BLACKROCK MUNIASSETS FUND, INC.

Form N-Q September 22, 2015

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: 811-07642

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

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

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

MuniAssets Fund, Inc., 55 East 52nd Street, New York, NY 10055

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

Date of fiscal year end: 04/30/2016

Date of reporting period: 07/31/2015

Item 1 Schedule of Investments

Schedule of Investments July 31, 2015 (Unaudited)

BlackRock MuniAssets Fund, Inc. (MUA)

	Par	
W IN	(000)	Y 1
Municipal Bonds	(000)	Value
Alabama 2.2% County of Jefferson Alabama, RB, Limited Obligation School, Series A:		
5.25%, 1/01/17	\$ 895	\$ 901,713
5.25%, 1/01/19	2,000	2,015,000
5.50%, 1/01/21	1,215	1,224,112
County of Jefferson Alabama Sewer, Refunding RB, Sub-Lien, Series D, 6.00%, 10/01/42	3,745	4,183,427
State of Alabama Docks Department, Refunding RB, 6.00%, 10/01/40	2,165	2,512,959
Sime of Financian Books Beparation, Notation 12, 0000 10, 10, 000 10	2,100	2,812,989
		10 927 211
Alaska 1.1%		10,837,211
Northern Tobacco Securitization Corp., Refunding RB, Tobacco Settlement, Asset-Backed, Series A:		
4.63%, 6/01/23	1,275	1,274,949
5.00%, 6/01/32	1,500	1,281,780
5.00%, 6/01/46	4,000	3,050,600
5.00 /0, 0/01/40	4,000	3,030,000
		5 (07 220
A *		5,607,329
Arizona 1.4%		
City of Phoenix Arizona IDA, RB: Great Hearts Academies Veritas Project, 6.30%, 7/01/42	500	528,875
Great Hearts Academies Veritas Project, 6.50%, 7/01/42 Great Hearts Academies Veritas Project, 6.40%, 7/01/47	425	450,874
Legacy Traditional Schools Project, Series A, 6.50%, 7/01/34 (a)	570	631,742
Legacy Traditional Schools Project, Series A, 6.75%, 7/01/34 (a)	1,000	1,117,360
City of Phoenix Arizona IDA, Refunding RB (a):	1,000	1,117,300
Basis Schools, Inc. Projects, Series A, 5.00%, 7/01/35	305	307,837
Basis Schools, Inc. Projects, Series A, 5.00%, 7/01/35 Basis Schools, Inc. Projects, Series A, 5.00%, 7/01/45	855	845,800
Legacy Traditional School Projects, 5.00%, 7/01/45	320	310,947
Legacy Traditional School Projects, 5.00%, 7/01/35 Legacy Traditional School Projects, 5.00%, 7/01/45	255	241,018
Salt Verde Financial Corp., RB, Senior, 5.00%, 12/01/37	1,650	1,809,638
Sait vetue Pilianetai Colp., Kb, Schiol, 3.00%, 12/01/37	Par	1,809,038
	1 411	
Municipal Danda	(000)	Volvo
Municipal Bonds Arizona (concluded)	(000)	Value
University Medical Center Corp., RB, 6.50%, 7/01/19 (b)	\$ 500	\$ 600,235
omversity inedical center corp., Rb, 0.50 %, 1101/17 (0)	φ 300	Ψ 000,233
		6.044.006
C. 116		6,844,326
California 4.9% California Municipal Finance Authority, RB, Urban Discovery Academy Project (a):		
	315	324,693
5.50%, 8/01/34 6.00%, 8/01/44	665	691,228
6.13%, 8/01/49	580	603,594
California School Finance Authority, RB:	360	003,394
Alliance for College Ready Public School 2023 Union LLC Project, Series A, 6.40%, 7/01/48	1,570	1,776,800
Value Schools, 6.65%, 7/01/33	435	482,119
Value Schools, 6.90%, 7/01/43	975	1,092,673
California Statewide Communities Development Authority, Refunding RB:	7,5	1,072,073
American Baptist Homes of the West, 6.25%, 10/01/39	2,175	2,395,154
Loma Linda University Medical Center, 5.50%, 12/01/54	2,390	2,557,180
California Statewide Financing Authority, RB, Asset-Backed, Tobacco Settlement, Series B, 6.00%, 5/01/43	1,650	1,649,819
City of San Jose California Hotel Tax, RB, Convention Center Expansion & Renovation Project:	,	, ,
6.50%, 5/01/36	900	1,089,342
6.50%, 5/01/42	2,220	2,665,998
City of Stockton California Public Financing Authority, RB, Delta Water Supply Project, Series A, 6.25%,		, , ,
10/01/40	375	448,271
County of Riverside California Transportation Commission, RB, Senior Lien, Series A, 5.75%, 6/01/48	2,885	3,257,857
Golden State Tobacco Securitization Corp., Refunding RB, Asset-Backed, Senior, Series A-1, 5.75%,		
6/01/47	5,020	4,268,054

