Symbol on NYSE	MEN
Initial Offering Date	March 2, 1989
Yield on Closing Market Price as of April 30, 2011 (\$9.99) ¹	6.85%
Tax Equivalent Yield ²	10.54%
Current Monthly Distribution per Common Share ³	\$ 0.057
Current Annualized Distribution per Common Share ³	\$ 0.684

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Leverage as of April 30, 2011⁴

40%

- ¹ Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- ² Tax equivalent yield assumes the maximum federal tax rate of 35%.
- ³ The distribution rate is not constant and is subject to change.
- ⁴ Represents Auction Market Preferred Shares (AMPS) and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to AMPS and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques used by the Fund, please see The Benefits and Risks of Leveraging on page 12.

The table below summarizes the changes in the Fund's market price and NAV per share:

	4/30/11	4/30/10	Change	High	Low
Market Price	\$ 9.99	\$ 10.81	(7.59)%	\$ 11.70	\$ 9.52
Net Asset Value	\$ 10.30	\$ 10.90	(5.50)%	\$ 11.47	\$ 9.54

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

Sector Allocations

	4/30/11	4/30/10
County/City/Special District/School District	29%	28%
Transportation	23	24
State	19	19
Utilities	14	14
Health	6	7
Education	5	3
Corporate	2	2
Housing	2	3

Credit Quality Allocations⁵

	4/30/11	4/30/10
AAA/Aaa	12%	46%
AA/Aa	59	23
A	25	26
BBB/Baa	4	5

⁵ Using the higher of S&P's or Moody's ratings.

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Fund Summary as of April 30, 2011

BlackRock MuniHoldings Fund, Inc.

Fund Overview

BlackRock MuniHoldings Fund, Inc. s (MHD) (the Fund) investment objective is to provide shareholders with current income exempt from federal income taxes. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal bonds exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). The Fund invests, under normal market conditions, at least 75% of its assets in municipal bonds rated investment grade and invests primarily in long-term municipal bonds with a maturity of more than ten years at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

Performance

For the 12 months ended April 30, 2011, the Fund returned (0.21)% based on market price and 0.57% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (0.60)% based on market price and 0.10% based on NAV. All returns reflect reinvestment of dividends. The Fund s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. Security selection and sector allocation among corporates, transportation and education as well as tax-backed issues in the Great Lakes region drove the Fund s positive performance. Additional benefits were derived from seasoned portfolio holdings with shorter remaining terms to their maturity, which exhibited lower price volatility compared to longer-dated bonds during the period. As interest rates rose and the yield curve steepened in the later part of the period, holdings of longer-dated bonds detracted from performance. In addition, the Fund s high exposure to the health care sector and low exposure to tax-backed issues in the Far West and Mid-Atlantic regions had a negative impact on performance. The Fund uses interest rate futures contracts to hedge portfolio risk related to movements in interest rates. This strategy had a modestly negative impact on performance during the period.

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Fund Information

Symbol on NYSE	MHD
Initial Offering Date	May 2, 1997
Yield on Closing Market Price as of April 30, 2011 (\$14.51) ¹	7.48%
Tax Equivalent Yield ²	11.51%
Current Monthly Distribution per Common Share ³	\$0.0905
Current Annualized Distribution per Common Share ³	\$1.0860
Leverage as of April 30, 2011 ⁴	38%

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- 3 The distribution rate is not constant and is subject to change.
- 4 Represents AMPS and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to AMPS and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques used by the Fund, please see The Benefits and Risks of Leveraging on page 12.

The table below summarizes the changes in the Fund's market price and NAV per share:

	4/30/11	4/30/10	Change	High	Low
Market Price	\$ 14.51	\$ 15.70	(7.58)%	\$ 17.05	\$ 13.80
Net Asset Value	\$ 14.67	\$ 15.75	(6.86)%	\$ 16.55	\$ 13.80

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

Sector Allocations

	4/30/11	4/30/10
Health	23%	23%
Transportation	16	11
State	12	12
Corporate	12	14
Utilities	11	11
County/City/Special District/School District	10	11
Education	9	9
Housing	6	7
Tobacco	1	2

Credit Quality Allocations⁵

	4/30/11	4/30/10
AAA/Aaa	12%	19%
AA/Aa	40	32
A	22	23
BBB/Baa	13	11
BB/Ba	2	2
B	2	2
CCC/Caa	1	2
Not Rated ⁶	8	9

⁵ Using the higher of S&P's or Moody's ratings.

⁶ The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2011 and April 30, 2010, the market value of these securities was \$3,863,321 representing 1% and \$2,973,600 representing 1%, respectively, of the Fund's long-term investments.

Fund Summary as of April 30, 2011

BlackRock MuniHoldings Fund II, Inc.**Fund Overview**

BlackRock MuniHoldings Fund II, Inc. s (MUH) (the Fund) investment objective is to provide shareholders with current income exempt from federal income taxes. The Fund seeks to achieve its investment objective by investing, under normal market conditions, at least 80% of its assets in municipal bonds exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). The Fund invests, under normal market conditions, at least 75% of its assets in municipal bonds rated investment grade and invests primarily in long-term municipal bonds with a maturity of more than ten years at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund's investment objective will be achieved.

Performance

For the 12 months ended April 30, 2011, the Fund returned (2.14)% based on market price and 0.92% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (0.60)% based on market price and 0.10% based on NAV. All returns reflect reinvestment of dividends. The Fund moved from a premium to NAV to a discount by period end, which accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. Security selection and sector allocation among corporates, transportation and housing as well as tax-backed issues in the Great Lakes region drove the Fund's positive performance. Additional benefits were derived from seasoned portfolio holdings with shorter remaining terms to their maturity, which exhibited lower price volatility compared to longer-dated bonds during the period. As interest rates rose and the yield curve steepened in the later part of the period, holdings of longer-dated bonds detracted from performance. In addition, the Fund's high exposure to the health care sector and low exposure to tax-backed issues in the Far West and Mid-Atlantic regions had a negative impact on performance. The Fund uses interest rate futures contracts to hedge portfolio risk related to movements in interest rates. This strategy had a modestly negative impact on performance during the period.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

Fund Information

Symbol on NYSE	MUH
Initial Offering Date	February 27, 1998
Yield on Closing Market Price as of April 30, 2011 (\$13.35) ¹	7.33%
Tax Equivalent Yield ²	11.28%
Current Monthly Distribution per Common Share ³	\$0.0815
Current Annualized Distribution per Common Share ³	\$0.9780
Leverage as of April 30, 2011 ⁴	37%

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- 1 Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- 2 Tax equivalent yield assumes the maximum federal tax rate of 35%.
- 3 The distribution rate is not constant and is subject to change.
- 4 Represents AMPS and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to AMPS and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques used by the Fund, please see The Benefits and Risks of Leveraging on page 12.

The table below summarizes the changes in the Fund's market price and NAV per share:

	4/30/11	4/30/10	Change	High	Low
Market Price	\$ 13.35	\$ 14.68	(9.06)%	\$ 16.48	\$ 12.27
Net Asset Value	\$ 13.74	\$ 14.65	(6.21)%	\$ 15.39	\$ 12.87

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

Sector Allocations

	4/30/11	4/30/10
Health	22%	21%
Transportation	14	10
County/City/Special District/School District	14	15
Corporate	13	15
State	13	12
Education	9	10
Utilities	9	8
Housing	5	7
Tobacco	1	2

Credit Quality Allocations⁵

	4/30/11	4/30/10
AAA/Aaa	13%	18%
AA/Aa	42	37
A	20	20
BBB/Baa	13	12
BB/Ba	1	2
B	1	1
CCC/Caa	2	2
Not Rated ⁶	8	8

⁵ Using the higher of S&P's or Moody's ratings.

⁶ The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2011 and April 30, 2010, the market value of these securities was \$1,064,679 representing 0% and \$4,406,945 representing 2%, respectively, of the Fund's long-term investments.

Fund Summary as of April 30, 2011

BlackRock MuniHoldings Quality Fund, Inc.

Fund Overview

Effective November 9, 2010, BlackRock MuniHoldings Insured Fund, Inc. changed its name to BlackRock MuniHoldings Quality Fund, Inc.

BlackRock MuniHoldings Quality Fund, Inc. s (MUS) (the Fund) investment objective is to provide shareholders with current income exempt from federal income taxes. The Fund seeks to achieve its investment objective by investing primarily in municipal obligations exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). Under normal market conditions, the Fund invests at least 80% of its assets in investment grade municipal obligations with remaining maturities of one year or more at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

Performance

Effective November 9, 2010, the Fund s investment policy was changed by the removal of the insurance investment policy that required at least 80% of its assets to be invested in insured municipal securities. Accordingly, the Fund was moved from the Lipper Insured Municipal Debt Funds (Leveraged) category into the Lipper General Municipal Debt Funds (Leveraged) category. For the 12 months ended April 30, 2011, the Fund returned (1.60)% based on market price and 0.21% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (0.60)% based on market price and 0.10% based on NAV, and the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of 0.17% based on market price and 0.85% based on NAV. All returns reflect reinvestment of dividends. The Fund moved from a premium to NAV to a discount by period end, which accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. The Fund s holdings of higher quality essential service bonds with high coupon rates (6% or higher) contributed positively to performance as interest rates rose during the period. Higher coupon bonds typically outperform lower coupon bonds in a rising interest rate environment as higher coupon bonds are priced to a shorter call date, while lower coupon bonds are priced to maturity. The Fund maintained a fully invested posture during the period, which enhanced the Fund s total return by boosting its income accrual. Detracting from performance was the Fund s exposure to long duration bonds (those with greater sensitivity to interest rate movements) and long-dated bonds as long-term interest rates rose sharply. The surprise non-extension of the Build America Bond (BAB) program at the end of 2010 put upward pressure on the long end of the yield curve, where most of the BAB supply was issued. Additionally, the yield curve steepened during the period as a result of the general perception among investors that the economy is improving, along with higher inflation expectations. The Fund uses interest rate futures contracts to hedge portfolio risk related to movements in interest rates. This strategy had a modestly negative impact on performance during the period.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

Fund Information

Symbol on NYSE
Initial Offering Date

MUS
May 1, 1998

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Yield on Closing Market Price as of April 30, 2011 (\$12.31) ¹	7.21%
Tax Equivalent Yield ²	11.09%
Current Monthly Distribution per Common Share ³	\$0.074
Current Annualized Distribution per Common Share ³	\$0.888
Leverage as of April 30, 2011 ⁴	42%

¹ Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.

² Tax equivalent yield assumes the maximum federal tax rate of 35%.

³ The distribution rate is not constant and is subject to change.

⁴ Represents AMPS and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to AMPS and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques used by the Fund, please see The Benefits and Risks of Leveraging on page 12.

The table below summarizes the changes in the Fund's market price and NAV per share:

	4/30/11	4/30/10	Change	High	Low
Market Price	\$ 12.31	\$ 13.40	(8.13)%	\$ 14.73	\$ 10.87
Net Asset Value	\$ 12.48	\$ 13.34	(6.45)%	\$ 13.94	\$ 11.54

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

Sector Allocations

	4/30/11	4/30/10
County/City/Special District/School District	26%	33%
Utilities	24	22
Transportation	21	16
State	12	13
Health	9	9
Housing	5	5
Education	2	
Corporate	1	2

Credit Quality Allocations⁵

	4/30/11	4/30/10
AAA/Aaa	9%	58%
AA/Aa	69	16
A	18	24
BBB/Baa	4	1
Not Rated		16

- ⁵ Using the higher of S&P's or Moody's ratings.
- ⁶ The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2010, the market value of these securities was \$2,342,435 representing 1% of the Fund's long-term investments.

Fund Summary as of April 30, 2011

BlackRock Muni Intermediate Duration Fund, Inc.**Fund Overview**

BlackRock Muni Intermediate Duration Fund, Inc. s (MUI) (the Fund) investment objective is to provide common shareholders with high current income exempt from federal income taxes taxes. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal bonds exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). Under normal market conditions, the Fund invests at least 75% of its assets in municipal bonds rated investment grade and invests at least 80% of its assets in municipal bonds with a duration of three to ten years at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

Performance

For the 12 months ended April 30, 2011, the Fund returned 2.41% based on market price and 3.86% based on NAV. For the same period, the closed-end Lipper Intermediate Municipal Debt Funds category posted an average return of 3.14% based on market price and 3.98% based on NAV. All returns reflect reinvestment of dividends. The Fund s discount to NAV, which widened during the period, accounts for the difference between performance based on price and performance based on NAV. The following discussion relates to performance based on NAV. The Fund benefited from its heavy weighting in the tax-backed sector, which was among the strongest performing sectors during the period. A significant exposure to the corporate sector also had a positive impact on performance. The Fund s strong bias toward higher quality issues proved beneficial, as did its holdings issued by New York, which was one of the better performing states during the period. Detracting from performance was the Fund s overexposure to hospital bonds, which underperformed the market, and underexposure to the strong-performing housing sector. Traditionally, municipal bonds issued in high-tax states tend to provide a better store of value and liquidity than lower-taxing states when markets are declining. However, under the current economic conditions, higher-taxing states are more severely impacted by heavy deficits and suffer the most credit deterioration. As a result, the Fund s overexposure to California and New Jersey credits, and the traditionally higher-yielding state of Illinois, negatively impacted returns.

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Fund Information

Symbol on NYSE	MUI
Initial Offering Date	August 1, 2003
Yield on Closing Market Price as of April 30, 2011 (\$13.65) ¹	6.29%
Tax Equivalent Yield ²	9.68%
Current Monthly Distribution per Common Share ³	\$0.0715
Current Annualized Distribution per Common Share ³	\$0.8580
Leverage as of April 30, 2011 ⁴	39%

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- 1 Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- 2 Tax equivalent yield assumes the maximum federal tax rate of 35%.
- 3 The distribution rate is not constant and is subject to change.
- 4 Represents Variable Rate Demand Preferred Shares (VRDP Shares) and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to VRDP Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques used by the Fund, please see The Benefits and Risks of Leveraging on page 12.

The table below summarizes the changes in the Fund's market price and NAV per share:

	4/30/11	4/30/10	Change	High	Low
Market Price	\$ 13.65	\$ 14.13	(3.40)%	\$ 16.17	\$ 12.76
Net Asset Value	\$ 14.45	\$ 14.75	(2.03)%	\$ 15.59	\$ 13.68

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

Sector Allocations

	4/30/11	4/30/10
State	22%	23%
County/City/Special District/School District	21	21
Health	15	12
Corporate	11	12
Transportation	8	8
Education	8	6
Tobacco	7	6
Utilities	5	8
Housing	3	4

Credit Quality Allocations⁵

	4/30/11	4/30/10
AAA/Aaa	14%	28%
AA/Aa	39	25
A	25	23
BBB/Baa	11	11
BB/Ba	1	1
B	1	2
CCC/Caa	1	3
Not Rated ⁶	8	7

- ⁵ Using the higher of S&P's or Moody's ratings.
- ⁶ The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2011 and April 30, 2010, the market value of these securities was \$21,293,420 representing 2% and \$11,900,188 representing 1%, respectively, of the Fund's long-term investments.

Fund Summary as of April 30, 2011

BlackRock MuniVest Fund II, Inc.**Fund Overview**

BlackRock MuniVest Fund II, Inc. s (MVT) (the Fund) investment objective is to provide shareholders with as high a level of current income exempt from federal income taxes as is consistent with its investment policies and prudent investment management. The Fund seeks to achieve its investment objective by investing at least 80% of its assets in municipal bonds exempt from federal income taxes (except that the interest may be subject to the federal alternative minimum tax). The Fund invests, under normal market conditions, at least 75% of its assets in municipal bonds rated investment grade and invests primarily in long-term municipal bonds with a maturity of more than ten years at the time of investment. The Fund may invest directly in such securities or synthetically through the use of derivatives.

No assurance can be given that the Fund s investment objective will be achieved.

Performance

For the 12 months ended April 30, 2011, the Fund returned (1.04)% based on market price and 0.73% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (0.60)% based on market price and 0.10% based on NAV. All returns reflect reinvestment of dividends. The Fund s premium to NAV, which narrowed during the period, accounts for the difference between performance based on price and performance based on NAV. Security selection and sector allocation among corporates and transportation as well as tax-backed issues in the Great Lakes region drove the Fund s positive performance. Additional benefits were derived from seasoned portfolio holdings with shorter remaining terms to their maturity, which exhibited lower price volatility compared to longer-dated bonds during the period. As interest rates rose and the yield curve steepened in the later part of the period, holdings of longer-dated bonds detracted from performance. In addition, the Fund s high exposure to the health care sector and low exposure to tax-backed issues in the Far West and Mid-Atlantic regions had a negative impact on performance. The Fund uses interest rate futures contracts to hedge portfolio risk related to movements in interest rates. This strategy had a modestly negative impact on performance during the period.

The views expressed reflect the opinions of BlackRock as of the date of this report and are subject to change based on changes in market, economic or other conditions. These views are not intended to be a forecast of future events and are no guarantee of future results.

Fund Information

Symbol on NYSE	MVT
Initial Offering Date	March 29, 1993
Yield on Closing Market Price as of April 30, 2011 (\$13.72) ¹	7.74%
Tax Equivalent Yield ²	11.91%
Current Monthly Distribution per Common Share ³	\$0.0885
Current Annualized Distribution per Common Share ³	\$1.0620
Leverage as of April 30, 2011 ⁴	42%

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- ¹ Yield on closing market price is calculated by dividing the current annualized distribution per share by the closing market price. Past performance does not guarantee future results.
- ² Tax equivalent yield assumes the maximum federal tax rate of 35%.
- ³ The distribution rate is not constant and is subject to change.
- ⁴ Represents AMPS and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to AMPS and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques used by the Fund, please see The Benefits and Risks of Leveraging on page 12.

The table below summarizes the changes in the Fund's market price and NAV per share:

	4/30/11	4/30/10	Change	High	Low
Market Price	\$ 13.72	\$ 14.94	(8.17)%	\$ 15.84	\$ 12.30
Net Asset Value	\$ 13.47	\$ 14.41	(6.52)%	\$ 15.12	\$ 12.55

The following charts show the sector and credit quality allocations of the Fund's long-term investments:

Sector Allocations

	4/30/11	4/30/10
Health	25%	22%
Corporate	16	18
Transportation	15	12
State	14	14
Utilities	10	10
County/City/Special District/School District	9	10
Education	7	6
Housing	3	5
Tobacco	1	3

Credit Quality Allocations⁵

	4/30/11	4/30/10
AAA/Aaa	10%	18%
AA/Aa	45	39
A	21	18
BBB/Baa	10	11
BB/Ba	2	
B	2	3
CCC/Caa	1	1
Not Rated ⁶	9	10

⁵ Using the higher of S&P's or Moody's ratings.

⁶ The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2011 and April 30, 2010, the market value of these securities was \$4,588,089 representing 1% and \$5,505,082 representing 1%, respectively, of the Fund's long-term investments.

The Benefits and Risks of Leveraging

The Funds may utilize leverage to seek to enhance the yield and NAV of their common shares (Common Shares). However, these objectives cannot be achieved in all interest rate environments.

To leverage, all of the Funds, except MUA, issue AMPS or VRDP Shares (collectively Preferred Shares), which pay dividends at prevailing short-term interest rates, and invest the proceeds in long-term municipal bonds. In general, the concept of leveraging is based on the premise that the cost of assets to be obtained from leverage, which will be based on short-term interest rates, will normally be lower than the income earned by each Fund on its longer-term portfolio investments. To the extent that the total assets of each Fund (including the assets obtained from leverage) are invested in higher-yielding portfolio investments, each Fund's holders of Common Shares (Common Shareholders) will benefit from the incremental net income.

To illustrate these concepts, assume a Fund's Common Shares capitalization is \$100 million and it issues Preferred Shares for an additional \$50 million, creating a total value of \$150 million available for investment in long-term municipal bonds. If prevailing short-term interest rates are 3% and long-term interest rates are 6%, the yield curve has a strongly positive slope. In this case, the Fund pays dividends on the \$50 million of Preferred Shares based on the lower short-term interest rates. At the same time, the securities purchased by the Fund with assets received from the Preferred Shares issuance earn the income based on long-term interest rates. In this case, the dividends paid to holders of Preferred Shares are significantly lower than the income earned on the Fund's long-term investments, and therefore the Common Shareholders are the beneficiaries of the incremental net income.

If short-term interest rates rise, narrowing the differential between short-term and long-term interest rates, the incremental net income pickup on the Common Shares will be reduced or eliminated completely. Furthermore, if prevailing short-term interest rates rise above long-term interest rates of 6%, the yield curve has a negative slope. In this case, the Fund pays dividends on the higher short-term interest rates whereas the Fund's total portfolio earns income based on lower long-term interest rates.

Furthermore, the value of a Fund's portfolio investments generally varies inversely with the direction of long-term interest rates, although other factors can influence the value of portfolio investments. In contrast, the redemption value of the Funds' Preferred Shares does not fluctuate in relation to interest rates. As a result, changes in interest rates can influence the Funds' NAV positively or negatively in addition to the impact on Fund performance from leverage from Preferred Shares discussed above.

The Funds may also leverage their assets through the use of TOBs, as described in Note 1 of the Notes to Financial Statements. TOB investments generally will provide the Funds with economic benefits in periods of declining short-term interest rates, but expose the Funds to risks during periods of rising short-term interest rates similar to those associated with Preferred Shares issued by the Funds, as described above. Additionally, fluctuations in the market value of municipal bonds deposited into the TOB trust may adversely affect each Fund's NAV per share.

The use of leverage may enhance opportunities for increased income to the Funds and Common Shareholders, but as described above, it also creates risks as short or long-term interest rates fluctuate. Leverage also will generally cause greater changes in the Funds' NAVs, market prices and dividend rates than comparable portfolios without leverage. If the income derived from securities purchased with assets received from leverage exceeds the cost of leverage, the Funds' net income will be greater than if leverage had not been used. Conversely, if the income from the securities purchased is not sufficient to cover the cost of leverage, each Fund's net income will be less than if leverage had not been used, and therefore the amount available for distribution to Common Shareholders will be reduced. Each Fund may be required to sell portfolio securities at inopportune times or at distressed values in order to comply with regulatory requirements applicable to the use of leverage or as required by the terms of leverage instruments, which may cause a Fund to incur losses. The use of leverage may limit each Fund's ability to invest in certain types of securities or use certain types of hedging strategies, such as in the case of certain restrictions imposed by ratings agencies that rate Preferred Shares issued by the Funds. Each Fund will incur expenses in connection with the use of leverage, all of which are borne by Common Shareholders and may reduce income to the Common Shares.

Under the Investment Company Act of 1940, the Funds are permitted to issue Preferred Shares in an amount up to 50% of their total managed assets at the time of issuance. Under normal circumstances, each Fund anticipates that the total economic leverage from Preferred Shares and/or TOBs will not exceed 50% (45% for MUI) of its total managed assets at the time such leverage is incurred. As of April 30, 2011, the Funds had economic leverage from Preferred Shares and/or TOBs as a percentage of their total managed assets as follows:

	Percent of Leverage
MUA	5%
MEN	40%
MHD	38%
MUH	37%
MUS	42%
MUI	39%
MVT	42%

Derivative Financial Instruments

The Funds may invest in various derivative financial instruments, including financial futures contracts, as specified in Note 2 of the Notes to Financial Statements, which may constitute forms of economic leverage. Such instruments are used to obtain exposure to a market without owning or taking physical custody of securities or to hedge market and/or interest rate risks. Such derivative financial instruments involve risks, including the imperfect correlation between the value of a derivative instrument and the underlying asset or illiquidity of the derivative instrument. The Funds' ability to use a derivative instrument successfully depends on the investment advisor's ability to predict pertinent market movements accurately, which cannot be assured. The use of derivative financial instruments may result in losses greater than if they had not been used, may require the Funds to sell or purchase portfolio investments at inopportune times or for distressed values, may limit the amount of appreciation a Fund can realize on an investment, may result in lower dividends paid to shareholders or may cause the Funds to hold an investment that they might otherwise sell. The Funds' investments in these instruments are discussed in detail in the Notes to Financial Statements.

