#### BLACKROCK MUNIYIELD INVESTMENT FUND

Form N-Q June 22, 2016

### **UNITED STATES**

#### SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### **FORM N-Q**

### QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED

### MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-06502

Name of Fund: BlackRock MuniYield Investment Fund (MYF)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniYield

Investment Fund, 55 East 52<sup>nd</sup> Street, New York, NY 10055

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

Date of fiscal year end: 07/31/2016

Date of reporting period: 04/30/2016

Item 1 Schedule of Investments

## Schedule of Investments April 30, 2016 (Unaudited)

BlackRock MuniYield Investment Fund (MYF)

(Percentages shown are based on Net Assets)

	Par		
Municipal Bonds	(000)	Value	
Alabama 0.3%	(000)	, where	
City of Selma Alabama IDB, RB, Gulf Opportunity Zone, International Paper Co. Project, Series A,			
5.38%, 12/01/35	\$ 545	\$ 607,566	
Alaska 0.8%			
Alaska Municipal Bond Bank Authority, RB:			
5.75%, 9/01/18 (a)	975	1,087,232	
5.75%, 9/01/33	25	27,628	
Northern Tobacco Securitization Corp., Refunding RB, Tobacco Settlement, Asset-Backed, Series A,			
5.00%, 6/01/46	690	645,550	
		1,760,410	
California 13.1%		-,,	
California Educational Facilities Authority, RB, University of Southern California, Series A,			
5.25%, 10/01/38	2,740	3,026,659	
California Health Facilities Financing Authority, RB, Sutter Health, Series B, 6.00%, 8/15/42	1,645	1,976,040	
California Health Facilities Financing Authority, Refunding RB, Catholic Healthcare West, Series A,			
6.00%, 7/01/39	710	811,693	
California Statewide Communities Development Authority, RB, Loma Linda University Medical Center,			
Series A (b)(c):			
5.00%, 12/01/41	330	359,090	
5.00%, 12/01/46	405	440,348	
City & County of San Francisco California Airports Commission, Refunding ARB, AMT, Series A:			
2nd, 5.50%, 5/01/28	1,065	1,298,725	
2nd, 5.25%, 5/01/33	830	969,457	
5.00%, 5/01/44	1,275	1,443,644	
City of Los Angeles California Department of Water & Power, RB, Power System, Sub-Series A-1,			
5.25%, 7/01/38	2,000	2,182,620	
City of San Jose California, Refunding ARB, Series A-1, AMT, 5.50%, 3/01/30	1,500	1,749,255	
Kern Community College District, GO, Safety, Repair & Improvement, Series C, 5.50%, 11/01/33	1,620	2,044,246	
	Par		
Municipal Bonds	(000)	Value	
California (continued)			
San Diego Regional Building Authority, RB, County Operations Center & Annex, Series A,			
5.38%, 2/01/19 (a)	\$ 1,310	\$ 1,472,099	
State of California, GO, Various Purposes, 6.00%, 3/01/33	2,535	3,013,253	
State of California Public Works Board, LRB, Various Capital Projects, Series I, 5.50%, 11/01/31	1,000	1,242,020	
State of California Public Works Board, RB, Department of Corrections & Rehabilitation, Series F,	025	1 022 104	
5.25%, 9/01/33	835	1,023,184	
Township of Washington California Health Care District, GO, Election of 2004, Series B, 5.50%, 8/01/40	625	760,412	
University of California, Refunding RB, Regents of the University of California Medical Center Pooled Revenue, Series J, 5.25%, 5/15/38	3,730	4,488,906	
Reveilue, Series J, 5.25%, 5/15/56	3,730	4,400,900	
		28,301,651	
Colorado 0.9%			
City & County of Denver Colorado Airport System, ARB, Series A, AMT:	1 000	1.106.650	
5.50%, 11/15/28	1,000	1,196,650	
5.50%, 11/15/30	330	392,746	
5.50%, 11/15/31	400	474,780	
		2,064,176	
Delaware 0.3%			
County of Sussex Delaware, RB, NRG Energy, Inc., Indian River Power LLC Project, 6.00%, 10/01/40	500	546,790	
Florida 6.6%	/=-	001 110	
City of Jacksonville Florida, Refunding RB, Series A, 5.25%, 10/01/33	675	821,448	
County of Broward Florida Airport System Revenue, ARB, Series A, AMT, 5.00%, 10/01/45	985	1,123,915	

County of Hillsborough Florida Aviation Authority, Refunding ARB, Tampa International Airport, Series A,

AMT, 5.50%	, 10/01/29					1,995	2,374,289	
County of Le	e Florida, Refunding ARB, Series	A, AMT, 5.	38%, 10/	01/32		2,000	2,300,840	

BLACKROCK MUNIYIELD INVESTMENT FUND

APRIL 30, 2016

# Schedule of Investments (continued)

BlackRock MuniYield Investment Fund (MYF)

