

BLACKROCK APEX MUNICIPAL FUND INC  
Form N-CSR  
July 02, 2009

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
**FORM N-CSR**

**CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT  
INVESTMENT COMPANIES**

Investment Company Act file number 811-05227

Name of Fund: BlackRock Apex Municipal Fund, Inc. (APX)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Donald C. Burke, Chief Executive Officer, BlackRock Apex Municipal Fund, Inc., 800 Scudders Mill Road, Plainsboro, NJ, 08536. Mailing address: P.O. Box 9011, Princeton, NJ, 08543-9011

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 04/30/2009

Date of reporting period: 04/30/2009

Item 1 – Report to Stockholders

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EQUITIES FIXED INCOME REAL ESTATE LIQUIDITY ALTERNATIVES BLACKROCK SOLUTIONS

## Annual Report

APRIL 30, 2009

BlackRock Apex Municipal Fund, Inc. (APX)

BlackRock MuniAssets Fund, Inc. (MUA)

BlackRock MuniEnhanced Fund, Inc. (MEN)

BlackRock MuniHoldings Fund, Inc. (MHD)

BlackRock MuniHoldings Fund II, Inc. (MUH)

BlackRock MuniHoldings Insured Fund, Inc. (MUS)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

BlackRock MuniVest Fund II, Inc. (MVT)

NOT FDIC INSURED

MAY LOSE VALUE

NO BANK GUARANTEE

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**Dear Shareholder**

The past 12 months reveal a tale of two markets – one of investor pessimism and decided weakness, and another of optimism and some early signs of recovery. The majority of the past year was characterized by the former as the global financial crisis erupted into the worst recession in decades. Economic data were uniformly poor and daily headlines recounted the downfalls of storied financial firms, volatile swings in global financial markets, and monumental government actions that included widespread (and globally coordinated) monetary and quantitative easing by central banks and large-scale fiscal stimuli. Sentiment improved noticeably in March 2009, however, on the back of new program announcements by the Treasury and Federal Reserve Board, as well as signs of improved economic performance, such as in retail sales, consumer confidence and select areas of the housing market.

Against this backdrop, US equities contended with unprecedented levels of volatility, posting steep declines early, and then pared some of those losses in March and April. The experience in international markets was similar to that in the United States, though there was a marked divergence in regional performance. Notably, emerging economies, which lagged most developed regions through the downturn, were among the market leaders during the late-period rally.

In fixed income markets, while risk aversion remained a dominant theme overall, relatively attractive yields and distressed valuations, alongside a more favorable macro environment, eventually captured investor attention, leading to a modest recovery in non-Treasury assets. A notable example from the opposite end of the credit spectrum was the high yield sector, which generally outperformed in the first four months of 2009 after extraordinary challenges and severe underperformance last year. At the same time, the new year ushered in a return to normalcy for the tax-exempt market, which had registered one of its worst years on record in 2008.

All told, the major benchmark indexes posted mixed results for the current reporting period, reflective of a bifurcated market.

<b>Total Returns as of April 30, 2009</b>	<b>6-month</b>	<b>12-month</b>
US equities (S&P 500 Index)	(8.53)%	(35.31)%
Small cap US equities (Russell 2000 Index)	(8.40)	(30.74)
International equities (MSCI Europe, Australasia, Far East Index)	(2.64)	(42.76)
US Treasury securities (Merrill Lynch 10-Year US Treasury Index)	8.98	9.30
Taxable fixed income (Barclays Capital US Aggregate Bond Index)	7.74	3.84
Tax-exempt fixed income (Barclays Capital Municipal Bond Index)	8.20	3.11
High yield bonds (Barclays Capital US Corporate High Yield 2% Issuer Capped Index)	16.39	(12.55)

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

On June 16, 2009, BlackRock, Inc. announced that it received written notice from Barclays PLC ( Barclays ) in which Barclays Board of Directors had accepted BlackRock’s offer to acquire Barclays Global Investors ( BGI ). Barclays also notified BlackRock that its Board will recommend the transaction to Barclays’ shareholders for approval at a special meeting to be held in early August 2009. The combination of BlackRock and BGI will bring together market leaders in active and index strategies to create the preeminent asset management firm. The transaction is expected to close in the fourth quarter 2009 following approval by Barclays’ shareholders, the receipt of client consents and regulatory approvals, and satisfaction of customary closing conditions.

Through periods of market turbulence, as ever, BlackRock’s full resources are dedicated to the management of our clients’ assets. We thank you for entrusting BlackRock with your investments and look forward to continuing to serve you in the months and years ahead.

Sincerely,

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Rob Kapito  
President, BlackRock Advisors, LLC

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THIS PAGE NOT PART OF YOUR FUND REPORT

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Fund Summary as of April 30, 2009

BlackRock Apex Municipal Fund, Inc.

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**Investment Objective**


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**BlackRock Apex Municipal Fund, Inc. (APX) (the Fund)** seeks to provide shareholders with 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 is exempt from federal income taxes in the opinion of bond counsel to the issuer. No assurance can be given that the Fund's investment objective will be achieved.

The Fund's year end was changed to April 30.

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**Performance**


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For the 10 months ended April 30, 2009, the Fund returned (11.58)% based on market price and (10.81)% 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 (17.67)% on a market price basis and (16.21)% on a NAV basis. 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. Factors that contributed to the Fund's outperformance included an up-in-quality bias and a below-market duration stance, offset somewhat by a moderately below-average distribution yield. Recent efforts to lengthen duration and increase credit risk exposure have proven to be beneficial, given the sharp recovery in credit spreads and overall improved market tone.

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.

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**Fund Information**


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Symbol on New York Stock Exchange	APX
Initial Offering Date	July 25, 1989
Yield on Closing Market Price as of April 30, 2009 (\$7.72) <sup>1</sup>	7.23%
Tax Equivalent Yield <sup>2</sup>	11.12%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.0465
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.5580
Leverage as of April 30, 2009 <sup>4</sup>	5%

<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The distribution is not constant and is subject to change.

<sup>4</sup> 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 utilized

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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:

	4/30/09	6/30/08	Change	High	Low
Market Price	\$ 7.72	\$ 9.28	(16.81)%	\$ 9.70	\$ 5.55
Net Asset Value	\$ 7.67	\$ 9.14	(16.08)%	\$ 9.21	\$ 6.91

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

### Sector Allocations

	4/30/09	6/30/08
Corporate	24%	21%
Health	22	26
County/City/Special District/School District	20	23
Transportation	11	9
Education	6	5
Housing	6	7
Utilities	6	4
Tobacco	3	2
State	2	3

### Credit Quality Allocations<sup>5</sup>

	4/30/09	6/30/08
AAA/Aaa	7%	7%
AA/Aa	5	7
A/A	12	4
BBB/Baa	23	18
BB/Ba	10	11
B/B	5	5
CCC/Caa	3	4
CC/Ca		1
Not Rated <sup>6</sup>	35	43

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

<sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2009 and June 30, 2008, the market value of these securities was \$8,923,111 representing 6% and \$8,940,500, representing 5%, respectively, of the Fund's long-term investments.