Schedule of Investments April 30, 2011

BlackRock MuniAssets Fund, Inc. (MUA)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 0.7%		
Alabama State Docks Department, Refunding RB, 6.00%, 10/01/40	\$ 2,165	\$ 2,155,972
County of Jefferson Alabama, RB, Series A, 5.25%, 1/01/17	895	818,692
		<u>2,974,664</u>
Alaska 0.6%		
Alaska Industrial Development & Export Authority, RB, Williams Lynxs, Alaska Cargoport, AMT: 7.80%, 5/01/14	395	394,996
8.00%, 5/01/23	2,000	1,999,980
		<u>2,394,976</u>
Arizona 4.5%		
Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.63%, 7/01/20	2,320	1,774,498
Phoenix IDA Arizona, Refunding RB, America West Airlines Inc. Project, AMT, 6.30%, 4/01/23	7,750	6,426,067
Pima County IDA, RB: Arizona Charter Schools Project, Series E, 7.25%, 7/01/31	2,300	2,200,157
Tucson Electric Power Co., Series A, 5.25%, 10/01/40	4,015	3,501,642
Pima County IDA, Refunding RB, Charter Schools II, Series A, 6.75%, 7/01/31	670	605,559
Salt Verde Financial Corp., RB, Senior: 5.00%, 12/01/32	1,840	1,584,958
5.00%, 12/01/37	1,350	1,118,867
Show Low Improvement District, Special Assessment Bonds, District No. 5, 6.38%, 1/01/15	575	575,725
University Medical Center Corp. Arizona, RB: 6.25%, 7/01/29	820	839,918
6.50%, 7/01/39	500	511,055
Yavapai County IDA Arizona, RB, Yavapai Regional Medical Center, Series A, 6.00%, 8/01/33	500	482,700
		<u>19,621,146</u>
Arkansas 0.4%		
County of Little River Arkansas, Refunding RB, Georgia-Pacific Corp. Project, AMT, 5.60%, 10/01/26	1,740	1,599,130
California 4.0%		

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California Statewide Communities Development Authority, Refunding RB:		
American Baptist Homes of the West, 6.25%, 10/01/39	2,175	2,051,221
Senior Living, Southern California, 7.00%, 11/15/29	1,000	1,042,980
Senior Living, Southern California, 7.25%, 11/15/41	3,500	3,660,545

Municipal Bonds	Par (000)	Value
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California (concluded)

City of Fontana California, Special Tax Bonds, Refunding, Community Facilities District No. 22-Sierra, Series H, 6.00%, 9/01/34		
	\$ 2,320	\$ 2,069,440
City of San Jose California, RB, Convention Center Expansion & Renovation Project:		
6.50%, 5/01/36	900	908,559
6.50%, 5/01/42	2,220	2,228,081
State of California, GO, Various Purpose, 6.00%, 3/01/33		
	5,195	5,550,597
		17,511,423

Colorado 1.6%

Colorado Health Facilities Authority, Refunding RB, Total Longterm Care National Obligated Group Project, Series A, 6.00%, 11/15/30		
	610	572,650
E-470 Public Highway Authority, Refunding RB, CAB, 7.08%, 9/01/35 (a)		
	3,695	573,870
Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Tax Increment:		
Public Improvement Fee, 8.00%, 12/01/25	4,850	4,756,492
Subordinate Public Improvement Fee, 8.13%, 12/01/25	1,025	918,431
		6,821,443

Connecticut 2.0%

Connecticut State Development Authority, RB, AFCO Cargo BDL LLC Project, AMT, 8.00%, 4/01/30		
	3,450	2,244,570
Harbor Point Infrastructure Improvement District, Tax Allocation Bonds, Harbor Point Project, Series A, 7.88%, 4/01/39		
	1,865	1,949,522
Mohegan Tribe of Indians of Connecticut, RB, Public Improvement, Priority Distribution:		
6.25%, 1/01/31	4,395	3,464,183
5.25%, 1/01/33 (b)	1,500	1,017,390
		8,675,665

Delaware 1.1%

County of Sussex Delaware, RB, NRG Energy, Inc., Indian River Project, 6.00%, 10/01/40		
	1,000	975,670
Delaware State EDA, RB, Exempt Facilities, Indian River Power, 5.38%, 10/01/45		
	4,225	3,628,050
		4,603,720

Portfolio Abbreviations

To simplify the listings of portfolio holdings in the Schedules of Investments, the names and descriptions of many of the securities have been abbreviated according to the following list:

ACA	ACA Financial Guaranty Corp.
AGC	Assured Guaranty Corp.
AGM	Assured Guaranty Municipal Corp.
AMBAC	American Municipal Bond Assurance Corp.
AMT	Alternative Minimum Tax (subject to)
ARB	Airport Revenue Bonds
BHAC	Berkshire Hathaway Assurance Corp.
CAB	Capital Appreciation Bonds
COP	Certificates of Participation
EDA	Economic Development Authority
EDC	Economic Development Corp.
ERB	Education Revenue Bonds
FGIC	Financial Guaranty Insurance Co.
FHA	Federal Housing Administration
GARB	General Airport Revenue Bonds
GO	General Obligation Bonds
HDA	Housing Development Authority
HFA	Housing Finance Agency
HRB	Housing Revenue Bonds
HUD	U.S. Department of Housing and Urban Development
IDA	Industrial Development Authority
IDB	Industrial Development Board
IDRB	Industrial Development Revenue Bonds
ISD	Independent School District
LRB	Lease Revenue Bonds
M/F	Multi-Family
MRB	Mortgage Revenue Bonds
NPFGC	National Public Finance Guarantee Corp.
PSF-GTD	Permanent School Fund Guaranteed
RB	Revenue Bonds
S/F	Single-Family
SAN	State Aid Notes
TE	Tax Exempt
TIF	Tax Increment Financing

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniAssets Fund, Inc. (MUA)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
District of Columbia 2.9%		
District of Columbia, RB, Methodist Home District of Columbia, Series A:		
7.38%, 1/01/30	\$ 1,665	\$ 1,632,566
7.50%, 1/01/39	2,725	2,662,543
District of Columbia, Refunding RB, Howard University, Series A, 6.50%, 10/01/41	3,725	3,685,776
District of Columbia Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, 6.50%, 5/15/33	1,785	1,744,105
Metropolitan Washington Airports Authority, RB, CAB, 2nd Senior Lien, Series B (AGC) (a):		
6.55%, 10/01/30	7,000	2,002,000
6.77%, 10/01/39	5,000	733,150
		12,460,140
Florida 10.0%		
County of Miami-Dade Florida, Refunding RB, Miami International Airport, Series A-1, 5.38%, 10/01/41	1,065	1,009,620
Greater Orlando Aviation Authority Florida, RB, Special Purpose, JetBlue Airways Corp., AMT, 6.38%, 11/15/26	1,180	1,105,129
Harbor Bay Community Development District Florida, Special Assessment Bonds, Series A, 7.00%, 5/01/33	455	426,954
Hillsborough County IDA, RB, AMT, National Gypsum Co.:		
Series A, 7.13%, 4/01/30	4,500	3,939,795
Series B, 7.13%, 4/01/30	3,100	2,714,081
Jacksonville Economic Development Commission, RB, Gerdau Ameristeel US Inc., AMT, 5.30%, 5/01/37	2,200	1,807,784
Jacksonville Economic Development Commission, Refunding RB, Florida Proton Therapy Institute, Series A, 6.00%, 9/01/17	1,515	1,506,198
Mid-Bay Bridge Authority, RB, Series A, 7.25%, 10/01/40	4,550	4,530,981
Midtown Miami Community Development District, Special Assessment Bonds, Series A:		
6.00%, 5/01/24	1,370	1,284,224
6.25%, 5/01/37	4,605	4,098,818
Palm Beach County Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33	3,500	3,103,800
Santa Rosa Bay Bridge Authority, RB, 6.25%, 7/01/28 (c)(d)	5,180	1,868,530
Sarasota County Health Facilities Authority, Refunding RB, Village On The Isle Project:		
5.50%, 1/01/27	955	833,018
5.50%, 1/01/32	1,345	1,126,142
Sarasota County Public Hospital District, RB, Sarasota Memorial Hospital Project, Series A, 5.63%, 7/01/39	615	614,514
Sumter Landing Community Development District Florida, RB, Sub-Series B, 5.70%, 10/01/38	3,935	2,990,994

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Tampa Palms Open Space & Transportation Community Development District, RB, Capital Improvement, Richmond Place Project, 7.50%, 5/01/18	1,905	1,904,771
Tolomato Community Development District, Special Assessment Bonds, Special Assessment, 6.65%, 5/01/40	4,525	3,011,749
Village Community Development District No. 9, Special Assessment Bonds:		
6.75%, 5/01/31	2,000	2,021,700
7.00%, 5/01/41	3,230	3,285,685
		43,184,487

Georgia 3.4%

City of Atlanta Georgia, Tax Allocation Bonds, Princeton Lakes Project, 5.50%, 1/01/31	1,035	871,366
Clayton County Development Authority, RB, Delta Air Lines Inc. Project, Series A, 8.75%, 6/01/29	3,365	3,707,927
County of Clayton Georgia, Tax Allocation Bonds, Ellenwood Project, 7.50%, 7/01/33	2,780	2,532,302

Municipal Bonds	Par (000)	Value
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Georgia (concluded)

DeKalb County Hospital Authority Georgia, RB, DeKalb Medical Center Inc. Project, 6.13%, 9/01/40	\$ 2,905	\$ 2,629,693
Gainesville & Hall County Development Authority, Refunding RB, Acts Retirement Life Community, Series A-2:		
6.38%, 11/15/29	700	709,856
6.63%, 11/15/39	880	888,237
Rockdale County Development Authority, RB, Visy Paper Project, Series A, AMT, 6.13%, 1/01/34	4,115	3,572,314
		14,911,695

Guam 1.5%

Guam Government Waterworks Authority, Refunding RB, Water, 6.00%, 7/01/25	1,265	1,197,904
Territory of Guam, GO, Series A:		
6.00%, 11/15/19	615	615,388
6.75%, 11/15/29	1,075	1,071,915
7.00%, 11/15/39	1,115	1,139,352
Territory of Guam, RB, Section 30, Series A, 5.63%, 12/01/29	2,460	2,389,496
		6,414,055

Illinois 5.7%

City of Chicago Illinois, Refunding RB, American Airlines Inc. Project, 5.50%, 12/01/30	7,000	5,037,620
Illinois Finance Authority, RB:		
Roosevelt University Project, 6.50%, 4/01/44	4,170	4,152,861
Rush University Medical Center Obligation Group, Series A, 7.25%, 11/01/30	2,000	2,158,060
Rush University Medical Center Obligation Group, Series B, 7.25%, 11/01/30	1,170	1,262,465
Illinois Finance Authority, Refunding RB:		

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CAB, Clare Water Tower, Series B, 0.04%, 5/15/50 (a)	1,500	9,450
Clare Water Tower, Series A-7, 6.13%, 5/15/41	3,500	1,470,350
Friendship Village of Schaumburg, 7.25%, 2/15/45	4,000	3,747,480
Primary Health Care Centers Program, 6.60%, 7/01/24	1,175	998,915
Metropolitan Pier & Exposition Authority, Refunding RB, CAB, McCormick Place Expansion Project, Series B (AGM), 6.25%, 6/15/46 (a)	9,860	912,938
Railsplitter Tobacco Settlement Authority, RB: 5.50%, 6/01/23	1,400	1,350,832
6.00%, 6/01/28	710	682,835
Village of Lincolnshire Illinois, Special Tax Bonds, Sedgebrook Project, 6.25%, 3/01/34	1,825	1,521,904
Village of Wheeling Illinois, Tax Allocation Bonds, North Milwaukee/Lake-Cook TIF Project, 6.00%, 1/01/25	1,465	1,304,143
		24,609,853

Indiana 0.4%

Vigo County Hospital Authority Indiana, RB, Union Hospital Inc. (b):		
5.70%, 9/01/37	1,055	799,996
5.75%, 9/01/42	1,310	976,461
		1,776,457

Kentucky 0.3%

Kentucky Economic Development Finance Authority, Refunding RB, Owensboro Medical Health System, Series A, 6.38%, 6/01/40	1,580	1,499,072
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Louisiana 1.2%

Louisiana Local Government Environmental Facilities & Community Development Authority, RB, Westlake Chemical Corp. Projects, 6.75%, 11/01/32	5,000	5,093,500
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See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniAssets Fund, Inc. (MUA)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Maryland 2.9%		
Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 6/01/35	\$ 3,615	\$ 3,306,641
Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 9/01/25	4,110	3,932,571
Maryland Health & Higher Educational Facilities Authority, RB, Washington Christian Academy, 5.50%, 7/01/38 (c)(d)	1,000	399,530
Maryland Health & Higher Educational Facilities Authority, Refunding RB, Doctor s Community Hospital, 5.75%, 7/01/38	3,110	2,534,059
Maryland State Energy Financing Administration, RB, Cogeneration, AES Warrior Run, AMT, 7.40%, 9/01/19	2,580	2,579,561
		<u>12,752,362</u>
Massachusetts 1.0%		
Massachusetts Development Finance Agency, RB, Foxborough Regional Charter School, Series A, 7.00%, 7/01/42	1,025	1,022,284
Massachusetts Development Finance Agency, Refunding RB:		
Eastern Nazarene College, 5.63%, 4/01/19	40	38,023
Eastern Nazarene College, 5.63%, 4/01/29	80	66,231
Tufts Medical Center, Series I, 6.75%, 1/01/36	1,490	1,475,681
Massachusetts Health & Educational Facilities Authority, RB, Jordan Hospital, Series E, 6.75%, 10/01/33	2,000	1,809,240
		<u>4,411,459</u>
Michigan 2.7%		
Advanced Technology Academy, RB, 6.00%, 11/01/37	1,525	1,206,656
County of Wayne Michigan, GO, Building Improvement, Series A, 6.75%, 11/01/39	900	909,846
Monroe County Hospital Finance Authority, Refunding RB, Mercy Memorial Hospital Corp. Obligation, 5.50%, 6/01/35	3,000	2,482,500
Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, 8.25%, 9/01/39	6,310	7,154,089
		<u>11,753,091</u>
Minnesota 0.4%		
City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series A, 6.75%, 11/15/32	1,785	1,905,327

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Missouri 0.5%

Kirkwood IDA Missouri, RB, Aberdeen Heights, Series A, 8.25%, 5/15/39	2,315	2,333,867
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Multi-State 0.3%

MuniMae TE Bond Subsidiary LLC, 7.50%, 6/30/49 (b)(e)(f)	1,524	1,417,238
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Nevada 0.2%

County of Clark Nevada, Special Assessment Bonds, Special Improvement District No. 142, Local Improvement, 6.38%, 8/01/23	965	956,402
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New Hampshire 0.4%

New Hampshire Health & Education Facilities Authority, RB, Catholic Medical Center, 5.00%, 7/01/36	2,000	1,628,400
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Municipal Bonds	Par (000)	Value
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New Jersey 6.6%

New Jersey EDA, RB: Cigarette Tax, 5.75%, 6/15/29	\$ 1,300	\$ 1,181,505
Continental Airlines Inc. Project, AMT, 6.63%, 9/15/12	4,050	4,081,023
Continental Airlines Inc. Project, AMT, 6.25%, 9/15/19	2,000	1,891,420
Continental Airlines Inc. Project, AMT, 6.40%, 9/15/23	1,000	942,800
Continental Airlines Inc. Project, AMT, 6.25%, 9/15/29	4,330	3,946,752
Continental Airlines Inc. Project, AMT, 9.00%, 6/01/33 (f)	1,250	1,298,700
New Jersey EDA, Refunding RB, Newark Airport Marriott Hotel, 7.00%, 10/01/14	4,000	4,014,680
New Jersey Educational Facilities Authority, Refunding RB, University of Medicine & Dentistry, Series B: 7.13%, 12/01/23	670	763,585
7.50%, 12/01/32	3,575	3,953,485
New Jersey Health Care Facilities Financing Authority, RB: AHS Hospital Corp., 5.50%, 7/01/31 (g)	1,250	1,230,425
Pascack Valley Hospital Association, 6.63%, 7/01/36 (c)(d)	3,870	39
New Jersey Health Care Facilities Financing Authority, Refunding RB, St. Joseph's Healthcare System, 6.63%, 7/01/38	4,090	3,986,523
New Jersey Transportation Trust Fund Authority, RB, CAB, Transportation System, Series C (AMBAC), 5.05%, 12/15/35 (a)	6,210	1,145,683
		28,436,620

New York 6.2%

Chautauqua County Industrial Development Agency, RB, Nrg Dunkirk Power Project, 5.88%, 4/01/42	4,195	3,899,672
Dutchess County Industrial Development Agency New York, RB, St. Francis Hospital, Series B, 7.50%, 3/01/29	1,000	944,630

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Dutchess County Industrial Development Agency New York, Refunding RB, St. Francis Hospital, Series A, 7.50%, 3/01/29	1,400	1,322,482
Metropolitan Transportation Authority, RB, Series 2008C, 6.50%, 11/15/28	5,685	6,389,940
New York City Industrial Development Agency, RB: American Airlines Inc., JFK International Airport, AMT, 8.00%, 8/01/28 (f)	1,765	1,809,619
British Airways Plc Project, AMT, 7.63%, 12/01/32	4,130	4,144,414
Series C, 6.80%, 6/01/28	860	886,737
Special Needs Facilities Pooled Program, Series C-1, 6.50%, 7/01/24	610	554,868
Special Needs Facilities Pooled Program, Series C-1, 6.63%, 7/01/29	1,100	959,915
New York Liberty Development Corp., Refunding RB, Second Priority, Bank of America Tower at One Bryant Park Project, 6.38%, 7/15/49	1,270	1,271,194
Port Authority of New York & New Jersey, RB, JFK International Air Terminal:		
6.00%, 12/01/36	1,340	1,293,261
6.00%, 12/01/42	1,305	1,247,058
Yonkers Industrial Development Agency New York, RB, Sarah Lawrence College Project, Series A, 6.00%, 6/01/41	2,090	2,109,834
		<u>26,833,624</u>

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniAssets Fund, Inc. (MUA)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
North Carolina 1.6%		
North Carolina Medical Care Commission, RB, First Mortgage, Whitestone, Series A:		
7.75%, 3/01/31	\$ 1,000	\$ 998,840
7.75%, 3/01/41	1,420	1,388,320
North Carolina Medical Care Commission, Refunding RB, First Mortgage, Deerfield, Series A, 6.13%, 11/01/38	4,565	4,380,756
		<u>6,767,916</u>
Ohio 1.6%		
Buckeye Tobacco Settlement Financing Authority, RB, Asset-Backed, Senior Series A-2, 5.13%, 6/01/24	3,350	2,579,332
State of Ohio, RB, Ford Motor Co. Project, AMT, 5.75%, 4/01/35	4,880	4,493,358
		<u>7,072,690</u>
Pennsylvania 7.3%		
Allegheny County Hospital Development Authority, Refunding RB, Health System, West Penn, Series A, 5.38%, 11/15/40	5,345	3,972,457
Bucks County IDA, RB, Ann's Choice Inc. Facility, Series A: 6.13%, 1/01/25	1,360	1,275,503
6.25%, 1/01/35	1,550	1,355,165
Cumberland County Municipal Authority, RB, Diakon Lutheran, 6.38%, 1/01/39	6,165	5,996,572
Lancaster County Hospital Authority, RB, Brethren Village Project, Series A: 6.25%, 7/01/26	1,160	1,104,796
6.50%, 7/01/40	1,665	1,548,234
Montgomery County IDA Pennsylvania, MRB, Whitemarsh Continuing Care, 6.13%, 2/01/28	2,330	1,952,866
Pennsylvania Economic Development Financing Authority, RB, National Gypsum Co., Series A, AMT, 6.25%, 11/01/27	3,250	2,687,328
Philadelphia Authority for Industrial Development, RB, AMT: Commercial Development, 7.75%, 12/01/17	8,000	8,003,840
Subordinate, Air Cargo, Series A, 7.50%, 1/01/25	3,870	3,599,642
		<u>31,496,403</u>
Puerto Rico 0.8%		
Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.50%, 8/01/44	2,650	2,764,745
	4,445	683,285

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Puerto Rico Sales Tax Financing Corp., Refunding RB,
CAB, First Sub-Series C, 6.52%, 8/01/38 (a)

3,448,030

Rhode Island 0.8%

Central Falls Detention Facility Corp., Refunding RB,
7.25%, 7/15/35

4,245 3,396,764

South Carolina 0.3%

South Carolina Jobs-EDA, Refunding RB, Palmetto Health,
5.50%, 8/01/26

1,175 1,109,306

Tennessee 0.3%

Knox County Health Educational & Housing Facilities
Board Tennessee, Refunding RB, Covenant, Series A
(AGM), 4.69%, 1/01/40 (a)

5,820 1,010,410

Shelby County Health Educational & Housing Facilities
Board, RB, Village at Germantown, 6.25%, 12/01/34

600 483,702

1,494,112

Texas 12.2%

Bexar County Health Facilities Development Corp., RB,
Army Retirement Residence Project, 6.20%, 7/01/45

5,040 4,852,966

Brazos River Authority, Refunding RB, Texas Utility Co.,
Series, AMT, 7.70%, 4/01/33

5,080 2,135,835

Municipal Bonds

**Par
(000)**

Value

Texas (concluded)

Central Texas Regional Mobility Authority, RB:

CAB, 7.48%, 1/01/28 (a) \$ 1,000 \$ 296,330

CAB, 7.56%, 1/01/29 (a) 2,000 545,360

CAB, 7.65%, 1/01/30 (a) 1,170 293,237

CAB, 7.71%, 1/01/31 (a) 2,000 460,180

CAB, 7.77%, 1/01/32 (a) 3,500 737,030

CAB, 7.78%, 1/01/33 (a) 3,690 714,642

CAB, 7.79%, 1/01/34 (a) 4,000 715,040

Senior Lien, 5.75%, 1/01/25 675 666,144

City of Houston Texas, RB, Special Facilities, Continental
Airlines, Series E, AMT, 6.75%, 7/01/21

4,550 4,457,908

Danbury Higher Education Authority Inc., RB, A.W. Brown
Fellowship Charter, Series A (ACA), 5.13%, 8/15/36

1,000 1,150,790

Harris County Health Facilities Development Corp.,
Refunding RB, Memorial Hermann Healthcare System,
Series B:

7.13%, 12/01/31 1,500 1,629,135

7.25%, 12/01/35 1,110 1,204,061

La Vernia Higher Education Finance Corp., RB, KIPP Inc.,
6.38%, 8/15/44

860 845,320

Love Field Airport Modernization Corp., RB, Southwest
Airlines Co. Project, 5.25%, 11/01/40

4,600 4,005,910

Matagorda County Navigation District No. 1 Texas,
Refunding RB, Central Power & Light Co. Project,
Series A, 6.30%, 11/01/29

2,090 2,172,492

North Texas Tollway Authority, RB:

CAB, Special Projects System, Series B, 7.55%,
9/01/37 (a)

2,110 345,091

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Toll, 2nd Tier, Series F, 6.13%, 1/01/31	4,425	4,520,757
Sabine River Authority Texas, Refunding RB, TXU Electric Co. Project, Series A, Mandatory Put Bonds, 5.50%, 5/01/22 (f)	3,730	3,652,976
Tarrant County Cultural Education Facilities Finance Corp., RB, Series A:		
CC Young Memorial Home, , 8.00%, 2/15/38	1,745	1,692,353
Senior Living Center Project, 8.25%, 11/15/44	4,200	4,034,478
Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien:		
LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40	4,455	4,539,110
NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39	3,935	4,036,917
Texas State Public Finance Authority, Refunding, ERB, KIPP Inc., Series A (ACA):		
5.00%, 2/15/28	2,825	2,492,893
5.00%, 2/15/36	850	698,428
		52,895,383
U.S. Virgin Islands 1.1%		
United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21	5,100	4,933,587
Utah 0.9%		
County of Carbon Utah, Refunding RB, Laidlaw Environmental, Series A, AMT, 7.45%, 7/01/17	3,900	3,909,048
Vermont 0.3%		
Vermont Economic Development Authority, Refunding MRB, Wake Robin Corp. Project, Series A (ACA), 6.30%, 3/01/33	1,600	1,416,896

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniAssets Fund, Inc. (MUA)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Virginia 1.0%		
Dulles Town Center Community Development Authority, Special Assessment Bonds, Dulles Town Center Project, 6.25%, 3/01/26	\$ 3,635	\$ 3,518,716
Fairfax County EDA, Refunding RB, Goodwin House Inc.: 5.13%, 10/01/37	585	501,725
5.13%, 10/01/42	450	378,000
Lexington IDA, Refunding MRB, Kendal at Lexington, Series A, 5.38%, 1/01/28	40	33,066
		<u>4,431,507</u>
Wisconsin 2.1%		
Wisconsin Health & Educational Facilities Authority, RB: New Castle Place Project, Series A, 7.00%, 12/01/31	3,175	2,524,792
Wheaton Franciscan Healthcare, 5.25%, 8/15/34	6,235	5,332,110
Wisconsin Health & Educational Facilities Authority, Refunding RB, St. John's Communities Inc., Series A: 7.25%, 9/15/29	425	419,942
7.63%, 9/15/39	855	851,640
		<u>9,128,484</u>
Total Municipal Bonds 91.8%		<u>398,079,942</u>

**Municipal Bonds Transferred to
Tender Option Bond Trusts (h)**

District of Columbia 1.7%		
District of Columbia Water & Sewer Authority, RB, Series A, 6.00%, 10/01/35	6,681	7,311,551
Florida 3.3%		
County of Miami-Dade Florida, RB, Miami International Airport, Series A, AMT (AGC), 5.25%, 10/01/33	15,000	14,260,050
New York 1.8%		
New York City Municipal Water Finance Authority, Water & Sewer, RB, Second General Resolution, Series EE, 5.50%, 6/15/43	7,605	7,932,877

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Virginia 3.3%		
Virginia HDA, RB, Sub-Series H-1 (NPFGC), 5.38%, 7/01/36	14,400	14,406,336
Total Municipal Bonds Transferred to Tender Option Bond Trusts 10.1%		43,910,814
Total Long-Term Investments (Cost \$463,033,218) 101.9%		441,990,756
Short-Term Securities		
	Shares	
FFI Institutional Tax-Exempt Fund, 0.23% (i)(j)	1,560,240	1,560,240
	Par (000)	
Michigan Finance Authority, RB, SAN, Detroit Schools, Series A-1, 6.45%, 2/02/12	\$ 3,400	3,421,318
Total Short-Term Securities (Cost \$4,960,240) 1.1%		4,981,558
Total Investments (Cost \$467,993,458*) 103.0%		446,972,314
Other Assets Less Liabilities 2.3%		10,036,880
Liability for Trust Certificates, Including Interest Expense and Fees Payable (5.3)%		(23,118,383)
Net Assets 100.0%		\$ 433,890,811

* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 444,123,855
Gross unrealized appreciation	\$ 14,160,930
Gross unrealized depreciation	(34,423,563)
Net unrealized depreciation	\$ (20,262,633)

- (a) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (b) Security exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (c) Issuer filed for bankruptcy and/or is in default of interest payments.

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- (d) Non-income producing security.
- (e) Security represents a beneficial interest in a trust. The collateral deposited into the trust is federally tax-exempt revenue bonds issued by various state or local governments, or their respective agencies or authorities. The security is subject to remarketing prior to its stated maturity.
- (f) Variable rate security. Rate shown is as of report date.
- (g) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
Goldman Sachs	\$ 1,230,425	\$ 2,887

- (h) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.
- (i) Investments in companies considered to be an affiliate of the Fund during the year, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at April 30, 2010	Net Activity	Shares Held at April 30, 2011	Income
FFI Institutional Tax-Exempt Fund	149,925	1,410,315	1,560,240	\$ 4,801

- (j) Represents the current yield as of report date.

Financial futures contracts sold as of April 30, 2011 were as follows:

Contracts	Issue	Exchange	Expiration	Notional Value	Unrealized Depreciation
116	10-Year U.S. Treasury Note	Chicago Board of Trade	June 2011	\$ 13,747,592	\$ (304,720)

See Notes to Financial Statements.

Schedule of Investments (concluded)

BlackRock MuniAssets Fund, Inc. (MUA)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad level for financial statement purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Fund's investments and derivative financial instruments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 441,990,756		\$ 441,990,756
Short-Term Securities	\$ 1,560,240	3,421,318		4,981,558
Total	\$ 1,560,240	\$ 445,412,074		\$ 446,972,314

¹ See above Schedule of Investments for values in each state or political subdivision.