	Par		
Municipal Bonds	(000)	Value	
Florida (continued)	(000)	v aruc	
County of Lee Florida Housing Finance Authority, RB, S/F Housing, Multi-County Program, Series A-2, AMT (Ginnie Mae), 6.00%, 9/01/40	\$ 290	\$ 297,137	
County of Manatee Florida Housing Finance Authority, RB, S/F Housing, Series A, AMT (Ginnie Mae,	\$ 290	\$ 297,137	
Fannie Mae & Freddie Mac), 5.90%, 9/01/40 County of Miami-Dade Florida, RB, Seaport:	240	243,852	
Series A, 5.38%, 10/01/33	1,170	1,360,827	
Series B, AMT, 6.25%, 10/01/38	525	657,200	
Series B, AMT, 6.00%, 10/01/42	700	842,919	
County of Miami-Dade Florida Aviation, Refunding ARB, Series A, AMT, 5.00%, 10/01/31	2,440	2,804,731	
Reedy Creek Improvement District, GO, Series A, 5.25%, 6/01/32	1,200	1,438,992	
		14,266,150	
Georgia 0.4%		14,200,130	
Municipal Electric Authority of Georgia, Refunding RB, Project One, Sub-Series D, 6.00%, 1/01/23	880	979,669	
Hawaii 1.2%			
State of Hawaii, Department of Transportation, COP, AMT:			
5.25%, 8/01/25	485	583,896	
5.25%, 8/01/26	525	628,940	
State of Hawaii, Department of Transportation, RB, Series A, AMT, 5.00%, 7/01/45	1,135	1,291,403	
		2,504,239	
Illinois 14.6%			
City of Chicago Illinois, GARB, O Hare International Airport, 3rd Lien, Series C, 6.50%, 1/01/41	6,065	7,354,904	
City of Chicago Illinois Midway International Airport, Refunding GARB, 2nd Lien, Series A,			
5.00%, 1/01/41	1,000	1,115,790	
City of Chicago Illinois Transit Authority, RB, Sales Tax Receipts:			
5.25%, 12/01/36	1,000	1,100,900	
5.25%, 12/01/40	1,000	1,092,350	
	Par		
Municipal Bonds	(000)	Value	
Illinois (continued)	(000)	v aruc	
County of Cook Illinois Community College District No. 508, GO, City College of Chicago:			
5.50%, 12/01/38	\$ 2,000	\$ 2,273,060	
5.25%, 12/01/43	1,500	1,666,185	
Illinois Finance Authority, RB, Carle Foundation, Series A, 6.00%, 8/15/41	4,000	4,746,800	
Illinois Finance Authority, Refunding RB:	1,000	1,7 10,000	
Central DuPage Health, Series B, 5.38%, 11/01/39	1,200	1,360,416	
Northwestern Memorial Hospital, Series A, 6.00%, 8/15/39	4,160	4,817,655	
Railsplitter Tobacco Settlement Authority, RB:			
5.50%, 6/01/23	1,370	1,615,312	
6.00%, 6/01/28	390	466,054	
State of Illinois, GO:			
5.25%, 2/01/32	2,200	2,404,688	
5.50%, 7/01/33	1,000	1,103,150	
5.50%, 7/01/38	415	453,458	
		31,570,722	
Indiana 3.1%			
City of Valparaiso Indiana, RB, Exempt Facilities, Pratt Paper LLC Project, AMT, 6.75%, 1/01/34	1,350	1,655,127	
Indiana Municipal Power Agency, RB, Series B, 6.00%, 1/01/19 (a)	4,525	5,138,047	
		6,793,174	
Kansas 1.7%		·	
Kansas Development Finance Authority, Refunding RB, Adventist Health System/Sunbelt Obligated Group,			
Series C, 5.50%, 11/15/29	3,275	3,759,176	
Kentucky 0.6%			

County of Louisville & Jefferson Kentucky Metropolitan Government Parking Authority, RB, Series A,

5.75%, 12/01/34	1,200	1,395,000
Louisiana 2.2%		
Lake Charles Harbor & Terminal District, RB, Series B, AMT (AGM), 5.50%, 1/01/29	1,500	1,805,370

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# Schedule of Investments (continued)

BlackRock MuniYield Investment Fund (MYF)

	Par	
Manifold David	(000)	¥7-1
Municipal Bonds	(000)	Value
Louisiana (continued)  Louisiana Local Government Environmental Facilities & Community Development Authority, RB, Westlake		
Chemical Corp. Project, Series A-1, 6.50%, 11/01/35	\$ 1,420	\$ 1.708.274
Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, Series A, 5.50%, 5/15/29		1 7
Tobacco Settlement Financing Corp., Refunding RD, Asset-Dacked, Series A, 5.30%, 3/13/29	1,195	1,312,457
		4,826,101
Maine 1.4%		
Maine Health & Higher Educational Facilities Authority, RB, Maine General Medical Center,		
7.50%, 7/01/32	2,500	2,991,400
Massachusetts 2.5%		
Massachusetts HFA, Refunding RB, AMT:		
Series B, 5.50%, 6/01/41	1,210	1,282,939
Series C, 5.35%, 12/01/42	2,000	2,099,820
Series F, 5.70%, 6/01/40	1,925	2,026,929
		5,409,688
Michigan 2.7%		
City of Lansing Michigan, RB, Board of Water & Light Utilities System, Series A, 5.50%, 7/01/41	1,805	2,132,409
Michigan State Building Authority, Refunding RB, Facilities Program Series:		
6.00%, 10/15/18 (a)	760	856,451
6.00%, 10/15/38	490	548,173
Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, Series V,		
8.25%, 9/01/18 (a)	1,970	2,311,204
		5,848,237
Mississimi 110		3,040,237
Mississippi 1.1%  Mississippi Payalarment Bank BB Jackson Water & Sawan System Brainet (ACM) 6.88% 12/01/40	1 705	2 401 207
Mississippi Development Bank, RB, Jackson Water & Sewer System Project (AGM), 6.88%, 12/01/40  Nevada 3.3%	1,785	2,401,307
	2.950	2 272 712
City of Las Vegas Nevada, GO, Limited Tax, Performing Arts Center, 6.00%, 4/01/19 (a)	2,850 <b>Par</b>	3,272,712
	rai	
Municipal Bonds	(000)	Value
Nevada (continued)		
County of Clark Nevada Airport System, ARB, Series B, 5.75%, 7/01/42	\$ 3,375	\$ 3,917,059
		7,189,771
New Jersey 4.3%		· ·
New Jersey EDA, RB, The Goethals Bridge Replacement Project, Private Activity Bond, AMT (AGM),		
5.00%, 1/01/31	900	1,014,228
New Jersey EDA, Refunding RB, New Jersey American Water Co., Inc. Project, AMT, Series A,		
5.70%, 10/01/39	2,250	2,550,600
New Jersey Transportation Trust Fund Authority, RB, Transportation System:		
Series A, 5.88%, 12/15/38	2,670	2,940,712
Series AA, 5.50%, 6/15/39	2,475	2,738,711
		9,244,251
New York 1.4%		7,44,431
Counties of New York Tobacco Trust IV, Refunding RB, Settlement Pass-Through Turbo, Series A,		
6.25%, 6/01/41 (b)	1,100	1,158,861
New York Liberty Development Corp., Refunding RB, 2nd Priority, Bank of America Tower at One Bryant	1,100	1,150,001
Park Project, Class 3, 6.38%, 7/15/49	1,650	1,856,778
1 min 110 1000 C1000 0, 0.00 10, 11 1017	1,050	1,030,770
		3,015,639
Ohio 2.2%		
County of Allen Ohio Hospital Facilities, Refunding RB, Catholic Healthcare Partners, Series A,		2.406.465
5.25%, 6/01/38	3,115	3,496,183
State of Ohio Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1, 5.25%, 2/15/31	1,000	1,208,310

