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BLACKROCK MUNIYIELD FUND INC
Form N-CSR
July 07, 2010
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 811-06414

Name of Fund: BlackRock MuniYield Fund, Inc. (MYD)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock MuniYield Fund, Inc., 55 East 52nd Street, New York, NY 10055.

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

Date of fiscal year end: 04/30/2010

Date of reporting period: 04/30/2010

Item 1 – Report to Stockholders

Annual Report

APRIL 30, 2010

BlackRock MuniYield Fund, Inc. (MYD)

BlackRock MuniYield Quality Fund, Inc. (MQY)

BlackRock MuniYield Quality Fund II, Inc. (MQT)

NOT FDIC INSURED
MAY LOSE VALUE
NO BANK GUARANTEE

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Dear Shareholder

Although overall global economic and financial conditions have generally improved over the past year, the period ended with high levels of market volatility and diminishing investor confidence sparked by the sovereign debt crisis in Europe, concerns over the strength of the economic recovery and uncertainty surrounding the future of interest rate policies. Additionally, as the period drew to a close, the increasing likelihood of more stringent financial market regulations added to the overall sense of investment uncertainty. Despite the uneven nature of recent market conditions, we continue to believe that the Great Recession likely ended at some point last summer, thanks primarily to massive fiscal and monetary stimulus, and that the global economy remains in recovery mode.

Global equity markets bottomed in early 2009 and since that time have moved unevenly higher as investors were lured back into the markets by depressed valuations, desire for higher yields and improvements in corporate earnings prospects. There have been several corrections along the way and volatility levels have remained elevated – reflections of mixed economic data, lingering deflation issues (especially in Europe) and uncertainty surrounding financial regulations. On balance, however, improving corporate revenues and profits and a positive macro backdrop helped push stock prices higher over the last twelve and six months. From a geographic perspective, US equities have outpaced their international counterparts in recent months, as the domestic economic recovery has been more pronounced and as credit-related issues have held European markets down.

Within fixed income markets, yields have been moving unevenly as improving economic conditions have been acting to push Treasury yields higher (and prices correspondingly lower), while concerns over ongoing deflation threats have acted as a counterweight. As the period drew to a close, Treasury yields were falling as investors flocked to the safe haven asset class in the face of escalating uncertainty. Over the course of the last twelve and six months, however, Treasuries underperformed other areas of the bond market, particularly the high yield sector, which has been benefiting from increased investor demand. Meanwhile, municipal bonds slightly outperformed taxable sectors over both the six- and twelve-month periods thanks to continued high demand levels, but have continued to face the headwinds of ongoing state and local budget problems. As in the taxable arena, high yield municipals have been outperforming the rest of the market.

Regarding cash investments, yields on money market securities remain near all-time lows (producing returns only marginally above zero percent), with the Federal Open Market Committee reiterating that economic circumstances are likely to necessitate an accommodative interest rate stance for an extended period.

Against this backdrop, the major market averages posted the following returns:

Total Returns as of April 30, 2010	6-month	12-month
US equities (S&P 500 Index)	15.66%	38.84%
Small cap US equities (Russell 2000 Index)	28.17	48.95
International equities (MSCI Europe, Australasia, Far East Index)	2.48	34.43
3-month Treasury bill (BofA Merrill Lynch 3-Month Treasury Bill Index)	0.04	0.15
US Treasury securities (BofA Merrill Lynch 10-Year US Treasury Index)	(0.54)	(1.32)
Taxable fixed income (Barclays Capital US Aggregate Bond Index)	2.54	8.30
Tax-exempt fixed income (Barclays Capital Municipal Bond Index)	3.68	8.85
High yield bonds (Barclays Capital US Corporate High Yield 2% Issuer Capped Index)	11.60	42.53

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

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Global financial markets continue to show signs of improvement, but questions about the strength and sustainability of the recovery abound. Through periods of uncertainty, as ever, BlackRock's full resources are dedicated to the management of our clients' assets. 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

THIS PAGE NOT PART OF YOUR FUND REPORT

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Fund Summary as of April 30, 2010

BlackRock MuniYield Fund, Inc.

Investment Objective

BlackRock MuniYield Fund, Inc. (MYD) (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 issuer, is exempt from federal income taxes.

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

Performance

For the 12 months ended April 30, 2010, the Fund returned 27.75% based on market price and 28.44% based on net asset value (NAV). For the same period, the closed-end Lipper General Municipal Debt Funds (Leveraged) category posted an average return of 28.13% on a market price basis and 22.67% 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. Positive performance was attributable in part to sector allocation decisions and included concentrations in health care, housing and corporate-related debt, which all performed well. Increasing risk appetite has also proven beneficial given the portfolio's focus on lower-rated credits. Additionally, portfolio positioning with respect to a modestly long duration stance and an emphasis on longer-dated bonds was additive in an environment where yields on the long end of the curve fell substantially. Negative factors include underweight positioning in the tax-backed and education sectors, which have performed well on a relative basis.

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)	MYD
Initial Offering Date	November 29, 1991
Yield on Closing Market Price as of April 30, 2010 (\$13.70) ¹	6.70%
Tax Equivalent Yield ²	10.31%
Current Monthly Distribution per Common Share ³	\$0.0765
Current Annualized Distribution per Common Share ³	\$0.9180
Leverage as of April 30, 2010 ⁴	37%

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 Monthly Distribution per Common Share, declared on June 1, 2010, was increased to \$0.0800. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect

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

- ⁴ Represents Auction Market Preferred Shares (Preferred Shares) and 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 Preferred Shares and TOBs, minus the sum of accrued liabilities. For a discussion of leveraging techniques utilized by the Fund, please see The Benefits and Risks of Leveraging on page 7.