Valuation Inputs	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				
Interest rate contracts	\$ (304,720)			\$ (304,720)

- ² Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

See Notes to Financial Statements.

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ANNUAL REPORT

APRIL 30, 2011

Schedule of Investments April 30, 2011

BlackRock MuniEnhanced Fund, Inc. (MEN)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 1.4%		
County of Jefferson Alabama, RB, Series A:		
5.50%, 1/01/22	\$ 2,750	\$ 2,414,940
4.75%, 1/01/25	2,200	1,771,352
		4,186,292
Alaska 0.6%		
Alaska Housing Finance Corp., RB, General Housing, Series B (NPFGC), 5.25%, 12/01/30		
	400	402,172
Borough of Matanuska-Susitna Alaska, RB, Goose Creek Correctional Center (AGC), 6.00%, 9/01/28		
	1,200	1,330,080
		1,732,252
Arizona 1.6%		
State of Arizona, COP, Department of Administration, Series A (AGM):		
5.00%, 10/01/27	3,250	3,296,735
5.25%, 10/01/28	1,000	1,026,650
5.00%, 10/01/29	400	401,620
		4,725,005
California 23.3%		
Alameda Corridor Transportation Authority, Refunding RB, CAB, Subordinate Lien, Series A (AMBAC) (a):		
5.65%, 10/01/24	10,185	8,160,833
5.57%, 10/01/25	6,000	4,717,260
Anaheim Public Financing Authority California, RB, Senior, Public Improvements Project, Series A (AGM), 6.00%, 9/01/24		
	5,000	5,545,400
Antelope Valley Community College District, GO, Election of 2004, Series B (NPFGC), 5.25%, 8/01/39		
	600	585,792
Cabrillo Community College District, GO, CAB, Election of 2004, Series B (NPFGC), 5.18%, 8/01/37 (b)		
	2,400	384,888
California Health Facilities Financing Authority, Refunding RB:		
St. Joseph Health System, Series A, 5.75%, 7/01/39		
	550	514,404
Sutter Health, Series B, 5.88%, 8/15/31		
	1,200	1,228,776
California State University, RB, Systemwide, Series A (NPFGC), 5.00%, 11/01/35		
	1,405	1,284,620
California State University, Refunding RB, Systemwide, Series A (AGM), 5.00%, 11/01/37		
	2,000	1,817,360
Chino Valley Unified School District, GO, Election of 2002, Series C (NPFGC), 5.25%, 8/01/30		
	850	859,614
	1,420	1,409,577

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City of Redding California, COP, Refunding, Series A (AGM), 5.00%, 6/01/30		
Fresno Unified School District California, GO, Election of 2001, Series E (AGM), 5.00%, 8/01/30	900	869,697
Los Angeles Community College District California, GO, Election of 2001, Series A (AGM), 5.00%, 8/01/32	1,300	1,289,808
Los Angeles Department of Water & Power, RB, Series C (NPFGC), 5.00%, 7/01/29	5,160	5,233,633
Metropolitan Water District of Southern California, RB, Series B-1 (NPFGC):		
5.00%, 10/01/29	2,965	3,011,491
5.00%, 10/01/36	1,655	1,659,799
Norco Redevelopment Agency California, Tax Allocation Bonds, Refunding, Project Area No. 1 (NPFGC), 5.13%, 3/01/30	5,000	4,312,400
Orange County Sanitation District, COP, Series B (AGM):		
5.00%, 2/01/30	1,500	1,536,030
5.00%, 2/01/31	900	918,414
Poway Redevelopment Agency California, Tax Allocation Bonds, Refunding, Paguay Redevelopment Project (AMBAC), 5.13%, 6/15/33	1,750	1,415,243

Municipal Bonds	Par (000)	Value
California (concluded)		
Sacramento Unified School District California, GO, Election of 2002 (NPFGC), 5.00%, 7/01/30	\$ 4,150	\$ 4,155,893
San Diego Unified School District California, GO, CAB, Election of 2008, Series C, 6.85%, 7/01/38 (b)	1,600	253,280
San Joaquin County Transportation Authority, RB, Limited Tax, Measure K, Series A, 6.00%, 3/01/36	2,175	2,293,798
San Mateo County Community College District, GO, CAB, Election of 2001, Series C (NPFGC), 5.53%, 9/01/30 (b)	12,740	3,908,632
State of California, GO:		
5.13%, 6/01/27	20	20,003
5.13%, 6/01/31	60	59,737
Stockton Public Financing Authority California, RB, Parking & Capital Projects (NPFGC), 5.13%, 9/01/30	6,145	5,993,649
Ventura County Community College District, GO, Election of 2002, Series B (NPFGC), 5.00%, 8/01/30	2,325	2,324,814
West Basin Municipal Water District California, COP, Refunding, Series B (AGC), 5.00%, 8/01/30	5,035	5,028,454
		70,793,299

Colorado 1.3%

Colorado Health Facilities Authority, RB, Covenant Retirement Communities, Series A (Radian):		
5.50%, 12/01/27	1,200	1,098,540
5.50%, 12/01/33	675	588,404
Colorado Housing & Finance Authority, Refunding RB, S/F Program, Senior Series A-2, AMT, 7.50%, 4/01/31	315	327,109
Regional Transportation District, COP, Series A, 5.38%, 6/01/31	2,000	2,029,340

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4,043,393

District of Columbia 1.7%

District of Columbia, RB, Series B-1 (NPFGC), 5.00%, 2/01/31	5,530	5,154,790
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Florida 14.6%

Broward County School Board Florida, COP, Series A (AGM), 5.25%, 7/01/33	1,600	1,579,248
City of Tallahassee Florida, RB (NPFGC), 5.00%, 10/01/32	4,000	3,958,360
Collier County School Board, COP (AGM), 5.00%, 2/15/23	3,000	3,080,640
County of Broward Florida, RB, Series A, 5.25%, 10/01/34	850	860,906
County of Duval Florida, COP, Master Lease Program (AGM), 5.00%, 7/01/33	3,000	2,871,900
County of Miami-Dade Florida, GO, Building Better Communities Program, Series B-1, 5.75%, 7/01/33	1,400	1,461,670
County of Miami-Dade Florida, RB, Water & Sewer System (AGM), 5.00%, 10/01/39	4,950	4,803,678
County of Miami-Dade Florida, Refunding RB, Miami International Airport, AMT (AGC), 5.00%, 10/01/40	9,900	8,625,078
County of Orange Florida, Refunding RB, Series B (NPFGC), 5.13%, 1/01/32	4,200	4,139,142
Highlands County Health Facilities Authority, RB, Adventist Health System/Sunbelt, Series B, 6.00%, 11/15/37	1,450	1,482,987
Hillsborough County Aviation Authority Florida, RB, Series A, AMT (AGC), 5.38%, 10/01/33	1,750	1,691,322

See Notes to Financial Statements.

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Schedule of Investments (continued)

BlackRock MuniEnhanced Fund, Inc. (MEN)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Florida (concluded)		
Miami-Dade County School Board, COP, Refunding, Series B (AGC), 5.00%, 5/01/33	\$ 2,000	\$ 1,922,600
Orange County School Board, COP, Series A: (AGC), 5.50%, 8/01/34	3,550	3,577,761
(NPFGC), 5.00%, 8/01/31	2,000	1,977,260
Sarasota County Public Hospital District, RB, Sarasota Memorial Hospital Project, Series A, 5.63%, 7/01/39	275	274,783
South Florida Water Management District, COP (AGC), 5.00%, 10/01/22	2,000	2,081,920
		44,389,255
Georgia 4.1%		
Augusta-Richmond County Georgia, RB (AGM), 5.25%, 10/01/39	2,300	2,312,765
Gwinnett County Hospital Authority, Refunding RB, Gwinnett Hospital System, Series D (AGM), 5.50%, 7/01/41	825	793,262
Municipal Electric Authority of Georgia, Refunding RB, Series EE (AMBAC), 7.00%, 1/01/25	7,475	9,384,713
		12,490,740
Illinois 22.5%		
Chicago Board of Education Illinois, GO, Refunding, Series A: (AGM), 5.50%, 12/01/31	3,000	3,231,600
Chicago School Reform Board, (NPFGC), 5.50%, 12/01/26	1,000	1,008,140
Chicago Park District, GO, Harbor Facilities, Series C, 5.25%, 1/01/40	550	547,536
City of Chicago Illinois, ARB, General, Third Lien, Series B-2, AMT: (AGM), 5.75%, 1/01/23	5,670	5,813,167
(Syncora), 6.00%, 1/01/29	2,500	2,529,200
City of Chicago Illinois, RB, Series A (AGC), 5.00%, 1/01/38	2,000	1,906,460
City of Chicago Illinois, Refunding RB, General Airport, Third Lien, Series A, AMT (NPFGC), 5.75%, 1/01/21	9,000	9,052,200
County of Cook Illinois, GO, Capital Improvement, Series C (AMBAC), 5.50%, 11/15/12 (c)	2,460	2,648,387
County of Cook Illinois, GO, Refunding, Series A, 5.25%, 11/15/33	1,350	1,350,972
Illinois Municipal Electric Agency, RB, Series A (NPFGC), 5.25%, 2/01/35	1,000	987,880
	20,120	20,000,890

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Illinois Sports Facilities Authority, RB, State Tax Supported (AMBAC), 5.50%, 6/15/30		
Metropolitan Pier & Exposition Authority, RB, CAB, McCormick Place Expansion Project, Series A (NPFGC), 5.96%, 12/15/33 (b)	9,950	2,274,271
Metropolitan Pier & Exposition Authority, Refunding RB, CAB, McCormick Place Expansion Project, Series B (AGM) (b):		
5.83%, 6/15/27	1,300	498,693
6.25%, 6/15/44	3,450	368,150
Railsplitter Tobacco Settlement Authority, RB, 6.00%, 6/01/28	675	649,174
Regional Transportation Authority, RB, Series A (AMBAC), 7.20%, 11/01/20	9,480	11,238,540
State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/34	4,400	4,256,736
		68,361,996

Municipal Bonds	Par (000)	Value
Indiana 1.0%		
Indiana Municipal Power Agency, RB, Series B, 5.75%, 1/01/34	\$ 400	\$ 404,100
Indianapolis Local Public Improvement Bond Bank, Refunding RB, Waterworks Project, Series A (AGC):		
5.25%, 1/01/29	600	622,578
5.50%, 1/01/38	1,825	1,854,510
		2,881,188
Iowa 1.9%		
Iowa Finance Authority, RB, Series A (AGC), 5.63%, 8/15/37	5,725	5,756,488
Louisiana 0.4%		
Louisiana Public Facilities Authority, Refunding RB, Christus Health, Series B (AGC), 6.50%, 7/01/30	1,250	1,349,975
Massachusetts 2.5%		
Massachusetts HFA, RB, AMT (AGM):		
Rental Mortgage, Series F, 5.25%, 1/01/46	1,700	1,611,753
S/F Housing, Series 128, 4.80%, 12/01/27 (d)	1,600	1,509,664
Massachusetts HFA, Refunding RB, AMT:		
Rental Housing, Series A (AGM), 5.15%, 7/01/26	655	669,076
Series C, 5.35%, 12/01/42	1,150	1,050,640
Massachusetts Water Resources Authority, Refunding RB, General, Series A (NPFGC), 5.00%, 8/01/34	2,700	2,747,655
		7,588,788
Michigan 5.1%		
City of Detroit Michigan, RB, Series B:		
Second Lien, (AGM), 6.25%, 7/01/36	400	425,720
Second Lien, (AGM), 7.00%, 7/01/36	200	224,126
Senior Lien, (AGM), 7.50%, 7/01/33	700	816,669

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System, Second Lien, (NPFGC), 5.00%, 7/01/36	3,600	3,203,496
City of Detroit Michigan, Refunding RB, Second Lien, Series E (BHAC), 5.75%, 7/01/31	2,500	2,555,725
Kalamazoo Hospital Finance Authority, RB, Bronson Methodist Hospital (AGM), 5.25%, 5/15/36	425	395,900
Michigan Higher Education Student Loan Authority, Refunding RB, Student Loan, Series XVII-G, AMT (AMBAC), 5.20%, 9/01/20	1,500	1,507,710
Michigan State HDA, RB, Series C, AMT, 5.50%, 12/01/28	1,100	1,059,157
Michigan Strategic Fund, Refunding RB, Detroit Edison Co. Project, AMT (Syncora):		
Series A, 5.50%, 6/01/30	1,300	1,245,140
Series C, 5.45%, 12/15/32	4,300	4,045,483
		15,479,126

Minnesota 0.9%

City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series B (AGC), 6.50%, 11/15/38	2,500	2,663,700
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Nevada 5.2%

City of Carson City Nevada, RB, Carson-Tahoe Hospital Project, Series A (Radian), 5.50%, 9/01/33	3,100	2,675,052
City of Las Vegas Nevada, GO, Limited Tax, Performing Arts Center, 6.00%, 4/01/34	850	902,717

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniEnhanced Fund, Inc. (MEN)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Nevada (concluded)		
County of Clark Nevada, RB:		
Las Vegas-McCarran International Airport, Series A (AGC), 5.25%, 7/01/39	\$ 3,800	\$ 3,566,338
Southwest Gas Corp. Project, Series A, AMT (FGIC), 4.75%, 9/01/36	75	60,991
Southwest Gas Corp. Project, Series D, AMT (NPFGC), 5.25%, 3/01/38	1,200	1,060,992
Subordinate Lien, Series A-2 (NPFGC), 5.00%, 7/01/30	1,500	1,421,925
Subordinate Lien, Series A-2 (NPFGC), 5.00%, 7/01/36	3,200	2,898,304
System, Subordinate Lien, Series C (AGM), 5.00%, 7/01/26	1,475	1,471,784
Las Vegas Valley Water District, GO, Refunding, Series A (NPFGC), 5.00%, 6/01/24	1,600	1,660,752
		15,718,855
New Jersey 9.1%		
New Jersey EDA, RB:		
Cigarette Tax (Radian), 5.50%, 6/15/31	600	523,998
Cigarette Tax (Radian), 5.75%, 6/15/34	305	270,169
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/31	9,325	9,337,775
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33	7,800	7,748,910
School Facilities Construction, Series O, 5.13%, 3/01/28	2,250	2,258,010
School Facilities Construction, Series Z (AGC), 6.00%, 12/15/34	2,000	2,108,560
New Jersey EDA, Refunding RB, School Facilities Construction, Series N-1 (AGM), 5.50%, 9/01/25	5,000	5,348,700
		27,596,122
New York 3.9%		
Erie County Industrial Development Agency, RB, City School District of Buffalo Project, Series A (AGM), 5.75%, 5/01/28		
	1,500	1,615,680
Metropolitan Transportation Authority, RB, Series 2008C, 6.50%, 11/15/28	4,000	4,496,000
New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-4:		
5.50%, 1/15/33	1,600	1,662,992
5.50%, 1/15/34	2,750	2,852,905

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New York State Dormitory Authority, ERB, Series B, 5.75%, 3/15/36	1,200	1,296,024
		11,923,601

North Carolina 0.5%

North Carolina Medical Care Commission, RB, Novant Health Obligation, Series A, 4.75%, 11/01/43	1,700	1,375,096
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Ohio 0.5%

County of Lucas Ohio, Refunding RB, Promedica Healthcare, Series A, 6.50%, 11/15/37	530	552,991
Ohio Higher Educational Facility Commission, Refunding RB, Summa Health System, 2010 Project (AGC), 5.25%, 11/15/40	1,025	964,013
		1,517,004

Municipal Bonds	Par (000)	Value
Pennsylvania 1.4%		
Pennsylvania HFA, Refunding RB, Series 99A, AMT, 5.25%, 10/01/32	\$ 1,500	\$ 1,458,585
Pennsylvania Turnpike Commission, RB: CAB, Sub-Series E, 6.48%, 12/01/38 (a)	2,750	1,899,040
Subordinate, Special Motor License Fund, 6.00%, 12/01/36	575	617,895
Philadelphia School District, GO, Series E, 6.00%, 9/01/38	400	413,372
		4,388,892

Puerto Rico 1.9%

Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.38%, 8/01/39	3,200	3,316,864
Puerto Rico Sales Tax Financing Corp., Refunding RB: CAB, Series A (NPFGC), 5.69%, 8/01/41 (b)	8,500	1,135,600
First Sub-Series C, 6.00%, 8/01/39	1,180	1,183,186
		5,635,650

Rhode Island 0.8%

Rhode Island Health & Educational Building Corp., Refunding RB, Public Schools Financing Program, Series E (AGC), 6.00%, 5/15/29	2,375	2,548,541
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South Carolina 1.4%

South Carolina Jobs-EDA, Refunding RB, Palmetto Health, Series A (AGM), 6.50%, 8/01/39 (e)	240	243,557
South Carolina State Public Service Authority, RB, Santee Cooper, Series A, 5.50%, 1/01/38	1,000	1,048,340
South Carolina Transportation Infrastructure Bank, RB, Series A, 5.25%, 10/01/40	3,000	2,960,040
		4,251,937

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Tennessee 1.8%

Knox County Health Educational & Housing Facilities Board Tennessee, Refunding RB, Covenant Health, Series A, 5.04%, 1/01/38 (b)	600	103,806
Metropolitan Government of Nashville & Davidson County Health & Educational Facilities Board, Refunding RB, Vanderbilt University, Series B, 5.50%, 10/01/29	5,000	5,497,850
		<u>5,601,656</u>

Texas 12.4%

City of Houston Texas, Refunding RB, Combined, First Lien, Series A (AGC):		
6.00%, 11/15/35	2,100	2,300,193
5.38%, 11/15/38	1,350	1,391,270
Dallas-Fort Worth International Airport Facilities Improvement Corp., RB, Series A, AMT (NPFGC), 5.50%, 11/01/33	13,000	12,465,960
Lewisville ISD Texas, GO, Refunding, CAB, School Building (NPFGC), 4.67%, 8/15/24 (b)	4,475	2,339,664
Mansfield ISD Texas, GO, School Building (PSF-GTD), 5.00%, 2/15/33	1,725	1,775,543
North Texas Tollway Authority, RB (AGC), System, First Tier:		
Series K-1, 5.75%, 1/01/38	3,800	3,841,914
Series K-2, 6.00%, 1/01/38	4,015	4,111,159
North Texas Tollway Authority, Refunding RB, First Tier:		
Series A, 6.00%, 1/01/28	2,795	2,951,017
System, (NPFGC), 5.75%, 1/01/40	1,600	1,553,936
Texas State Turnpike Authority, RB, First Tier, Series A (AMBAC), 5.50%, 8/15/39	5,150	4,827,455
		<u>37,558,111</u>

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniEnhanced Fund, Inc. (MEN)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Utah 1.7%		
Utah Transit Authority, RB, Series A (AGM), 5.00%, 6/15/36	\$ 5,000	\$ 5,056,450
Virginia 0.5%		
Virginia HDA, RB, Sub-Series H-1 (NPFGC), 5.35%, 7/01/31	1,530	1,530,536
Washington 1.4%		
Washington Health Care Facilities Authority, RB, Providence Health & Services, Series A: 5.00%, 10/01/39	900	799,119
5.25%, 10/01/39	625	576,556
Washington Health Care Facilities Authority, Refunding RB, Providence Health, Series D (AGM), 5.25%, 10/01/33	2,800	2,785,272
		4,160,947
Wisconsin 0.4%		
Wisconsin Health & Educational Facilities Authority, RB, Ascension Health Senior Credit Group, 5.00%, 11/15/33	1,375	1,293,518
Total Municipal Bonds 125.8%		381,753,203

**Municipal Bonds Transferred to
Tender Option Bond Trusts (f)**

Arizona 0.4%		
Phoenix Civic Improvement Corp., RB, Junior Lien, Series A, 5.00%, 7/01/34	1,200	1,222,488
California 5.5%		
Anaheim Public Financing Authority California, RB, Electric System Distribution Facilities, Series A (AGM), 5.00%, 10/01/31	959	957,023
Los Angeles Community College District California, GO, Election of 2001, Series A (AGM), 5.00%, 8/01/32	2,500	2,480,400
Orange County Sanitation District, COP (NPFGC), 5.00%, 2/01/33	7,458	7,482,947
San Diego Community College District California, GO, Election of 2002, 5.25%, 8/01/33	404	410,538

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San Diego County Water Authority, COP, Refunding, Series 2008-A (AGM), 5.00%, 5/01/33	2,810	2,813,288
Tamalpais Union High School District California, GO, Election of 2001 (AGM), 5.00%, 8/01/28	1,605	1,608,290
University of California, RB, Series O, 5.75%, 5/15/34	840	893,869
		<u>16,646,355</u>

Colorado 0.3%

Colorado Health Facilities Authority, Refunding RB, Catholic Health, Series A, 5.50%, 7/01/34	900	900,859
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District of Columbia 1.0%

District of Columbia, RB, Series A, 5.50%, 12/01/30	1,005	1,093,058
District of Columbia Water & Sewer Authority, RB, Series A, 6.00%, 10/01/35	1,770	1,937,342
		<u>3,030,400</u>

Florida 6.0%

City of Tallahassee Florida Energy System, RB (NPFGC), 5.00%, 10/01/37	7,500	7,285,500
Florida State Board of Education, GO, Series D, 5.00%, 6/01/37	1,349	1,361,360
Miami-Dade County School Board, COP, Refunding, Series B (AGC), 5.00%, 5/01/33	10,000	9,613,000
		<u>18,259,860</u>

**Municipal Bonds Transferred to
Tender Option Bond Trusts (f)**

	Par (000)	Value
Georgia 5.7%		
City of Atlanta Georgia, RB, General, Series B (AGM), 5.25%, 1/01/33	\$ 17,356	\$ 17,369,826
Illinois 0.6%		
Illinois State Toll Highway Authority, RB, Series B, 5.50%, 1/01/33	1,880	1,900,429
Louisiana 1.8%		
State of Louisiana Gas & Fuels, RB, Series A (AGM), 5.00%, 5/01/36	5,400	5,400,000
Massachusetts 3.6%		
Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30	10,600	10,857,853
Nevada 3.5%		
City of Las Vegas Nevada, GO, Limited Tax, Performing Arts Center, 6.00%, 4/01/39	3,778	3,989,397
Clark County Water Reclamation District, GO, Series B: 5.50%, 7/01/29	4,499	4,771,549
5.75%, 7/01/34	1,829	1,971,237
		<u>10,732,183</u>

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New Hampshire 2.5%		
New Hampshire Health & Education Facilities Authority, RB, Dartmouth-Hitchcock Obligation (AGM), 5.50%, 8/01/27	7,390	7,557,162
New York 1.9%		
New York City Municipal Water & Sewer Finance Authority, RB, Fiscal 2009, Series A, 5.75%, 6/15/40	1,260	1,351,563
New York State Thruway Authority, RB, Series G (AGM), 5.00%, 1/01/32	3,100	3,118,321
Triborough Bridge & Tunnel Authority, RB, General, Series A-2, 5.25%, 11/15/34	1,300	1,330,017
		<u>5,799,901</u>
Ohio 0.2%		
State of Ohio, RB, Cleveland Clinic Health, Series B, 5.50%, 1/01/34	580	576,978
South Carolina 2.8%		
Charleston Educational Excellence Finance Corp., RB, Charleston County School (AGC):		
5.25%, 12/01/28	3,120	3,184,802
5.25%, 12/01/29	2,765	2,812,171
5.25%, 12/01/30	1,010	1,023,080
South Carolina State Public Service Authority, RB, Santee Cooper, Series A, 5.50%, 1/01/38	1,275	1,336,633
		<u>8,356,686</u>
Texas 0.8%		
Clear Creek ISD Texas, GO, Refunding, School Building (PSF-GTD), 5.00%, 2/15/33	2,200	2,296,690
Virginia 0.1%		
Fairfax County IDA Virginia, Refunding RB, Health Care, Inova Health System, Series A, 5.50%, 5/15/35	350	351,096
Washington 1.4%		
Central Puget Sound Regional Transit Authority, RB, Series A (AGM), 5.00%, 11/01/32	4,004	4,077,605
Wisconsin 0.4%		
Wisconsin Health & Educational Facilities Authority, Refunding RB, Froedtert & Community Health Inc., 5.25%, 4/01/39	1,430	1,308,634
Total Municipal Bonds Transferred to Tender Option Bond Trusts 38.5%		<u>116,645,005</u>
Total Long-Term Investments (Cost \$506,317,873) 164.3%		<u>498,398,208</u>

See Notes to Financial Statements.

Schedule of Investments (concluded)

BlackRock MuniEnhanced Fund, Inc. (MEN)
(Percentages shown are based on Net Assets)

Short-Term Securities	Shares	Value
FBI Institutional Tax-Exempt Fund, 0.23% (g)(h)	3,470,954	\$ 3,470,954
Total Short-Term Securities (Cost \$3,470,954) 1.1%		3,470,954
Total Investments (Cost \$509,788,827*) 165.4%		501,869,162
Other Assets Less Liabilities 1.9%		5,624,385
Liability for Trust Certificates, Including		
Interest Expense and Fees Payable (20.3)%		(61,641,263)
AMPS, at Redemption Value (47.0)%		(142,588,554)
Net Assets Applicable to Common Shares 100.0%		\$ 303,263,730

* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 448,710,246
Gross unrealized appreciation	\$ 8,551,270
Gross unrealized depreciation	(16,975,261)
Net unrealized depreciation	\$ (8,423,991)

- (a) Represents a step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate shown reflects the current yield as of report date.
- (b) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (c) US government securities, held in escrow, are used to pay interest on this security as well as to retire the bond in full at the date indicated, typically at a premium to par.
- (d) Variable rate security. Rate shown is as of report date.
- (e) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value
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		Unrealized Appreciation
Merrill Lynch and Co., Inc.	\$ 243,557	\$ 7,399

- (f) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.
- (g) Investments in companies considered to be an affiliate of the Fund during the year, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at April 30, 2010	Net Activity	Shares Held at April 30, 2011	Income
FFI Institutional Tax-Exempt Fund	7,207,423	(3,736,469)	3,470,954	\$ 9,877

- (h) Represents the current yield as of report date.

Financial futures contracts sold as of April 30, 2011 were as follows:

Contracts	Issue	Exchange	Expiration	Notional Value	Unrealized Depreciation
170	10-Year U.S. Treasury Note	Chicago Board of Trade	June 2011	\$ 20,147,333	\$ (446,573)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad levels for financial statement purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Fund's investments and derivative financial instruments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 498,398,208		\$ 498,398,208
Short-Term Securities	\$ 3,470,954			3,470,954
Total	\$ 3,470,954	\$ 498,398,208		\$ 501,869,162

¹ See above Schedule of Investments for values in each state or political subdivision.