		4,704,493	
Oklahoma 0.4%			
Tulsa Airports Improvement Trust, Refunding RB, American Airlines, Inc., AMT, 5.00%, 6/01/35 (d)	700	802,235	
Pennsylvania 5.1%			
Pennsylvania Economic Development Financing Authority, RB, American Water Co. Project,			
6.20%, 4/01/39	1,075	1,220,662	

BLACKROCK MUNIYIELD INVESTMENT FUND

APRIL 30, 2016

# Schedule of Investments (continued)

BlackRock MuniYield Investment Fund (MYF)

Municipal Bonds Jennsylvania (continued) Jennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, .50%, 11/01/44		
ennsylvania (continued) ennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT,	(000)	Value
ennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT,	(000)	v aluc
	\$ 1,000	\$ 1,049,840
ennsylvania Turnpike Commission, RB:	φ 1,000	Ψ 1,0+2,0+0
eries B, 5.00%, 12/01/45	1,000	1,154,740
	3,000	
ub-Series A, 6.00%, 12/01/16 (a)		3,096,270
ub-Series A, 5.63%, 12/01/31	2,455	2,871,393
Ownship of Bristol Pennsylvania School District, GO, 5.25%, 6/01/37	1,500	1,741,050
		11,133,955
Rhode Island 1.9%	2.050	4.006.071
Obacco Settlement Financing Corp., Refunding RB, Series B, 4.50%, 6/01/45	3,950	4,096,071
outh Carolina 4.5%		
County of Charleston South Carolina, RB, Special Source, 5.25%, 12/01/38	2,505	3,034,306
County of Charleston South Carolina Airport District, ARB, Series A, AMT:		
.00%, 7/01/38	1,955	2,325,297
.50%, 7/01/41	1,000	1,152,540
outh Carolina Ports Authority, RB, AMT, 5.25%, 7/01/50	1,280	1,456,550
outh Carolina State Public Service Authority, Refunding RB, Series E, 5.25%, 12/01/55	1,500	1,758,915
Duth Caronna State Public Service Authority, Refunding RB, Series E, 5.25%, 12/01/55	1,500	1,/38,913
100		9,727,608
Sennessee 1.2%		
Metropolitan Nashville Airport Authority, ARB, Series B, AMT:		
.00%, 7/01/40	1,350	1,552,189
.00%, 7/01/43	1,000	1,143,770
		2,695,959
exas 9.3%		
Central Texas Regional Mobility Authority, Refunding RB, Senior Lien (a):		
.75%, 1/01/21	1,000	1,171,810
.00%, 1/01/21	2,600	3,079,466
	Par	2,075,100
Iunicipal Bonds	(000)	Value
'exas (continued)	` '	
Conroe Texas ISD, GO, School Building, Series A, 5.75%, 2/15/18 (a)	\$ 1,800	\$ 1,961,460
County of Tarrant Texas Cultural Education Facilities Finance Corp., RB, Scott & White Healthcare:		
.00%, 8/15/20 (a)	280	338,344
.00%, 8/15/45	3,515	4,252,377
Pallas Area Rapid Transit, Refunding RB, Series A, 5.00%, 12/01/48 Pallas-Fort Worth International Airport, ARB, Joint Improvement, AMT:	1,900	2,247,586
eries A, 5.00%, 11/01/38	1,365	1,521,866
eries H, 5.00%, 11/01/37	1,535	1,714,487
Jorth Texas Tollway Authority, Refunding RB, 1st Tier, Series K-1 (AGC), 5.75%, 1/01/19 (a)	1,000	1,114,520
led River Education Financing Corp., RB, Texas Christian University Project, 5.25%, 3/15/38	710	847,001
Direct Activity David Confee Transportation Con. DD C 1 11 NEED M 1114 D 1 11 C	1,700	2,003,637
exas Private Activity Bond Surface Transportation Corp., RB, Senior Lien, NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39		20.252.554
Jorth Tarrant Express Managed Lanes Project, 6.88%, 12/31/39		20,252,554
Virginia 1.9%		20,252,554
Jorth Tarrant Express Managed Lanes Project, 6.88%, 12/31/39	560	20,252,554
Virginia 1.9%	560 800	644,784
Virginia 1.9% City of Lexington Virginia IDA, RB, Washington & Lee University, 5.00%, 1/01/43 Cirginia Public School Authority, RB, Fluvanna County School Financing, 6.50%, 12/01/18 (a)		· ·
Forth Tarrant Express Managed Lanes Project, 6.88%, 12/31/39  Firginia 1.9%  City of Lexington Virginia IDA, RB, Washington & Lee University, 5.00%, 1/01/43		644,784
Virginia 1.9% City of Lexington Virginia IDA, RB, Washington & Lee University, 5.00%, 1/01/43 Cirginia Public School Authority, RB, Fluvanna County School Financing, 6.50%, 12/01/18 (a) Cirginia Small Business Financing Authority, RB, Senior Lien, Elizabeth River Crossings OpCo LLC	800	644,784 917,640

Wisconsin Health & Educational Facilities Authority, Refunding RB:

Froedtert & Community Health, Inc., Series C, 5.25%, 4/01/39

3,470

3,764,811

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Municipal Bonds	Schedule of Investments (continued)	BlackRock MuniYield Investment Fur (MY)		nt Fund (MYF)
Wisconsin (continued)   Wisconsin (Enc. 4, 200%, 12/01/46 (c)   \$ 1,155   \$ 1,211/468		Par		
Wisconsin Health & Educational Facilities Authority, Refunding RB (continued):		(000)	Value	
Total Municipal Bonds   91.3%   197,900,691   197,900,69				
Municipal Bonds   Yansferred to   Tender Option Bond Trusts (c)   California   20.1%	Medical College of Wisconsin, Inc., 4.00%, 12/01/46 (c)	\$ 1,155	\$ 1,211,468	
Municipal Bonds   Yansferred to   Tender Option Bond Trusts (c)   California   20.1%				
Municipal Bonds Transferred to   Tender Option Bond Trusts (e)   California 20.1%	Total Municipal Ronds 91 3%			
Tender Option Bond Trusts (e)	Total Mullicipal Bolius 71.5 //		177,700,071	
California 20.1%   Bay Arca Toll Authority, Refunding RB, San Francisco Bay Area, Series F-1, 5.63%, 4.001/19 (a)	-			
California Educational Facilities Authority, RB, University of Southern California, Scries B, 525%, 1001/39 () 4,639,404 Grossmont Union High School District, GO, Election of 2008, Series B, 5.00%, 8/01/40 5,250 6,889.860 Los Angeles Community College District California, GO, Election of 2008, Series C, 5.25%, 8/01/39 () 5,250 6,127,774 Los Angeles Community College District California, GO, Refunding, Election of 2008, Series C, 5.25%, 8/01/39 () 5,250 6,127,774 Los Angeles Community College District California, GO, Refunding, Election of 2008, Series C, 5.25%, 8/01/39 () 8,888.21 Los Angeles Unified School District California, GO, Series I, 5.00%, 1/01/34 790 888.821 San Diego Public Pacilities Financing Authority Water, RB, Series B, 5.50%, 8/01/39 8,412 9,599,019 University of California, RB, Series O, 5.75%, 5/15/19 (a) 3,000 3,449/280 University of California, RB, Series O, 5.75%, 5/15/19 (a) 3,000 3,449/280 University of California, RB, Series O, 5.75%, 5/15/19 (a) 2,417,933 University of California, RB, Series O, 5.75%, 5/15/19 (a) 2,417,933 University of California, RB, Series O, 5.75%, 5/15/19 (a) 2,417,933 University of California, RB, Series O, 5.75%, 5/15/19 (a) 2,417,933 University of California, RB, Series O, 5.75%, 5/15/19 (a) 2,417,933 University of California, RB, Series O, 5.75%, 5/15/19 (a) 2,417,933 University of California, RB, Series O, 5.50%, 12/01/30 (f) 2,805 3,251,612 Part  Municipal Bonds Transferred to Tender Option Bond Transferred to Tender Option				
\$25%, [1001/39 (f) 6,000		2,680	3,050,808	
Grossmot Union High School District, GO, Election of 2008, Series B, 5.09%, 8/01/49 () 5.550 6.127,774  Los Angeles Community College District California, GOC, Refunding, Election of 2008, Series A, 7,697 8.980,518  Los Angeles Community College District California, GOC, Refunding, Election of 2008, Series A, 7,697 8.980,518  Los Angeles Unified School District California, GO, Series B, 5.50%, 1/01/24 790 888,521  Los Angeles Unified School District California, GO, Series B, 5.50%, 8/01/39 8412 9.599,019  University of California, RB, Series O, 5.75%, 5/15/19 (a) 3,000 3,449,280  University of California, RB, Series O, 5.75%, 5/15/19 (a) 43,625,484  Colorado 1.1%  Colorado 1.1%  Colorado Lath Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A, 5.50%, 7/01/34 (f) 2,417,933  District of Columbia 3.3%  District of Columbia 3.3%  District of Columbia Species O, 5.50%, 1/2/01/30 (f) 2,805 3,251,612  Par  Municipal Bonds Transferred to (000) Value  District of Columbia (National California)  Tender Option Bond Trusts (e) (000) Value  District of Columbia (Water & Sewer Authority, Refunding RB, Senior Lien, Series A, 5.50%, 10/01/18 (a) 5,307 \$3,904,814  Florida 2.0%  County of Hillsborough Florida Aviation Authority, ARB, Tampa International Airport, Series A, AMT (AGC), 5.50%, 10/01/38  Blinois 3.6%  State of Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/18 (a) 5,300 5,925,612  State of Illinois Finance Authority, RB, Serior Priority, Series B, 5.50%, 1/01/18 (a) 5,000 5,565,650  Series B, 5.50%, 7/01/29 5,668 6,439,047  Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28  New Hampshire 1.1%  New Hampshire L16% Authority, RB, Tamportation District, CO: 2,259, 7/01/19 (a) (f) 2,159 2,438,611  New Jersey Housing & Mortgage Finance Agency, RB, SF Housing, Series C, 5.25%, 6/01/19 (a) (f) 2,159 2,438,611		4.200	4 620 404	
Los Angeles Community College District California, GO, Election of 2008, Series C, 5.25%, 801/39 († 5.250 6.127,774  Los Angeles Community College District California, GO, Refunding, Election of 2008, Series A, 6.00%, 809/19 (a) 7,697 8,980.518  Los Angeles Unified School District California, GO, Series I, 5.00%, 1/01/34 790 888.821  San Diego Public Facilities Financing Authority Water, RB, Series B, 5.50%, 8/01/39 8,412 9,599.019  University of California, RB, Series O, 5.75%, 5/15/19 (a) 3,000 3,449.280  Colorado 1.1%  Colorado Health Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A, 5.50%, 7/01/34 (f) 2,149 2,417,933  District of Columbia 3.3%  District of Columbia 3.3%  District of Columbia AB, Series A, 5.50%, 12/01/30 (f) 2,805 3,251.612  Par  Municipal Bonds Transferred to Tender Option Bond Trusts (e) (000) Value  District of Columbia Ruser & Sewer Authority, Refunding RB, Senior Lien, Series A, 5.50%, 10/01/18 (a) \$ 3,507 \$ 3,904.814  Florida 2.0%  County of Hillsborough Florida Aviation Authority, ARB, Tampa International Airport, Series A, AMT  (AGC), 5.50%, 10/01/38  Sate of Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/18 (a) \$ 5,000 \$ 5,255.612  State of Illinois Finance Authority, RB, Senior Priority, Series B, 5.50%, 10/1/18 (a) \$ 5,000 \$ 5,255.612  State of Illinois Finance Authority, RB, Senior Priority, Series B, 5.50%, 10/1/18 (a) \$ 5,000 \$ 5,565.650  Revada 8.8%  County of Clark Nevada Water Reclamation District, GO:  Limited Tax, 6.00%, 7/01/18 (a) \$ 5,000 \$ 5,565.650  Reval Sequence Value Finance Agency, RB, SF Housing, Series C, 5.25%, 6/01/19 (a)(f) \$ 2,159 \$ 2,438.611  New Jersey Thompsortation Trust Fund Authority, RB, Transportation Rystem:		,		