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

	4/30/10	4/30/09	Change	High	Low
Market Price	\$13.70	\$11.45	19.65%	\$13.95	\$11.09
Net Asset Value	\$13.87	\$11.53	20.29%	\$13.87	\$11.53

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

Sector Allocations

	4/30/10	4/30/09
Health	22%	18%
Corporate	16	12
State	14	24
Transportation	12	6
Education	9	10
County/City/Special District/School District	9	9
Utilities	8	8
Housing	6	9
Tobacco	4	4

Credit Quality Allocations⁵

	4/30/10	4/30/09
AAA/Aaa	19%	28%
AA/Aa	31	26
A	22	20
BBB/Baa	10	9
BB/Ba	2	1
B	3	2
CCC/Caa	3	2
Not Rated ⁶	10	12

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

⁶ The investment advisor has deemed certain of these securities to be of investment grade quality. As of April 30, 2010 and April 30, 2009, the market value of these securities was \$6,821,060 representing 1% and \$18,072,535 representing 2%, respectively, of the Fund's long-term investments.

Fund Summary as of April 30, 2010

BlackRock MuniYield Quality Fund, Inc.

Investment Objective

BlackRock MuniYield Quality Fund, Inc. (MQY) (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, high-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.

Performance

For the 12 months ended April 30, 2010, the Fund returned 24.86% based on market price and 17.12% based on NAV. For the same period, the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of 24.79% on a market price basis and 15.40% 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. Among the factors that contributed to Fund performance during the reporting period were the Fund's constructive posture toward the market during a period of declining yields; exposure to the long end of the yield curve during a period of curve flattening; a general tightening of credit spreads, which drove performance in the Fund's holdings of insured bonds with weaker underlying credits; and the Fund's exposure to the transportation and escrowed sectors. Conversely, lower relative exposure to the public utility and education sectors detracted from Fund performance as both segments performed well. The Fund's holdings of zero-coupon bonds also detracted from performance as spreads in this sector generally underperformed relative to spreads on coupon bonds.

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Fund Information

Symbol on NYSE	MQY
Initial Offering Date	June 26, 1992
Yield on Closing Market Price as of April 30, 2010 (\$14.48) ¹	6.17%
Tax Equivalent Yield ²	9.49%
Current Monthly Distribution per Common Share ³	\$0.0745
Current Annualized Distribution per Common Share ³	\$0.8940
Leverage as of April 30, 2010 ⁴	39%

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 Monthly Distribution per Common Share, declared on June 1, 2010, was increased to \$0.0770. The Yield on Closing Market Price, Current Monthly Distribution per Common Share and Current Annualized Distribution per Common Share do not reflect

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

- ⁴ 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 utilized by the Fund, please see The Benefits and Risks of Leveraging on page 7.

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

	4/30/10	4/30/09	Change	High	Low
Market Price	\$14.48	\$12.32	17.53%	\$14.54	\$11.80
Net Asset Value	\$14.63	\$13.27	10.25%	\$15.03	\$13.04

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

Sector Allocations

	4/30/10	4/30/09
Transportation	25%	26%
County/City/Special District/School District	24	20
Utilities	16	16
State	14	18
Health	9	7
Tobacco	4	5
Education	3	2
Corporate	3	4
Housing	2	2

Credit Quality Allocations⁵

	4/30/10	4/30/09
AAA/Aaa	39%	39%
AA/Aa	31	42
A	24	14
BBB/Baa	5	5
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 \$7,592,058, representing 1% of the Fund's long-term investments.

Fund Summary as of April 30, 2010

BlackRock MuniYield Quality Fund II, Inc.

Investment Objective

BlackRock MuniYield Quality Fund II, Inc. (MQT) (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, high-grade municipal obligations, the interest on which, in the opinion of bond counsel to the issuer, is exempt from federal income taxes. The Fund invests primarily in insured municipal bonds.

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

Performance

For the 12 months ended April 30, 2010, the Fund returned 31.18% based on market price and 17.15% based on NAV. For the same period, the closed-end Lipper Insured Municipal Debt Funds (Leveraged) category posted an average return of 24.79% on a market price basis and 15.40% 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. Among the factors that contributed to Fund performance during the reporting period were the Fund's constructive posture toward the market during a period of declining yields; exposure to the long end of the yield curve during a period of curve flattening; a general tightening of credit spreads, which drove performance in the Fund's holdings of insured bonds with weaker underlying credits; and the Fund's exposure to the transportation and housing sectors. Conversely, lower relative exposure to the public utility and education sectors detracted from Fund performance as both segments performed well. The Fund's holdings of zero-coupon bonds also detracted from performance as spreads in this sector generally underperformed relative to spreads on coupon bonds.

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	MQT
Initial Offering Date	August 28, 1992
Yield on Closing Market Price as of April 30, 2010 (\$12.52) ¹	6.42%
Tax Equivalent Yield ²	9.88%
Current Monthly Distribution per Common Share ³	\$0.067
Current Annualized Distribution per Common Share ³	\$0.804
Leverage as of April 30, 2010 ⁴	39%

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 is not constant and is subject to change.