Valuation Inputs	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				
Interest rate contracts	\$ (446,573)			\$ (446,573)

² Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

See Notes to Financial Statements.

Schedule of Investments April 30, 2011

BlackRock MuniHoldings Fund, Inc. (MHD)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 1.9%		
County of Jefferson Alabama, RB, Series A, 5.00%, 1/01/24	\$ 4,550	\$ 3,878,556
Arizona 4.6%		
Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.75%, 7/01/29	2,200	1,449,778
Phoenix IDA Arizona, Refunding RB, America West Airlines Inc. Project, AMT, 6.30%, 4/01/23	2,215	1,836,612
Pima County IDA, Refunding IDR, Tucson Electric Power, 5.75%, 9/01/29	770	767,682
Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00%, 1/01/38	1,370	1,381,508
Salt Verde Financial Corp., RB, Senior: 5.00%, 12/01/32	2,000	1,722,780
5.00%, 12/01/37	2,360	1,955,944
Show Low Improvement District, Special Assessment Bonds, District No. 5, 6.38%, 1/01/15	260	260,328
		9,374,632
Arkansas 0.5%		
County of Little River Arkansas, Refunding RB, Georgia-Pacific Corp. Project, AMT, 5.60%, 10/01/26	1,155	1,061,491
California 16.4%		
Agua Caliente Band of Cahuilla Indians, RB, 5.60%, 7/01/13 (a)	255	248,640
California Health Facilities Financing Authority, Refunding RB:		
St. Joseph Health System, Series A, 5.75%, 7/01/39	1,530	1,430,978
Sutter Health, Series B, 6.00%, 8/15/42	2,200	2,231,042
California State Public Works Board, RB, Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34	820	847,134
California Statewide Communities Development Authority, RB:		
Health Facility, Memorial Health Services, Series A, 6.00%, 10/01/23	3,870	3,972,710
John Muir Health, 5.13%, 7/01/39	1,510	1,365,372
Los Angeles Department of Airports, RB, Series A, 5.25%, 5/15/39	555	552,564
Los Angeles Department of Airports, Refunding RB, Senior, Los Angeles International Airport, Series A, 5.00%, 5/15/40	4,115	3,944,721
Montebello Unified School District California, GO, CAB (NPFGC) (b): 5.63%, 8/01/22	2,405	1,179,508

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5.62%, 8/01/23	2,455	1,088,842
San Diego Unified School District California, GO, CAB, Election of 2008, Series A, 6.06%, 7/01/29 (b)	3,475	1,104,112
San Francisco City & County Public Utilities Commission, RB, Series B, 5.00%, 11/01/39	6,600	6,520,932
State of California, GO, Various Purpose, 6.50%, 4/01/33	8,370	9,194,026

33,680,581

Colorado 2.7%

Colorado Educational & Cultural Facilities Authority, RB, Charter School, Colorado Springs, 5.50%, 7/01/40	1,455	1,281,084
Colorado Health Facilities Authority, Refunding RB, Sisters of Leavenworth, Series A, 5.00%, 1/01/40	1,525	1,392,996
Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Subordinate Public Improvement Fee, Tax Increment, 8.13%, 12/01/25	1,000	896,030
Regional Transportation District, COP, Series A, 5.38%, 6/01/31	710	720,416
University of Colorado, RB, Series A, 5.38%, 6/01/38	1,250	1,280,812

5,571,338

Municipal Bonds	Par (000)	Value
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Connecticut 2.5%

Connecticut State Development Authority, RB, AFCO Cargo BDL LLC Project, AMT, 8.00%, 4/01/30	\$ 2,700	\$ 1,756,620
Connecticut State Health & Educational Facility Authority, RB: Ascension Health Senior Credit, 5.00%, 11/15/40	955	913,820
Wesleyan University, 5.00%, 7/01/35	2,515	2,553,656

5,224,096

Delaware 1.6%

County of Sussex Delaware, RB, NRG Energy, Inc., Indian River Project, 6.00%, 10/01/40	790	770,779
Delaware State EDA, RB, Exempt Facilities, Indian River Power, 5.38%, 10/01/45	2,830	2,430,150

3,200,929

District of Columbia 2.2%

Metropolitan Washington Airports Authority, RB: CAB, Second Senior Lien, Series B (AGC), 7.10%, 10/01/35 (b)	13,485	2,627,687
First Senior Lien, Series A, 5.00%, 10/01/39	505	481,432
First Senior Lien, Series A, 5.25%, 10/01/44	1,470	1,409,686

4,518,805

Florida 8.6%

City of Clearwater Florida, RB, Series A, 5.25%, 12/01/39	1,195	1,199,864
	750	759,622

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County of Broward Florida, RB, Series A, 5.25%, 10/01/34		
County of Miami-Dade Florida, RB:		
CAB, Sub-Series A (NPFGC), 5.24%, 10/01/37 (b)	2,340	351,749
Water & Sewer System, 5.00%, 10/01/34	3,935	3,855,041
County of Miami-Dade Florida, Refunding RB, Miami International Airport, Series A-1, 5.38%, 10/01/41	2,620	2,483,760
Greater Orlando Aviation Authority Florida, RB, Special Purpose, JetBlue Airways Corp., AMT, 6.50%, 11/15/36	2,095	1,888,286
Hillsborough County IDA, RB, National Gypsum Co., Series B, AMT, 7.13%, 4/01/30	1,900	1,663,469
Mid-Bay Bridge Authority, RB, Series A, 7.25%, 10/01/40	1,570	1,563,437
Midtown Miami Community Development District, Special Assessment Bonds, Series B, 6.50%, 5/01/37	2,400	2,206,344
Palm Coast Park Community Development District, Special Assessment Bonds, 5.70%, 5/01/37	665	385,986
Preserve at Wilderness Lake Community Development District, Special Assessment Bonds, Series A, 5.90%, 5/01/34	1,495	1,263,365
		17,620,923
Georgia 2.0%		
DeKalb Private Hospital Authority, Refunding RB, Children s Healthcare, 5.25%, 11/15/39	585	565,677
Metropolitan Atlanta Rapid Transit Authority, RB, Third Series, 5.00%, 7/01/39	2,410	2,409,831
Private Colleges & Universities Authority, Refunding RB, Emory University, Series C, 5.00%, 9/01/38	1,045	1,053,235
		4,028,743
Guam 0.7%		
Territory of Guam, GO, Series A:		
6.00%, 11/15/19	440	440,277
6.75%, 11/15/29	630	628,192
7.00%, 11/15/39	430	439,391
		1,507,860

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Hawaii 0.5%		
State of Hawaii, Refunding RB, Series A, 5.25%, 7/01/30	\$ 945	\$ 953,146
Illinois 7.7%		
City of Chicago Illinois, Refunding RB, General, Third Lien, Series C, 6.50%, 1/01/41 (c)	4,055	4,321,170
City of Chicago Illinois, Special Assessment Bonds, Lake Shore East, 6.75%, 12/01/32	1,200	1,087,800
Illinois Finance Authority, Refunding RB, Central DuPage Health, Series B, 5.50%, 11/01/39	1,115	1,059,696
Illinois HDA, RB, Homeowner Mortgage, Sub-Series C2, AMT, 5.35%, 2/01/27	2,635	2,637,292
Metropolitan Pier & Exposition Authority, Refunding RB McCormick Place Expansion Project (AGM): CAB, Series B, 6.25%, 6/15/47 (b)	13,220	1,135,995
Series B, 5.00%, 6/15/50	2,190	1,910,972
Series B-2, 5.00%, 6/15/50	1,740	1,483,159
Railsplitter Tobacco Settlement Authority, RB: 5.50%, 6/01/23	930	897,338
6.00%, 6/01/28	800	769,392
State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/34	440	425,674
		15,728,488
Indiana 1.8%		
Indiana Finance Authority, RB, Sisters of St. Francis Health, 5.25%, 11/01/39	585	539,633
Indiana Finance Authority, Refunding RB, Parkview Health System, Series A, 5.75%, 5/01/31	2,300	2,314,628
Indiana Municipal Power Agency, RB, Series B, 6.00%, 1/01/39	775	794,530
		3,648,791
Kansas 1.2%		
Kansas Development Finance Authority, Refunding RB: Adventist Health, 5.75%, 11/15/38	1,380	1,424,105
Sisters of Leavenworth, Series A, 5.00%, 1/01/40	1,155	1,104,122
		2,528,227
Kentucky 0.7%		
Kentucky Economic Development Finance Authority, Refunding RB, Owensboro Medical Health System,	700	664,146

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Series A, 6.38%, 6/01/40

Louisville & Jefferson County Metropolitan Sewer District Kentucky, RB, Series A (NPFGC), 5.50%, 5/15/34	700	715,666
		<u>1,379,812</u>

Louisiana 2.2%

East Baton Rouge Sewerage Commission, RB, Series A, 5.25%, 2/01/39	570	576,464
Louisiana Local Government Environmental Facilities & Community Development Authority, RB, Westlake Chemical Corp. Projects, 6.75%, 11/01/32	3,500	3,565,450
New Orleans Aviation Board, Refunding RB, Passenger Facility Charge, Series A, 5.25%, 1/01/41	430	405,937
		<u>4,547,851</u>

Maine 0.1%

Maine Health & Higher Educational Facilities Authority, RB, Series A, 5.00%, 7/01/39	210	200,821
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Municipal Bonds	Par (000)	Value
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Maryland 2.1%

Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 6/01/35	\$ 300	\$ 274,410
Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 9/01/25	580	554,962
Maryland Health & Higher Educational Facilities Authority, Refunding RB, Charlestown Community, 6.25%, 1/01/41	1,520	1,477,911
Maryland State Energy Financing Administration, RB, Cogeneration, AES Warrior Run, AMT, 7.40%, 9/01/19	1,970	1,969,665
		<u>4,276,948</u>

Massachusetts 2.4%

Massachusetts Development Finance Agency, Refunding RB, Boston University, Series P, 5.45%, 5/15/59	1,165	1,115,825
Massachusetts HFA, RB, M/F Housing, Series A, AMT, 5.25%, 12/01/48	2,900	2,553,682
Massachusetts Health & Educational Facilities Authority, Refunding RB, Partners Healthcare, Series J1, 5.00%, 7/01/39	1,255	1,174,065
		<u>4,843,572</u>

Michigan 2.3%

City of Detroit Michigan, RB, Senior Lien, Series B (AGM), 7.50%, 7/01/33	635	740,835
Flint Hospital Building Authority Michigan, Refunding RB, Hurley Medical Center (ACA), 6.00%, 7/01/20	1,245	1,174,471
Kalamazoo Hospital Finance Authority, Refunding RB, Bronson Methodist Hospital, 5.50%, 5/15/36	955	908,912
Michigan State Hospital Finance Authority, Refunding RB, Hospital, Henry Ford Health, 5.75%, 11/15/39	2,105	1,960,323

		4,784,541
Minnesota 1.1%		
City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series A, 6.75%, 11/15/32		
	2,135	2,278,920
Mississippi 0.8%		
Mississippi Development Bank Special Obligation, Refunding RB, Gulfport Water & Sewer System Project (AGM):		
5.25%, 7/01/17	350	389,851
5.25%, 7/01/19	435	472,989
University of Southern Mississippi, RB, Campus Facilities Improvements Project, 5.38%, 9/01/36		
	675	687,892
		1,550,732
Montana 0.5%		
Montana Facility Finance Authority, Refunding RB, Sisters of Leavenworth, Series A, 4.75%, 1/01/40		
	1,075	980,895
New Hampshire 1.5%		
New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth-Hitchcock, 6.00%, 8/01/38		
	3,035	3,167,023
New Jersey 6.6%		
New Jersey EDA, RB:		
Cigarette Tax, 5.75%, 6/15/29	5,385	4,894,157
Continental Airlines Inc. Project, AMT, 6.63%, 9/15/12	1,000	1,007,660
Continental Airlines Inc. Project, AMT, 6.25%, 9/15/29	2,950	2,688,896
New Jersey State Turnpike Authority, RB, Series C (AGM), 5.00%, 1/01/30	3,500	3,531,290
Tobacco Settlement Financing Corp. New Jersey, Refunding RB, Series 1A, 4.50%, 6/01/23	1,770	1,491,119
		13,613,122

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
New York 4.5%		
Dutchess County Industrial Development Agency New York, Refunding RB, St. Francis Hospital, Series A, 7.50%, 3/01/29	\$ 1,000	\$ 944,630
Long Island Power Authority, Refunding RB, Series A, 5.75%, 4/01/39	1,450	1,518,425
Metropolitan Transportation Authority, Refunding RB: Series B, 5.00%, 11/15/34	1,740	1,739,948
Transportation, Series D, 5.25%, 11/15/40	840	822,688
New York City Industrial Development Agency, RB: Continental Airlines Inc. Project, AMT, 8.00%, 11/01/12	300	305,796
Continental Airlines Inc. Project, Mandatory Put Bonds, AMT, 8.38%, 11/01/16	725	749,853
Series C, 6.80%, 6/01/28	535	551,633
New York Liberty Development Corp., Refunding RB, Second Priority, Bank of America Tower at One Bryant Park Project, 6.38%, 7/15/49	850	850,799
Port Authority of New York & New Jersey, RB, JFK International Air Terminal: 6.00%, 12/01/36	900	868,608
6.00%, 12/01/42	875	836,150
		9,188,530
North Carolina 0.4%		
North Carolina Medical Care Commission, RB, Duke University Health System, Series A, 5.00%, 6/01/42	970	923,013
Pennsylvania 7.4%		
Allegheny County Hospital Development Authority, Refunding RB, Health System, West Penn, Series A, 5.38%, 11/15/40	1,510	1,122,247
Bucks County IDA, RB, Ann s Choice Inc. Facility, Series A, 6.25%, 1/01/35	1,700	1,486,310
Montgomery County Higher Education & Health Authority, Refunding RB, Abington Memorial Hospital, Series A, 5.13%, 6/01/33	645	604,081
Pennsylvania Economic Development Financing Authority, RB: American Water Co. Project, 6.20%, 4/01/39	2,520	2,630,275
National Gypsum Co., Series B, AMT, 6.13%, 11/01/27	3,500	2,822,400
Pennsylvania Turnpike Commission, RB, Sub-Series B, 5.25%, 6/01/39	3,775	3,614,600
Philadelphia Authority for Industrial Development, RB: Arbor House Inc. Project, Series E, 6.10%, 7/01/33	1,105	1,008,722

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Commercial Development, AMT, 7.75%, 12/01/17	725	725,348
Saligman House Project, Series C (HUD), 6.10%, 7/01/33	1,245	1,136,523
		15,150,506

Puerto Rico 3.6%

Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series C, 6.00%, 7/01/39	2,070	2,025,743
Puerto Rico Industrial Medical & Environmental Pollution Control Facilities Financing Authority, RB, Special Facilities, American Airlines, Series A, 6.45%, 12/01/25	1,205	986,642
Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.50%, 8/01/44	3,860	4,027,138
Puerto Rico Sales Tax Financing Corp., Refunding RB, CAB, First Sub-Series C, 6.52%, 8/01/38 (b)	2,975	457,317
		7,496,840

Municipal Bonds	Par (000)	Value
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South Carolina 1.1%

South Carolina State Ports Authority, RB, 5.25%, 7/01/40	\$ 2,285	\$ 2,254,587
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Tennessee 2.7%

Educational Funding of the South Inc., RB, Senior, Sub-Series B, AMT, 6.20%, 12/01/21	2,685	2,687,551
Hardeman County Correctional Facilities Corp. Tennessee, RB, 7.75%, 8/01/17	3,025	2,897,738
		5,585,289

Texas 12.8%

Brazos River Authority, Refunding RB, TXU Electric Co. Project, Series C, Mandatory Put Bonds, AMT, 5.75%, 5/01/36 (d)	1,000	979,360
Brazos River Harbor Navigation District, Refunding RB, Dow Chemical Co. Project, Series A7, AMT, 6.63%, 5/15/33	3,655	3,680,219
City of Dallas Texas, Refunding RB, 5.00%, 10/01/35	1,050	1,088,283
City of Houston Texas, RB, Senior Lien, Series A, 5.50%, 7/01/39	1,070	1,083,814
Harris County Health Facilities Development Corp., Refunding RB, Memorial Hermann Healthcare System, Series B, 7.25%, 12/01/35	1,910	2,071,853
La Vernia Higher Education Finance Corp., RB, KIPP Inc., 6.38%, 8/15/44	820	806,003
Matagorda County Hospital District Texas, RB (FHA), 5.00%, 2/15/35	3,500	3,204,005
North Texas Tollway Authority, RB: CAB, Special Projects System, Series B, 7.55%, 9/01/37 (b)	1,400	228,970
Toll, Second Tier, Series F, 6.13%, 1/01/31	4,190	4,280,672
Sabine River Authority Texas, Refunding RB, TXU Electric Co. Project, Series B, Mandatory Put Bonds, AMT, 5.75%, 5/01/30 (d)	250	244,840

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San Antonio Energy Acquisition Public Facility Corp., RB, Gas Supply:		
5.50%, 8/01/24	1,100	1,090,408
5.50%, 8/01/25	1,120	1,104,029
Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien:		
LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40		
	2,990	3,046,451
NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39		
	2,695	2,764,800
Texas State Public Finance Authority, Refunding ERB, KIPP Inc., Series A (ACA), 5.00%, 2/15/36		
	875	718,970
		26,392,677
U.S. Virgin Islands 1.6%		
United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21		
	3,460	3,347,100
Utah 1.1%		
City of Riverton Utah, RB, IHC Health Services Inc., 5.00%, 8/15/41		
	2,525	2,339,615
Vermont 1.1%		
Vermont Educational & Health Buildings Financing Agency, RB, Developmental & Mental Health, Series A, 6.00%, 6/15/17		
	2,370	2,324,686
Virginia 0.8%		
Virginia HDA, RB, Sub-Series H-1 (NPFGC), 5.35%, 7/01/31		
	1,565	1,565,548

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Washington 1.2%		
Seattle Housing Authority Washington, HRB, Replacement Housing Projects, 6.13%, 12/01/32	\$ 1,255	\$ 1,122,045
Washington Health Care Facilities Authority, RB, Swedish Health Services, Series A, 6.75%, 11/15/41	1,375	1,425,655
		<u>2,547,700</u>
Wisconsin 4.6%		
State of Wisconsin, Refunding RB, Series A, 6.00%, 5/01/36	4,980	5,352,803
Wisconsin Health & Educational Facilities Authority, RB: Ascension Health Senior Credit Group, 5.00%, 11/15/33	1,710	1,608,665
New Castle Place Project, Series A, 7.00%, 12/01/31	825	656,048
SynergyHealth Inc., 6.00%, 11/15/32	1,755	1,763,600
		<u>9,381,116</u>
Wyoming 0.1%		
Wyoming Municipal Power Agency, RB, Series A, 5.00%, 1/01/42	210	203,580
Total Municipal Bonds 118.2%		<u>242,851,630</u>

**Municipal Bonds Transferred to
Tender Option Bond Trusts (e)**

California 5.0%		
Bay Area Toll Authority, Refunding RB, San Francisco Bay Area, Series F-1, 5.63%, 4/01/44	2,270	2,344,179
California Educational Facilities Authority, RB, University of Southern California, Series B, 5.25%, 10/01/39	1,845	1,892,785
Los Angeles Community College District California, GO, Election of 2001, Series A (AGM), 5.00%, 8/01/32	1,620	1,607,299
San Diego Community College District California, GO, Election of 2002, 5.25%, 8/01/33	748	760,256
Sequoia Union High School District California, GO, Refunding, Election of 2004, Series B (AGM), 5.50%, 7/01/35	3,494	3,555,325

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		10,159,844
Colorado 2.7%		
Colorado Health Facilities Authority, RB (AGM), Catholic Health:		
Series C-3, 5.10%, 10/01/41	2,580	2,417,434
Series C-7, 5.00%, 9/01/36	1,650	1,552,832
Colorado Health Facilities Authority, Refunding RB, Catholic Health, Series A, 5.50%, 7/01/34	1,490	1,491,422
		5,461,688
Connecticut 3.2%		
Connecticut State Health & Educational Facility Authority, RB, Yale University:		
Series T-1, 4.70%, 7/01/29	3,180	3,261,313
Series X-3, 4.85%, 7/01/37	3,270	3,287,789
		6,549,102
Georgia 1.1%		
Private Colleges & Universities Authority, Refunding RB, Emory University, Series C, 5.00%, 9/01/38		
	2,259	2,277,053
Massachusetts 2.5%		
Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30		
	4,994	5,115,671
New Hampshire 0.7%		
New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth College, 5.25%, 6/01/39		
	1,409	1,459,956
Municipal Bonds Transferred to Tender Option Bond Trusts (e)		
	Par (000)	Value
New York 4.7%		
New York City Municipal Water Finance Authority, RB, Series FF-2, 5.50%, 6/15/40	\$ 1,110	\$ 1,156,856
New York State Dormitory Authority, ERB, Series F, 5.00%, 3/15/35	4,035	4,040,067
Sales Tax Asset Receivable Corp., RB, Series A (AMBAC), 5.25%, 10/15/27	4,240	4,538,924
		9,735,847
North Carolina 0.5%		
North Carolina Capital Facilities Finance Agency, Refunding RB, Wake Forest University, 5.00%, 1/01/38		
	1,080	1,090,897
Ohio 4.7%		
State of Ohio, Refunding RB, Cleveland Clinic Health, Series A, 5.50%, 1/01/39		
	9,650	9,567,879
Tennessee 1.1%		
Shelby County Health Educational & Housing Facilities Board, Refunding RB, St. Jude s Children s Research Hospital, 5.00%, 7/01/31		
	2,250	2,270,250

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Texas 2.2%		
County of Harris Texas, RB, Senior Lien, Toll Road, Series A, 5.00%, 8/15/38	4,620	4,606,001
Virginia 8.2%		
University of Virginia, Refunding RB, General, 5.00%, 6/01/40	3,750	3,837,450
Virginia HDA, RB, Sub-Series H-1 (NPFGC), 5.38%, 7/01/36	10,940	10,944,814
Virginia Small Business Financing Authority, Refunding RB, Sentara Healthcare, 5.00%, 11/01/40	2,094	2,031,567
		16,813,831
Washington 0.9%		
Central Puget Sound Regional Transit Authority, RB, Series A (AGM), 5.00%, 11/01/32	1,860	1,893,719
Wisconsin 1.8%		
Wisconsin Health & Educational Facilities Authority, Refunding RB, Froedtert & Community Health Inc., 5.25%, 4/01/39	3,959	3,623,909
Total Municipal Bonds Transferred to Tender Option Bond Trusts 39.3%		80,625,647
Total Long-Term Investments (Cost \$330,906,016) 157.5%		323,477,277
Short-Term Securities	Shares	
FFI Institutional Tax-Exempt Fund, 0.23% (f)(g)	6,564,515	6,564,515
	Par (000)	
Michigan Finance Authority, RB, SAN, Detroit Schools, Series A-1, 6.45%, 2/20/12	\$ 2,255	2,269,138
Total Short-Term Securities (Cost \$8,819,515) 4.3%		8,833,653
Total Investments (Cost \$339,725,531*) 161.8%		332,310,930
Other Assets Less Liabilities 0.1%		282,373
Liability for Trust Certificates, Including Interest Expense and Fees Payable (21.2)%		(43,519,201)
AMPS, at Redemption Value (40.7)%		(83,705,661)
Net Assets 100.0%		\$ 205,368,441

See Notes to Financial Statements.

ANNUAL REPORT

APRIL 30, 2011

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Schedule of Investments (concluded)

BlackRock MuniHoldings Fund, Inc. (MHD)

* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 295,357,230
Gross unrealized appreciation	\$ 5,644,818
Gross unrealized depreciation	(12,178,740)
Net unrealized depreciation	\$ (6,533,922)

(a) Security exempt from registration under Rule 144A of the Securities Act of 1933.

These securities may be resold in transactions exempt from registration to qualified institutional investors.

(b) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.

(c) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
CitiGroup Global Markets	\$4,321,170	\$43,632

(d) Variable rate security. Rate shown is as of report date.

(e) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.

(f) Investments in companies considered to be an affiliate of the Fund during the year, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at April 30, 2010	Net Activity	Shares Held at April 30, 2011	Income
FII Institutional Tax-Exempt Fund	3,354,654	3,209,861	6,564,515	\$ 5,499

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(g) Represents the current yield as of report date.

Financial futures contracts sold as of April 30, 2011 were as follows:

Contracts	Issue	Exchange	Expiration Date	Face Value	Unrealized Depreciation
152	10-Year U.S. Treasury Note	Chicago Board of Trade	June 2011	\$18,014,086	\$(399,289)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad levels for financial statement purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Fund's investments and derivative financial instruments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 323,477,277		\$ 323,477,277
Short-Term Securities	\$ 6,564,515	2,269,138		8,833,653
Total	\$ 6,564,515	\$ 325,746,415		\$ 332,310,930

¹ See above Schedule of Investments for values in each state or political subdivision.

Valuation Inputs	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				

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Interest rate contracts	\$ (399,289)	\$ (399,289)
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² Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

See Notes to Financial Statements.