Los Angeles Community College District California, GO, Refunding, Election of 2008, Series A, 600%, 801/19 (a) 7,697 8,980,518  Los Angeles Unified School District California, GO, Series I, 5,00%, 1/01/24 790 888,821  San Diego Public Facilities Financing Authority Water, RB, Series B, 5,50%, 8/01/39 8,412 9,599,019  University of California, RB, Series O, 5,75%, 5/15/19 (a) 3,000 3,449,280  University of California, RB, Series O, 5,75%, 5/15/19 (a) 43,625,484  Colorado 1.1%  Colorado Halth Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A, 5,50%, 7/01/24 (f) 2,147,933  District of Columbia 3.3%  District of Columbia 3.8%  District of Columbia Series A, 5,50%, 12/01/30 (f) 2,805 3,251,612  Par  Municipal Bonds Transferred to  Tender Option Bond Trusts (e) (000) Value  District of Columbia Water & Sewer Authority, Refunding RB, Senior Lien, Series A, 5,50%, 10/01/18 (a) \$ 3,507 \$ 3,904,814  District of Columbia Water & Sewer Authority, Refunding RB, Senior Lien, Series A, 5.00%, 10/01/18 (a) \$ 3,507 \$ 3,904,814  Florida 2.0%  County of Hillsborough Florida Aviation Authority, ARB, Tampa International Airport, Series A, AMT (AGC), 5,50%, 10/01/38  Rate of Illinois Finance Authority, RB, University of Chicago, Series B, 6,25%, 7/01/18 (a) 5,300 5,925,612  State of Illinois Finance Authority, RB, Senior Priority, Series B, 5,50%, 1/01/18 (a) 1,750 1,888,469  Nevada 8.8%  Nevada 8.8%  Nevada 8.8%  Nevada 8.8%  Nevada 8.8%  Nevada Valley Water District, GO, Refunding, Series C, 5,00%, 6/01/28 5,006,601/19 (a) (b) 2,159 2,438,611  New Hampshire 1.1%  New Hampshire L1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5,25%, 6/01/19 (a) (f) 2,159 2,438,611  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5,25%, 6/01/19 (a) (f) 2,251 2,393,755				
Los Angeles Unified School District California, GO, Series I, 5.00%, 1/01/34 790 88.8.21 San Diego Public Facilities Financing Authority Water, RB, Series B, 5.50%, 8/01/39 8,412 9,599.019 University of California, RB, Series O, 5.75%, 5/15/19 (a) 43,625,484  Colorado 1.1% 43,625,484  Colorado 1.1% 2,149 2,417.933  District of Columbia Columbia, RB, Series A, 5.50%, 1/01/34 (f) 2,149 2,417.933  District of Columbia, RB, Series A, 5.50%, 1/201/30 (f) 2,805 3,251,612  Par  Municipal Bonds Transferred to  Tender Option Bond Trusts (e) (000) Value  District of Columbia Continued)  District of Columbia Water & Sewer Authority, Refunding RB, Senior Lien, Series A, 5.50%, 1/01/18 (a) \$ 3,507 \$ 3,904,814  County of Hilbsborough Florida Aviation Authority, ARB, Tampa International Airport, Series A, AMT (AGC), 5.50%, 1/001/38 (a) 1,750 1,888,469  Florida 2.0%  County of Hilbsborough Florida Aviation Authority, Series B, 5.50%, 1/01/18 (a) 1,750 1,888,469  Tender Option Florida Polity RB, University of Chicago, Series B, 5.50%, 1/01/18 (a) 1,750 1,888,469  Tender Option Florida Aviation District, GO:  Limited Tax, 6.00%, 7/01/29 5,668 6,439,047 1,120,899  New Hampshire 1.1%  New Mampshire 1.1%  New Hampshire Lall% & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a) (2,159 2,438,611 Now Jersey Housing & Mortgage Finance Agency, RB, SF Housing, Series CC, 5.25%, 1/01/19 (a) 5,255, 1,203,755  New Jersey Housing & Mortgage Finance Agency, RB, SF Housing, Series CC, 5.25%, 1/01/19 (a) 5,255, 1,203,755		, , , ,	., .,	
Sam Diego Public Facilities Financing Authority Water, RB, Series B, 5.50%, 8/01/39   3,000   3,449/280   3,000   3,449/280   3,000   3,449/280   3,000   3,449/280   3,000   3,449/280   3,484   2,800   3,449/280   3,000   3,449/280   3,484   2,800   3,484   2,800   3,484   2,800   3,484   2,800   3,484   2,800   3,484   2,800   3,484   2,800   3,484   2,800   3,484   2,800   3,251,612   2,805   3,251,612   3,251,				
University of California, RB, Series O, 5.75%, 5/15/19 (a) 3,000 3,449,280    Colorado 1.1%				
Colorado   1.1%   Colorado   Halth Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A,   S.50%, 7010/13 (f)   Colorado   Halth Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A,   S.50%, 7010/12 (f)   Columbia   3.3%   District of Columbia   3.3%   Columbia   S.50%, 7010/12 (f)   Columbia   Colu				
Colorado   1.1%   Colorado   Health Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A, 5.50%, 70/134 (f)	University of Camorina, RB, Series O, 3.75%, 3/13/19 (a)	3,000	3,449,200	
Colorado Health Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A, 5.50%, 701/34 (I)   2,417,933   2,417,933   District of Columbia 3.3%   2,805   3,251,612   Par   2,805   3,251,612   Par   2,417,933   Part   Part	Colorado 11%		43,625,484	
S.50%, 7/01/34 (f)   2,149   2,417,933				
District of Columbia, RB, Series A, 5.50%, 12/01/30 (f)	· · · · · · · · · · · · · · · · · · ·	2,149	2,417,933	
Municipal Bonds Transferred to   Columbia (Continued)   Value		2005	2.251.412	
Tender Option Bond Trusts (e)   (000)   Value	District of Columbia, RB, Series A, 5.50%, 12/01/30 (f)		3,251,612	
District of Columbia (continued)   District of Columbia Water & Sewer Authority, Refunding RB, Senior Lien, Series A, 5.50%, 10/01/18 (a) \$ 3,507 \$ 3,904,814				
District of Columbia Water & Sewer Authority, Refunding RB, Senior Lien, Series A, 5.50%, 10/01/18 (a) \$ 3,507 \$ 3,904,814  7,156,426  Florida 2.0%  County of Hillsborough Florida Aviation Authority, ARB, Tampa International Airport, Series A, AMT (AGC), 5.50%, 10/01/38 3,869 4,227,340 Illinois 3.6%  State of Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/18 (a) 5,300 5,925,612 State of Illinois Toll Highway Authority, RB, Senior Priority, Series B, 5.50%, 1/01/18 (a) 1,750 1,888,469  Nevada 8.8%  County of Clark Nevada Water Reclamation District, GO:  Limited Tax, 6.00%, 7/01/18 (a) 5,000 5,565,650 Series B, 5.50%, 7/01/29 5,668 6,439,047 Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28 6,070 7,120,899  New Hampshire 1.1%  New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f) 2,159 2,438,611 New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29 2,251 2,393,755 New Jersey Transportation Trust Fund Authority, RB, Transportation System:	•	(000)	Value	