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⁴ 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 utilized by the Fund, please see The Benefits and Risks of Leveraging on page 7.

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

	4/30/10	4/30/09	Change	High	Low
Market Price	\$12.52	\$10.16	23.23%	\$12.53	\$10.10
Net Asset Value	\$12.71	\$11.55	10.04%	\$13.06	\$11.36

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

Sector Allocations

	4/30/10	4/30/09
Transportation	26%	29%
County/City/Special District/School District	26	23
State	15	18
Utilities	11	13
Health	9	3
Housing	8	7
Education	3	2
Corporate	2	3
Tobacco		2

Credit Quality Allocations⁵

	4/30/10	4/30/09
AAA/Aaa	48%	46%
AA/Aa	30	36
A	18	15
BBB/Baa	4	3

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

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, the Funds 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 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 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 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 the Funds' 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 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 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' 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, 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 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 of 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, 2010, the Funds had economic leverage from Preferred Shares and TOBs as a percentage of their total managed assets as follows:

**Percent of
Leverage**

MYD	37%
MQY	39%
MQT	39%

Derivative Financial Instruments

The Funds may invest in various derivative 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 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 successfully use a derivative instrument depends on the investment 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 the Funds to sell or purchase portfolio securities at inopportune times or for distressed values, may limit the amount of appreciation the Funds can realize on an investment or may cause the Funds 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, 2010

BlackRock MuniYield Fund, Inc. (MYD)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Alabama 0.7%		
County of Jefferson Alabama, RB, Series A, 5.50%, 1/01/22	\$ 5,250	\$ 4,521,143
Arizona 10.9%		
Arizona State Transportation Board, RB, Sub-Series A: 5.00%, 7/01/21	5,825	6,405,927
5.00%, 7/01/22	7,030	7,568,147
5.00%, 7/01/23	5,240	5,616,494
Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.75%, 7/01/29	3,300	2,268,288
Maricopa County IDA Arizona, Refunding RB, Series A-1 (GNMA):		
6.00%, 10/20/31	3,530	3,717,090
6.05%, 10/20/36	3,530	3,614,402
Phoenix IDA Arizona, Refunding RB, America West Airlines Inc. Project, AMT:		
6.25%, 6/01/19	3,000	2,456,010
6.30%, 4/01/23	5,090	3,980,533
Pima County IDA, IDRIB, Tucson Electric Power, Series A, 6.38%, 9/01/29	3,000	3,046,170
Pima County IDA, Refunding IDRIB, Tucson Electric Power, 5.75%, 9/01/29	2,240	2,279,379
Pima County IDA, Refunding RB, Charter Schools II, Series A, 6.75%, 7/01/31	755	728,175
Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00%, 1/01/38	3,975	4,154,909
Salt Verde Financial Corp., RB, Senior:		
5.00%, 12/01/32	7,365	6,679,613
5.00%, 12/01/37	7,900	7,005,325
Vistancia Community Facilities District Arizona, GO: 5.50%, 7/15/20	3,000	2,988,150
5.75%, 7/15/24	2,125	2,106,491
Yavapai County IDA Arizona, RB, Yavapai Regional Medical Center, Series A, 6.00%, 8/01/33	3,900	3,922,386
		68,537,489

Municipal Bonds	Par (000)	Value
California 15.5%		
California Health Facilities Financing Authority, RB, Cedars-Sinai Medical Center, 5.00%, 8/15/39	\$ 1,700	\$ 1,644,053

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California Health Facilities Financing Authority, Refunding RB, Series A:		
Catholic Healthcare West, 6.00%, 7/01/34	3,155	3,394,149
St. Joseph Health System, 5.75%, 7/01/39	4,425	4,600,363
California State Public Works Board, RB: Department of Mental Health, Coalinga, Series A, 5.13%, 6/01/29	3,000	2,874,750
Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34	2,385	2,555,170
California Statewide Communities Development Authority, RB, John Muir Health, 5.13%, 7/01/39	4,375	4,242,656
Golden State Tobacco Securitization Corp. California, RB, ARS, Asset-Backed, Series A-4, 7.80%, 6/01/13 (a)	7,500	8,980,275
Golden State Tobacco Securitization Corp. California, Refunding RB, Asset-Backed, Senior Series A-1, 5.13%, 6/01/47	2,090	1,452,048
Los Angeles Department of Airports, RB, Series A, 5.25%, 5/15/39	1,605	1,663,390
Los Angeles Department of Airports, Refunding RB, Senior, Los Angeles International Airport, Series A, 5.00%, 5/15/40	11,970	12,196,951
San Francisco City & County Public Utilities Commission, RB, Series B, 5.00%, 11/01/39	19,075	19,761,128
State of California, GO: (AMBAC), 5.00%, 4/01/31	10	10,010
Various Purpose, 5.25%, 11/01/25	5,000	5,105,650
Various Purpose, 5.00%, 6/01/32	7,685	7,689,227
Various Purpose, 6.00%, 3/01/33	5,085	5,597,110
Various Purpose, 6.50%, 4/01/33	14,075	15,957,813
		97,724,743

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:

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
ARS	Auction Rate Securities
BHAC	Berkshire Hathaway Assurance Corp.
CAB	Capital Appreciation Bonds
CIFG	CDC IXIS Financial Guaranty
COP	Certificate of Participation
EDA	Economic Development Authority
EDC	Economic Development Corp.
ERB	Economic Revenue Bonds
FGIC	Financial Guaranty Insurance Co.
FHA	Federal Housing Administration
GAN	Grant Anticipation Notes
GNMA	Government National Mortgage Association
GO	General Obligation Bonds

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HDA	Housing Development Authority
HFA	Housing Finance Agency
HRB	Housing Revenue Bonds
IDA	Industrial Development Authority
IDRB	Industrial Development Revenue Bond
ISD	Independent School District
MRB	Mortgage Revenue Bonds
NPFGC	National Public Finance Guarantee Corp.
PSF-GTD	Permanent School Fund Guaranteed
RB	Revenue Bonds
S/F	Single-Family
SO	Special Obligation

See Notes to Financial Statements.