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ANNUAL REPORT

APRIL 30, 2011

Schedule of Investments April 30, 2011

BlackRock MuniHoldings Fund II, Inc. (MUH)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 1.9%		
County of Jefferson Alabama, RB, Series A, 5.00%, 1/01/24	\$ 3,450	\$ 2,940,884
Arizona 3.3%		
Phoenix IDA Arizona, Refunding RB, America West Airlines Inc. Project, AMT, 6.30%, 4/01/23	2,060	1,708,090
Pima County IDA, RB, Arizona Charter Schools Project, Series C, 6.75%, 7/01/31	935	845,072
Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00%, 1/01/38	990	998,316
Salt Verde Financial Corp., RB, Senior, 5.00%, 12/01/37	1,385	1,147,874
Show Low Improvement District, Special Assessment Bonds, District No. 5, 6.38%, 1/01/15	470	470,592
		5,169,944
Arkansas 0.5%		
County of Little River Arkansas, Refunding RB, Georgia-Pacific Corp. Project, AMT, 5.60%, 10/01/26	830	762,803
California 21.2%		
Benicia Unified School District, GO, CAB, Series A (NPFGC), 5.63%, 8/01/20 (a)	2,000	1,189,040
California Health Facilities Financing Authority, Refunding RB:		
St. Joseph Health System, Series A, 5.75%, 7/01/39	1,110	1,038,161
Sutter Health, Series B, 6.00%, 8/15/42	1,585	1,607,364
California State Public Works Board, RB, Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34	600	619,854
California Statewide Communities Development Authority, RB, John Muir Health, 5.13%, 7/01/39	1,090	985,600
Los Angeles Department of Airports, RB, Series A, 5.25%, 5/15/39	400	398,244
Los Angeles Department of Airports, Refunding RB, Senior, Los Angeles International Airport, Series A, 5.00%, 5/15/40	2,975	2,851,894
Poway Unified School District, Special Tax Bonds, Community Facilities District No. 6 Area, Series A, 6.13%, 9/01/33	1,750	1,659,245
San Diego Unified School District California, GO, CAB, Election of 2008, Series A, 6.06%, 7/01/29 (a)	2,525	802,268
San Francisco City & County Public Utilities Commission, RB, Series B, 5.00%, 11/01/39	4,770	4,712,855
San Marino Unified School District California, GO, Series A (NPFGC) (a):		

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5.51%, 7/01/17	1,820	1,440,130
5.55%, 7/01/18	1,945	1,416,116
5.60%, 7/01/19	2,070	1,407,083
State of California, GO, Various Purpose:		
6.00%, 3/01/33	1,265	1,351,589
6.50%, 4/01/33	7,325	8,046,146
University of California, RB, Limited Project, Series B,		
4.75%, 5/15/38	3,495	3,187,650

32,713,239

Colorado 2.7%

Colorado Educational & Cultural Facilities Authority, RB,		
Charter School, Colorado Springs, 5.50%, 7/01/40	1,055	928,896
Colorado Health Facilities Authority, Refunding RB,		
Sisters of Leavenworth, Series A, 5.00%, 1/01/40	1,100	1,004,784
Plaza Metropolitan District No. 1 Colorado, Tax Allocation		
Bonds, Subordinate Public Improvement Fee, Tax		
Increment, 8.13%, 12/01/25	860	770,586
Regional Transportation District, COP, Series A, 5.38%,		
6/01/31	510	517,481
University of Colorado, RB, Series A, 5.38%, 6/01/38		
	920	942,678

4,164,425

Municipal Bonds	Par (000)	Value
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Connecticut 1.6%

Connecticut State Health & Educational Facility		
Authority, RB:		
Ascension Health Senior Credit, 5.00%, 11/15/40	\$ 685	\$ 655,463
Wesleyan University, 5.00%, 7/01/35	1,875	1,903,819

2,559,282

Delaware 1.5%

County of Sussex Delaware, RB, NRG Energy, Inc.,		
Indian River Project, 6.00%, 10/01/40	570	556,132
Delaware State EDA, RB, Exempt Facilities, Indian		
River Power, 5.38%, 10/01/45	2,050	1,760,355

2,316,487

District of Columbia 2.0%

Metropolitan Washington Airports Authority, RB:		
CAB, Second Senior Lien, Series B (AGC),		
7.08%, 10/01/34 (a)	10,170	2,138,242
First Senior Lien, Series A, 5.00%, 10/01/39	255	243,099
First Senior Lien, Series A, 5.25%, 10/01/44	745	714,433

3,095,774

Florida 7.2%

Ballantrae Community Development District, Special		
Assessment Bonds, 6.00%, 5/01/35	1,535	1,379,013

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City of Clearwater Florida, RB, Series A, 5.25%, 12/01/39	870	873,541
County of Broward Florida, RB, Series A, 5.25%, 10/01/34	545	551,992
County of Miami-Dade Florida, RB:		
CAB, Sub-Series A (NPFGC), 5.24%, 10/01/37 (a)	1,765	265,315
Water & Sewer System, 5.00%, 10/01/34	2,845	2,787,189
County of Miami-Dade Florida, Refunding RB, Miami International Airport, Series A-1, 5.38%, 10/01/41	330	312,840
Greater Orlando Aviation Authority Florida, RB, Special Purpose, JetBlue Airways Corp., AMT, 6.50%, 11/15/36	1,515	1,365,515
Hillsborough County IDA, RB, National Gypsum Co., Series B, AMT, 7.13%, 4/01/30	1,380	1,208,204
Mid-Bay Bridge Authority, RB, Series A, 7.25%, 10/01/40	1,135	1,130,256
Palm Coast Park Community Development District, Special Assessment Bonds, 5.70%, 5/01/37	490	284,411
Preserve at Wilderness Lake Community Development District, Special Assessment Bonds, Series A, 5.90%, 5/01/34	1,185	1,001,396
		11,159,672

Georgia 1.9%

DeKalb Private Hospital Authority, Refunding RB, Children s Healthcare, 5.25%, 11/15/39	420	406,128
Metropolitan Atlanta Rapid Transit Authority, RB, Third Series, 5.00%, 7/01/39	1,740	1,739,878
Private Colleges & Universities Authority, Refunding RB, Emory University, Series C, 5.00%, 9/01/38	765	771,028
		2,917,034

Guam 0.7%

Territory of Guam, GO, Series A:		
6.00%, 11/15/19	320	320,202
6.75%, 11/15/29	455	453,694
7.00%, 11/15/39	275	281,006
		1,054,902

Hawaii 0.4%

State of Hawaii, Refunding RB, Series A, 5.25%, 7/01/30	680	685,862
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See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Fund II, Inc. (MUH)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Idaho 1.3%		
Power County Industrial Development Corp., RB, FMC Corp. Project, AMT, 6.45%, 8/01/32	\$ 2,000	\$ 2,002,860
Illinois 5.9%		
City of Chicago Illinois, Refunding RB, General, Third Lien, Series C, 6.50%, 1/01/41 (b)	2,935	3,127,654
City of Chicago Illinois, Special Assessment Bonds, Lake Shore East, 6.75%, 12/01/32	1,000	906,500
Illinois Finance Authority, Refunding RB, Central DuPage Health, Series B, 5.50%, 11/01/39	800	760,320
Metropolitan Pier & Exposition Authority, Refunding RB (AGM) McCormick Place Expansion Project: CAB, Series B, 6.25%, 6/15/47 (a)	9,555	821,061
Series B, 5.00%, 6/15/50	1,585	1,383,055
Series B-2, 5.00%, 6/15/50	1,260	1,074,011
Railsplitter Tobacco Settlement Authority, RB, 5.50%, 6/01/23	675	651,294
State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/34	315	304,744
		<u>9,028,639</u>
Indiana 1.7%		
Indiana Finance Authority, RB, Sisters of St. Francis Health, 5.25%, 11/01/39	420	387,429
Indiana Finance Authority, Refunding RB, Parkview Health System, Series A, 5.75%, 5/01/31	1,660	1,670,558
Indiana Municipal Power Agency, RB, Series B, 6.00%, 1/01/39	565	579,238
		<u>2,637,225</u>
Kansas 1.2%		
Kansas Development Finance Authority, Refunding RB: Adventist Health, 5.75%, 11/15/38	1,000	1,031,960
Sisters of Leavenworth, Series A, 5.00%, 1/01/40	785	750,421
		<u>1,782,381</u>
Kentucky 0.3%		
Kentucky Economic Development Finance Authority, Refunding RB, Owensboro Medical Health System, Series A, 6.38%, 6/01/40	510	483,878
Louisiana 2.1%		

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East Baton Rouge Sewerage Commission, RB, Series A, 5.25%, 2/01/39	420	424,763
Louisiana Local Government Environmental Facilities & Community Development Authority, RB, Westlake Chemical Corp. Projects, 6.75%, 11/01/32	2,500	2,546,750
New Orleans Aviation Board, Refunding RB, Passenger Facility Charge, Series A, 5.25%, 1/01/41	310	292,652
		3,264,165

Maine 0.1%

Maine Health & Higher Educational Facilities Authority, RB, Series A, 5.00%, 7/01/39	150	143,444
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Maryland 1.6%

Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 6/01/35	220	201,234
Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 9/01/25	415	397,084
Maryland Health & Higher Educational Facilities Authority, Refunding RB, Charlestown Community, 6.25%, 1/01/41	1,095	1,064,679
Maryland State Energy Financing Administration, RB, Cogeneration, AES Warrior Run, AMT, 7.40%, 9/01/19	750	749,873
		2,412,870

Municipal Bonds	Par (000)	Value
Massachusetts 4.4%		
Massachusetts Development Finance Agency, RB, Neville Communities, Series A (Ginnie Mae): 5.75%, 6/20/22	\$ 600	\$ 650,856
6.00%, 6/20/44	1,500	1,602,840
Massachusetts Development Finance Agency, Refunding RB, Boston University, Series P, 5.45%, 5/15/59	845	809,333
Massachusetts HFA, RB, M/F Housing, Series A, AMT, 5.25%, 12/01/48	2,100	1,849,218
Massachusetts HFA, Refunding HRB, Series F, AMT, 5.70%, 6/01/40	1,090	1,052,460
Massachusetts Health & Educational Facilities Authority, Refunding RB, Partners Healthcare, Series J1, 5.00%, 7/01/39	910	851,314
		6,816,021

Michigan 2.3%

City of Detroit Michigan, RB, Senior Lien, Series B (AGM), 7.50%, 7/01/33	460	536,668
Flint Hospital Building Authority Michigan, Refunding RB, Hurley Medical Center (ACA), 6.00%, 7/01/20	960	905,616
Kalamazoo Hospital Finance Authority, Refunding RB, Bronson Methodist Hospital, 5.50%, 5/15/36	690	656,701
Michigan State Hospital Finance Authority, Refunding RB, Hospital, Henry Ford Health, 5.75%, 11/15/39	1,520	1,415,530

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		3,514,515
Minnesota 1.1%		
City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series A, 6.75%, 11/15/32	1,540	1,643,811
Montana 0.4%		
Montana Facility Finance Authority, Refunding RB, Sisters of Leavenworth, Series A, 4.75%, 1/01/40	620	565,725
New Hampshire 1.0%		
New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth-Hitchcock, 6.00%, 8/01/38	1,530	1,596,555
New Jersey 5.2%		
New Jersey EDA, RB:		
Cigarette Tax, 5.75%, 6/15/29	3,025	2,749,271
Continental Airlines Inc. Project, AMT, 6.63%, 9/15/12	2,000	2,015,320
New Jersey State Turnpike Authority, RB, Series C (AGM), 5.00%, 1/01/30	2,500	2,522,350
Tobacco Settlement Financing Corp. New Jersey, Refunding RB, Series 1A, 4.50%, 6/01/23	920	775,045
		8,061,986
New York 6.7%		
Dutchess County Industrial Development Agency New York, Refunding RB, St. Francis Hospital, Series A, 7.50%, 3/01/29	875	826,551
Long Island Power Authority, Refunding RB, Series A, 5.75%, 4/01/39	1,050	1,099,550
Metropolitan Transportation Authority, Refunding RB: Series B, 5.00%, 11/15/34	1,270	1,269,962
Transportation, Series D, 5.25%, 11/15/40	610	597,428
New York City Industrial Development Agency, RB: Continental Airlines Inc. Project, AMT, 8.00%, 11/01/12	350	356,762
Continental Airlines Inc. Project, Mandatory Put Bonds, AMT, 8.38%, 11/01/16	525	542,997
Series C, 6.80%, 6/01/28	415	427,902
New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-3, 5.25%, 1/15/39	3,300	3,335,145
New York Liberty Development Corp., Refunding RB, Second Priority, Bank of America Tower at One Bryant Park Project, 6.38%, 7/15/49	615	615,578

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Fund II, Inc. (MUH)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
New York (concluded)		
Port Authority of New York & New Jersey, RB, JFK International Air Terminal:		
6.00%, 12/01/36	\$ 650	\$ 627,328
6.00%, 12/01/42	630	602,028
		10,301,231
North Carolina 0.4%		
North Carolina Medical Care Commission, RB, Duke University Health System, Series A, 5.00%, 6/01/42		
	705	670,850
Pennsylvania 5.3%		
Allegheny County Hospital Development Authority, Refunding RB, Health System, West Penn, Series A, 5.38%, 11/15/40		
	1,095	813,815
Montgomery County Higher Education & Health Authority, Refunding RB, Abington Memorial Hospital, Series A, 5.13%, 6/01/33		
	325	304,382
Pennsylvania Economic Development Financing Authority, RB:		
American Water Co. Project, 6.20%, 4/01/39		
	1,830	1,910,081
National Gypsum Co., Series A, AMT, 6.25%, 11/01/27		
	2,750	2,273,892
Pennsylvania Turnpike Commission, RB, Sub-Series B, 5.25%, 6/01/39		
	2,455	2,350,687
Philadelphia Authority for Industrial Development, RB, Commercial Development, AMT, 7.75%, 12/01/17		
	540	540,259
		8,193,116
Puerto Rico 4.8%		
Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series C, 6.00%, 7/01/39		
	1,490	1,458,144
Puerto Rico Industrial Medical & Environmental Pollution Control Facilities Financing Authority, RB, Special Facilities, American Airlines, Series A, 6.45%, 12/01/25		
	905	741,005
Puerto Rico Sales Tax Financing Corp., RB:		
CAB, Series A, 6.41%, 8/01/35 (a)		
	10,000	1,938,400
First Sub-Series A, 6.50%, 8/01/44		
	2,790	2,910,807
Puerto Rico Sales Tax Financing Corp., Refunding RB, CAB, First Sub-Series C, 6.52%, 8/01/38 (a)		
	2,145	329,729
		7,378,085

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South Carolina 1.1%		
South Carolina State Ports Authority, RB, 5.25%, 7/01/40	1,650	1,628,039
Tennessee 1.3%		
Hardeman County Correctional Facilities Corp. Tennessee, RB, Series B, 7.38%, 8/01/17	2,200	2,067,230
Texas 11.3%		
Brazos River Authority, Refunding RB, TXU Electric Co. Project, Series C, Mandatory Put Bonds, AMT, 5.75%, 5/01/36 (c)	500	489,680
Brazos River Harbor Navigation District, Refunding RB, Dow Chemical Co. Project, Series A7, AMT, 6.63%, 5/15/33	2,500	2,517,250
City of Dallas Texas, Refunding RB, 5.00%, 10/01/35	760	787,710
City of Houston Texas, RB, Senior Lien, Series A, 5.50%, 7/01/39	535	541,907
Harris County Health Facilities Development Corp., Refunding RB, Memorial Hermann Healthcare System, Series B, 7.25%, 12/01/35	1,380	1,496,941
La Vernia Higher Education Finance Corp., RB, KIPP Inc., 6.38%, 8/15/44	590	579,929
Matagorda County Hospital District Texas, RB (FHA), 5.00%, 2/15/35	2,765	2,531,164
	Par (000)	Value
Municipal Bonds		
Texas (concluded)		
North Texas Tollway Authority, RB: CAB, Special Projects System, Series B, 7.55%, 9/01/37 (a)	\$ 1,015	\$ 166,003
Toll, Second Tier, Series F, 6.13%, 1/01/31	3,020	3,085,353
Sabine River Authority Texas, Refunding RB, TXU Electric Co. Project, Series B, Mandatory Put Bonds, AMT, 5.75%, 5/01/30 (c)	500	489,680
Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40	2,165	2,205,875
NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39	1,940	1,990,246
Texas State Public Finance Authority, Refunding ERB, KIPP Inc., Series A (ACA), 5.00%, 2/15/36	625	513,550
		17,395,288
U.S. Virgin Islands 1.7%		
United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21	2,680	2,592,552
Utah 0.8%		
City of Riverton Utah, RB, IHC Health Services Inc., 5.00%, 8/15/41	1,400	1,297,212
Vermont 0.6%		
Vermont Educational & Health Buildings Financing Agency, RB, Developmental & Mental Health, Series A,	1,000	881,280

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6.50%, 6/15/32

Virginia 0.8%		
Virginia HDA, RB, Sub-Series H-1 (NPFGC), 5.35%, 7/01/31	1,175	1,175,411
Washington 1.2%		
Seattle Housing Authority Washington, HRB, Replacement Housing Projects, 6.13%, 12/01/32	930	831,476
Washington Health Care Facilities Authority, RB, Swedish Health Services, Series A, 6.75%, 11/15/41	990	1,026,471
		1,857,947
Wisconsin 4.2%		
State of Wisconsin, Refunding RB, Series A, 6.00%, 5/01/36	3,620	3,890,993
Wisconsin Health & Educational Facilities Authority, RB: Ascension Health Senior Credit Group, 5.00%, 11/15/33	1,235	1,161,814
SynergyHealth Inc., 6.00%, 11/15/32	1,360	1,366,664
		6,419,471
Total Municipal Bonds 113.7%		175,352,095

**Municipal Bonds Transferred to
Tender Option Bond Trusts (d)**

California 6.7%		
Bay Area Toll Authority, Refunding RB, San Francisco Bay Area, Series F-1, 5.63%, 4/01/44	1,640	1,693,592
California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/39	1,335	1,369,577
Los Angeles Community College District California, GO, Election of 2001, Series A (AGM), 5.00%, 8/01/32	1,170	1,160,827
San Diego Community College District California, GO, Election of 2002, 5.25%, 8/01/33	553	562,589
Sequoia Union High School District California, GO, Refunding, Election of 2004, Series B (AGM), 5.50%, 7/01/35	5,519	5,615,277
		10,401,862

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Fund II, Inc. (MUH)
(Percentages shown are based on Net Assets)

Municipal Bonds Transferred to Tender Option Bond Trusts (d)	Par (000)	Value
Colorado 2.6%		
Colorado Health Facilities Authority, RB (AGM)		
Catholic Health:		
Series C-3, 5.10%, 10/01/41	\$ 1,870	\$ 1,752,171
Series C-7, 5.00%, 9/01/36	1,200	1,129,332
Colorado Health Facilities Authority, Refunding RB, Catholic Health, Series A, 5.50%, 7/01/34	1,080	1,081,031
		3,962,534
Connecticut 3.1%		
Connecticut State Health & Educational Facility Authority, RB, Yale University:		
Series T-1, 4.70%, 7/01/29	2,300	2,358,811
Series X-3, 4.85%, 7/01/37	2,370	2,382,893
		4,741,704
Georgia 1.1%		
Private Colleges & Universities Authority, Refunding RB, Emory University, Series C, 5.00%, 9/01/38		
	1,649	1,662,450
Massachusetts 2.0%		
Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30		
	2,999	3,072,475
New Hampshire 0.7%		
New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth College, 5.25%, 6/01/39		
	1,019	1,056,139
New York 4.6%		
New York City Municipal Water Finance Authority, RB, Series FF-2, 5.50%, 6/15/40		
	810	844,192
New York State Dormitory Authority, ERB, Series F, 5.00%, 3/15/35	2,910	2,913,654
Sales Tax Asset Receivable Corp., RB, Series A (AMBAC), 5.25%, 10/15/27	3,200	3,425,603
		7,183,449
North Carolina 0.5%		
North Carolina Capital Facilities Finance Agency, Refunding RB, Wake Forest University, 5.00%, 1/01/38		
	800	808,072
Ohio 4.5%		

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State of Ohio, Refunding RB, Cleveland Clinic Health, Series A, 5.50%, 1/01/39	6,980	6,920,600
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Tennessee 1.6%

Shelby County Health Educational & Housing Facilities Board, Refunding RB, St. Jude's Children's Research Hospital, 5.00%, 7/01/31	2,500	2,522,500
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Texas 2.2%

County of Harris Texas, RB, Senior Lien, Toll Road, Series A, 5.00%, 8/15/38	3,360	3,349,819
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Virginia 7.9%

University of Virginia, Refunding RB, General, 5.00%, 6/01/40	2,730	2,793,663
Virginia HDA, RB, Sub-Series H-1 (NPFGC), 5.38%, 7/01/36	7,900	7,903,476
Virginia Small Business Financing Authority, Refunding RB, Sentara Healthcare, 5.00%, 11/01/40	1,553	1,505,988

12,203,127

Washington 0.9%

Central Puget Sound Regional Transit Authority, RB, Series A (AGM), 5.00%, 11/01/32	1,365	1,389,746
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**Municipal Bonds Transferred to
Tender Option Bond Trusts (d)**

**Par
(000)**

Value

Wisconsin 1.7%

Wisconsin Health & Educational Facilities Authority, Refunding RB, Froedtert & Community Health Inc., 5.25%, 4/01/39	\$ 2,859	\$ 2,617,268
--	----------	--------------

**Total Municipal Bonds Transferred to
Tender Option Bond Trusts 40.1%**

61,891,745

**Total Long-Term Investments
(Cost \$240,551,740) 153.8%**

237,243,840

Short-Term Securities

Shares

FFI Institutional Tax-Exempt Fund, 0.23% (e)(f)	3,999,689	3,999,689
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**Par
(000)**

\$ 1,630	1,640,220
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Michigan Finance Authority, RB, SAN, Detroit Schools,
Series A-1, 6.45%, 2/02/12

Total Short-Term Securities		
(Cost \$5,629,689) 3.7%		5,639,909
Total Investments (Cost \$246,181,429*) 157.5%		242,883,749
Other Assets Less Liabilities 0.0%		70,681
Liability for Trust Certificates, Including		
Interest Expense and Fees Payable (21.8)%		(33,642,077)
AMPS, at Redemption Value (35.7)%		(55,053,584)
Net Assets 100.0%		\$ 154,258,769

* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 211,815,053
Gross unrealized appreciation	\$ 4,953,291
Gross unrealized depreciation	(7,501,779)
Net unrealized depreciation	\$ (2,548,488)

(a) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.

(b) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
Citigroup Global Markets	\$ 3,127,654	\$ 31,581

(c) Variable rate security. Rate shown is as of report date.

(d) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.

(e) Investments in companies considered to be an affiliate of the Fund during the year, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at	Net Activity	Shares Held at	Income
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	April 30, 2010		April 30, 2011		
FFI Institutional Tax-Exempt Fund	607,735	3,391,954	3,999,689	\$	3,240

(f) Represents the current yield as of report date.

See Notes to Financial Statements.

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APRIL 30, 2011

Schedule of Investments (concluded)

BlackRock MuniHoldings Fund II, Inc. (MUH)

Financial futures contracts sold as of April 30, 2011 were as follows:

Contracts	Issue	Exchange	Expiration	Notional Value	Unrealized Depreciation
114	10-Year U.S. Treasury Note	Chicago Board of Trade	June 2011	\$ 13,510,565	\$ (299,467)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad levels for financial statement purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments.)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Fund's investments and derivative financial instruments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 237,243,840		\$ 237,243,840
Short-Term Securities	\$ 3,999,689	1,640,220		5,639,909
Total	\$ 3,999,689	\$ 238,884,060		\$ 242,883,749

¹ See above Schedule of Investments for values in each state or political subdivision.

Valuation Inputs	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				
Interest rate contracts	\$	(299,467)		\$ (299,467)

² Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

See Notes to Financial Statements.