Fund Summary as of April 30, 2009

BlackRock MuniAssets Fund, Inc.

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**Investment Objective**


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**BlackRock MuniAssets Fund, Inc. (MUA) (the Fund)** seeks to provide shareholders with 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 to the issuer, is exempt from federal income taxes. No assurance can be given that the Fund's investment objective will be achieved.

The Fund's year end was changed to April 30.

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**Performance**


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For the 11 months ended April 30, 2009, the Fund returned (12.45)% based on market price and (11.29)% based on NAV. For the same period, the closed-end Lipper High Yield Municipal Debt Funds category posted an average return of (18.93)% on a market price basis and (17.73)% on a NAV basis. 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. Factors contributing to the Fund's outperformance include an up-in-quality bias and a below-market duration stance, offset somewhat by a moderately below-average distribution yield. Recent efforts to lengthen duration and increase credit risk exposure have proven to be beneficial, given the sharp recovery in credit spreads and overall improved market tone.

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**Fund Information**


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Symbol on New York Stock Exchange	MUA
Initial Offering Date	June 25, 1993
Yield on Closing Market Price as of April 30, 2009 (\$10.91) <sup>1</sup>	7.42%
Tax Equivalent Yield <sup>2</sup>	11.42%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.0675
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.8100
Leverage as of April 30, 2009 <sup>4</sup>	5%

<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The distribution is not constant and is subject to change.

<sup>4</sup> Represents 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.

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

	4/30/09	5/31/08	Change	High	Low
Market Price	\$ 10.91	\$ 13.35	(18.28)%	\$ 13.55	\$ 7.28
Net Asset Value	\$ 10.59	\$ 12.79	(17.20)%	\$ 12.84	\$ 9.54

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

### Sector Allocations

	4/30/09	5/31/08
Corporate	26%	27%
Health	25	26
County/City/Special District/School District	18	19
Transportation	12	6
Utilities	7	7
Education	4	9
Housing	4	1
State	2	3
Tobacco	2	2

### Credit Quality Allocations<sup>5</sup>

	4/30/09	5/31/08
AAA/Aaa	9%	12%
AA/Aa	3	4
A/A	19	7
BBB/Baa	19	15
BB/Ba	9	10
B/B	5	5
CCC/Caa	3	4
CC/Ca	1	
Not Rated <sup>6</sup>	32	43

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

<sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2009 and May 31, 2008 the market value of these securities was \$12,884,659 representing 6% and \$12,388,252 representing 5%, respectively, of the Fund's long-term investments.



Fund Summary as of April 30, 2009

BlackRock MuniEnhanced Fund, Inc.

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**Investment Objective**


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**BlackRock MuniEnhanced Fund, Inc. (MEN) (the Fund)** seeks to provide shareholders with as high a level of current income exempt from federal income taxes as is consistent with its investment policies by investing primarily in a portfolio of long-term, investment grade municipal obligations, the interest on which is exempt from federal income taxes in the opinion of the bond counsel to the issuer. No assurance can be given that the Fund's investment objective will be achieved.

The Fund's year end was changed to April 30.

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**Performance**


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For the three months ended April 30, 2009, the Fund returned 8.48% based on market price and 8.40% based on NAV. For the same period, the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of 6.96% on a market price basis and 5.92% on a NAV basis. All returns reflect reinvestment of dividends. The Fund's discount to NAV, which narrowed during the period, accounts for the difference between performance based on price and performance based on NAV. During the period, the Fund benefited from its above-average yield. Performance also was aided by our constructive market positioning during a period of declining yields, a higher-than-average exposure to the longer end of the yield curve (as it flattened) and, finally, the stabilization of credit spreads, which began to tighten toward the end of the period. The Fund is more sensitive to credit spreads, in general, since the downgrades of the monoline insurers and, in particular, because of greater-than-average exposure to weaker underlying insured bonds. The municipal market generally returned to more typical functioning after an extended period of volatility, which allowed us to continue upgrading the Fund's overall credit quality.

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**Fund Information**


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Symbol on New York Stock Exchange	MEN
Initial Offering Date	March 2, 1989
Yield on Closing Market Price as of April 30, 2009 (\$8.88) <sup>1</sup>	5.81%
Tax Equivalent Yield <sup>2</sup>	8.94%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.043
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.516
Leverage as of April 30, 2009 <sup>4</sup>	42%

<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The Monthly Distribution per Share, declared on June 1, 2009, was increased to \$0.0505. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution rate is not constant and is subject to further change in the future.

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<sup>4</sup> Represents Auction Market Preferred Shares ( Preferred Shares ) and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred 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:

	4/30/09	1/31/09	Change	High	Low
Market Price	\$ 8.88	\$ 8.31	6.86%	\$ 8.99	\$ 7.59
Net Asset Value	\$ 9.77	\$ 9.15	6.78%	\$ 9.94	\$ 9.14

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

### Sector Allocations

	4/30/09	1/31/09
County/City/Special District/School District	29%	26%
Transportation	23	24
State	21	22
Utilities	12	14
Corporate	4	4
Health	4	5
Housing	4	3
Education	2	1
Tobacco	1	1

### Credit Quality Allocations<sup>5</sup>

	4/30/09	1/31/09
AAA/Aaa	45%	47%
AA/Aa	33	30
A/A	19	20
BBB/Baa	3	3

<sup>5</sup> Using the higher of S&P's or Moody's ratings.



Fund Summary as of April 30, 2009

BlackRock MuniHoldings Fund, Inc.

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**Investment Objective**


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**BlackRock MuniHoldings Fund, Inc. (MHD) (the Fund)** seeks to provide shareholders with current income exempt from federal income taxes by investing primarily in a portfolio of long-term, investment grade municipal obligations the interest on which, in the opinion of bond counsel to the issuers, is exempt from federal income taxes. No assurance can be given that the Fund's investment objective will be achieved.

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**Performance**


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For the 12 months ended April 30, 2009, the Fund returned (12.97)%, based on market price and (6.24)% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (9.85)% on a market price basis and (9.02)% on a NAV basis. 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. Portfolio positioning, with respect to duration, was generally neutral, while a bias toward limiting exposure to longer-dated bonds proved to be beneficial, given a steepening yield curve environment. In general, the Fund's credit profile consistently reflected a high level of exposure to the lower end of the ratings spectrum. While this strategy generates an above-average dividend yield, it also subjects the Fund to additional volatility during periods when credit spreads are fluctuating. Consequently, performance tended to suffer late in 2008 when spreads widened, but more recently, the strong rebound in lower-rated bonds allowed the Fund to generate a strong competitive return, while maintaining the historically attractive dividend.