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ANNUAL REPORT

APRIL 30, 2010

Schedule of Investments (continued)

BlackRock MuniYield Fund, Inc. (MYD)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Colorado 3.9%		
City & County of Denver Colorado, RB, Series D, AMT (AMBAC), 7.75%, 11/15/13	\$ 5,065	\$ 5,575,856
Colorado Housing & Finance Authority, Refunding RB, S/F Program, Senior Series D-2, AMT, 6.90%, 4/01/29	155	165,765
Elk Valley Public Improvement Corp., RB, Public Improvement Fee, Series A: 7.10%, 9/01/14	700	714,819
7.35%, 9/01/31	5,065	4,676,109
Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds: Public Improvement Fee, Tax Increment, 8.00%, 12/01/25	6,850	6,857,672
Subordinate Public Improvement Fee, Tax Increment, 8.13%, 12/01/25	1,885	1,797,838
University of Colorado, RB, Series A: 5.25%, 6/01/30	2,250	2,416,297
5.38%, 6/01/32	1,250	1,343,325
5.38%, 6/01/38	830	884,913
		<u>24,432,594</u>
Connecticut 1.7%		
Connecticut State Health & Educational Facility Authority, RB: Ascension Health Senior Credit, 5.00%, 11/15/40	2,770	2,846,120
Wesleyan University, 5.00%, 7/01/35 (b)	2,225	2,365,286
Wesleyan University, 5.00%, 7/01/39 (b)	5,000	5,294,050
		<u>10,505,456</u>
District of Columbia 1.9%		
Metropolitan Washington Airports Authority, RB: CAB, 2nd Senior Lien, Series B (AGC), 7.00%, 10/01/31 (c)	10,000	2,860,200
CAB, 2nd Senior Lien, Series B (AGC), 7.03%, 10/01/32 (c)	15,000	4,055,550
CAB, 2nd Senior Lien, Series B (AGC), 7.05%, 10/01/33 (c)	13,410	3,427,998
First Senior Lien, Series A, 5.25%, 10/01/44	1,500	1,568,190
		<u>11,911,938</u>
Florida 7.8%		

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City of Clearwater Florida, RB, Series A, 5.25%, 12/01/39	3,435	3,565,874
County of Broward Florida, RB, Series A, 5.25%, 10/01/34	2,155	2,248,721
County of Miami-Dade Florida, RB, Water & Sewer System, 5.00%, 10/01/34	11,450	11,663,771
County of Miami-Dade Florida, Refunding RB, Miami International Airport, Series A-1, 5.38%, 10/01/41	7,530	7,616,520
Greater Orlando Aviation Authority Florida, RB, Special Purpose, JetBlue Airways Corp., AMT, 6.50%, 11/15/36	2,500	2,312,575
Hillsborough County IDA, RB, AMT National Gypsum Co.:		
Series A, 7.13%, 4/01/30	11,500	10,016,615
Series B, 7.13%, 4/01/30	5,000	4,355,050

Municipal Bonds	Par (000)	Value
Florida (concluded)		
Midtown Miami Community Development District, Special Assessment Bonds, Series B, 6.50%, 5/01/37	\$ 5,255	\$ 5,092,778
Santa Rosa Bay Bridge Authority, RB, 6.25%, 7/01/28	4,620	2,515,821
		<u>49,387,725</u>

Georgia 1.4%		
De Kalb Private Hospital Authority, Refunding RB, Children s Healthcare, 5.25%, 11/15/39	1,700	1,764,566
Metropolitan Atlanta Rapid Transit Authority, RB, Third Series, 5.00%, 7/01/39	6,945	7,309,751
		<u>9,074,317</u>

Guam 0.7%		
Territory of Guam, GO, Series A:		
6.00%, 11/15/19	1,270	1,314,717
6.75%, 11/15/29	1,815	1,930,361
7.00%, 11/15/39	1,200	1,281,408
		<u>4,526,486</u>

Idaho 1.6%		
Power County Industrial Development Corp., RB, FMC Corp. Project, AMT, 6.45%, 8/01/32	10,000	10,058,300

Illinois 1.0%		
Bolingbrook Special Service Area No. 1, Special Tax Bonds, Forest City Project, 5.90%, 3/01/27	1,000	803,520
Illinois Finance Authority, Refunding RB:		
Central DuPage Health, Series B, 5.50%, 11/01/39	3,235	3,361,133
Friendship Village Schaumburg, Series A, 5.63%, 2/15/37	875	697,261
State of Illinois, RB, Build Illinois, Series B, 5.25%, 6/15/34	1,275	1,328,397