ANNUAL REPORT

APRIL 30, 2011

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Schedule of Investments April 30, 2011

BlackRock MuniHoldings Quality Fund, Inc. (MUS)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 2.7%		
Birmingham Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 6/01/39	\$ 2,330	\$ 2,436,970
County of Jefferson Alabama, RB, Series A, 5.50%, 1/01/22	2,170	1,905,607
		<u>4,342,577</u>
Arizona 0.5%		
State of Arizona, COP, Department of Administration, Series A (AGM), 5.25%, 10/01/28	715	734,055
Arkansas 3.5%		
Arkansas Development Finance Authority, Refunding RB, Series C (NPFGC), 5.35%, 12/01/35	5,685	5,696,711
California 21.2%		
Bay Area Toll Authority, Refunding RB, San Francisco Bay Area, Series F-1, 5.63%, 4/01/44	5,500	5,678,750
California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/38	2,895	2,971,775
California Health Facilities Financing Authority, Refunding RB, Sutter Health, Series B, 6.00%, 8/15/42	1,730	1,754,410
Central Unified School District, GO, Election of 2008, Series A (AGC), 5.63%, 8/01/33	1,325	1,346,293
City of Sunnyvale California, Refunding RB, 5.25%, 4/01/40	1,605	1,623,169
City of Vista California, COP, Refunding, Community Projects (NPFGC), 5.00%, 5/01/37	2,060	1,795,331
County of Sacramento California, RB, Senior Series A (AGC), 5.50%, 7/01/41	2,100	2,087,568
Los Angeles Community College District California, GO, Election of 2008, Series C, 5.25%, 8/01/39	1,500	1,515,210
Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38	1,575	1,598,373
Oceanside Unified School District California, GO, Series A (AGC), 5.25%, 8/01/33	1,825	1,825,931
Oxnard Union High School District, GO, Refunding, Election of 2004, Series A (AGM), 5.00%, 8/01/40	1,885	1,712,956
San Bernardino Community College District, GO, Election of 2002, Series A, 6.25%, 8/01/33	1,250	1,368,650
San Pablo Joint Powers Financing Authority California, Tax Allocation Bonds, Refunding, CAB (NPFGC) (a): 5.66%, 12/01/24	2,635	1,036,135
5.66%, 12/01/25	2,355	851,262
5.66%, 12/01/26	2,355	781,813
	690	674,923

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Santa Ana Unified School District, GO (NPFGC), 5.00%,
8/01/32

Schools Infrastructure Financing Agency, Special Tax Bonds (AGM), 5.50%, 9/01/36	190	181,494
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Ventura County Community College District, GO, Election of 2002, Series C, 5.50%, 8/01/33	1,850	1,920,374
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West Contra Costa Unified School District California, GO, Election of 2000, Series C (NPFGC), 5.00%, 8/01/21	3,480	3,504,116
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34,228,533

Colorado 1.6%

Colorado Health Facilities Authority, RB, Hospital, NMC Inc. Project, Series B (AGM), 6.00%, 5/15/26	1,900	2,049,302
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Regional Transportation District, COP, Series A, 5.00%, 6/01/25	455	462,963
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2,512,265

District of Columbia 1.5%

District of Columbia, RB, Deed Tax, Housing Production Trust Fund, Series A (NPFGC), 5.00%, 6/01/32	400	382,504
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District of Columbia Water & Sewer Authority, RB, Series A, 5.50%, 10/01/39	2,000	2,078,880
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2,461,384

Municipal Bonds	Par (000)	Value
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Florida 11.1%

City of Gainesville Florida, Refunding RB, Series C, 5.25%, 10/01/34	\$ 2,500	\$ 2,546,400
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County of Miami-Dade Florida, RB (AGM): Miami International Airport, Series A, AMT, 5.50%, 10/01/41	3,895	3,660,093
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Water & Sewer System, 5.00%, 10/01/39	910	883,100
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Jacksonville Port Authority, RB, AMT (AGC), 6.00%, 11/01/38	2,215	2,228,888
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Orange County School Board, COP, Series A (AGC), 5.50%, 8/01/34	4,645	4,681,324
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Tohopekaliga Water Authority, Refunding RB, Series A, 5.25%, 10/01/36	3,995	4,023,524
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18,023,329

Georgia 4.2%

Augusta-Richmond County Georgia, RB (AGM), 5.25%, 10/01/39	3,495	3,514,397
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Gwinnett County Hospital Authority, Refunding RB, Gwinnett Hospital System, Series D (AGM), 5.50%, 7/01/41	2,075	1,995,175
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Metropolitan Atlanta Rapid Transit Authority, RB, Third Indenture, Series B (AGM), 5.00%, 7/01/34	1,260	1,264,561
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6,774,133

Illinois 12.9%

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Chicago Board of Education Illinois, GO, Refunding, Chicago School Reform Board, Series A (NPFGC), 5.50%, 12/01/26	1,200	1,209,768
Chicago Transit Authority, RB, Federal Transit Administration Section 5309, Series A (AGC), 6.00%, 6/01/26	2,000	2,184,260
City of Chicago Illinois, GO, Refunding, Projects, Series A (AGM), 5.00%, 1/01/29	1,490	1,447,327
City of Chicago Illinois, RB (AGM): General, Third Lien, Series C, 5.25%, 1/01/35	1,255	1,239,827
Series A, 5.00%, 1/01/33	8,000	7,732,320
City of Chicago Illinois, Refunding RB: General, Third Lien, Series C, 6.50%, 1/01/41 (b)	1,345	1,433,286
Second Lien (NPFGC), 5.50%, 1/01/30	1,310	1,342,999
Railsplitter Tobacco Settlement Authority, RB: 5.50%, 6/01/23	1,405	1,355,656
6.00%, 6/01/28	400	384,696
State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/28	2,500	2,547,850
		<hr/>
		20,877,989

Indiana 4.3%

Indiana Municipal Power Agency, RB, Series A (NPFGC), 5.00%, 1/01/42	6,000	5,557,380
Indianapolis Local Public Improvement Bond Bank, Refunding RB, Waterworks Project, Series A (AGC), 5.50%, 1/01/38	1,430	1,453,123
		<hr/>
		7,010,503

Iowa 0.7%

Iowa Finance Authority, Refunding RB, Iowa Health System (AGC), 5.25%, 2/15/29	1,080	1,087,463
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Kentucky 0.8%

Kentucky Economic Development Finance Authority, RB, Louisville Arena, Sub-Series A-1 (AGC), 6.00%, 12/01/38	320	323,658
Kentucky State Property & Buildings Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/29	1,000	1,033,360
		<hr/>
		1,357,018

Louisiana 1.4%

Louisiana State Citizens Property Insurance Corp., RB, Series C-3 (AGC), 6.13%, 6/01/25	2,055	2,273,919
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See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Quality Fund, Inc. (MUS)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Massachusetts 1.6%		
Massachusetts HFA, RB, Rental Mortgage, Series C, AMT (AGM), 5.50%, 7/01/32	\$ 2,440	\$ 2,302,969
Massachusetts HFA, Refunding RB, Housing Development, Series A, AMT (NPFGC), 5.15%, 6/01/11	315	315,838
		<u>2,618,807</u>
Michigan 13.2%		
City of Detroit Michigan, RB:		
Second Lien, Series B (NPFGC), 5.50%, 7/01/29	2,410	2,362,619
Senior Lien, Series B (AGM), 7.50%, 7/01/33	2,000	2,333,340
City of Detroit Michigan, Refunding RB:		
Second Lien, Series C (BHAC), 5.75%, 7/01/27	1,580	1,636,122
Second Lien, Series E (BHAC), 5.75%, 7/01/31	3,240	3,312,220
Senior Lien, Series C-1 (AGM), 7.00%, 7/01/27	4,810	5,585,035
Senior Lien, Series C-2 (BHAC), 5.25%, 7/01/29	1,910	1,905,416
Michigan State Building Authority, Refunding RB, Facilities Program, Series I (AGC):		
5.25%, 10/15/24	875	914,847
5.25%, 10/15/25	455	469,474
Michigan Strategic Fund, Refunding RB, Detroit Edison Co. Project, Series A, AMT (Syncora), 5.50%, 6/01/30	750	718,350
Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, 8.25%, 9/01/39	1,910	2,165,501
		<u>21,402,924</u>
Minnesota 0.9%		
City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series B (AGC), 6.50%, 11/15/38	1,325	1,411,761
Nevada 7.8%		
Clark County Water Reclamation District, GO, Series A, 5.25%, 7/01/34	2,000	2,041,140
County of Clark Nevada, RB:		
Las Vegas-McCarran International Airport, Series A (AGC), 5.25%, 7/01/39	3,510	3,294,170
Las Vegas-McCarran, Series A-1 AMT (AGM), 5.00%, 7/01/23	1,750	1,760,500
Subordinate Lien, Series A-2 (NPFGC), 5.00%, 7/01/36	6,000	5,434,320

12,530,130

New Jersey 7.8%

New Jersey EDA, RB, Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33	6,700	6,656,115
New Jersey Health Care Facilities Financing Authority, RB, Virtua Health (AGC), 5.50%, 7/01/38	2,100	2,110,794
New Jersey Transportation Trust Fund Authority, RB, Transportation System, Series A (AGC), 5.63%, 12/15/28	3,500	3,768,030
		<u>12,534,939</u>

New York 4.4%

New York City Municipal Water Finance Authority, RB: Fiscal 2009, Series EE, 5.25%, 6/15/40	3,410	3,477,552
Second General Resolution, Series EE, 5.38%, 6/15/43	2,170	2,238,138
New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-3, 5.25%, 1/15/39	1,400	1,414,910
		<u>7,130,600</u>

Pennsylvania 1.0%

Delaware River Port Authority, RB, Series D (AGC), 5.00%, 1/01/40	1,720	1,691,569
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Municipal Bonds	Par (000)	Value
Puerto Rico 1.4%		
Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.38%, 8/01/39	\$ 2,115	\$ 2,192,240

Texas 22.5%

Austin Community College District, RB, Educational Facilities Project, Round Rock Campus, 5.25%, 8/01/33	2,500	2,542,000
City of Austin Texas, Refunding RB, Series A (AGM): 5.00%, 11/15/28	1,080	1,113,048
5.00%, 11/15/29	1,365	1,395,112
City of Houston Texas, Refunding RB, Combined, First Lien, Series A (AGC), 6.00%, 11/15/35	4,000	4,381,320
Clifton Higher Education Finance Corp., Refunding RB, Baylor University, 5.25%, 3/01/32	1,840	1,895,476
Dallas Area Rapid Transit, Refunding RB, Senior Lien, 5.25%, 12/01/38	3,175	3,260,757
Harris County Health Facilities Development Corp., Refunding RB, Memorial Hermann Healthcare System, Series B, 7.25%, 12/01/35	600	650,844
Lubbock Cooper ISD Texas, GO, School Building (AGC), 5.75%, 2/15/42	775	798,955
North Texas Tollway Authority, Refunding RB (NPFGC), System, First Tier: 5.75%, 1/01/40	4,885	4,744,361
Series A, 5.13%, 1/01/28	3,010	3,012,318
Series A, 5.63%, 1/01/33	6,585	6,539,563
Series B, 5.75%, 1/01/40	6,275	6,094,343

36,428,097

Utah 1.4%

City of Riverton Utah, RB, IHC Health Services Inc., 5.00%, 8/15/41	2,485	2,302,551
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Virginia 1.6%

Virginia HDA, RB, Sub-Series H-1 (NPFGC), 5.35%, 7/01/31	975	975,341
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Virginia Public School Authority, RB, School Financing, 6.50%, 12/01/35	1,500	1,654,500
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2,629,841

Washington 1.6%

City of Seattle Washington, Refunding RB, Series A, 5.25%, 2/01/36	1,375	1,419,399
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State of Washington, GO, Various Purpose, Series B, 5.25%, 2/01/36	1,075	1,113,947
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2,533,346

Total Municipal Bonds 131.6%

212,786,684

**Municipal Bonds Transferred to
Tender Option Bond Trusts (c)****Alabama 1.3%**

Mobile Board of Water & Sewer Commissioners, RB (NPFGC), 5.00%, 1/01/31	2,120	2,130,367
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California 2.8%

City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 9/01/30	1,258	1,273,062
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Sequoia Union High School District California, GO, Refunding, Election, Series B (AGM), 5.50%, 7/01/35	3,149	3,204,370
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4,477,432

Colorado 3.2%

Colorado Health Facilities Authority, RB, Catholic Health, Series C-3 (AGM), 5.10%, 10/01/41	5,610	5,256,514
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See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniHoldings Quality Fund, Inc. (MUS)
(Percentages shown are based on Net Assets)

Municipal Bonds Transferred to Tender Option Bond Trusts (c)	Par (000)	Value
District of Columbia 0.7%		
District of Columbia Water & Sewer Authority, RB, Series A, 6.00%, 10/01/35	\$ 1,040	\$ 1,138,325
Florida 8.2%		
City of St. Petersburg Florida, Refunding RB (NPFGC), 5.00%, 10/01/35	4,302	4,206,918
County of Miami-Dade Florida, GO, Building Better Communities Program, Series B-1, 6.00%, 7/01/38	7,500	7,965,300
Lee County Housing Finance Authority, RB, Multi-County Program, Series A-2, AMT (Ginnie Mae), 6.00%, 9/01/40	1,065	1,132,138
		<u>13,304,356</u>
Georgia 2.5%		
Augusta-Richmond County Georgia, Water & Sewer, RB (AGM), 5.25%, 10/01/34	4,000	4,045,960
Illinois 1.5%		
City of Chicago Illinois, Refunding RB, Second Lien (AGM), 5.25%, 11/01/33	2,509	2,518,458
Kentucky 0.9%		
Kentucky State Property & Building Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/27	1,406	1,472,147
Massachusetts 5.1%		
Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30	8,008	8,203,508
Nevada 5.8%		
Clark County Water Reclamation District, GO: Limited Tax, 6.00%, 7/01/38	5,000	5,404,150
Series B, 5.50%, 7/01/29	3,749	3,976,291
		<u>9,380,441</u>
New Jersey 1.5%		
New Jersey State Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29	2,401	2,417,570
Washington 2.7%		
City of Bellevue Washington, GO, Refunding (NPFGC), 5.50%, 12/01/39	4,002	4,310,558

Total Municipal Bonds Transferred to Tender Option Bond Trusts 36.2%		58,655,636
Total Long-Term Investments (Cost \$273,218,071) 167.8%		271,442,320
Short-Term Securities	Shares	Value
FII Institutional Tax-Exempt Fund, 0.23% (d)(e)	6,952,084	\$ 6,952,084
Total Short-Term Securities (Cost \$6,952,084) 4.3%		6,952,084
Total Investments (Cost \$280,170,155*) 172.1%		278,394,404
Other Assets Less Liabilities 1.3%		2,017,755
Liability for Trust Certificates, Including Interest Expense and Fees Payable (19.6)%		(31,688,219)
AMPS, at Redemption Value (53.8)%		(87,004,310)
Net Assets Applicable to Common Shares 100.0%		\$ 161,719,630

* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 248,460,770
Gross unrealized appreciation	\$ 4,814,153
Gross unrealized depreciation	(6,545,933)
Net unrealized depreciation	\$ (1,731,780)

- (a) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (b) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
Citigroup Global Markets	\$ 1,433,286	\$ 14,472

- (c) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to

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TOBs.

- (d) Investments in companies considered to be an affiliate of the Fund during the year, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at April 30, 2010	Net Activity	Shares Held at April 30, 2011	Income
FFI Institutional Tax-Exempt Fund	8,653,666	(1,701,582)	6,952,084	\$ 13,319

- (e) Represents the current yield as of report date.

See Notes to Financial Statements.

Schedule of Investments (concluded)

BlackRock MuniHoldings Quality Fund, Inc. (MUS)

Financial futures contracts sold as of April 30, 2011 were as follows:

Contracts	Issue	Exchange	Expiration	Notional Value	Unrealized Depreciation
60	10-Year U.S. Treasury Note	Chicago Board of Trade	June 2011	\$ 7,110,824	\$ (157,614)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad levels for financial statement purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Fund's investments and derivative financial instruments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 271,442,320		\$ 271,442,320
Short-Term Securities	\$ 6,952,084			6,952,084
Total	\$ 6,952,084	\$ 271,442,320		\$ 278,394,404

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¹ See above Schedule of Investments for values in each state or political subdivision.

Valuation Inputs	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				
Interest rate contracts	\$ (157,614)			\$ (157,614)

² Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

See Notes to Financial Statements.

Schedule of Investments April 30, 2011

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 2.8%		
Birmingham Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 6/01/34	\$ 4,615	\$ 4,852,903
County of Jefferson Alabama, RB, Series A: 5.50%, 1/01/21	5,500	4,873,495
5.25%, 1/01/23	6,500	5,720,455
		15,446,853
Arizona 4.3%		
City of Tucson Arizona, COP (AGC): 4.25%, 7/01/21	1,870	1,914,674
4.25%, 7/01/22	1,895	1,916,451
4.50%, 7/01/24	2,120	2,137,935
Refunding, 4.00%, 7/01/20	2,325	2,368,756
Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.63%, 7/01/20	2,610	1,996,311
Pima County IDA, RB: Arizona Charter Schools Project, Series C, 6.70%, 7/01/21	965	943,645
Charter Schools, Series K, 6.38%, 7/01/31	930	803,427
Pima County IDA, Refunding RB, Tucson Electric Power Co., San Juan, Series A, 4.95%, 10/01/20	2,325	2,238,301
Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00%, 1/01/25	4,000	4,263,360
Scottsdale IDA, RB, Scottsdale Healthcare, Series C (AGC), 5.00%, 9/01/35	4,000	3,805,200
State of Arizona, COP, Department of Administration, Series A (AGM), 4.25%, 10/01/23	1,250	1,214,900
		23,602,960
California 15.4%		
Antelope Valley Healthcare District California, RB, Series A, 5.25%, 9/01/17	8,000	7,577,840
California Health Facilities Financing Authority, Refunding RB, Sutter Health, Series B, 5.00%, 8/15/22	2,135	2,214,059
California HFA, RB, Home Mortgage, Series K, AMT, 4.55%, 8/01/21	3,805	3,346,612
California HFA, Refunding RB, Home Mortgage, Series M, AMT, 4.55%, 8/01/21	7,210	6,651,369
California Pollution Control Financing Authority, RB, AMT: Republic Services Inc. Project, Series B, Mandatory Put Bonds, 5.25%, 6/01/23 (a)	605	634,010
Waste Management Inc. Project, Series A-2, 5.40%, 4/01/25	1,240	1,233,465

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California Pollution Control Financing Authority, Refunding RB, Pacific Gas, Series C, AMT (FGIC), 4.75%, 12/01/23	5,000	4,947,050
California State Public Works Board, RB, Department of Corrections, Series C, 5.50%, 6/01/20	10,000	10,253,200
California Statewide Communities Development Authority, RB, Health Facility, Memorial Health Services, Series A, 6.00%, 10/01/23	2,500	2,566,350
City of Sacramento California, Special Tax Bonds, North Natomas Community Facilities, Series 4-C: 5.75%, 9/01/22	1,715	1,707,797
6.00%, 9/01/28	2,990	2,865,497
Golden State Tobacco Securitization Corp. California, Refunding RB, Asset-Backed, Senior Series A-1, 5.00%, 6/01/15	5,000	5,079,150
Los Angeles Regional Airports Improvement Corp. California, Refunding RB, Facilities, LAXFUEL Corp., LA International, AMT (AMBAC), 5.50%, 1/01/32	1,435	1,261,092
Rowland Unified School District California, GO, Election of 2000, Series B (AGM), 5.25%, 8/01/27	1,515	1,536,725

Municipal Bonds	Par (000)	Value
California (concluded)		
State of California, GO:		
5.50%, 4/01/14 (b)	\$ 10,000	\$ 11,303,500
5.50%, 4/01/28 (NPFGC), 5.25%, 2/01/27	15	15,100
Refunding (AMBAC), 4.50%, 8/01/28	5,000	5,034,550
Various Purpose, 5.13%, 11/01/24	3,000	2,736,900
Various Purpose, 5.13%, 11/01/24	2,030	2,060,612
Various Purpose, 5.75%, 4/01/31	7,000	7,334,950
Various Purpose, 5.00%, 11/01/32	2,000	1,938,500
Tustin Unified School District California, Special Tax Bonds, Senior Lien, Community Facilities District 97-1, Series A (AGM), 5.00%, 9/01/32	2,610	2,586,171
		84,884,499

Colorado 1.9%		
Montrose Memorial Hospital, RB, 6.38%, 12/01/23	2,250	2,278,238
Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Public Improvement Fee, Tax Increment, 7.50%, 12/01/15	7,500	7,436,775
Southlands Metropolitan District No. 1, GO, 6.75%, 12/01/14 (b)	840	956,785
		10,671,798

Connecticut 0.2%		
Connecticut State Development Authority, RB, Learjet Inc. Project, AMT, 7.95%, 4/01/26	1,160	1,203,198

Florida 3.9%		
County of Miami-Dade Florida, Refunding RB, Series C (BHAC), 5.00%, 10/01/23	8,000	8,567,440
Highlands County Health Facilities Authority, Refunding RB, Adventist Health, Series G, 5.13%, 11/15/16 (b)	35	41,296

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Midtown Miami Community Development District,
Special Assessment Bonds:

Series A, 6.00%, 5/01/24	3,040	2,849,666
Series B, 6.50%, 5/01/37	1,900	1,746,689
Panther Trace II Community Development District, Special Assessment Bonds, Special Assessment, 5.13%, 11/01/13	1,680	1,496,477
Portofino Shores Community Development District, Special Assessment Bonds, Series A, 6.40%, 5/01/34	1,085	1,011,090
South Lake County Hospital District, RB, South Lake Hospital Inc., 6.63%, 10/01/23	2,390	2,442,030
Sterling Hill Community Development District, Special Assessment Bonds, Refunding, Series B, 5.50%, 11/01/10	160	111,888
University of Florida Research Foundation Inc., RB (AMBAC), 5.13%, 9/01/33	4,000	3,356,200
		21,622,776

Georgia 1.3%

Fulton County Development Authority, Refunding RB, Robert Woodruff, Series B, 5.25%, 3/15/24	4,000	4,047,600
Medical Center Hospital Authority, Refunding RB, Columbus Regional Healthcare (AGM): 4.00%, 8/01/23	1,500	1,395,105
4.13%, 8/01/24	2,000	1,832,100
		7,274,805

Guam 0.8%

Territory of Guam, GO, Series A, 6.00%, 11/15/19	1,530	1,530,964
Territory of Guam, RB, Section 30, Series A, 5.38%, 12/01/24	2,620	2,592,988
		4,123,952

Idaho 0.6%

Idaho Health Facilities Authority, RB, St. Luke's Regional Medical Center (AGM), 4.63%, 7/01/30	3,700	3,464,014
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See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Illinois 11.5%		
City of Chicago Illinois, ARB, General, Third Lien, Series B-2, AMT: (AGM), 5.75%, 1/01/23	\$ 8,130	\$ 8,335,282
(Syncora), 6.00%, 1/01/29	7,510	7,597,717
City of Chicago Illinois, Refunding ARB, General, Third Lien, Series A-2, AMT (AGM), 5.75%, 1/01/19	2,550	2,664,495
Du Page & Will Counties Community School District No. 204 Indian, GO, School Building, Series A (NPFGC), 5.25%, 12/30/22	8,650	9,250,137
Du Page County Forest Preservation District Illinois, GO, Refunding, Series A, 3.50%, 11/01/24	3,000	2,819,190
Illinois Finance Authority, RB, Community Rehabilitation Providers Facilities, Series A, 6.63%, 7/01/12 (b)	6,930	7,458,343
Railsplitter Tobacco Settlement Authority, RB: 5.50%, 6/01/23	3,500	3,377,080
6.25%, 6/01/24	12,750	12,793,095
State of Illinois, GO, First Series (NPFGC), 5.13%, 2/01/20	1,335	1,339,032
Village of Hodgkins Illinois, RB, MBM Project, AMT, 5.90%, 11/01/17	6,000	6,000,120
Village of Wheeling Illinois, Tax Allocation Bonds, North Milwaukee/Lake-Cook TIF Project, 6.00%, 1/01/25	1,525	1,357,555
		62,992,046
Indiana 1.3%		
City of Whiting Indiana, RB, BP Products North America, 5.25%, 1/01/21	4,800	5,109,312
County of Jasper Indiana, Refunding RB, Northern Indiana Public Service Co., Series C (NPFGC), 5.85%, 4/01/19	2,000	2,203,940
		7,313,252
Iowa 0.6%		
Iowa Higher Education Loan Authority, Refunding RB, Private College Facility: 5.00%, 9/01/20	1,000	1,046,270
5.00%, 9/01/22	2,315	2,362,133
		3,408,403
Kansas 1.5%		
City of Dodge City Kansas, RB (AGC), 4.00%, 6/01/24	2,245	2,235,414

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Kansas Development Finance Authority, Refunding RB:		
Adventist Health, 5.00%, 11/15/23	1,500	1,570,020
Adventist/Sunbelt, Series D, 5.00%, 11/15/24	1,000	1,036,650
Sisters of Leavenworth, Series A, 4.00%, 1/01/22	3,425	3,326,189

8,168,273

Kentucky 3.1%

Kentucky Economic Development Finance Authority, Refunding RB, Owensboro Medical Health System, Series A, 5.25%, 6/01/23		
	8,650	8,326,663
Kentucky State Property & Buildings Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/24		
	8,000	8,614,800

16,941,463

Louisiana 3.0%

Louisiana Public Facilities Authority, RB (NPFGC):		
Nineteenth Judicial District Court, 5.50%, 6/01/41	2,000	2,003,980
University of New Orleans Research & Technology, 5.25%, 3/01/26	5,000	5,106,900
Louisiana Public Facilities Authority, Refunding RB, Entergy Gulf States Louisiana, LLC Project, Series A, 5.00%, 9/01/28		
	5,000	4,988,150

Municipal Bonds	Par (000)	Value
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Louisiana (concluded)

New Orleans Aviation Board Louisiana, Refunding GARB, Restructuring, Series A-2 (AGC), 6.00%, 1/01/23		
	\$ 850	\$ 951,770
Port of New Orleans Louisiana, Refunding RB, Continental Grain Co. Project, 6.50%, 1/01/17		
	3,500	3,395,770

16,446,570

Maine 0.3%

Portland New Public Housing Authority Maine, Refunding RB, Senior Living, Series A, 6.00%, 2/01/34		
	1,965	1,794,615

Maryland 0.5%

Maryland EDC, RB, Transportation Facilities Project, Series A, 5.13%, 6/01/20		
	1,750	1,681,820
Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 9/01/25		
	790	755,896
Maryland Industrial Development Financing Authority, RB, Our Lady of Good Counsel School, Series A, 6.00%, 5/01/35		
	500	463,540

2,901,256

Massachusetts 0.8%

Massachusetts Development Finance Agency, RB, Ogden Haverhill Project, Series B, AMT:		
5.35%, 12/01/15	1,210	1,210,363
5.50%, 12/01/19	2,000	2,000,640
Massachusetts Health & Educational Facilities Authority, RB, Winchester Hospital, 5.00%, 7/01/25		
	1,060	947,555

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4,158,558

Michigan 4.3%

City of Detroit Michigan, Refunding RB, Second Lien, Series C (BHAC), 5.75%, 7/01/26	4,235	4,403,426
Kalamazoo Hospital Finance Authority, Refunding RB, Bronson Methodist Hospital, 4.25%, 5/15/25	2,120	1,913,703
Michigan State Hospital Finance Authority, Refunding RB: Hospital, Henry Ford Health, 5.25%, 11/15/24	4,900	4,837,280
Hospital, Oakwood Obligation Group, Series A, 6.00%, 4/01/22	4,795	4,877,666
Wayne County Airport Authority, RB, Detroit Metropolitan Wayne County Airport, AMT (AGC), 4.75%, 12/01/18	7,665	7,785,570

23,817,645

Minnesota 2.1%

City of Rochester Minnesota, Refunding RB, Mayo Clinic, Series C, Mandatory Put Bonds, 4.50%, 11/15/38 (a)(c)	3,200	3,355,616
City of St. Cloud Minnesota, RB, CentraCare Health System, Series A, 4.25%, 5/01/21	2,300	2,292,019
Minneapolis & St. Paul Housing & Redevelopment Authority, RB, HealthPartners Obligation Group Project: 6.00%, 12/01/19	1,000	1,035,800
6.00%, 12/01/21	2,545	2,616,718
Minnesota State Municipal Power Agency, RB, Series A, 5.25%, 10/01/24	2,000	2,069,900

11,370,053

Mississippi 1.7%

Mississippi Business Finance Corp., Refunding RB, System Energy Resource Inc. Project: 5.88%, 4/01/22	5,000	4,881,800
5.90%, 5/01/22	4,410	4,314,127