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**Fund Information**


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Symbol on New York Stock Exchange	MHD
Initial Offering Date	May 2, 1997
Yield on Closing Market Price as of April 30, 2009 (\$11.97) <sup>1</sup>	7.12%
Tax Equivalent Yield <sup>2</sup>	10.95%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.071
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.852
Leverage as of April 30, 2009 <sup>4</sup>	40%

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<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The Monthly Distribution per Share, declared on June 1, 2009, was increased to \$0.0835. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution rate is not constant and is subject to further change in the future.

<sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques

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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:

	4/30/09	4/30/08	Change	High	Low
Market Price	\$ 11.97	\$ 14.77	(18.96)%	\$ 15.20	\$ 7.53
Net Asset Value	\$ 13.27	\$ 15.20	(12.70)%	\$ 15.36	\$ 11.11

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

### Sector Allocations

	4/30/09	4/30/08
Health	19%	19%
Corporate	15	20
County/City/Special District/School District	13	25
Transportation	11	7
State	10	8
Utilities	10	7
Education	9	4
Housing	9	5
Tobacco	4	5

### Credit Quality Allocations<sup>5</sup>

	4/30/09	4/30/08
AAA/Aaa	29%	40%
AA/Aa	21	12
A/A	24	18
BBB/Baa	10	8
BB/Ba	2	1
B/B	1	2
CCC/Caa	2	2
Not Rated <sup>6</sup>	11	17

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

<sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2009 and 2008, the market value of these securities was \$6,532,075 representing 2% and \$10,735,995 representing 3%, respectively, of the Fund's long-term investments.





Fund Summary as of April 30, 2009

BlackRock MuniHoldings Fund II, Inc.

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**Investment Objective**


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**BlackRock MuniHoldings Fund II, Inc. (MUH) (the Fund)** seeks to provide shareholders with current income exempt from federal income taxes by investing primarily in a portfolio of long-term, investment grade municipal obligations the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal income taxes. No assurance can be given that the Fund's investment objective will be achieved.

The Fund's year end was changed to April 30.

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**Performance**


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For the nine months ended April 30, 2009, the Fund returned (7.99)% based on market price and (3.55)% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of (6.02)% on a market price basis and (7.10)% on a NAV basis. 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. Portfolio positioning, with respect to duration, was generally neutral, while a bias toward limiting exposure to longer-dated bonds proved to be beneficial, given a steepening yield curve environment. In general, the Fund's credit profile consistently reflected a high level of exposure to the lower end of the ratings spectrum. While this strategy generates an above-average dividend yield, it also subjects the Fund to additional volatility during periods when credit spreads are fluctuating. Consequently, performance tended to suffer late in 2008 when spreads widened, but more recently, the strong rebound in lower-rated bonds allowed the Fund to generate a strong competitive return, while maintaining the historically attractive dividend.

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.

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**Fund Information**


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Symbol on New York Stock Exchange	MUH
Initial Offering Date	February 27, 1998
Yield on Closing Market Price as of April 30, 2009 (\$11.33) <sup>1</sup>	6.67%
Tax Equivalent Yield <sup>2</sup>	10.26%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.063
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.756
Leverage as of April 30, 2009 <sup>4</sup>	38%

<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The Monthly Distribution per Share, declared on June 1, 2009, was increased to \$0.0755. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution rate is not constant and is subject to further change in the future.

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<sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred 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:

	4/30/09	7/31/08	Change	High	Low
Market Price	\$ 11.33	\$ 13.01	(12.91)%	\$ 13.15	\$ 7.08
Net Asset Value	\$ 12.47	\$ 13.66	(8.71)%	\$ 13.95	\$ 10.46

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

### Sector Allocations

	4/30/09	7/31/08
Health	18%	20%
County/City/Special District/School District	16	25
Transportation	13	9
Corporate	11	14
Education	11	5
State	10	7
Utilities	9	9
Housing	8	7
Tobacco	4	4

### Credit Quality Allocations<sup>5</sup>

	4/30/09	7/31/08
AAA/Aaa	26%	37%
AA/Aa	26	20
A/A	25	18
BBB/Baa	10	8
BB/Ba	1	1
B/B	2	1
CCC/Caa	1	2
Not Rated <sup>6</sup>	9	13

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

<sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2009 and July 31, 2008, the market value of these securities was \$4,974,331 representing 2% and \$4,249,701 representing 2%, respectively, of

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the Fund's long-term investments.

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ANNUAL REPORT

APRIL 30, 2009

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Fund Summary as of April 30, 2009

BlackRock MuniHoldings Insured Fund, Inc.

**Investment Objective**

**BlackRock MuniHoldings Insured Fund, Inc. (MUS) (the Fund)** seeks to provide shareholders with current income exempt from federal income taxes by investing primarily in a portfolio of long-term, investment grade municipal obligations the interest on which, in the opinion of bond counsel to the issuers, is exempt from federal income taxes. Under normal circumstances, the Fund invests at least 80% of its total assets in municipal bonds that are covered by insurance. No assurance can be given that the Fund's investment objective will be achieved.

**Performance**

For the 12 months ended April 30, 2009, the Fund returned (3.97)% based on market price and (2.52)% based on NAV. For the same period, the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of (2.77)% on a market price basis and (3.22)% on a NAV basis. 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. Sector allocation continued to play a significant role in determining how the Fund performed during the past year. The Fund was significantly overweight in pre-refunded securities within the one- to five-year maturity range, which benefited comparative performance. Notably, according to the S&P/Investor Tools Main Municipal Bond Index, the pre-refunded sector was the best-performing sector for the past twelve months. Conversely, exposure to healthcare and housing issues detracted from results for the period. At period end, the Fund's cash position remains elevated and will be deployed opportunistically.

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	MUS
Initial Offering Date	May 1, 1998
Yield on Closing Market Price as of April 30, 2009 (\$10.87) <sup>1</sup>	5.35%
Tax Equivalent Yield <sup>2</sup>	8.23%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.0485
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.5820
Leverage as of April 30, 2009 <sup>4</sup>	43%

<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The Monthly Distribution per Share, declared on June 1, 2009, was increased to \$0.066. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution rate is not constant and is subject to further change in the future.

<sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred 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:

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	4/30/09	4/30/08	Change	High	Low
Market Price	\$ 10.87	\$ 11.97	(9.19)%	\$ 12.23	\$ 6.84
Net Asset Value	\$ 12.27	\$ 13.31	(7.81)%	\$ 13.51	\$ 9.70

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

**Sector Allocations**

	4/30/09	4/30/08
County/City/Special District/School District	42%	39%
Transportation	17	17
Utilities	14	9
State	12	17
Health	7	6
Housing	6	9
Corporate	2	2
Education		1

**Credit Quality Allocations<sup>5</sup>**

	4/30/09	4/30/08
AAA/Aaa	50%	83%
AA/Aa	39	8
A/A	6	8
BBB/Baa	4	1
Not Rated	1 <sup>6</sup>	

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

<sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2009, the market value of these securities was \$3,333,138 representing 1% of the Fund's long-term investments.