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		6,190,311
Indiana 3.5%		
County of St. Joseph Indiana, Refunding RB, Notre Dame du Lac Project, 5.00%, 3/01/36	4,545	4,813,428
Indiana Finance Authority, RB, Sisters of St. Francis Health, 5.25%, 11/01/39	1,690	1,720,369
Indiana Finance Authority, Refunding RB: Duke Energy Indiana Inc., Series C, 4.95%, 10/01/40	6,705	6,627,825
Parkview Health System, Series A, 5.75%, 5/01/31	6,645	6,832,921
Indiana Municipal Power Agency, RB, Indiana Municipal Power Agency, Series B, 6.00%, 1/01/39	2,230	2,409,582
		22,404,125
Kansas 1.4%		
City of Lenexa Kansas, RB, Lakeview Village Inc., Series C, 6.88%, 5/15/12 (a)	1,250	1,410,725
Kansas Development Finance Authority, Refunding RB, Adventist Health, 5.75%, 11/15/38	7,100	7,588,906
		8,999,631

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniYield Fund, Inc. (MYD)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Kentucky 0.4%		
Kentucky Economic Development Finance Authority, Refunding RB, Series A: Norton, 6.63%, 10/01/28	\$ 650	\$ 659,848
Owensboro Medical Health System, 6.38%, 6/01/40	2,040	2,097,120
		<u>2,756,968</u>
Louisiana 4.7%		
East Baton Rouge Sewerage Commission, RB, Series A, 5.25%, 2/01/39	1,610	1,686,958
Louisiana Local Government Environmental Facilities & Community Development Authority, RB, Westlake Chemical Corp. Projects, 6.75%, 11/01/32	9,000	9,254,880
Port of New Orleans Louisiana, Refunding RB, Continental Grain Co. Project, 6.50%, 1/01/17	19,000	18,947,180
		<u>29,889,018</u>
Maine 0.5%		
Maine Health & Higher Educational Facilities Authority, RB, Series A, 5.00%, 7/01/39	3,140	3,204,621
Maryland 1.5%		
County of Prince George s Maryland, SO, National Harbor Project, 5.20%, 7/01/34	1,500	1,284,555
Maryland Community Development Administration, Refunding RB, Residential, Series A, AMT, 4.65%, 9/01/32	2,225	2,109,322
Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 6/01/35	880	898,859
Maryland Health & Higher Educational Facilities Authority, RB, Peninsula Regional Medical Center, 5.00%, 7/01/36	2,000	2,021,000
Maryland Industrial Development Financing Authority, RB, Our Lady of Good Counsel School, Series A, 6.00%, 5/01/35	500	474,025
Maryland State Energy Financing Administration, RB, Cogeneration, AES Warrior Run, AMT, 7.40%, 9/01/19	3,000	3,000,870
		<u>9,788,631</u>
Massachusetts 1.0%		
	3,500	2,874,165

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Massachusetts Development Finance Agency, RB, Seven Hills Foundation & Affiliates (Radian), 5.00%, 9/01/35		
Massachusetts Health & Educational Facilities Authority, Refunding RB, Partners Healthcare, Series J1, 5.00%, 7/01/39	3,640	3,690,560
		6,564,725

Michigan 2.9%		
City of Detroit Michigan, RB, Senior Lien, Series B (AGM), 7.50%, 7/01/33	1,835	2,203,395
Michigan State Hospital Finance Authority, Refunding RB, Hospital, Henry Ford Health, 5.75%, 11/15/39	6,085	5,999,749
Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital: 8.00%, 9/01/29	2,000	2,361,340
8.25%, 9/01/39	6,365	7,512,800
		18,077,284

Municipal Bonds	Par (000)	Value
Minnesota 0.5%		
City of Eden Prairie Minnesota, RB, Rolling Hills Project, Series A (GNMA): 6.00%, 8/20/21	\$ 420	\$ 448,665
6.20%, 2/20/43	2,000	2,124,180
City of Minneapolis Minnesota, HRB, Gaar Scott Loft Project, AMT, 5.95%, 5/01/30	885	891,823
		3,464,668

Mississippi 0.0%		
University of Southern Mississippi, RB, Campus Facilities Improvements Project, 5.38%, 9/01/36	280	299,373

New Hampshire 0.5%		
New Hampshire Health & Education Facilities Authority, Refunding RB, Elliot Hospital, Series B, 5.60%, 10/01/22	3,285	3,292,917

New Jersey 8.7%		
New Jersey EDA, RB: Cigarette Tax, 5.50%, 6/15/24	10,000	9,902,600
Continental Airlines Inc. Project, AMT, 6.25%, 9/15/19	3,905	3,752,276
Continental Airlines Inc. Project, AMT, 6.25%, 9/15/29	14,000	13,133,400
First Mortgage, Lions Gate Project, Series A, 5.75%, 1/01/25	710	626,376
First Mortgage, Lions Gate Project, Series A, 5.88%, 1/01/37	230	191,245
First Mortgage, Presbyterian Homes, Series A, 6.38%, 11/01/31	3,000	2,658,960

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Motor Vehicle Surcharge, Series A (NPFGC), 5.00%, 7/01/29	18,800	18,953,408
New Jersey Health Care Facilities Financing Authority, RB, Pascack Valley Hospital Association (d)(e): 6.00%, 7/01/13	1,335	13
6.63%, 7/01/36	1,835	18
New Jersey Transportation Trust Fund Authority, RB, CAB, Transportation System, Series C (AMBAC), 5.05%, 12/15/35 (c)	13,110	2,811,177
Tobacco Settlement Financing Corp. New Jersey, Refunding RB, Series 1A, 5.00%, 6/01/41	4,220	2,918,088
		54,947,561