Florida 2.0%  County of Hillsborough Florida Aviation Authority, ARB, Tampa International Airport, Series A, AMT (AGC), 5.50%, 10/01/38  Illinois 3.6%  State of Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/18 (a) 5,300 5,925,612 State of Illinois Toll Highway Authority, RB, Senior Priority, Series B, 5.50%, 1/01/18 (a) 1,750 1,888,469  Nevada 8.8%  County of Clark Nevada Water Reclamation District, GO:  Limited Tax, 6.00%, 7/01/18 (a) 5,000 5,565,650 Series B, 5.50%, 7/01/29 5,668 6,439,047 Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28 6,070 7,120,899  New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f) 2,159 2,438,611 New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29 2,251 2,393,755 New Jersey Transportation Trust Fund Authority, RB, Transportation System:		\$ 3,507	\$ 3,904,814	
County of Hillsborough Florida Aviation Authority, ARB, Tampa International Airport, Series A, AMT (AGC), 5.50%, 10/01/38  Illinois 3.6%  State of Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/18 (a) 5,300 5,925,612 State of Illinois Toll Highway Authority, RB, Senior Priority, Series B, 5.50%, 1/01/18 (a) 1,750 1,888,469  7,814,081  Nevada 8.8%  County of Clark Nevada Water Reclamation District, GO:  Limited Tax, 6.00%, 7/01/18 (a) 5,000 5,565,650 Series B, 5.50%, 7/01/29 5,668 6,439,047  Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28 5,000 7,120,899  New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f) 2,159 2,438,611  New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29 2,251 2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:			7,156,426	
AGC), 5.50%, 10/01/38  State of Illinois 3.6%  State of Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/18 (a)  State of Illinois Toll Highway Authority, RB, Senior Priority, Series B, 5.50%, 1/01/18 (a)  7,814,081  Nevada 8.8%  County of Clark Nevada Water Reclamation District, GO:  Limited Tax, 6.00%, 7/01/18 (a)  5,000  5,565,650  Series B, 5.50%, 7/01/29  Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28  New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)  New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29  2,251  2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:				
State of Illinois Finance Authority, RB, University of Chicago, Series B, 6.25%, 7/01/18 (a)       5,300       5,925,612         State of Illinois Toll Highway Authority, RB, Senior Priority, Series B, 5.50%, 1/01/18 (a)       1,750       1,888,469         7,814,081         Nevada 8.8%         County of Clark Nevada Water Reclamation District, GO:         Limited Tax, 6.00%, 7/01/18 (a)       5,000       5,565,650         Series B, 5.50%, 7/01/29       5,668       6,439,047         Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28       6,070       7,120,899         New Hampshire 1.1%         New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)       2,159       2,438,611         New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29       2,251       2,393,755         New Jersey Transportation Trust Fund Authority, RB, Transportation System:	(AGC), 5.50%, 10/01/38	3,869	4,227,340	
State of Illinois Toll Highway Authority, RB, Senior Priority, Series B, 5.50%, 1/01/18 (a)  1,750  1,888,469  7,814,081  Nevada 8.8%  County of Clark Nevada Water Reclamation District, GO:  Limited Tax, 6.00%, 7/01/18 (a)  5,000  5,565,650  Series B, 5.50%, 7/01/29  Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28  19,125,596  New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)  New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29  2,251  2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:		5 300	5 925 612	
Nevada 8.8%         County of Clark Nevada Water Reclamation District, GO:         Limited Tax, 6.00%, 7/01/18 (a)       5,000       5,565,650         Series B, 5.50%, 7/01/29       5,668       6,439,047         Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28       6,070       7,120,899         New Hampshire 1.1%         New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)       2,159       2,438,611         New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29       2,251       2,393,755         New Jersey Transportation Trust Fund Authority, RB, Transportation System:		•		
County of Clark Nevada Water Reclamation District, GO:  Limited Tax, 6.00%, 7/01/18 (a) 5,000 5,565,650  Series B, 5.50%, 7/01/29 5,668 6,439,047  Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28 6,070 7,120,899  19,125,596  New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f) 2,159 2,438,611  New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29 2,251 2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:			7,814,081	
Limited Tax, 6.00%, 7/01/18 (a) 5,000 5,565,650 Series B, 5.50%, 7/01/29 5,668 6,439,047 Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28 6,070 7,120,899  19,125,596  New Hampshire 1.1% New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f) 2,159 2,438,611  New Jersey 3.6% New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29 2,251 2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:				
Series B, 5.50%, 7/01/29 Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28  19,125,596  New Hampshire 1.1% New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)  New Jersey 3.6% New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29  2,251  2,393,755 New Jersey Transportation Trust Fund Authority, RB, Transportation System:	•	5 000	5 565 650	
Las Vegas Valley Water District, GO, Refunding, Series C, 5.00%, 6/01/28  19,125,596  New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)  New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29  2,251  2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:				
New Hampshire 1.1%  New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f) 2,159 2,438,611  New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29 2,251 2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:		•		
New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)  New Jersey 3.6%  New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29  2,251  2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:			19,125,596	
New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29  2,251  2,393,755  New Jersey Transportation Trust Fund Authority, RB, Transportation System:	New Hampshire Health & Education Facilities Authority, RB, Dartmouth College, 5.25%, 6/01/19 (a)(f)	2,159	2,438,611	
New Jersey Transportation Trust Fund Authority, RB, Transportation System:		2.251	0.202.755	
· · ·		2,251	2,393,733	
	Series A (AMBAC), 5.00%, 12/15/32	4,000	4,192,680	