9,195,927

Missouri 1.4%

Missouri State Health & Educational Facilities Authority, RB, SSM Health Care, Series B, 4.25%, 6/01/25	8,125	7,639,125
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See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Montana 0.5%		
Montana Facility Finance Authority, Refunding RB, Series B, 5.00%, 1/01/24	\$ 2,625	\$ 2,689,785
Nebraska 1.5%		
Douglas County Hospital Authority No. 2, RB, Health Facilities, Immanuel Obligation Group, 5.50%, 1/01/30	500	491,940
Douglas County School District No. 17 Nebraska, GO, Refunding: 2.00%, 6/15/24	4,390	3,514,063
2.00%, 6/15/25	4,480	3,454,394
Lancaster County Hospital Authority No. 1, RB, Immanuel Obligation Group, 5.50%, 1/01/30	1,000	994,150
		<u>8,454,547</u>
Nevada 1.1%		
County of Clark Nevada, Special Assessment Bonds, Special Improvement District No. 142, Local Improvement, 6.38%, 8/01/23	2,100	2,081,289
County of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5.15%, 12/01/24	3,800	3,892,606
		<u>5,973,895</u>
New Jersey 12.5%		
Essex County Improvement Authority, RB, Newark Project, Series A (AGM), 5.00%, 11/01/20	2,000	2,017,780
Garden State Preservation Trust, RB, Election of 2005, Series A (AGM): 5.80%, 11/01/21	3,635	4,152,151
5.80%, 11/01/23	5,050	5,741,648
New Jersey EDA, RB: Cigarette Tax, 5.75%, 6/15/29	9,810	8,915,818
Continental Airlines Inc. Project, AMT, 6.63%, 9/15/12	5,540	5,582,436
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33	17,900	17,782,755
New Jersey EDA, Refunding RB: New Jersey American Water Co., Series E, AMT, 4.70%, 12/01/25	3,250	3,142,555
School Facilities Construction, Series AA, 4.25%, 12/15/24	3,850	3,622,504
School Facilities Construction, Series EE, 5.00%, 9/01/23	3,465	3,554,154
	635	596,589

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New Jersey Health Care Facilities Financing Authority, Refunding RB, Hackensack University Medical, Series B (AGM), 4.00%, 1/01/24		
New Jersey Higher Education Assistance Authority, Refunding RB, Series 1A, 4.75%, 12/01/21	2,400	2,434,752
New Jersey State Housing & Mortgage Finance Agency, RB, S/F Housing, Series X, AMT, 5.10%, 10/01/23	4,500	4,514,490
New Jersey Transportation Trust Fund Authority, RB, CAB, Transportation System, Series C (AMBAC), 5.72%, 12/15/25 (d)	9,450	4,003,115
South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/23	1,375	1,420,664
University of Medicine & Dentistry of New Jersey, RB, Series A (AMBAC), 5.50%, 12/01/23	1,000	1,009,780
		68,491,191

New York 27.7%

City of New York New York, GO, Refunding, Series E, 5.00%, 8/01/27	3,500	3,663,555
City of New York New York, GO: Series D1, 5.13%, 12/01/26	4,615	4,855,580
Sub-Series I-1, 5.50%, 4/01/21	5,000	5,689,500
Dutchess County Industrial Development Agency New York, RB, St. Francis Hospital, Series B, 7.25%, 3/01/19	810	790,341

Municipal Bonds	Par (000)	Value
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New York (continued)

Essex County Industrial Development Agency, Refunding RB, International Paper, Series A, AMT, 5.20%, 12/01/23	\$ 6,300	\$ 6,007,428
Long Island Power Authority, Refunding RB, Series A, 5.50%, 4/01/24	1,475	1,603,340
Metropolitan Transportation Authority, RB: Sub-Series B-1, 5.00%, 11/15/24	2,300	2,498,099
Sub-Series B-4, 5.00%, 11/15/24	1,500	1,629,195
Transportation, Series A, 5.00%, 11/15/25	1,980	2,016,392
Metropolitan Transportation Authority, Refunding RB, Series B, 5.25%, 11/15/25	4,000	4,289,920
New York City Industrial Development Agency, RB: Continental Airlines Inc. Project, Mandatory Put Bonds, AMT, 8.38%, 11/01/16	3,500	3,619,980
Special Needs Facilities Pooled Program, Series C-1, 6.80%, 7/01/19	1,895	1,842,736
New York City Industrial Development Agency, Refunding RB, New York Stock Exchange Project, Series A, 4.25%, 5/01/24	1,740	1,752,563
New York City Transitional Finance Authority, RB: Fiscal 2007, Series S-1 (NPFGC), 5.00%, 7/15/24	500	521,615
Fiscal 2009, Series S-3, 5.00%, 1/15/23	3,560	3,818,171
New York Liberty Development Corp., Refunding RB, Second Priority, Bank of America Tower at One Bryant Park Project, 5.63%, 7/15/47	3,000	2,863,980
New York State Dormitory Authority, LRB, Municipal Health Facilities, Sub-Series 2-4, 5.00%, 1/15/27	6,900	6,930,705
New York State Dormitory Authority, RB: Education, Series D, 5.00%, 3/15/31	4,500	4,630,005
Fordham University, Series A, 5.25%, 7/01/25	900	956,061

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Interagency Council Pooled, Series A-1, 4.25%, 7/01/25	405	390,339
Mental Health Services Facilities Improvement, Series A (AGM), 5.00%, 2/15/22	4,000	4,316,040
Mount Sinai School of Medicine, Series A (NPFGC), 5.15%, 7/01/24	1,000	1,010,680
North Shore-Long Island Jewish Health System, Series A, 5.50%, 5/01/30	1,495	1,499,799
NYU Hospital Center, Series A, 5.00%, 7/01/22	1,725	1,729,916
NYU Hospital Center, Series A, 5.13%, 7/01/23	1,670	1,683,260
The New School, 5.25%, 7/01/24	2,400	2,498,184
The New School, 5.25%, 7/01/25	2,100	2,161,446
University of Rochester, Series C, 4.00%, 7/01/24	625	631,056
New York State Dormitory Authority, Refunding RB: Mount Sinai Hospital, Series A, 4.25%, 7/01/23	2,225	2,143,854
North Shore-Long Island Jewish Health System, Series E, 5.00%, 5/01/22	650	666,374
North Shore-Long Island Jewish Health System, Series E, 5.00%, 5/01/23	2,160	2,206,289
Yeshiva University, 4.00%, 9/01/23	2,860	2,912,109
Yeshiva University, 4.25%, 9/01/24	2,750	2,813,305
New York State Environmental Facilities Corp., RB, Environment, Series A (FGIC), 5.25%, 12/15/14 (b)	7,380	8,526,926
New York State Urban Development Corp., Refunding RB, Service Contract, Series B, 5.00%, 1/01/21	8,000	8,670,480
Port Authority of New York & New Jersey, RB, JFK International Air Terminal, 5.00%, 12/01/20	2,475	2,414,907
Port Authority of New York & New Jersey, Refunding RB: Consolidated, 152nd Series, AMT, 5.00%, 11/01/23	2,500	2,529,000
Consolidated, 153rd Series, 5.00%, 7/15/24	2,010	2,160,650
Sales Tax Asset Receivable Corp., RB, Series A (NPFGC), 5.00%, 10/15/20	9,070	9,837,231

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
New York (concluded)		
Tobacco Settlement Financing Corp. New York, RB, Asset-Backed:		
Series A-1 (AMBAC), 5.25%, 6/01/22	\$ 6,510	\$ 6,873,453
Series B-1C, 5.50%, 6/01/21	7,000	7,440,300
Series B-1C, 5.50%, 6/01/22	10,000	10,537,600
Trust for Cultural Resources, RB, Carnegie Hall, Series A, 5.00%, 12/01/29	3,750	3,855,300
United Nations Development Corp. New York, Refunding RB, Series A, 4.25%, 7/01/24	2,985	2,962,553
		152,450,217
North Carolina 0.8%		
Gaston County Industrial Facilities & Pollution Control Financing Authority North Carolina, RB, Exempt Facilities, National Gypsum Co. Project, AMT, 5.75%, 8/01/35		
	3,105	2,344,524
North Carolina Eastern Municipal Power Agency, Refunding RB, Series B, 5.00%, 1/01/26	1,925	1,953,047
		4,297,571
Northern Mariana Islands 0.8%		
Commonwealth of the Northern Mariana Islands, GO, Series A:		
6.75%, 10/01/13 (b)	3,800	4,335,344
6.75%, 10/01/33	250	228,693
		4,564,037
Ohio 0.4%		
Cincinnati City School District, GO, Refunding, School Improvement, 5.25%, 6/01/24		
	1,825	1,991,239
Oregon 1.3%		
Oregon State Facilities Authority, Refunding RB: Lewis & Clark College Project, Series A, 5.00%, 10/01/27		
	5,000	4,955,600
Reed College Project, Series A, 5.00%, 7/01/29	1,835	1,939,962
		6,895,562
Pennsylvania 8.0%		
City of Philadelphia Pennsylvania, RB, Series A, AMT (AGM), 5.00%, 6/15/20		
	2,895	2,982,574

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City of Philadelphia Pennsylvania, Refunding RB, Series B, AMT (AGM), 5.00%, 6/15/19	3,905	4,066,276
City of Pittsburgh Pennsylvania, GO, Refunding, Series B (AGM), 5.25%, 9/01/17	9,630	10,481,388
City of Pittsburgh Pennsylvania, GO, Series C (AGM), 5.25%, 9/01/18	6,430	6,911,736
Montgomery County IDA Pennsylvania, MRB, Whitemarsh Continuing Care, 6.00%, 2/01/21	3,500	3,125,220
Montgomery County IDA Pennsylvania, RB, New Regional Medical Center Project (FHA), 5.00%, 8/01/24	3,500	3,606,960
Pennsylvania Economic Development Financing Authority, RB, National Gypsum Co., Series A, AMT, 6.25%, 11/01/27	7,710	6,375,168
South Fork Municipal Authority, RB, Conemaugh Valley Memorial, Series A (AGC), 6.00%, 7/01/26	6,225	6,593,395
		44,142,717

Puerto Rico 10.2%

Puerto Rico Aqueduct & Sewer Authority, RB, Senior Lien, Series A (AGC), 5.00%, 7/01/25	3,215	3,253,419
Puerto Rico Electric Power Authority, RB: Series CCC, 4.25%, 7/01/23	2,360	2,194,824
Series TT, 5.00%, 7/01/27	8,500	7,952,855
Puerto Rico Highway & Transportation Authority, RB: Series Y (AGM), 6.25%, 7/01/21	3,000	3,295,440
Subordinate (FGIC), 5.75%, 7/01/21	4,375	4,426,581

Municipal Bonds

	Par (000)	Value
Puerto Rico (concluded)		
Puerto Rico Highway & Transportation Authority, Refunding RB, Series AA-1 (AGM), 4.95%, 7/01/26	\$ 1,500	\$ 1,462,410
Puerto Rico Housing Finance Authority, Refunding RB, Subordinate, Capital Fund Modernization, 5.13%, 12/01/27	12,900	12,951,729
Puerto Rico Industrial Medical & Environmental Pollution Control Facilities Financing Authority, RB, Special Facilities, American Airlines, Series A, 6.45%, 12/01/25	5,390	4,413,278
Puerto Rico Public Buildings Authority, RB, Government Facilities, Series I, 5.50%, 7/01/14 (b)	8,000	9,107,760
Puerto Rico Public Buildings Authority, Refunding RB, Government Facilities: Series D, 5.25%, 7/01/27	3,280	3,115,147
Series M-3 (NPFGC), 6.00%, 7/01/28	1,900	1,937,468
Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 5.63%, 8/01/30	1,925	1,921,439
		56,032,350

Rhode Island 0.5%

Rhode Island Health & Educational Building Corp., RB, University of Rhode Island, Series A (AGC), 4.75%, 9/15/24	2,500	2,582,050
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South Carolina 0.2%

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County of Florence South Carolina, RB, McLeod Regional Medical Center, Series A, 4.50%, 11/01/25	1,000	937,360
South Dakota 0.4%		
Educational Enhancement Funding Corp., RB, Series B, 6.50%, 6/01/32	2,200	2,145,682
Tennessee 2.1%		
Chattanooga-Hamilton County Hospital Authority Tennessee, Refunding RB, Erlanger Health (AGM), 5.00%, 10/01/22	1,620	1,679,648
Johnson City Health & Educational Facilities Board, RB, Appalachian Christian Village Project, Series A, 6.00%, 2/15/19	1,515	1,440,659
Memphis-Shelby County Sports Authority Inc., Refunding RB, Memphis Arena Project: Series A, 5.00%, 11/01/23	2,695	2,803,851
Series B, 5.00%, 11/01/22	1,000	1,051,100
Shelby County Health Educational & Housing Facilities Board, RB, Germantown Village, Series A: 6.75%, 12/01/18	3,550	3,279,987
7.00%, 12/01/23	1,450	1,292,922
		11,548,167
Texas 2.1%		
Dallas-Fort Worth International Airport Facilities Improvement Corp., RB, Series 2001-A-1, AMT, 6.15%, 1/01/16	4,000	3,963,200
Dallas-Fort Worth International Airport Facilities Improvement Corp., Refunding RB, Series A, Sub-Series 2, Mandatory Put Bonds, AMT, 9.00%, 5/01/29 (a)	3,000	3,071,850
Gulf Coast IDA, RB, Citgo Petroleum Corp. Project, Mandatory Put Bonds, AMT, 7.50%, 5/01/25 (a)	2,440	2,454,079
Gulf Coast Waste Disposal Authority, Refunding RB, Series A, AMT, 6.10%, 8/01/24	2,000	2,002,580
		11,491,709
U.S. Virgin Islands 1.5%		
United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21	1,860	1,799,308
Virgin Islands Public Finance Authority, RB, Senior Secured, Hovensa Refinery, AMT, 6.13%, 7/01/22	6,750	6,279,323
		8,078,631

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Virginia 3.2%		
James City County EDA, Refunding RB, First Mortgage, Williamsburg Lodge, Series A: 5.75%, 3/01/17	\$ 3,285	\$ 3,225,771
6.00%, 3/01/23	1,150	1,087,486
Roanoke Economic Development Authority, Refunding RB, Carilion Health System, Series B (AGM), 5.00%, 7/01/38	4,705	4,457,282
Tobacco Settlement Financing Corp. Virginia, RB, Asset-Backed, 5.63%, 6/01/15 (b)	7,800	9,064,614
		17,835,153
West Virginia 0.7%		
West Virginia Hospital Finance Authority, Refunding RB, Charleston, Series A, 5.13%, 9/01/23	4,000	4,016,440
Wisconsin 0.4%		
Wisconsin Housing & EDA, RB, Series C, AMT, 4.85%, 9/01/26	2,000	1,937,380
Total Municipal Bonds 139.2%		764,997,724

**Municipal Bonds Transferred to
Tender Option Bond Trusts (e)**

California 5.0%		
City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 9/01/30	3,101	3,137,188
Peralta Community College District, GO, Election of 2000, Series D (AGM), 5.00%, 8/01/30	10,140	10,064,863
Sequoia Union High School District California, GO, Refunding, Election, Series B (AGM), 5.50%, 7/01/35	9,028	9,185,861
Tamalpais Union High School District California, GO, Election of 2001 (AGM), 5.00%, 8/01/28	4,875	4,884,994
		27,272,906
Illinois 2.4%		
McHenry County Conservation District Illinois, GO (AGM), 5.13%, 2/01/27	12,695	13,092,790

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Massachusetts 1.5%		
Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30	8,338	8,541,480
Minnesota 1.9%		
State of Minnesota, GO, State Various Purpose, Series A, 4.00%, 8/01/29	10,525	10,310,555
New Jersey 2.1%		
New Jersey Transportation Trust Fund Authority, RB, Transportation System, Series D (AGM), 5.00%, 6/15/19	11,120	11,730,488
New York 7.1%		
City of New York New York, GO, Sub-Series B-1, 5.25%, 9/01/22	8,250	9,092,738
New York City Municipal Water & Sewer Finance Authority, Refunding RB, Series A, 4.75%, 6/15/30	8,000	8,037,600
New York State Urban Development Corp., RB, State Personal Income Tax, State Facilities, Series A-1 (NPFGC), 5.25%, 3/15/34	10,000	10,111,000
Sales Tax Asset Receivable Corp., RB, Series A (AMBAC), 5.25%, 10/15/27	11,101	11,882,561
		39,123,899

Municipal Bonds Transferred to Tender Option Bond Trusts (e)	Par (000)	Value
Washington 2.0%		
Snohomish County School District No. 15-Edmonds Washington, GO (NPFGC), 5.00%, 12/01/19	\$ 10,000	\$ 10,902,700
Total Municipal Bonds Transferred to Tender Option Bond Trusts 22.0%		120,974,818
Total Long-Term Investments (Cost \$880,653,596) 161.2%		885,972,542

Short-Term Securities	Shares	
FII Institutional Tax-Exempt Fund, 0.23% (f)(g)	9,713,431	9,713,431
Total Short-Term Securities (Cost \$9,713,431) 1.8%		9,713,431
Total Investments (Cost \$890,367,027*) 163.0%		895,685,973
Other Assets Less Liabilities 1.4%		7,589,769
Liability for Trust Certificates, Including Interest Expense and Fees Payable (12.2)%		(66,659,441)
VRDP Shares, at Liquidation Value (52.2)%		(287,100,000)

Net Assets Applicable to Common Shares 100.0%	\$ 549,516,301
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* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 823,108,489
Gross unrealized appreciation	\$ 23,115,523
Gross unrealized depreciation	(17,146,851)
Net unrealized appreciation	\$ 5,968,672

- (a) Variable rate security. Rate shown is as of report date.
- (b) US government securities, held in escrow, are used to pay interest on this security as well as to retire the bond in full at the date indicated, typically at a premium to par.
- (c) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
Merrill Lynch and Co., Inc.	\$ 3,355,616	\$ 80,128

- (d) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (e) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.
- (f) Investments in companies considered to be an affiliate of the Fund during the year, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at April 30, 2010	Net Activity	Shares Held at April 30, 2011	Income
FFI Institutional Tax-Exempt Fund	17,541,876	(7,828,445)	9,713,431	\$ 14,834

- (g) Represents the current yield as of report date.

See Notes to Financial Statements.

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ANNUAL REPORT

APRIL 30, 2011

Schedule of Investments (concluded)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

Financial futures contracts sold as of April 30, 2011 were as follows:

Contracts	Issue	Exchange	Expiration	Notional Value	Unrealized Depreciation
282	10-Year U.S. Treasury Note	Chicago Board of Trade	June 2011	\$ 33,420,870	\$ (740,786)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad levels for financial statement purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Fund's investments and derivative financial instruments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 885,972,542		\$ 885,972,542
Short-Term Securities	\$ 9,713,431			9,713,431
Total	\$ 9,713,431	\$ 885,972,542		\$ 895,685,973

¹ See above Schedule of Investments for values in each state or political subdivision.

Valuation Inputs	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				
Interest rate contracts	\$	(740,786)		\$ (740,786)

² Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

See Notes to Financial Statements.

Schedule of Investments April 30, 2011

BlackRock MuniVest Fund II, Inc. (MVT)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 0.9%		
Prattville IDB Alabama, RB, International Paper Co. Project, Series A, AMT, 4.75%, 12/01/30	\$ 3,025	\$ 2,613,570
Arizona 2.1%		
Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.75%, 7/01/29	1,000	658,990
Pima County IDA, RB, Arizona Charter Schools Project, Series C, 6.75%, 7/01/31	1,915	1,730,815
Pima County IDA, Refunding IDRB, Tucson Electric Power, 5.75%, 9/01/29	1,110	1,106,659
Pima County IDA, Refunding RB, Charter Schools II, Series A, 6.75%, 7/01/21	475	466,232
Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00%, 1/01/38	1,980	1,996,632
		<u>5,959,328</u>
Arkansas 0.5%		
County of Little River Arkansas, Refunding RB, Georgia-Pacific Corp. Project, AMT, 5.60%, 10/01/26	1,660	1,525,606
California 14.9%		
California Health Facilities Financing Authority, Refunding RB:		
St. Joseph Health System, Series A, 5.75%, 7/01/39	2,200	2,057,616
Sutter Health, Series B, 6.00%, 8/15/42	3,170	3,214,729
California State Public Works Board, RB, Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34	1,185	1,224,212
Los Angeles Department of Airports, RB, Series A, 5.25%, 5/15/39	800	796,488
Los Angeles Department of Airports, Refunding RB, Senior, Los Angeles International Airport, Series A, 5.00%, 5/15/40	5,930	5,684,617
San Francisco City & County Public Utilities Commission, RB, Series B, 5.00%, 11/01/39	9,475	9,361,489
State of California, GO, Various Purpose:		
6.00%, 3/01/33	2,525	2,697,836
6.50%, 4/01/33	14,925	16,394,366
		<u>41,431,353</u>
Colorado 2.9%		
Colorado Health Facilities Authority, RB, Catholic Health Initiatives, Series D, 6.25%, 10/01/33	1,060	1,110,488
	2,190	2,000,434

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Colorado Health Facilities Authority, Refunding RB, Sisters of Leavenworth, Series A, 5.00%, 1/01/40		
Colorado Housing & Finance Authority, Refunding RB, S/F Program, Senior Series A-2, AMT, 7.50%, 4/01/31	85	88,267
Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Public Improvement Fee, Tax Increment: 8.00%, 12/01/25	3,300	3,236,376
Subordinate Public Improvement, 8.13%, 12/01/25	820	734,745
University of Colorado, RB, Series A, 5.75%, 6/01/28	750	822,532
		7,992,842

Connecticut 2.3%

Connecticut State Health & Educational Facility Authority, RB:		
Ascension Health Senior Credit, 5.00%, 11/15/40	1,375	1,315,710
Wesleyan University, 5.00%, 7/01/35	3,385	3,437,027
Mohegan Tribe of Indians of Connecticut, RB, Public Improvement, Priority Distribution, 6.25%, 1/01/31	2,000	1,576,420
		6,329,157

Municipal Bonds	Par (000)	Value
Delaware 1.7%		
County of Sussex Delaware, RB, NRG Energy, Inc., Indian River Project, 6.00%, 10/01/40	\$ 1,125	\$ 1,097,629
Delaware State EDA, RB, Exempt Facilities, Indian River Power, 5.38%, 10/01/45	4,065	3,490,656
		4,588,285

District of Columbia 1.9%

Metropolitan Washington Airports Authority, RB: CAB, Second Senior Lien, Series B (AGC), 7.05%, 10/01/33 (a)	6,590	1,529,934
CAB, Second Senior Lien, Series B (AGC), 7.08%, 10/01/34 (a)	4,830	1,015,508
CAB, Second Senior Lien, Series B (AGC), 7.10%, 10/01/35 (a)	6,515	1,269,513
First Senior Lien, Series A, 5.25%, 10/01/44	1,500	1,438,455
		5,253,410

Florida 7.1%

County of Miami-Dade Florida, RB, Water & Sewer System, 5.00%, 10/01/34	5,680	5,564,583
County of Miami-Dade Florida, Refunding RB, Miami International Airport: AMT (AGC), 5.00%, 10/01/40	4,940	4,303,827
Series A-1, 5.38%, 10/01/41	1,165	1,104,420
Fiddlers Creek Community Development District No. 2, Special Assessment Bonds (b)(c): Series A, 6.38%, 5/01/35	2,350	750,355
Series B, 5.75%, 5/01/13	400	127,720
Hillsborough County IDA, RB: H. Lee Moffitt Cancer Center Project, Series A, 5.25%, 7/01/37	1,050	921,564

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National Gypsum Co., Series B, AMT, 7.13%, 4/01/30	2,720	2,381,387
Mid-Bay Bridge Authority, RB, Series A, 7.25%, 10/01/40	2,265	2,255,532
Midtown Miami Community Development District, Special Assessment Bonds, Series A, 6.25%, 5/01/37	915	814,423
Palm Coast Park Community Development District, Special Assessment Bonds, 5.70%, 5/01/37	1,200	696,516
Preserve at Wilderness Lake Community Development District, RB, Series A, 7.10%, 5/01/33	860	840,839
		<u>19,761,166</u>

Georgia 5.7%

DeKalb Private Hospital Authority, Refunding RB, Children's Healthcare, 5.25%, 11/15/39	845	817,090
Fulton County Residential Care Facilities for the Elderly Authority, Refunding RB, Canterbury Court Project, Series A, 6.13%, 2/15/26	2,000	1,763,260
Metropolitan Atlanta Rapid Transit Authority, RB, Third Series, 5.00%, 7/01/39	3,465	3,464,757
Municipal Electric Authority of Georgia, RB, Series W: 6.60%, 1/01/18	5,540	6,355,045
6.60%, 1/01/18 (d)	380	422,176
Municipal Electric Authority of Georgia, Refunding RB, Series X, 6.50%, 1/01/20	1,205	1,408,416
Private Colleges & Universities Authority, Refunding RB, Emory University, Series C, 5.00%, 9/01/38	1,525	1,537,017
		<u>15,767,761</u>

Guam 0.8%

Territory of Guam, GO, Series A: 6.00%, 11/15/19	630	630,397
6.75%, 11/15/29	895	892,431
7.00%, 11/15/39	615	628,432
		<u>2,151,260</u>

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniVest Fund II, Inc. (MVT)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Hawaii 0.5%		
State of Hawaii, Refunding RB, Series A, 5.25%, 7/01/30	\$ 1,355	\$ 1,366,680
Idaho 0.0%		
Idaho Housing & Finance Association, Refunding RB, S/F Mortgage, Senior Series E-2, AMT, 6.90%, 1/01/27	5	5,006
Illinois 15.1%		
City of Chicago Illinois, Refunding RB, General, Third Lien, Series C, 6.50%, 1/01/41 (e)	5,865	6,249,979
City of Chicago Illinois, Special Assessment Bonds, Lake Shore East, 6.75%, 12/01/32	800	725,200
City of Chicago Illinois, Tax Allocation Bonds, Kingsbury Redevelopment Project, Series A, 6.57%, 2/15/13	700	698,838
Illinois Finance Authority, RB:		
Advocate Health Care Network, Series D, 6.50%, 11/01/38	5,000	5,275,800
Community Rehabilitation, 6.50%, 7/01/22	470	450,880
Community Rehabilitation, 6.50%, 7/01/12 (f)	530	572,782
Navistar International, Recovery Zone, 6.50%, 10/15/40	1,540	1,546,745
Illinois Finance Authority, Refunding RB:		
Central DuPage Health, Series B, 5.50%, 11/01/39	1,610	1,530,144
Friendship Village Schaumburg, Series A, 5.63%, 2/15/37	250	190,612
Metropolitan Pier & Exposition Authority, Refunding RB (AGM), McCormick Place Expansion Project:		
Series B, 5.00%, 6/15/50	3,150	2,748,658
Series B-2, 5.00%, 6/15/50	2,500	2,130,975
Railsplitter Tobacco Settlement Authority, RB:		
5.50%, 6/01/23	1,335	1,288,115
6.00%, 6/01/28	1,140	1,096,384
Regional Transportation Authority, RB:		
Series A (AMBAC), 7.20%, 11/01/20	1,380	1,635,990
Series A (NPFGC), 6.70%, 11/01/21	7,000	8,155,350
Series C (NPFGC), 7.75%, 6/01/20	2,500	3,018,325
State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/34	630	609,487
Village of Hodgkins Illinois, RB, MBM Project, AMT, 6.00%, 11/01/23	2,800	2,800,056
Village of Wheeling Illinois, Tax Allocation Bonds, North Milwaukee/Lake-Cook TIF Project, 6.00%, 1/01/25	1,550	1,379,810
		42,104,130