New York 8.5%

City of New York New York, GO, Series O, 5.00%, 6/01/33	2,500	2,597,675
City of Troy New York, Refunding RB, Rensselaer Polytechnic, Series A, 5.13%, 9/01/40	2,755	2,813,599
Dutchess County Industrial Development Agency New York, Refunding RB, St. Francis Hospital, Series A, 7.50%, 3/01/29	2,200	2,186,514
Metropolitan Transportation Authority, Refunding RB, Series B, 5.00%, 11/15/34	4,910	5,141,359
New York City Industrial Development Agency, RB, British Airways Plc Project, AMT, 7.63%, 12/01/32	1,250	1,235,950
New York State Dormitory Authority, ERB, Series F, 5.00%, 3/15/35	16,720	17,266,075
New York State Dormitory Authority, Refunding RB, Mount Sinai Health, Series A, 6.75%, 7/01/20	1,855	1,881,286

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniYield Fund, Inc. (MYD)
 (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 B-1C, 5.50%, 6/01/21	\$ 6,525	\$ 7,012,613
Triborough Bridge & Tunnel Authority, RB, Subordinate Bonds, 5.25%, 11/15/30	10,000	10,569,900
Westchester County Industrial Development Agency New York, MRB, Kendal on Hudson Project, Series A, 6.38%, 1/01/24	3,450	3,226,440
		<u>53,931,411</u>
North Carolina 2.4%		
City of Charlotte North Carolina, RB, Series B, 5.00%, 7/01/38	1,910	2,058,254
North Carolina HFA, RB: Home Ownership, Series 8A, AMT, 6.20%, 7/01/16	140	140,179
S/F, Series II (FHA), 6.20%, 3/01/16	510	511,081
North Carolina Medical Care Commission, RB: Duke University Health System, Series A, 5.00%, 6/01/39	1,270	1,295,032
Duke University Health System, Series A, 5.00%, 6/01/42	2,805	2,847,860
First Mortgage, Arbor Acres Community Project, 6.38%, 3/01/12 (a)	1,000	1,105,400
North Carolina Medical Care Commission, Refunding RB, First Mortgage, Presbyterian Homes, 5.40%, 10/01/27	5,000	4,750,750
North Carolina Municipal Power Agency No. 1 Catawba, Refunding RB, Series A, 5.00%, 1/01/30	2,145	2,194,850
		<u>14,903,406</u>
Ohio 2.1%		
Buckeye Tobacco Settlement Financing Authority, RB, Asset-Backed, Senior Series A-2, 6.50%, 6/01/47	7,460	6,121,974
County of Lucas Ohio, Refunding RB, Sunset Retirement, Series A, 6.63%, 8/15/30	2,175	2,191,660
County of Montgomery Ohio, Refunding RB, Catholic Healthcare, Series A, 5.00%, 5/01/39	2,840	2,918,753
Toledo-Lucas County Port Authority, RB, St. Mary Woods Project, Series A: 6.00%, 5/15/24	750	533,558
6.00%, 5/15/34	2,250	1,370,948
		<u>13,136,893</u>
Oregon 0.3%		
	1,725	1,743,268

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State of Oregon, GO, Refunding, Veterans Welfare,
Series 80A, 5.70%, 10/01/32

Pennsylvania 5.7%

Allegheny County Hospital Development Authority,
Refunding RB, Health System, West Penn, Series A,
5.38%, 11/15/40

4,395 3,527,119

Montgomery County Higher Education & Health
Authority, Refunding RB, Abington Memorial
Hospital, Series A, 5.13%, 6/01/33

2,365 2,367,436

Municipal Bonds	Par (000)	Value
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Pennsylvania (concluded)

Pennsylvania Economic Development Financing
Authority, RB:

Aqua Pennsylvania Inc. Project,
5.00%, 11/15/40

\$ 3,805 \$ 3,918,427

National Gypsum Co., Series A, AMT,
6.25%, 11/01/27

5,270 4,207,199

Pennsylvania HFA, Refunding RB, Series 97A, AMT,
4.60%, 10/01/27

1,125 1,129,084

Pennsylvania Higher Educational Facilities Authority,
Refunding RB, Allegheny Delaware Valley
Obligation, Series C (NPFGC), 5.88%, 11/15/16

5,410 5,342,104

Pennsylvania Turnpike Commission, RB,
Sub-Series B, 5.25%, 6/01/39

13,905 14,371,096

Philadelphia Authority for Industrial Development,
RB, Commercial Development, AMT,
7.75%, 12/01/17

1,265 1,266,379

36,128,844

Puerto Rico 2.8%

Commonwealth of Puerto Rico, GO, Refunding,
Public Improvement, Series C, 6.00%, 7/01/39

6,000 6,319,200

Puerto Rico Sales Tax Financing Corp., RB, First
Sub-Series A, 6.50%, 8/01/44

10,120 11,432,665

17,751,865

Rhode Island 1.0%

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

4,240 3,637,962

City of Woonsocket Rhode Island, GO (NPFGC):
6.00%, 10/01/17

1,225 1,250,370

6.00%, 10/01/18

1,195 1,218,840

6,107,172

Tennessee 0.9%

Hardeman County Correctional Facilities Corp.
Tennessee, RB, 7.75%, 8/01/17

3,505 3,358,666

Rutherford County Health & Educational Facilities
Board, RB, Ascension Health Senior Credit Group,
5.00%, 11/15/40