Fund Summary as of April 30, 2009

BlackRock Muni Intermediate Duration Fund, Inc.

**Investment Objective**

**BlackRock Muni Intermediate Duration Fund, Inc. (MUI) (the Fund)** seeks to provide shareholders with high current income exempt from federal income taxes by investing primarily in a portfolio of municipal obligations, the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal income taxes. No assurance can be given that the Fund's investment objective will be achieved.

The Fund's year end was changed to April 30.

**Performance**

For the 11 months ended April 30, 2009, the Fund returned (9.21)% based on market price and (4.56)% based on NAV. For the same period, the closed-end Lipper Intermediate Municipal Debt Funds category posted an average return of (2.86)% on a market price basis and (3.27)% on a NAV basis. 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. Negatively affecting the Fund's performance were its lower-rated holdings, which underperformed the market as credit spreads widened and liquidity became scarcer. The Fund's underweight in tax-backed and utility credits, which were some of the better-performing sectors, also hindered results. Adding to returns were the Fund's overweight in pre-refunded bonds, a greater-than-average distribution rate and its largely neutral duration positioning during a period of extreme volatility and historical municipal underperformance versus Treasuries. Many of the trends in place at the close of the calendar year showed signs of reversing as liquidity returned to the municipal market and credit spreads began to narrow. We seek to capitalize on opportunities in the new-issue market as anxious issuers, prohibited from issuing debt due to recent market forces, have provided many attractive values in their rush to tap the loosening credit markets. The Fund maintains a neutral to slightly long duration bias.

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	MUI
Initial Offering Date	August 1, 2003
Yield on Closing Market Price as of April 30, 2009 (\$11.77) <sup>1</sup>	5.91%
Tax Equivalent Yield <sup>2</sup>	9.09%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.058
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.696
Leverage as of April 30, 2009 <sup>4</sup>	41%

<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The Monthly Distribution per Share, declared on June 1, 2009, was increased to \$0.0655. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new

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distribution rate. The new distribution rate is not constant and is subject to further change in the future.

- <sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred 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:

	4/30/09	5/31/08	Change	High	Low
Market Price	\$ 11.77	\$ 13.70	(14.09)%	\$ 13.78	\$ 7.82
Net Asset Value	\$ 13.05	\$ 14.45	(9.69)%	\$ 14.51	\$ 11.49

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

### Sector Allocations

	4/30/09	5/31/08
City/County/Special/District/School District	25%	21%
Industrial & Pollution Control	23	22
Transportation	13	11
Corporate	11	13
Health	10	14
Utilities	7	7
Tobacco	6	6
Housing	3	3
Education	2	3

### Credit Quality Allocations<sup>5</sup>

	4/30/09	5/31/08
AAA/Aaa	36%	47%
AA/Aa	30	11
A/A	11	11
BBB/Baa	12	14
BB/Ba	1	1
B/B	1	1
CCC/Caa	1	3
Not Rated <sup>6</sup>	9	12

<sup>5</sup> Using the higher of S&P's or Moody's ratings.

<sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2009 and May 31, 2008, the market value of these securities was \$16,548,864 representing 2% and \$20,190,323 representing 2%, respectively, of the



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Fund's long-term investments.

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ANNUAL REPORT

APRIL 30, 2009

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Fund Summary as of April 30, 2009

BlackRock MuniVest Fund II, Inc.

**Investment Objective**

**BlackRock MuniVest Fund II, Inc. (MVT) (the Fund)** seeks 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 by investing primarily in a portfolio of long-term, investment grade municipal obligations, the interest on which, in the opinion of bond counsel to the issuers, is exempt from federal income taxes. No assurance can be given that the Fund's investment objective will be achieved.

The Fund's year end was changed to April 30.

**Performance**

For the six months ended April 30, 2009, the Fund returned 24.49%, based on market price and 13.71% based on NAV. For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of 16.50% on a market price basis and 9.58% on a NAV basis. All returns reflect reinvestment of dividends. The Fund's discount to NAV, which narrowed during the period, accounts for the difference between performance, based on price and performance based on NAV. Portfolio positioning, with respect to duration and yield curve, was generally neutral relative to the Fund's peer group. In general, the Fund's credit profile consistently reflected a high level of exposure to the lower end of the ratings spectrum. While this strategy generates an above-average dividend yield, it also subjects the Fund to additional volatility during periods when credit spreads are fluctuating. Consequently, performance tended to suffer late in 2008 when spreads widened, but more recently, the strong rebound in lower-rated bonds has allowed the Fund to generate a strong competitive return, while maintaining the historically attractive dividend.

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	MVT
Initial Offering Date	March 29, 1993
Yield on Closing Market Price as of April 30, 2009 (\$11.65) <sup>1</sup>	7.31%
Tax Equivalent Yield <sup>2</sup>	11.25%
Current Monthly Distribution per Common Share <sup>3</sup>	\$0.071
Current Annualized Distribution per Common Share <sup>3</sup>	\$0.852
Leverage as of April 30, 2009 <sup>4</sup>	45%

<sup>1</sup> 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.

<sup>2</sup> Tax equivalent yield assumes the maximum federal tax rate of 35%.

<sup>3</sup> The Monthly Distribution per Share, declared on June 1, 2009, was increased to \$0.0835. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect the new distribution rate. The new distribution rate is not constant and is subject to further change in the future.

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- <sup>4</sup> Represents Preferred Shares and TOBs as a percentage of total managed assets, which is the total assets of the Fund, including any assets attributable to Preferred 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:

	4/30/09	10/31/08	Change	High	Low
Market Price	\$ 11.65	\$ 9.75	19.49%	\$ 12.00	\$ 7.51
Net Asset Value	\$ 11.95	\$ 10.95	9.13%	\$ 11.95	\$ 9.76

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

### Sector Allocations

	4/30/09	10/31/08
Health	18%	18%
Corporate	16	19
State	14	14
County/City/Special District/School District	13	14
Transportation	13	11
Utilities	11	11
Education	6	4
Housing	5	4
Tobacco	4	5

### Credit Quality Allocations<sup>5</sup>

	4/30/09	10/31/08
AAA/Aaa	26%	29%
AA/Aa	28	22
A/A	18	16
BBB/Baa	12	14
BB/Ba	1	2
B/B	2	1
Not Rated <sup>6</sup>	13	16

- <sup>5</sup> Using the higher of S&P's or Moody's ratings.