BLACKROCK MUNIASSETS FUND, INC.

JULY 31, 2015

4

BlackRock MuniAssets Fund, Inc. (MUA)

	Par		
Municipal Bonds	(000)	Value	
California (concluded)	(000)	Value	
Tobacco Securitization Authority of Southern California, Refunding RB, Tobacco Settlement, Asset-Backed,			
Senior Series A-1, 4.75%, 6/01/25	\$ 1,490	\$ 1,479,853	
		24,782,635	
Colorado 1.7%			
Castle Oaks Metropolitan District No. 3, GO, 6.25%, 12/01/44	500	493,330	
Foothills Metropolitan District, Special Assessment Bonds, 6.00%, 12/01/38	5,985	6,307,771	
Regional Transportation District, RB, Denver Transit Partners Eagle P3 Project, 6.00%, 1/15/34	1,500	1,695,075	
		8,496,176	
Connecticut 1.0%		., ,	
Mohegan Tribal Finance Authority, RB, 7.00%, 2/01/45	755	683,509	
Mohegan Tribe of Indians of Connecticut, RB, Series A, 6.75%, 2/01/45 (a)	1,420	1,414,590	
Mohegan Tribe of Indians of Connecticut, Refunding RB, Public Improvement, Priority Distribution, 6.25%,	-,	-,,	
1/01/31	2,755	2,754,642	
		4,852,741	
Delaware 0.2%		1,002,711	
County of Sussex Delaware, RB, NRG Energy, Inc., Indian River Power LLC Project, 6.00%, 10/01/40 District of Columbia 0.4%	1,000	1,138,410	
District of Columbia Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, 6.50%, 5/15/33 Florida 10.1%	1,755	2,113,564	
Boggy Creek Improvement District, Refunding RB, Special Assessment Bonds, 5.13%, 5/01/43	1,570	1,615,891	
Capital Trust Agency, Inc., RB:	1,570	1,013,891	
1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/44	515	512,590	
1st Mortgage, Silver Creek St. Augustine 1 roject, 6.23%, 1701744	Par	312,370	
	1 41		
Municipal Bonds	(000)	Value	
Municipal Bonds Florida (continued)	(000)	Value	
•	(000)	Value	
Florida (continued)	(000) \$ 1,105	Value \$ 1,100,016	
Florida (continued) Capital Trust Agency, Inc., RB (concluded):			
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49	\$ 1,105	\$ 1,100,016	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a)	\$ 1,105 355	\$ 1,100,016 321,037	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A:	\$ 1,105 355 670	\$ 1,100,016 321,037 605,988	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35	\$ 1,105 355 670 2,510	\$ 1,100,016 321,037 605,988	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40	\$ 1,105 355 670 2,510	\$ 1,100,016 321,037 605,988 2,958,261	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48	\$ 1,105 355 670 2,510	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%,	\$ 1,105 355 670 2,510 1,460 2,000 1,460	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33	\$ 1,105 355 670 2,510 1,460 2,000	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A:	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34 6.13%, 6/15/44	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835 3,220	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126 3,244,891	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34 6.13%, 6/15/44 Greeneway Improvement District, RB, Special Assessment Bonds, 5.13%, 5/01/43	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835 3,220 1,970	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126 3,244,891 2,027,583	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34 