2,065 2,102,604

5,461,270

Texas 13.9%

Alliance Airport Authority Texas, Refunding RB, American Airlines Inc. Project, AMT, 5.75%, 12/01/29	3,500	2,589,125
Bexar County Housing Finance Corp., RB, Waters at Northern Hills Apartments, Series A (NPFGC): 5.80%, 8/01/21	775	672,754
6.00%, 8/01/31	2,360	1,897,322
6.05%, 8/01/36	1,000	789,910
Brazos River Authority, Refunding RB, TXU Electric Co. Project, Series C, AMT, 5.75%, 5/01/36	7,500	7,290,750
City of Houston Texas, RB: Senior Lien, Series A, 5.50%, 7/01/39	3,100	3,303,205
Special Facilities, Continental Airlines, Series E, AMT, 7.38%, 7/01/22	3,500	3,552,325
Special Facilities, Continental Airlines, Series E, AMT, 7.00%, 7/01/29	3,000	3,031,080

See Notes to Financial Statements.

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Schedule of Investments (continued)

BlackRock MuniYield Fund, Inc. (MYD)
 (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
Texas (concluded)		
Dallas-Fort Worth International Airport Facilities Improvement Corp., Refunding RB, American Airlines Inc. Project, AMT, 5.50%, 11/01/30	\$ 12,500	\$ 9,063,500
Guadalupe-Blanco River Authority, RB, E.I. du Pont de Nemours & Co. Project, AMT, 6.40%, 4/01/26	5,000	5,003,750
Gulf Coast IDA, RB, Citgo Petroleum Corp. Project, AMT, 7.50%, 5/01/25	3,900	4,009,356
Houston Industrial Development Corp., RB, Senior, Air Cargo, AMT, 6.38%, 1/01/23	1,585	1,543,917
La Vernia Higher Education Finance Corp., RB, KIPP Inc., 6.38%, 8/15/44	2,360	2,434,788
Matagorda County Navigation District No. 1 Texas, Refunding RB, Central Power & Light Co. Project, Series A, 6.30%, 11/01/29	4,320	4,676,486
North Texas Tollway Authority, RB, Toll, 2nd Tier, Series F, 6.13%, 1/01/31	12,140	12,947,796
San Antonio Energy Acquisition Public Facility Corp., RB, Gas Supply:		
5.50%, 8/01/23	3,500	3,565,730
5.50%, 8/01/25	6,365	6,429,987
Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien, Note Mobility, 6.88%, 12/31/39	7,820	8,169,710
Texas State Turnpike Authority, RB, First Tier, Series A (AMBAC), 5.50%, 8/15/39	6,500	6,559,215
		87,530,706
U.S. Virgin Islands 1.0%		
Virgin Islands Public Finance Authority, RB, Senior Secured, Hovensa Refinery, AMT, 6.13%, 7/01/22	6,250	6,295,188
Utah 1.2%		
City of Riverton Utah, RB, IHC Health Services Inc., 5.00%, 8/15/41	7,310	7,434,489
Virginia 2.5%		
James City County EDA, RB, First Mortgage, Williamsburg Lodge, Series A:		
5.35%, 9/01/26	1,500	1,402,200
5.50%, 9/01/34	2,000	1,746,000
Tobacco Settlement Financing Corp. Virginia, Refunding RB, Senior Series B1, 5.00%, 6/01/47	13,755	9,467,979
Virginia Small Business Financing Authority, Refunding RB, Sentara Healthcare, 5.00%, 11/01/40	1,940	1,979,809

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Winchester IDA Virginia, RB, Westminster-Canterbury, Series A, 5.20%, 1/01/27	1,000	944,520
		<hr/> 15,540,508

Washington 0.3%

Vancouver Housing Authority Washington, HRB, Teal Pointe Apartments Project, AMT:		
6.00%, 9/01/22	945	855,357
6.20%, 9/01/32	1,250	1,064,275
		<hr/> 1,919,632

Municipal Bonds	Par (000)	Value
Wisconsin 4.7%		
City of Milwaukee Wisconsin, RB, Senior, Air Cargo, AMT, 6.50%, 1/01/25	\$ 600	\$ 586,098
State of Wisconsin, Refunding RB, Series A, 6.00%, 5/01/36	14,300	15,895,880
Wisconsin Health & Educational Facilities Authority, RB, Ascension Health Senior Credit Group, 5.00%, 11/15/33	4,970	5,064,331
Wisconsin Health & Educational Facilities Authority, Refunding RB, Franciscan Sisters Healthcare, 5.00%, 9/01/26	7,220	6,677,417
		<hr/> 28,223,726
Wyoming 1.9%		
County of Sweetwater Wyoming, Refunding RB, Idaho Power Co. Project, 5.25%, 7/15/26	6,195	6,549,602
Wyoming Community Development Authority, RB, Series 3, AMT, 4.75%, 12/01/37	5,315	5,124,776
Wyoming Municipal Power Agency, RB, Series A, 5.00%, 1/01/42	595	590,282
		<hr/> 12,264,660
Total Municipal Bonds 121.9%		<hr/> 768,933,062

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

Alabama 0.7%

Alabama Special Care Facilities Financing Authority- Birmingham, Refunding RB, Ascension Health Senior Credit, Series C-2, 5.00%, 11/15/36	4,538	4,588,512
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California 3.1%