- <sup>6</sup> The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2009 and October 31, 2008, the market value of these securities was \$10,825,769 representing 3% and \$9,997,993 representing 2%, 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. However, these objectives cannot be achieved in all interest rate environments.

To leverage all of the Funds, except BlackRock Apex Municipal Fund, Inc. and BlackRock MuniAssets Fund, Inc., issue 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 will be based on short-term interest rates, which normally will 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 Common Shareholders will benefit from the incremental yield.

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 Fund's total portfolio of \$150 million earns the income based on long-term interest rates. In this case, the dividends paid to Preferred Shareholders 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 yield.

Conversely, 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. If short-term interest rates rise, narrowing the differential between short-term and long-term interest rates, the incremental yield pickup on the Common Shares will be reduced or eliminated completely.

Furthermore, the value of the 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 Fund's Preferred Shares does not fluctuate in relation to interest rates. As a result, changes in interest rates can influence the Fund's NAV positively or negatively in addition to the impact on Fund performance from leverage from Preferred Shares discussed above.

The Funds may also, from time to time, leverage their assets through the use of tender option bond ( TOB ) programs, 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 returns 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' NAV, market price and dividend rate than a comparable portfolio 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, the Funds' net income will be less than if leverage had not been used, and therefore the amount available for distribution to shareholders will be reduced. The Funds may be required to sell portfolio securities at inopportune times or below fair market 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 the Funds to incur losses. The use of leverage may limit the Funds' 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 a Fund. The Funds will incur expenses in connection with the use of leverage, all of which are borne by the holders of the Common Shares and may reduce returns on 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% of its total managed assets at the time such leverage is incurred. As of April 30, 2009, the Funds had economic leverage from Preferred Shares and TOBs as a percentage of their total managed assets as follows:

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**Percent of  
Leverage**

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BlackRock Apex Municipal Fund, Inc.	5%
BlackRock MuniAssets Fund, Inc.	5%
BlackRock MuniEnhanced Fund, Inc.	42%
BlackRock MuniHoldings Fund, Inc.	40%
BlackRock MuniHoldings Fund II, Inc.	38%
BlackRock MuniHoldings Insured Fund, Inc.	43%
BlackRock Muni Intermediate Duration Fund, Inc.	41%
BlackRock MuniVest Fund II, Inc.	45%

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### Derivative Instruments

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The Funds may invest in various derivative instruments, including swap agreements and futures, and other instruments specified in the Notes to Financial Statements, which 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 instruments involve risks, including the imperfect correlation between the value of a derivative instrument and the underlying asset, possible default of the other party to the transaction and illiquidity of the derivative instrument. The Funds' ability to successfully use a derivative instrument depends on the Advisor's ability to accurately predict pertinent market movements, which cannot be assured. The use of derivative instruments may result in losses greater than if they had not been used, may require a Fund to sell or purchase portfolio securities at inopportune times or for prices other than current market values, may limit the amount of appreciation a Fund can realize on an investment or may cause a Fund to hold a security that it might otherwise sell. The Funds' investments in these instruments are discussed in detail in the Notes to Financial Statements.

Schedule of Investments April 30, 2009

BlackRock Apex Municipal Fund, Inc. (APX)  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Alabama 0.6%</b>		
Jefferson County, Alabama, Limited Obligation School Warrants, Series A, 5%, 1/01/10	\$ 475	\$ 435,618
Tuscaloosa, Alabama, Special Care Facilities Financing Authority, Residential Care Facility Revenue Bonds (Capstone Village, Inc. Project), Series A, 5.875%, 8/01/36 (a)(b)	1,255	535,119
		<u>970,737</u>
<b>Alaska 1.1%</b>		
Alaska Industrial Development and Export Authority Revenue Bonds (Williams Lynxs Alaska Cargoport), AMT, 8%, 5/01/23	2,000	1,650,040
<b>Arizona 3.9%</b>		
Maricopa County, Arizona, IDA, Education Revenue Bonds (Arizona Charter Schools Project 1), Series A, 6.625%, 7/01/20	1,100	826,221
Maricopa County, Arizona, IDA, M/F Housing Revenue Bonds (Sun King Apartments Project), Series A: 6%, 11/01/10	15	14,750
6.75%, 5/01/31	1,020	717,335
Phoenix, Arizona, IDA, Airport Facility, Revenue Refunding Bonds (America West Airlines Inc. Project), AMT, 6.30%, 4/01/23	2,950	1,814,221
Pima County, Arizona, IDA, Education Revenue Bonds (Arizona Charter Schools Project), Series E, 7.25%, 7/01/31	960	714,403
Salt Verde Financial Corp., Arizona, Senior Gas Revenue Bonds: 5%, 12/01/32	1,950	1,354,061
5%, 12/01/37	230	154,960
Yavapai County, Arizona, IDA, Hospital Facility Revenue Bonds (Yavapai Regional Medical Center), Series A, 6%, 8/01/33	500	394,465
		<u>5,990,416</u>
<b>California 2.6%</b>		
Fontana, California, Special Tax, Refunding (Community Facilities District Number 22 Sierra), 6%, 9/01/34	1,000	748,840
San Jose, California, Airport Revenue Refunding Bonds, AMT, Series A, 5.50%, 3/01/32 (c)	2,220	2,028,791
Southern California Public Power Authority, Natural Gas Project Number 1 Revenue Bonds, Series A, 5%, 11/01/29	1,435	1,147,526
		<u>3,925,157</u>

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Municipal Bonds	Par (000)	Value
<b>Colorado 4.1%</b>		
Colorado Health Facilities Authority, Revenue Refunding Bonds (Christian Living Communities Project), Series A, 5.75%, 1/01/26	\$ 450	\$ 346,657
Elk Valley, Colorado, Public Improvement Revenue Bonds (Public Improvement Fee), Series A, 7.30%, 9/01/22	2,800	2,457,308
North Range Metropolitan District Number 1, Colorado, GO, 7.25%, 12/15/11 (d)	1,235	1,403,429
Plaza Metropolitan District Number 1, Colorado, Tax Allocation Revenue Bonds (Public Improvement Fees):		
8%, 12/01/25	2,000	1,696,020
8.125%, 12/01/25	500	384,250
		<u>6,287,664</u>
<b>Connecticut 0.9%</b>		
Connecticut State Development Authority, Airport Facility Revenue Bonds (Learjet Inc. Project), AMT, 7.95%, 4/01/26	490	433,106
Mashantucket Western Pequot Tribe, Connecticut, Revenue Refunding Bonds, Sub-Series A, 5.50%, 9/01/36	615	292,746
Mohegan Tribe Indians Gaming Authority, Connecticut, Public Improvement Revenue Refunding Bonds (Priority Distribution), 5.25%, 1/01/33	1,500	712,530
		<u>1,438,382</u>
<b>Florida 10.2%</b>		
Capital Region Community Development District, Florida, Special Assessment Revenue Bonds, Series A, 7%, 5/01/39	645	455,086
Halifax Hospital Medical Center, Florida, Hospital Revenue Refunding Bonds, Series A, 5%, 6/01/38	840	599,659
Hillsborough County, Florida, IDA, Exempt Facilities Revenue Bonds (National Gypsum Company), AMT:		
Series A, 7.125%, 4/01/30	2,500	1,284,175
Series B, 7.125%, 4/01/30	1,060	544,490
Jacksonville, Florida, Economic Development Commission, Health Care Facilities, Revenue Refunding Bonds (Florida Proton Therapy Institute), Series A, 6%, 9/01/17	915	784,127
Jacksonville, Florida, Economic Development Commission, IDR (Gerdau Ameristeel US, Inc.), AMT, 5.30%, 5/01/37	900	459,603
Lakewood Ranch, Florida, Community Development District Number 5, Special Assessment Revenue Refunding Bonds, Series A, 6.70%, 5/01/11 (d)	725	796,702
Lee County, Florida, IDA, IDR (Lee Charter Foundation), Series A, 5.375%, 6/15/37	1,810	1,024,351
Midtown Miami, Florida, Community Development District, Special Assessment Revenue Bonds, Series A:		
6%, 5/01/24	1,430	1,019,762
6.25%, 5/01/37	1,350	862,839