BLACKROCK MUNIYIELD INVESTMENT FUND

APRIL 30, 2016

Schedule of Investments (continued)	BlackRock MuniYield Investment Fu (M	
	Par	
Municipal Bonds Transferred to	(0.00)	
Tender Option Bond Trusts (e)	(000)	Value
New Jersey (continued) New Jersey Transportation Trust Fund Authority, RB, Transportation System (continued):		
Series B, 5.25%, 6/15/36 (f)	\$ 1,000	\$ 1,076,838
,,()	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,,,,,,,,
		7,663,273
New York 14.5%		1,005,275
City of New York New York Municipal Water Finance Authority, Refunding RB, Water & Sewer System, 2nd General Resolution:		
Series BB, 5.25%, 6/15/44	4,408	5,247,930
Series FF, 5.00%, 6/15/45	3,859	4,506,249
Series FF-2, 5.50%, 6/15/40	2,505	2,839,400
City of New York New York Transitional Finance Authority, BARB, Fiscal 2009, Series S-3,		2.766.010
5.25%, 1/15/39	2,499	2,766,849
Hudson Yards Infrastructure Corp., RB, Fiscal 2012, Series A, 5.75%, 2/15/47 (f)	1,290	1,516,552
New York Liberty Development Corp., RB, 1 World Trade Center Port Authority Consolidated Bonds, 5.25%, 12/15/43	4,365	5 105 220
New York Liberty Development Corp., Refunding RB, 4 World Trade Center Project, 5.75%, 11/15/51 (f)	2,560	5,185,338 3,055,653
New York State Dormitory Authority, ERB, Personal Income Tax, Series B, 5.25%, 3/15/38	5,700	6,378,528
Tow Tork State Domintory Additing, ERB, Fersonal Income Tax, Series B, 3.23 70, 3/13/130	3,700	0,570,520
		31,496,499
South Carolina 1.7%		31,470,477
State of South Carolina Public Service Authority, Refunding RB, Santee Cooper, Series A,		
5.50%, 1/01/38 (f)	3,240	3,643,607
Texas 6.8%		
City of San Antonio Texas Public Service Board, Refunding RB, Series A, 5.25%, 2/01/31 (f)	3,989	4,437,423
County of Harris Texas Cultural Education Facilities Finance Corp., RB, Texas Children s Hospital Project, 5.50%, 10/01/39  Municipal Bonds Transferred to	5,400 <b>Par</b>	6,129,000
Traincipal Bolius Transferred to	1 41	
Tender Option Bond Trusts (e)	(000)	Value
Texas (continued)	(000)	
North Texas Tollway Authority, RB, Special Projects System, Series A, 5.50%, 9/01/41 \$	3,480	\$ 4,115,030
		14,681,453
Utah 1.0%		
City of Riverton Utah, RB, IHC Health Services, Inc., 5.00%, 8/15/41	1,994	2,180,905
Virginia 0.9%		
County of Fairfax Virginia IDA, Refunding RB, Health Care, Inova Health System, Series A, 5.50%, 5/15/35	1,749	1,974,649
Total Municipal Bonds Transferred to Tender Option Bond Trusts 68.5%	1,749	, ,
Total Long-Term Investments		148,445,857
(Cost \$307,493,322) 159.8%		346,346,548
Short-Term Securities	Shares	
BlackRock Liquidity Funds, MuniCash,	) i i i i i i i i i i i i i i i i i i i	
	35,414	3,735,414
Total Short-Term Securities		
(Cost \$3,735,414) 1.7%		3,735,414
Total Investments (Cost \$311,228,736*) 161.5%		350,081,962
Other Assets Less Liabilities 0.7%		1,701,090
Liability for TOB Trust Certificates, Including Interest		(75 547 705)
Expense and Fees Payable (34.8)% VRDP Shares, at Liquidation Value (27.4)%		(75,547,725) (59,400,000)
VKDI Shares, at Elquidation Value (27.4)/0		(39,400,000)
Net Assets Applicable to Common Shares 100.0%		\$ 216,835,327
ppneume to common smales - toolo /e		+ =10,000,01

\* As of April 30, 2016, gross unrealized appreciation and depreciation based on cost for federal income tax purposes were as follows:

Tax cost	\$ 236,311,898
Gross unrealized appreciation	\$ 38,860,253
Gross unrealized depreciation	(596,156)
•	
Net unrealized appreciation	\$ 38,264,097

BLACKROCK MUNIYIELD INVESTMENT FUND

### Schedule of Investments (continued)

BlackRock MuniYield Investment Fund (MYF)