Bay Area Toll Authority, Refunding RB, San Francisco Bay Area, Series F-1, 5.63%, 4/01/44	6,581	7,165,212
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California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/18	5,310	5,694,019
Los Angeles Community College District California, GO, Election 2001, Series A (AGM), 5.00%, 8/01/32	4,650	4,760,391
San Diego Community College District California, GO, Election 2002, 5.25%, 8/01/33	2,154	2,261,652

19,881,274

Colorado 2.7%

Colorado Health Facilities Authority, RB, Catholic Health (AGM): Series C-3, 5.10%, 10/01/41	7,490	7,538,835
Series C-7, 5.00%, 9/01/36	4,800	4,825,152
Colorado Health Facilities Authority, Refunding RB, Catholic Healthcare, Series A, 5.50%, 7/01/34	4,299	4,559,008

16,922,995

Connecticut 3.1%

Connecticut State Health & Educational Facility Authority, RB, Yale University: Series T-1, 4.70%, 7/01/29	9,130	9,577,918
Series X-3, 4.85%, 7/01/37	9,270	9,661,287

19,239,205

See Notes to Financial Statements.

Schedule of Investments (continued)

BlackRock MuniYield Fund, Inc. (MYD)
 (Percentages shown are based on Net Assets)

Municipal Bonds Transferred to Tender Option Bond Trusts (f)	Par (000)	Value
Georgia 1.1%		
Private Colleges & Universities Authority, Refunding RB, Emory University, Series C, 5.00%, 9/01/38	\$ 6,398	\$ 6,713,123
New Hampshire 0.7%		
New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth College, 5.25%, 6/01/39	4,048	4,394,979
New York 0.6%		
New York City Municipal Water Finance Authority, RB, Series FF-2, 5.50%, 6/15/40	3,194	3,552,178
North Carolina 3.6%		
North Carolina Capital Facilities Finance Agency, Refunding RB: Duke University Project, Series A, 5.00%, 10/01/41	18,897	19,653,685
Wake Forest University, 5.00%, 1/01/38	3,120	3,299,618
		<u>22,953,303</u>
Ohio 4.6%		
State of Ohio, Refunding RB, Cleveland Clinic Health, Series A, 5.50%, 1/01/39	27,900	29,149,083
South Carolina 2.8%		
Charleston Educational Excellence Finance Corp., RB, Charleston County School (AGC): 5.25%, 12/01/28	7,795	8,096,199
5.25%, 12/01/29	6,920	7,156,318
5.25%, 12/01/30	2,510	2,588,211
		<u>17,840,728</u>
Tennessee 1.8%		
Shelby County Health Educational & Housing Facilities Board, Refunding RB, St. Jude's Children's Research Hospital, 5.00%, 7/01/31	11,240	11,624,745
Virginia 8.9%		
Fairfax County IDA Virginia, Refunding RB, Health Care, Inova Health System, Series A, 5.50%, 5/15/35	6,266	6,636,174
University of Virginia, Refunding RB, General, 5.00%, 6/01/40	10,620	11,241,801

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Virginia HDA, RB, Sub-Series H-1 (NPFGC):		
5.35%, 7/01/31	6,720	6,781,623
5.38%, 7/01/36	30,930	31,166,305
		55,825,903

Washington 0.9%		
Central Puget Sound Regional Transit Authority, RB, Series A (AGM), 5.00%, 11/01/32	5,384	5,665,767

Wisconsin 1.9%		
Wisconsin Health & Educational Facilities Authority, Refunding RB, Froedtert & Community Health Inc., 5.25%, 4/01/39	11,457	11,735,613

Total Municipal Bonds Transferred to Tender Option Bond Trusts 36.5%		230,087,408
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Total Long-Term Investments (Cost \$984,417,546) 158.4%		999,020,470
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Short-Term Securities	Shares	Value
FII Institutional Tax-Exempt Fund, 0.25% (g)(h)	2,366,896	\$ 2,366,896

Total Short-Term Securities (Cost \$2,366,896) 0.4%		2,366,896
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Total Investments (Cost \$986,784,442*) 158.8%		1,001,387,366
Liabilities in Excess of Other Assets (0.6%)		(3,924,446)
Liability for Trust Certificates, Including Interest Expense and Fees Payable (18.3%)		(115,364,457)
Preferred Shares, at Redemption Value (39.9%)		(251,490,542)
Net Assets Applicable to Common Shares 100.0%		\$ 630,607,921

* The cost and unrealized appreciation (depreciation) of investments as of April 30, 2010, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 869,325,400
Gross unrealized appreciation	\$ 37,909,609
Gross unrealized depreciation	(21,116,266)
Net unrealized appreciation	\$ 16,793,343

(a)

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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.

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

Counterparty	Value	Unrealized Appreciation
Goldman Sachs Bank USA	\$ 7,659,336	\$ 44,234

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

(d) Issuer filed for bankruptcy and/or is in default of interest payments.

(e) Non-income producing security.

(f) Securities represent bonds transferred to a tender option bond trust 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 tender option bond trusts.

(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, were as follows:

Affiliate	Shares Held at April 30, 2009	Net Activity	Shares Held at April 30, 2010	Income
FFI Institutional Tax-Exempt Fund	2,105,032	261,864	2,366,896	\$ 19,781

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

See Notes to Financial Statements.

Schedule of Investments (concluded)

BlackRock MuniYield Fund, Inc. (MYD)

Fair Value Measurements Various inputs are used in determining the fair value of investments, which are 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 a