**Portfolio Abbreviations**

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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 list on the right.

<b>AMT</b>	Alternative Minimum Tax (subject to)
<b>CABS</b>	Capital Appreciation Bonds
<b>COP</b>	Certificates of Participation
<b>EDA</b>	Economic Development Authority
<b>EDR</b>	Economic Development Revenue Bonds
<b>GO</b>	General Obligation Bonds
<b>HDA</b>	Housing Development Authority
<b>HFA</b>	Housing Finance Agency
<b>IDA</b>	Industrial Development Authority
<b>IDB</b>	Industrial Development Bonds
<b>IDR</b>	Industrial Development Revenue Bonds
<b>M/F</b>	Multi-Family
<b>PCR</b>	Pollution Control Revenue Bonds
<b>S/F</b>	Single-Family
<b>VRDN</b>	Variable Rate Demand Notes

See Notes to Financial Statements.

## Schedule of Investments (continued)

**BlackRock Apex Municipal Fund, Inc. (APX)**  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Florida (concluded)</b>		
Orlando, Florida, Urban Community Development District, Capital Improvement Special Assessment Bonds, Series A, 6.95%, 5/01/11 (d)	\$ 1,405	\$ 1,551,120
Santa Rosa Bay Bridge Authority, Florida, Revenue Bonds, 6.25%, 7/01/28	2,140	1,223,973
Sarasota County, Florida, Health Facilities Authority, Retirement Facility Revenue Refunding Bonds (Village on the Isle Project):		
5.50%, 1/01/27	590	406,528
5.50%, 1/01/32	550	353,447
Sumter Landing Community Development District, Florida, Recreational Revenue Bonds, Sub-Series B, 5.70%, 10/01/38	1,645	1,021,068
Tampa Palms, Florida, Open Space and Transportation Community Development District Revenue Bonds, Capital Improvement (Richmond Place Project), 7.50%, 5/01/18	2,075	1,954,920
Tolomato Community Development District, Florida, Special Assessment Bonds, 6.65%, 5/01/40	1,850	1,244,144
		15,585,994
<b>Georgia 2.0%</b>		
Atlanta, Georgia, Tax Allocation Bonds (Princeton Lakes Project), 5.50%, 1/01/31	395	263,311
Clayton County, Georgia, Tax Allocation Bonds (Ellenwood Project), 7.50%, 7/01/33	1,640	1,386,292
Main Street Natural Gas, Inc., Georgia, Gas Project Revenue Bonds, Series A, 6.375%, 7/15/38 (a)(b)	650	242,131
Rockdale County, Georgia, Development Authority Revenue Bonds (Visy Paper Project), AMT, Series A, 6.125%, 1/01/34	1,680	1,115,335
		3,007,069
<b>Illinois 5.1%</b>		
Chicago, Illinois, O Hare International Airport, Special Facility Revenue Refunding Bonds (American Airlines Inc. Project), 5.50%, 12/01/30	2,860	1,086,800
Illinois State Finance Authority Revenue Bonds: (Clare At Water Tower Project), Series A, 6.125%, 5/15/38	2,050	1,019,998
(Landing At Plymouth Place Project), Series A, 6%, 5/15/37	430	273,243
(Monarch Landing, Inc. Project), Series A, 7%, 12/01/37	575	348,341
(Primary Health Care Centers Program), 6.60%, 7/01/24	490	367,206
	2,000	2,105,100

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(Rush University Medical Center Obligated Group Project), Series A, 7.25%, 11/01/30 Lincolnshire, Illinois, Special Service Area Number 1, Special Tax Bonds (Sedgebrook Project), 6.25%, 3/01/34	755	481,109
Lombard, Illinois, Public Facilities Corporation, First Tier Revenue Bonds (Conference Center and Hotel), Series A-1, 7.125%, 1/01/36	2,400	1,597,728
Village of Wheeling, Illinois, Revenue Bonds (North Milwaukee/Lake-Cook Tax Increment Financing Redevelopment Project), 6%, 1/01/25	760	583,460
		<u>7,862,985</u>

Municipal Bonds	Par (000)	Value
<b>Indiana 1.7%</b>		
Indiana Health and Educational Facilities Financing Authority, Hospital Revenue Bonds (Community Foundation of Northwest Indiana), 5.50%, 3/01/37	\$ 1,770	\$ 1,372,069
Vanderburgh County, Indiana, Redevelopment Commission, Redevelopment District Tax Allocation Bonds, 5.25%, 2/01/31	820	656,927
Vigo County, Indiana, Hospital Authority Revenue Bonds (Union Hospital, Inc.): 5.70%, 9/01/37	440	289,379
5.75%, 9/01/42	545	353,449
		<u>2,671,824</u>

<b>Louisiana 2.7%</b>		
Louisiana Local Government Environmental Facilities and Community Development Authority Revenue Bonds (Westlake Chemical Corporation), 6.75%, 11/01/32	2,000	1,392,100
Louisiana Public Facilities Authority, Hospital Revenue Bonds (Franciscan Missionaries of Our Lady Health System, Inc.), Series A, 5.25%, 8/15/36	1,300	1,106,651
Saint John Baptist Parish, Louisiana, Revenue Bonds (Marathon Oil Corporation), Series A, 5.125%, 6/01/37	2,050	1,568,045
		<u>4,066,796</u>