#### Notes to Schedule of Investments

- (a) U.S. 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) Security exempt from registration pursuant to Rule 144A under the Securities Act of 1933, as amended. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (c) When-issued security.
- (d) Variable rate security. Rate as of period end.
- (e) Represent bonds transferred to a TOB Trust in exchange of cash and residual certificates received by the Fund. These bonds serve as collateral in a secured borrowing.
- (f) All or a portion of security is subject to a recourse agreement. The aggregate maximum potential amount the Fund could ultimately be required to pay under the agreements, which expire between October 1, 2016 to November 15, 2019, is \$18,118,175.
- (g) During the period ended April 30, 2016, investments in issuers considered to be affiliates of the Fund for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

	Shares Held at July 31,	Net	Shares Held at April 30,	
Affiliate	2015	Activity	2016	Income
BlackRock Liquidity Funds, MuniCash		3,735,414	3,735,414	\$ 532
FFI Institutional Tax-Exempt Fund	2,293,764	(2,293,764)		246
Total			3,735,414	\$ 778

(h) Current yield as of period end.

#### **Derivative Financial Instruments Outstanding as of Period End**

**Futures Contracts** 

Contracts			Notional	Un	realized
Short	Issue	Expiration	Value	App	reciation
(16)	5-Year U.S. Treasury Note	June 2016	\$ 1,934,625	\$	6,730
(31)	10-Year U.S. Treasury Note	June 2016	\$ 4,031,938		19,945
(9)	Long U.S. Treasury Bond	June 2016	\$ 1,469,813		21,097
(2)	Ultra U.S. Treasury Bond	June 2016	\$ 342,687		4,997
Total				\$	52,769

#### Portfolio Abbreviations

AGC	Assured Guarantee Corp.	GARB	General Airport Revenue Bonds
AGM	Assured Guaranty Municipal Corp.	GO	General Obligation Bonds
AMBAC	American Municipal Bond Assurance Corp.	HFA	Housing Finance Agency
AMT	Alternative Minimum Tax (subject to)	IDA	Industrial Development Authority
ARB	Airport Revenue Bonds	IDB	Industrial Development Board
BARB	Building Aid Revenue Bonds	ISD	Independent School District
COP	Certificates of Participation	LRB	Lease Revenue Bonds
EDA	Economic Development Authority	RB	Revenue Bonds
ERB	Education Revenue Bonds	S/F	Single-Family

BLACKROCK MUNIYIELD INVESTMENT FUND

APRIL 30, 2016

### Schedule of Investments (continued)

BlackRock MuniYield Investment Fund (MYF)

#### Fair Value Hierarchy as of Period End

Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs to valuation techniques are categorized into a fair value hierarchy consisting of three broad levels for financial reporting purposes as follows:

Level 1 unadjusted price quotations in active markets/exchanges for identical assets or liabilities that Fund has the ability to access

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

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

The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). Accordingly, the degree of judgment exercised in determining fair value is greatest for instruments categorized in Level 3. The inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the fair value hierarchy classification is determined based on the lowest level input that is significant to the fair value measurement in its entirety. The significant unobservable inputs used by the Global Valuation Committee in determining the price for Fair Valued Investments are typically categorized as level 3.

Changes in valuation techniques may result in transfers into or out of an assigned level within the hierarchy. In accordance with the Fund s policy, transfers between different levels of the fair value hierarchy are deemed to have occurred as of the beginning of the reporting period. The categorization of a value determined for investments and derivative financial instruments is based on the pricing transparency of the investments and derivative financial instruments and is not necessarily an indication of the risks associated with investing in those securities. For information about the Fund s policy regarding valuation of investments and derivative financial instruments, refer to the Fund s most recent financial statements as contained in its semi-annual report.

The following tables summarize the Fund s investments and derivative financial instruments categorized in the disclosure hierarchy:

	Level 1	Level 2	Level 3	Total
Assets:				
Investments:				
Long-Term Investments <sup>1</sup>		\$ 346,346,548		\$ 346,346,548
Short-Term Securities	\$ 3,735,414			3,735,414
Total	\$ 3,735,414	\$ 346,346,548		\$ 350,081,962

	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments <sup>2</sup>				
Assets:				
Interest rate contracts	\$ 52,769			\$ 52,769

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

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BLACKROCK MUNIYIELD INVESTMENT FUND

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

## Schedule of Investments (concluded)

BlackRock MuniYield Investment Fund (MYF)

The Fund may hold assets and/or liabilities in which the fair value approximates the carrying amount for financial reporting purposes. As of period end, such assets and/or liabilities are categorized within the disclosure hierarchy as follows:

	Level 1	Level 2	Level 3	Total
Assets:				
Cash pledged for futures contracts	\$ 93,550			\$ 93,550
Liabilities:				
Bank overdraft		\$ (338,903)		(338,903)
TOB Trust Certificates		(75,505,967)		(75,505,967)
VRDP Shares		(59,400,000)		(59,400,000)
Total	\$ 93,550	\$ (135,244,870)		\$ (135,151,320)

During the period ended April 30, 2016, there were no transfers between levels.

BLACKROCK MUNIYIELD INVESTMENT FUND

APRIL 30, 2016

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#### Item 2 Controls and Procedures

- 2(a) The registrant s principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant s disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the 1940 Act )) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended.
- 2(b) There were no changes in the registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant s last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant s internal control over financial reporting.

### Item 3 Exhibits

Certifications Attached hereto

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BlackRock MuniYield Investment Fund

By: /s/ John M. Perlowski

John M. Perlowski

Chief Executive Officer (principal executive officer) of

BlackRock MuniYield Investment Fund

Date: June 22, 2016

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /s/ John M. Perlowski

John M. Perlowski

Chief Executive Officer (principal executive officer) of

BlackRock MuniYield Investment Fund

Date: June 22, 2016

By: /s/ Neal J. Andrews

Neal J. Andrews

Chief Financial Officer (principal financial officer) of

BlackRock MuniYield Investment Fund

Date: June 22, 2016