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Indiana 5.8%		
Indiana Finance Authority, RB, Sisters of St. Francis Health, 5.25%, 11/01/39	840	774,858
Indiana Finance Authority, Refunding RB: Ascension Health Senior Credit, Series B-5, 5.00%, 11/15/36	1,500	1,372,755
Parkview Health System, Series A, 5.75%, 5/01/31	3,295	3,315,956
Indiana Health & Educational Facilities Financing Authority, RB, Clarian Health Obligation, Series A, 5.25%, 2/15/40	500	435,940
Indiana Transportation Finance Authority, RB, Series A: 7.25%, 6/01/15	160	160,894
6.80%, 12/01/16	3,290	3,706,054
Indianapolis Local Public Improvement Bond Bank, Refunding RB, Series D, 6.75%, 2/01/14	5,890	6,311,135
		16,077,592

Municipal Bonds	Par (000)	Value
Kansas 0.6%		
Kansas Development Finance Authority, Refunding RB, Sisters of Leavenworth, Series A, 5.00%, 1/01/40	\$ 1,660	\$ 1,586,877
Kentucky 0.3%		
Kentucky Economic Development Finance Authority, Refunding RB, Owensboro Medical Health System, Series A, 6.38%, 6/01/40	1,010	958,268
Louisiana 5.1%		
Louisiana Local Government Environmental Facilities & Community Development Authority, RB, Westlake Chemical Corp., Series A-1, 6.50%, 11/01/35	3,320	3,332,815
Port of New Orleans Louisiana, Refunding RB, Continental Grain Co. Project, 6.50%, 1/01/17	7,500	7,276,650
Sabine River Authority Louisiana, Refunding RB, International Paper Co. Project, 6.20%, 2/01/25	3,600	3,606,624
		14,216,089

Maryland 1.8%		
County of Montgomery Maryland, GO, West Germantown Development District, Senior Series A (Radian), 6.70%, 7/01/27	1,175	1,210,908
Maryland Community Development Administration, Refunding RB, Residential, Series D, AMT, 4.90%, 9/01/42	1,500	1,348,035
Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 6/01/35	435	397,894
Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 9/01/25	830	794,169
Maryland Health & Higher Educational Facilities Authority, RB, University of Maryland Medical System, Series B (NPFGC), 7.00%, 7/01/22	1,000	1,148,480
		4,899,486

Massachusetts 4.2%		
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Massachusetts HFA, HRB, Series A, AMT, 5.20%, 12/01/37	3,000	2,795,730
Massachusetts HFA, RB, S/F, Series 130, AMT, 5.00%, 12/01/32	2,720	2,542,710
Massachusetts HFA, Refunding HRB, AMT: Series D, 4.85%, 6/01/40	2,770	2,441,949
Series F, 5.70%, 6/01/40	2,185	2,109,749
Massachusetts Health & Educational Facilities Authority, Refunding RB, Partners Healthcare, Series J1, 5.00%, 7/01/39	1,805	1,688,595
		11,578,733

Michigan 7.5%

City of Detroit Michigan, RB, Senior Lien, Series B (AGM), 7.50%, 7/01/33	910	1,061,670
Flint Hospital Building Authority Michigan, Refunding RB, Hurley Medical Center (ACA), 6.00%, 7/01/20	2,695	2,542,328
Kalamazoo Hospital Finance Authority, Refunding RB, Bronson Methodist Hospital, 5.50%, 5/15/36	1,380	1,313,401
Michigan State Hospital Finance Authority, Refunding RB: Henry Ford Health System, Series A, 5.25%, 11/15/46	7,050	5,882,238
McLaren Health Care, 5.75%, 5/15/38	8,560	8,579,346
Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, 8.25%, 9/01/39	1,400	1,587,278
		20,966,261

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniVest Fund II, Inc. (MVT)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Mississippi 1.5%		
County of Lowndes Mississippi, Refunding RB, Weyerhaeuser Co. Project, Series A, 6.80%, 4/01/22	\$ 3,000	\$ 3,108,810
University of Southern Mississippi, RB, Campus Facilities Improvements Project, 5.38%, 9/01/36	1,065	1,085,342
		<u>4,194,152</u>
Nevada 0.2%		
County of Clark Nevada, Special Assessment Bonds, Special Improvement District No. 142, Local Improvement, 6.38%, 8/01/23	565	559,966
New Jersey 2.8%		
New Jersey EDA, RB: Cigarette Tax, 5.50%, 6/15/24	2,420	2,250,673
Continental Airlines Inc. Project, AMT, 6.25%, 9/15/29	3,000	2,734,470
New Jersey Health Care Facilities Financing Authority, RB, Pascack Valley Hospital Association, 6.63%, 7/01/36 (b)(c)	1,680	17
New Jersey State Housing & Mortgage Finance Agency, RB, Series AA, 6.38%, 10/01/28	1,210	1,291,518
Tobacco Settlement Financing Corp. New Jersey, Refunding RB, Series 1A, 4.50%, 6/01/23	1,910	1,609,060
		<u>7,885,738</u>
New York 9.5%		
Metropolitan Transportation Authority, RB, Series 2008C, 6.50%, 11/15/28	9,405	10,571,220
Metropolitan Transportation Authority, Refunding RB, Transportation, Series D, 5.25%, 11/15/40	1,205	1,180,165
New York City Industrial Development Agency, RB: British Airways Plc Project, AMT, 7.63%, 12/01/32	1,920	1,926,701
Series C, 6.80%, 6/01/28	690	711,452
Special Needs Facilities Pooled Program, Series C-1, 6.50%, 7/01/17	890	854,622
New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-3, 5.25%, 1/15/39	6,700	6,771,355
New York Liberty Development Corp., Refunding RB, Second Priority, Bank of America Tower at One Bryant Park Project, 6.38%, 7/15/49	1,220	1,221,147
Port Authority of New York & New Jersey, RB, JFK International Air Terminal: 6.00%, 12/01/36	1,165	1,124,365

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6.00%, 12/01/42	1,250	1,194,500
Westchester County Industrial Development Agency New York, RB, Special Needs Facilities Pooled Program, Series E-1, 6.50%, 7/01/17	1,000	960,250
		26,515,777

North Carolina 1.5%

Gaston County Industrial Facilities & Pollution Control Financing Authority North Carolina, RB, Exempt Facilities, National Gypsum Co. Project, AMT, 5.75%, 8/01/35	1,675	1,264,759
North Carolina Medical Care Commission, RB, Duke University Health System, Series A, 5.00%, 6/01/42	1,400	1,332,184
North Carolina Medical Care Commission, Refunding RB, Carolina Village Project, 6.00%, 4/01/38	2,000	1,647,060
		4,244,003

Municipal Bonds	Par (000)	Value
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Pennsylvania 5.3%

Allegheny County Hospital Development Authority, Refunding RB, Health System, West Penn, Series A, 5.38%, 11/15/40	\$ 4,250	\$ 3,158,642
Bucks County IDA, RB, Ann s Choice Inc. Facility, Series A, 6.13%, 1/01/25	880	825,326
Lancaster County Hospital Authority, RB, Brethren Village Project, Series A, 6.50%, 7/01/40	2,000	1,859,740
Montgomery County IDA Pennsylvania, MRB, Whitemarsh Continuing Care, 6.13%, 2/01/28	470	393,926
Pennsylvania Economic Development Financing Authority, RB: Aqua Pennsylvania Inc. Project, 5.00%, 11/15/40	1,890	1,858,437
National Gypsum Co., Series B, AMT, 6.13%, 11/01/27	2,000	1,612,800
Pennsylvania Turnpike Commission, RB, Sub-Series B, 5.25%, 6/01/39	3,915	3,748,652
Philadelphia Authority for Industrial Development, RB, Commercial Development, AMT, 7.75%, 12/01/17	1,265	1,265,607
		14,723,130

Puerto Rico 2.5%

Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series C, 6.00%, 7/01/39	2,490	2,436,764
Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.50%, 8/01/44	4,255	4,439,241
		6,876,005

South Carolina 1.2%

South Carolina State Ports Authority, RB, 5.25%, 7/01/40	3,280	3,236,343
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Tennessee 0.3%

	1,000	896,780
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Johnson City Health & Educational Facilities Board, RB,
Appalachian Christian Village Project, Series A, 6.00%,
2/15/24

Texas 10.4%

Brazos River Authority, Refunding RB, Texas Utility Co., Series, AMT, 7.70%, 4/01/33	1,500	630,660
Brazos River Harbor Navigation District, Refunding RB, Dow Chemical Co. Project, Series A7, AMT, 6.63%, 5/15/33	3,000	3,020,700
City of Dallas Texas, Refunding RB, 5.00%, 10/01/35	1,510	1,565,055
City of Houston Texas, RB, Special Facilities, Continental Airlines, Series E, AMT, 6.75%, 7/01/21	4,820	4,722,443
Harris County Health Facilities Development Corp., Refunding RB, Memorial Hermann Healthcare System, Series B, 7.25%, 12/01/35	2,000	2,169,480
North Texas Tollway Authority, Refunding RB, First Tier, Series A, 6.25%, 1/01/39	7,000	7,135,730
Sabine River Authority Texas, Refunding RB, TXU Electric Co. Project, Series B, Mandatory Put Bonds, AMT, 5.75%, 5/01/30 (g)	2,250	2,203,560
Texas Private Activity Bond Surface Transportation Corp., RB Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40	3,950	4,024,576
NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39	3,375	3,462,412
		28,934,616

U.S. Virgin Islands 2.1%

United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21	6,000	5,804,220
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Utah 0.9%

City of Riverton Utah, RB, IHC Health Services Inc., 5.00%, 8/15/41	2,780	2,575,892
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See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniVest Fund II, Inc. (MVT)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Virginia 1.3%		
Fairfax County EDA, Refunding RB, Goodwin House Inc.:		
5.13%, 10/01/37	\$ 1,000	\$ 857,650
5.13%, 10/01/42	3,440	2,889,600
		<u>3,747,250</u>
Washington 2.1%		
Washington Health Care Facilities Authority, RB, Swedish Health Services, Series A, 6.75%, 11/15/41	1,980	2,052,943
Washington Health Care Facilities Authority, Refunding RB, Catholic Health Initiatives, Series D, 6.38%, 10/01/36	3,700	3,874,270
		<u>5,927,213</u>
Wisconsin 4.4%		
State of Wisconsin, Refunding RB, Series A, 6.00%, 5/01/36	7,100	7,631,506
Wisconsin Health & Educational Facilities Authority, RB: Ascension Health Senior Credit Group, 5.00%, 11/15/33	2,465	2,318,924
SynergyHealth Inc., 6.00%, 11/15/32	2,215	2,225,854
		<u>12,176,284</u>
Total Municipal Bonds 127.7%		<u>355,430,229</u>

**Municipal Bonds Transferred to
Tender Option Bond Trusts (h)**

California 3.4%		
Bay Area Toll Authority, Refunding RB, San Francisco Bay Area, Series F-1, 5.63%, 4/01/44	3,271	3,376,857
California Educational Facilities Authority, RB, University of Southern California, Series B, 5.25%, 10/01/39	2,610	2,677,599
Los Angeles Community College District California, GO, Election of 2001, Series A (AGM), 5.00%, 8/01/32	2,290	2,272,047
San Diego Community College District California, GO, Election of 2002, 5.25%, 8/01/33	1,077	1,094,768
		<u>10,421,271</u>

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9,421,271

Colorado 0.8%		
Colorado Health Facilities Authority, Refunding RB, Catholic Health, Series A, 5.50%, 7/01/34	2,129	2,132,033
Connecticut 2.2%		
Connecticut State Health & Educational Facility Authority, RB, Yale University, Series Z-3, 5.05%, 7/01/42	6,000	6,130,320
Illinois 1.6%		
City of Chicago Illinois Water, Refunding RB, Second Lien (AGM), 5.25%, 11/01/33	1,320	1,324,448
Illinois State Toll Highway Authority, RB, Series B, 5.50%, 1/01/33	2,999	3,032,599
		4,357,047
Maryland 0.8%		
Maryland State Transportation Authority, RB, Transportation Facility Project (AGM), 5.00%, 7/01/41	2,290	2,320,137
Massachusetts 3.7%		
Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30	10,000	10,243,600
Municipal Bonds Transferred to Tender Option Bond Trusts (h)	Par (000)	Value
New Hampshire 0.7%		
New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth College, 5.25%, 6/01/39	\$ 2,009	\$ 2,081,214
New York 4.9%		
New York City Municipal Water & Sewer Finance Authority, RB: Series DD, 5.00%, 6/15/37	6,299	6,302,366
Series FF-2, 5.50%, 6/15/40	1,575	1,641,485
New York State Dormitory Authority, ERB, Series F, 5.00%, 3/15/35	5,790	5,797,270
		13,741,121
North Carolina 2.2%		
North Carolina Capital Facilities Finance Agency, Refunding RB, Duke University Project, Series A, 5.00%, 10/01/41	6,239	6,286,036
Ohio 5.8%		
Ohio Higher Educational Facility Commission, Refunding RB, Hospital, Cleveland Clinic Health, Series A, 5.25%, 1/01/33	2,400	2,345,160
State of Ohio, Refunding RB, Cleveland Clinic Health, Series A, 5.50%, 1/01/39	13,840	13,722,222
		16,067,382

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South Carolina 1.9%

South Carolina State Public Service Authority, RB, Santee Cooper, Series A, 5.50%, 1/01/38	4,995	5,236,458
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Texas 6.5%

Harris County Health Facilities Development Corp., Refunding RB, School Health Care System, Series B, 5.75%, 7/01/27 (d)	10,000	11,851,500
Texas Department of Housing & Community Affairs, MRB, Series B, AMT (Ginnie Mae), 5.25%, 9/01/32	3,531	3,433,952
Texas State University Systems, Refunding RB (AGM), 5.00%, 3/15/30	2,743	2,783,528

18,068,980

Washington 6.1%

Central Puget Sound Regional Transit Authority, RB, Series A: 5.00%, 11/01/34	5,000	5,038,650
5.00%, 11/01/36	4,000	4,030,920
(AGM), 5.00%, 11/01/32	7,693	7,834,500

16,904,070

Wisconsin 0.8%

Wisconsin Health & Educational Facilities Authority, Refunding RB, Froedtert & Community Health Inc., 5.25%, 4/01/39	2,499	2,287,821
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**Total Municipal Bonds Transferred to
Tender Option Bond Trusts 41.4%**

115,277,490

**Total Long-Term Investments
(Cost \$470,942,491) 169.1%**

470,707,719

See Notes to Financial Statements.

Schedule of Investments (concluded)

BlackRock MuniVest Fund II, Inc. (MVT)
(Percentages shown are based on Net Assets)

Short-Term Securities	Shares	Value
FFI Institutional Tax-Exempt Fund, 0.23% (i)(j)	5,653,323	\$ 5,653,323
	Par (000)	
Michigan Finance Authority, RB, SAN, Detroit Schools, Series A-1, 6.45%, 2/02/12	\$ 3,255	3,275,409
Total Short-Term Securities (Cost \$8,908,323) 3.2%		8,928,732
Total Investments (Cost \$479,850,814*) 172.3%		479,636,451
Other Assets Less Liabilities 0.3%		767,484
Liability for Trust Certificates, Including		
Interest Expense and Fees Payable (22.3)%		(62,094,919)
AMPS, at Redemption Value (50.3)%		(140,025,090)
Net Assets 100.0%		\$ 278,283,926

* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2011, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 418,792,193
Gross unrealized appreciation	\$ 15,854,725
Gross unrealized depreciation	(17,055,243)
Net unrealized depreciation	\$ (1,200,518)

- (a) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (b) Issuer filed for bankruptcy and/or is in default of interest payments.
- (c) Non-income producing security.
- (d) Security is collateralized by Municipal or US Treasury obligations.
- (e) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
CitiGroup Global Markets	\$ 6,249,979	\$ 63,108

- (f) US government securities, held in escrow, are used to pay interest on this security as well as to retire the bond in full at the date indicated, typically at a premium to par.
- (g) Variable rate security. Rate shown is as of report date.
- (h) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction. See Note 1 of the Notes to Financial Statements for details of municipal bonds transferred to TOBs.
- (i) Investments in companies considered to be an affiliate of the Fund during the year, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at April 30, 2010	Net Activity	Shares Held at April 30, 2011	Income
FFI Institutional Tax-Exempt Fund	552,231	5,101,092	5,653,323	\$ 7,593

- (j) Represents the current yield as of report date.

Financial futures contracts sold as of April 30, 2011 were as follows:

Contracts	Issue	Exchange	Expiration	Notional Value	Unrealized Depreciation
204	10-Year U.S. Treasury Note	Chicago Board of Trade	June 2011	\$ 24,176,800	\$ (535,888)

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs are summarized in three broad levels for financial statement purposes as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

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Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to Note 1 of the Notes to Financial Statements.

The following tables summarize the inputs used as of April 30, 2011 in determining the fair valuation of the Fund's investments and derivative financial instruments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments ¹		\$ 470,707,719		\$ 470,707,719
Short-Term Securities	\$ 5,653,323	3,275,409		8,928,732
Total	\$ 5,653,323	\$ 473,983,128		\$ 479,636,451

¹ See above Schedule of Investments for values in each state or political subdivision.

Valuation Inputs	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				
Interest rate contracts	\$ (535,888)			\$ (535,888)

² Derivative financial instruments are financial futures contracts, which are valued at the unrealized appreciation/depreciation on the instrument.

See Notes to Financial Statements.

Statements of Assets and Liabilities

April 30, 2011	BlackRock MuniAssets Fund, Inc. (MUA)	BlackRock MuniEnhanced Fund, Inc. (MEN)	BlackRock MuniHoldings Fund, Inc. (MHD)	BlackRock MuniHoldings Fund II, Inc. (MUH)	BlackRock MuniHoldings Quality Fund, Inc. (MUS)	BlackRock Muni Intermediate Duration Fund, Inc. (MUI)	BlackRock MuniVest Fund II, Inc. (MVT)
Assets							
Investments at value unaffiliated	\$ 445,412,074	\$ 498,398,208	\$ 325,746,415	\$ 238,884,060	\$ 271,442,320	\$ 885,972,542	\$ 473,983,128
Investments at value affiliated	1,560,240	3,470,954	6,564,515	3,999,689	6,952,084	9,713,431	5,653,323
Cash pledged as collateral for financial futures contracts	225,000	330,000	295,000	220,000	120,000	545,000	395,000
Cash					9,375		
TOB Trust receivable	5,070,000						
Investments sold receivable	1,035,641		100,000	50,000	277,688	2,625,029	40,000
Interest receivable	8,553,795	7,723,989	5,685,111	3,996,253	4,199,855	14,035,991	8,689,030
Income receivable affiliated						279	
Prepaid expenses	21,655	30,012	15,672	17,739	12,046	61,829	19,632
Other assets						103,224	
Deferred offering costs		68,382				1,044,207	
Total assets	461,878,405	510,021,545	338,406,713	247,167,741	283,013,368	914,101,532	488,780,113
Accrued Liabilities							
Bank overdraft		347	454			145,852	
Investments purchased payable	2,211,527	236,158	4,277,538	3,096,073	1,418,814	6,879,589	6,186,871
Income dividends payable							
Common Shares	2,233,870	1,678,830	1,266,850	914,904	958,674	2,719,498	1,828,858
Investment advisory fees payable	209,335	212,230	153,596	112,127	113,214	417,176	201,581
Margin variation payable	21,750	31,875	28,500	21,375	20,625	52,875	38,250
Interest expense and fees payable	7,291	58,356	31,579	24,893	22,805	50,629	50,143
Officers and Directors fees payable	1,260	945	868	398	505	106,416	1,173
Offering costs payable		68,382				317,772	
Other accrued expenses payable	191,469	299,231	85,604	68,434	89,377	186,612	119,445
Total accrued liabilities	4,876,502	2,586,354	5,844,989	4,238,204	2,624,014	10,876,419	8,426,321
Other Liabilities							
Trust certificates ³	23,111,092	61,582,907	43,487,622	33,617,184	31,665,414	66,608,812	62,044,776
VRDP Shares, at liquidation value of \$100,000 per share ^{4,5}						287,100,000	
Total other liabilities	23,111,092	61,582,907	43,487,622	33,617,184	31,665,414	353,708,812	62,044,776
Total Liabilities	27,987,594	64,169,261	49,332,611	37,855,388	34,289,428	364,585,231	70,471,097

AMPS at Redemption Value

\$25,000 per share at liquidation preference, plus unpaid dividends ^{4,5}	142,588,554	83,705,661	55,053,584	87,004,310	140,025,090
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Net Assets Applicable to Common Shareholders

\$ 433,890,811	\$ 303,263,730	\$ 205,368,441	\$ 154,258,769	\$ 161,719,630	\$ 549,516,301	\$ 278,283,926
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¹ Investments at cost unaffiliated	\$ 466,433,218	\$ 506,317,873	\$ 333,161,016	\$ 242,181,740	\$ 273,218,071	\$ 880,653,596	\$ 474,197,491
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² Investments at cost affiliated	\$ 1,560,240	\$ 3,470,954	\$ 6,564,515	\$ 3,999,689	\$ 6,952,084	\$ 9,713,431	\$ 5,653,323
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³ Represents short-term floating rate certificates issued by TOBs

⁴ AMPS/VRDP Shares outstanding:

Par value \$0.025 per share	4,575
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Par value \$0.05 per share	4,320
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Par value \$0.10 per share	1,128	3,348	2,202	3,480	2,871	1,280
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⁵ AMPS/VRDP Shares authorized	7,480	5,000	3,480	5,360	15,671	7,000
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See Notes to Financial Statements.

Statements of Assets and Liabilities (concluded)

April 30, 2011	BlackRock MuniAssets Fund, Inc. (MUA)	BlackRock MuniEnhanced Fund, Inc. (MEN)	BlackRock MuniHoldings Fund, Inc. (MHD)	BlackRock MuniHoldings Fund II, Inc. (MUH)	BlackRock MuniHoldings Quality Fund, Inc. (MUS)	BlackRock Muni Intermediate Duration Fund, Inc. (MUI)	BlackRock MuniVest Fund II, Inc. (MVT)
Net Assets Applicable to Common Shareholders Consist of							
Paid-in capital ^{6,7}	\$ 479,397,343	\$ 315,451,778	\$ 208,494,144	\$ 154,320,908	\$ 174,480,906	\$ 540,458,418	\$ 282,471,742
Undistributed net investment income	1,662,370	5,981,672	4,260,439	3,703,185	3,342,889	9,402,200	5,996,321
Undistributed (accumulated) net realized gain (loss)	(25,843,038)	(9,803,482)	427,748	(168,177)	(14,170,800)	(4,922,477)	(9,433,886)
Net unrealized appreciation/depreciation	(21,325,864)	(8,366,238)	(7,813,890)	(3,597,147)	(1,933,365)	4,578,160	(750,251)
Net Assets Applicable to Common Shareholders	\$ 433,890,811	\$ 303,263,730	\$ 205,368,441	\$ 154,258,769	\$ 161,719,630	\$ 549,516,301	\$ 278,283,926
Net asset value per Common Share	\$ 12.14	\$ 10.30	\$ 14.67	\$ 13.74	\$ 12.48	\$ 14.45	\$ 13.47
⁶ Common shares outstanding, \$0.10 par value	35,741,923	29,453,152	13,998,348	11,225,822	12,955,055	38,034,934	20,664,937
⁷ Common Shares authorized	200 million	200 million	200 million	200 million	200 million	200 million	200 million

See Notes to Financial Statements.

Statements of Operations

Year Ended April 30, 2011	BlackRock MuniAssets Fund, Inc. (MUA)	BlackRock MuniEnhanced Fund, Inc. (MEN)	BlackRock MuniHoldings Fund, Inc. (MHD)	BlackRock MuniHoldings Fund II, Inc. (MUH)	BlackRock MuniHoldings Quality Fund, Inc. (MUS)	BlackRock Muni Intermediate Duration Fund, Inc. (MUI)	BlackRock MuniVest Fund II, Inc. (MVT)
Investment Income							
Interest	\$ 20,202,378	\$ 25,441,021	\$ 18,588,449	\$ 13,454,146	\$ 13,836,330	\$ 44,204,013	\$ 27,038,498
Income affiliated	4,801	9,877	5,499	3,240	13,319	14,834	7,593
Total income	20,207,179	25,450,898	18,593,948	13,457,386	13,849,649	44,218,847	27,046,091
Expenses							
Investment advisory	1,687,308	2,583,323	1,874,413	1,366,423	1,570,594	5,002,868	2,450,653
Reorganization	216,405						
Accounting services	69,462	97,113	70,885	57,800	58,344	144,940	91,876
Professional	69,000	107,482	171,503	67,809	82,991	223,911	106,453
Transfer agent	47,356	74,513	42,599	35,202	36,254	87,354	58,306
Officer and Directors	29,989	35,236	24,218	17,809	18,875	74,113	32,544
Custodian	19,453	27,791	19,690	14,950	16,649	44,297	25,501
Printing	18,096	28,535	19,309	15,167	18,802	50,549	26,680
Registration	9,661	10,277	9,534	9,405	9,733	13,201	16,317
Commissions for AMPS		213,567	126,504	83,029	129,121	402,504	209,051
Liquidity fees		178,125				1,218,381	
Miscellaneous	29,849	71,277	55,558	49,936	61,301	104,462	77,094
Total expenses excluding interest expense, fees and amortization of offering costs	2,196,579	3,427,239	2,414,213	1,717,530	2,002,664	7,366,580	3,094,475
Interest expense, fees and amortization of offering costs ¹	110,566	459,275	328,214	251,164	240,693	735,807	459,187
Total expenses	2,307,145	3,886,514	2,742,427	1,968,694	2,243,357	8,102,387	3,553,662
Less fees waived by advisor	(1,532)	(2,604)	(1,607)	(970)	(160,621)	(116,534)	(2,329)
Total expenses after fees waived	2,305,613	3,883,910	2,740,820	1,967,724	2,082,736	7,985,853	3,551,333
Net investment income	17,901,566	21,566,988	15,853,128	11,489,662	11,766,913	36,232,994	23,494,758