<b>Maryland 1.0%</b>		
Baltimore, Maryland, Convention Center Hotel Revenue Bonds, Sub-Series B, 5.875%, 9/01/39	385	230,992
Maryland State Energy Financing Administration, Limited Obligation Revenue Bonds (Cogeneration AES Warrior Run), AMT, 7.40%, 9/01/19	1,500	1,138,815
Maryland State Health and Higher Educational Facilities Authority Revenue Bonds (Washington Christian Academy), 5.50%, 7/01/38	410	209,957
		<u>1,579,764</u>

**Massachusetts 2.8%**

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Massachusetts State Development Finance Agency, First Mortgage Revenue Bonds (Overlook Communities Inc.), Series A, 6.25%, 7/01/34	1,845	1,231,556
Massachusetts State Development Finance Agency, Revenue Refunding Bonds (Eastern Nazarene College), 5.625%, 4/01/19	1,245	1,030,860
Massachusetts State Health and Educational Facilities Authority Revenue Bonds (Jordan Hospital), Series E, 6.75%, 10/01/33	850	616,981
Massachusetts State Health and Educational Facilities Authority, Revenue Refunding Bonds: (Bay Cove Human Services Issue), Series A, 5.90%, 4/01/28	820	578,535
(Milton Hospital), Series, 5.50%, 7/01/16	500	369,775
Massachusetts State Industrial Finance Agency Revenue Bonds, Sewer Facility (Resource Control Composting), AMT, 9.25%, 6/01/10	500	501,250
		4,328,957
<b>Michigan 2.6%</b>		
Advanced Technology Academy, Michigan, Revenue Bonds, 6%, 11/01/37	625	438,369
Monroe County, Michigan, Hospital Financing Authority, Hospital Revenue Refunding Bonds (Mercy Memorial Hospital Corporation), 5.50%, 6/01/35	1,260	734,366
Royal Oak, Michigan, Hospital Finance Authority, Hospital Revenue Refunding Bonds (William Beaumont Hospital), 8.25%, 9/01/39	2,575	2,865,357
		4,038,092

See Notes to Financial Statements.

## Schedule of Investments (continued)

**BlackRock Apex Municipal Fund, Inc. (APX)**  
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Missouri 0.5%</b>		
Kansas City, Missouri, IDA, First Mortgage Health Facilities Revenue Bonds (Bishop Spencer Place), Series A, 6.50%, 1/01/35	\$ 1,000	\$ 694,750
<b>Nevada 0.7%</b>		
Clark County, Nevada, IDR (Nevada Power Company Project), AMT, Series A, 5.60%, 10/01/30	955	729,782
Clark County, Nevada, Improvement District Number 142, Special Assessment Bonds, 6.375%, 8/01/23	400	291,852
		1,021,634
<b>New Hampshire 0.4%</b>		
New Hampshire Health and Education Facilities Authority, Hospital Revenue Bonds (Catholic Medical Center), 5%, 7/01/36	835	574,756
<b>New Jersey 10.4%</b>		
Camden County, New Jersey, Pollution Control Financing Authority, Solid Waste Resource Recovery, Revenue Refunding Bonds, AMT, Series A, 7.50%, 12/01/10	6,000	5,973,000
New Jersey EDA, Cigarette Tax Revenue Bonds, 5.50%, 6/15/24	2,170	1,690,734
New Jersey EDA, IDR, Refunding (Newark Airport Marriott Hotel), 7%, 10/01/14	1,500	1,350,240
New Jersey EDA, Special Facility Revenue Bonds (Continental Airlines Inc. Project), AMT: 6.625%, 9/15/12	3,050	2,661,155
6.25%, 9/15/29	1,000	639,500
New Jersey Health Care Facilities Financing Authority Revenue Bonds (Pascack Valley Hospital Association), 6.625%, 7/01/36 (a)(b)	1,870	48,433
New Jersey Health Care Facilities Financing Authority, Revenue Refunding Bonds (Saint Joseph's Healthcare System), 6.625%, 7/01/38	1,680	1,302,437
New Jersey State Transportation Trust Fund Authority, Transportation System Revenue Bonds, CABS, Series C, 5.05%, 12/15/35 (c)(e)	2,760	529,258
New Jersey State Educational Facilities Authority, Revenue Refunding Bonds (University of Medicine and Dentistry), Series B: 7.125%, 12/01/23	670	696,056
7.50%, 12/01/32	1,065	1,085,246
		15,976,059
<b>New Mexico 3.3%</b>		
	5,000	5,001,050

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Farmington, New Mexico, PCR, Refunding (Tucson Electric Power Company San Juan Project), Series A, 6.95%, 10/01/20

**New York 4.9%**

Dutchess County, New York, IDA, Civic Facility Revenue Bonds (Saint Francis Hospital), Series B, 7.50%, 3/01/29	1,000	896,860
Metropolitan Transportation Authority, New York, Revenue Bonds, Series C, 6.50%, 11/15/28	2,000	2,207,020
New York City, New York, City IDA, Civic Facility Revenue Bonds: Series C, 6.80%, 6/01/28 (Special Needs Facility Pooled Program), Series C-1, 6.50%, 7/01/24	350 830	343,381 652,778
New York City, New York, City IDA, Special Facility Revenue Bonds: (American Airlines, Inc. JFK International Airport), AMT, 8%, 8/01/28 (British Airways Plc Project), AMT, 7.625%, 12/01/32	720 1,730	560,160 1,163,494

Municipal Bonds	Par (000)	Value
<b>New York (concluded)</b>		
New York Liberty Development Corporation Revenue Bonds (National Sports Museum Project), Series A, 6.125%, 2/15/19 (a)(b)	\$ 630	\$ 630
New York State Dormitory Authority, Non-State Supported Debt, Revenue Refunding Bonds (New York University Hospital Center), Series A, 5%, 7/01/20	2,040	1,734,286
		7,558,609

**North Carolina 1.7%**

North Carolina Medical Care Commission, Health Care Facilities, First Mortgage Revenue Refunding Bonds (Deerfield Episcopal Project), Series A, 6.125%, 11/01/38	3,230	2,596,500
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**Ohio 3.2%**

Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco Settlement Asset-Backed Bonds, Series A-2: 5.125%, 6/01/24 6.50%, 6/01/47	4,025 2,685	3,159,786 1,658,524
		4,818,310

**Pennsylvania 7.9%**

Bucks County, Pennsylvania, IDA, Retirement Community Revenue Bonds (Ann's Choice Inc.), Series A, 6.125%, 1/01/25	1,160	846,208
Chester County, Pennsylvania, Health and Education Facilities Authority, Senior Living Revenue Refunding Bonds (Jenners Pond Inc. Project), 7.625%, 7/01/12 (d)	1,750	2,107,490
Harrisburg, Pennsylvania, Authority, University Revenue Bonds (Harrisburg University of Science), Series B, 6%, 9/01/36	600	445,566