6.13%, 6/15/44 Greeneway Improvement District, RB, Special Assessment Bonds, 5.13%, 5/01/43 Harbor Bay Community Development District Florida, Special Assessment Bonds, Series A, 7.00%, 5/01/33	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835 3,220 1,970 410	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126 3,244,891 2,027,583 411,333	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34 6.13%, 6/15/44 Greeneway Improvement District, RB, Special Assessment Bonds, 5.13%, 5/01/43 Harbor Bay Community Development District Florida, Special Assessment Bonds, Series A, 7.00%, 5/01/33 Jacksonville Economic Development Commission, RB, Gerdau Ameristeel U.S. Inc., AMT, 5.30%, 5/01/37	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835 3,220 1,970	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126 3,244,891 2,027,583	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34 6.13%, 6/15/44 Greeneway Improvement District, RB, Special Assessment Bonds, 5.13%, 5/01/43 Harbor Bay Community Development District Florida, Special Assessment Bonds, Series A, 7.00%, 5/01/33	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835 3,220 1,970 410	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126 3,244,891 2,027,583 411,333	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34 6.13%, 6/15/44 Greeneway Improvement District, RB, Special Assessment Bonds, 5.13%, 5/01/43 Harbor Bay Community Development District Florida, Special Assessment Bonds, Series A, 7.00%, 5/01/33 Jacksonville Economic Development Commission, RB, Gerdau Ameristeel U.S. Inc., AMT, 5.30%, 5/01/37 Jacksonville Economic Development Commission, Refunding RB, Florida Proton Therapy Institute, Series	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835 3,220 1,970 410 4,500	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126 3,244,891 2,027,583 411,333 4,503,600	
Florida (continued) Capital Trust Agency, Inc., RB (concluded): 1st Mortgage, Silver Creek St. Augustine Project, 8.25%, 1/01/49 Faulk Senior Services, 6.75%, 12/01/44 Faulk Senior Services, 6.75%, 12/01/49 County of Collier Florida IDA, Refunding RB, Arlington of Naples Project, Series A, 8.13%, 5/15/44 (a) County of Miami-Dade Florida IDA, RB, Series A: 5.00%, 6/01/35 5.00%, 6/01/40 5.00%, 6/01/48 County of Palm Beach Florida Health Facilities Authority, RB, Acts Retirement Life Community, 5.50%, 11/15/33 Florida Development Finance Corp., RB, Renaissance Charter School, Series A: 5.75%, 6/15/29 6.00%, 6/15/34 6.13%, 6/15/44 Greeneway Improvement District, RB, Special Assessment Bonds, 5.13%, 5/01/43 Harbor Bay Community Development District Florida, Special Assessment Bonds, Series A, 7.00%, 5/01/33 Jacksonville Economic Development Commission, RB, Gerdau Ameristeel U.S. Inc., AMT, 5.30%, 5/01/37 Jacksonville Economic Development Commission, Refunding RB, Florida Proton Therapy Institute, Series A, 6.00%, 9/01/17	\$ 1,105 355 670 2,510 1,460 2,000 1,460 3,500 690 835 3,220 1,970 410 4,500	\$ 1,100,016 321,037 605,988 2,958,261 1,483,725 2,015,320 1,459,898 3,813,950 698,066 848,126 3,244,891 2,027,583 411,333 4,503,600	

BLACKROCK MUNIASSETS FUND, INC.