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Lancaster County, Pennsylvania, Hospital Authority Revenue Bonds (Brethren Village Project), Series A:		
6.25%, 7/01/26	475	402,748
6.50%, 7/01/40	410	323,966
Montgomery County, Pennsylvania, IDA, Revenue Bonds (Whitemarsh Continuing Care Project), 6.25%, 2/01/35		
	1,700	1,039,924
Pennsylvania Economic Development Financing Authority, Exempt Facilities Revenue Bonds (Reliant Energy), AMT, Series B, 6.75%, 12/01/36		
	1,940	1,784,742
Philadelphia, Pennsylvania, Authority for IDR: (Air Cargo), AMT, Series A, 7.50%, 1/01/25		
	1,600	1,333,024
Commercial Development, 7.75%, 12/01/17	4,460	3,805,540
		<hr/>
		12,089,208

**Rhode Island 0.8%**

Central Falls, Rhode Island, Detention Facility Corporation, Revenue Refunding Bonds, 7.25%, 7/15/35		
	1,750	1,198,785

**South Carolina 2.8%**

Connector 2000 Association, Inc., South Carolina, Toll Road and Capital Appreciation Revenue Bonds, Senior-Series B, 8.755%, 1/01/14 (e)		
	1,075	587,681
South Carolina Housing Finance and Development Authority, Mortgage Revenue Refunding Bonds, AMT, Series A-2, 5.15%, 7/01/37 (c)		
	4,000	3,661,600
		<hr/>
		4,249,281

**Tennessee 1.0%**

Shelby County, Tennessee, Health, Educational and Housing Facilities Board Revenue Bonds (Germantown Village):		
6.25%, 12/01/34	245	160,032
Series A, 7.25%, 12/01/34	1,800	1,341,018
		<hr/>
		1,501,050

See Notes to Financial Statements.

## Schedule of Investments (continued)

**BlackRock Apex Municipal Fund, Inc. (APX)**  
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
<b>Texas 5.7%</b>		
Brazos River Authority, Texas, PCR, Refunding (TXU Energy Company LLC Project), AMT:		
Series A, 7.70%, 4/01/33	\$ 2,530	\$ 1,037,730
Series C, 5.75%, 5/01/36 (m)	1,475	870,250
Danbury, Texas, Higher Education Authority Revenue Bonds (A.W. Brown-Fellowship Charter School), Series A, 5.125%, 8/15/36 (f)		
	1,000	698,570
Harris County, Texas, Health Facilities Development Corporation, Hospital Revenue Refunding Bonds (Memorial Hermann Healthcare System), Series B, 7.25%, 12/01/35		
	1,110	1,176,744
Houston, Texas, Airport System, Special Facilities Revenue Bonds (Continental Airlines), AMT, Series E, 6.75%, 7/01/21		
	1,865	1,379,988
North Texas Tollway Authority, System Revenue Refunding Bonds, Second Tier, Series F, 6.125%, 1/01/31		
	2,250	2,255,243
Texas State Public Financing Authority, Charter School Financing Corporation, Revenue Refunding Bonds (KIPP, Inc.), Series A, 5%, 2/15/28 (f)		
	2,250	1,377,045
		8,795,570
<b>Utah 1.5%</b>		
Carbon County, Utah, Solid Waste Disposal, Revenue Refunding Bonds (Laidlaw Environmental), AMT, Series A, 7.45%, 7/01/17		
	2,240	2,241,232
<b>Virginia 1.9%</b>		
Dulles Town Center, Virginia, Community Development Authority, Special Assessment Tax (Dulles Town Center Project), 6.25%, 3/01/26		
	2,385	1,716,222
King George County, Virginia, IDA, Solid Waste Disposal Facility Revenue Bonds (Waste Management, Inc.), AMT, Series A, 6%, 6/01/23		
	500	500,000
Tobacco Settlement Financing Corporation of Virginia, Revenue Refunding Bonds, Senior Series B-1, 5%, 6/01/47		
	1,250	667,775
		2,883,997
<b>West Virginia 0.5%</b>		
Princeton, West Virginia, Hospital Revenue Refunding Bonds (Community Hospital Association Inc. Project), 6.20%, 5/01/13		
	795	740,105
<b>Wisconsin 0.7%</b>		
Wisconsin State Health and Educational Facilities Authority Revenue Bonds (New Castle Place Project),		
	1,320	995,676



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Series A, 7%, 12/01/31

**Wyoming 1.8%**

Sweetwater County, Wyoming, Solid Waste Disposal, Revenue Refunding Bonds (FMC Corporation Project), AMT, 5.60%, 12/01/35	2,500	1,849,900
Wyoming Municipal Power Agency, Power Supply Revenue Bonds, Series A, 5.375%, 1/01/42	1,000	957,690
		<u>2,807,590</u>

**Guam 0.8%**

Guam Government Waterworks Authority, Water and Wastewater System, Revenue Refunding Bonds, 5.875%, 7/01/35	1,600	1,268,000
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**U.S. Virgin Islands 1.1%**

Virgin Islands Government Refinery Facilities, Revenue Refunding Bonds (Hovens Coker Project), AMT, 6.50%, 7/01/21	2,100	1,647,009
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**Total Municipal Bonds 92.9%**

142,063,048

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

**Par (000)**

**Value**

**District of Columbia 1.9%**

District of Columbia, Water and Sewer Authority, Public Utility Revenue Refunding Bonds, 6%, 10/01/35	\$ 2,730	\$ 2,946,171
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**Florida 3.7%**

Miami-Dade County, Florida, Aviation Revenue Refunding Bonds (Miami International Airport), AMT, Series A, 5.25%, 10/01/33 (h)	6,130	5,617,593
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**Virginia 3.7%**

Virginia State, HDA, Commonwealth Mortgage Revenue Bonds, Series H, Sub-Series H-1, 5.375%, 7/01/36 (i)	5,710	5,725,189
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**Total Municipal Bonds Transferred to Tender Option Bond Trusts 9.3%**

14,288,953

**Total Long-Term Investments (Cost \$189,876,429) 102.2%**

156,352,001

**Short-Term Securities**

**Mississippi 0.7%**

Mississippi Business Finance Corporation, Solid Waste Disposal Revenue Bonds (Waste Management, Inc. Project), VRDN, AMT, 6.875%, 3/01/10 (j)	1,000	1,004,980
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	Shares	
<b>Money Market Fund 0.0%</b>		
FFI Institutional Tax-Exempt Fund, 0.72% (k)(l)	100,006	100,006
<b>Total Short-Term Securities</b>		
<b>(Cost \$1,100,006) 0.7%</b>		1,104,986
<b>Total Investments</b>		
<b>(Cost \$190,976,435*) 102.9%</b>		157,456,987
<b>Other Assets Less Liabilities 1.8%</b>		2,797,170
<b>Liability for Trust Certificates, Including</b>		
<b>Interest Expense and Fees Payable (4.7)%</b>		(7,293,611)
	&	