2

BlackRock MuniAssets Fund, Inc. (MUA)

	Par		
Municipal Bonds	(000)	Value	
Florida (concluded)	(111)		
Midtown Miami Community Development District, Refunding, Special Assessment Bonds:			
Series A, 5.00%, 5/01/37	\$ 845	\$ 884,149	
Series B, 5.00%, 5/01/37	495	517,933	
Palm Beach County Health Facilities Authority, Refunding RB, Series A, 7.25%, 6/01/34	500	567,480	
Santa Rosa Bay Bridge Authority, RB, 6.25%, 7/01/28 (c)(d)	4,458	1,827,912	
Tampa Palms Open Space and Transportation Community Development District, RB, Capital Improvement,			
Richmond Place Project, 7.50%, 5/01/18	835	836,019	
Tolomato Community Development District, Refunding, Special Assessment Bonds:	270	102.200	
Convertible CAB, Series A2, 0.00%, 5/01/39 (e)	250	183,388	
Convertible CAB, Series A3, 0.00%, 5/01/40 (e)	585	349,742	
Convertible CAB, Series A4, 0.00%, 5/01/40 (e)	305	135,008	
Series 2, 0.00%, 5/01/40 (e)	805 910	419,646 922,376	
Series A1, 6.65%, 5/01/40 Tolomato Community Development District:	910	922,370	
Series 1, 0.00%, 5/01/40 (e)	1,305	804,363	
Series 1, 6.65%, 5/01/40 (c) (d)	50	50,987	
Series 3, 6.61%, 5/01/40 (c)(d)	875	9	
Series 3, 6.65%, 5/01/40 (c)(d)	710	7	
Village Community Development District No. 9, Special Assessment Bonds:	710	,	
6.75%, 5/01/31	1,660	2,029,616	
7.00%, 5/01/41	2,735	3,360,084	
5.50%, 5/01/42	1,260	1,440,369	
	1,200	1, 110,505	
Georgia 1.9%		50,554,243	
City of Atlanta Georgia, Tax Allocation Bonds, Princeton Lakes Project, 5.50%, 1/01/31	1,035	1,039,233	
County of Clayton Georgia, Tax Allocation Bonds, Ellenwood Project, 7.50%, 7/01/33	2,615	2,717,613	
County of Clayton Georgia, Tax Anocation Bonds, Enchwood Project, 7.50%, 7701755	Par	2,717,013	
W. C. In. I	(000)	3 7. 1	
Municipal Bonds	(000)	Value	
Georgia (concluded) County of Clayton Georgia Development Authority, Refunding RB, Delta Air Lines, Inc. Project, Series A,			
8.75%, 6/01/29	\$ 3,365	\$ 4,146,555	
County of Gainesville & Hall Georgia Development Authority, Refunding RB, Acts Retirement Life	\$ 5,505	\$ 4,140,333	
Community, Series A-2:			
6.38%, 11/15/29	700	791.063	
6.63%, 11/15/39	880	995,130	
	000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		0.690.504	
Guam 1.3%		9,689,594	
Guam Government Waterworks Authority, RB, Water & Wastewater System:			
5.25%, 7/01/33	1,450	1,617,721	
5.50%, 7/01/43	2,415	2,730,351	
Territory of Guam, GO, Series A:	2,413	2,730,331	
6.00%, 11/15/19	615	671,857	
7.00%, 11/15/39	1,115	1,308,430	
7.00%, 11113/07	1,113	1,300,130	
Illinois 4.9%		6,328,359	
City of Chicago Illinois, GO, Series A, 5.50%, 1/01/39	3,600	3,498,300	
City of Chicago Illinois Board of Education, GO, Series A, 5.25%, 12/01/41	3,450	3,498,300	
Illinois Finance Authority, Refunding RB:	3,430	3,014,000	
CAB, Clare Water Tower, Series B, 0.00%, 5/15/50 (c)(d)(f)	1,214	12	

Clare Water Tower, Series A-7, 6.13%, 5/15/41 (c)(d)	3,129	31	
Friendship Village of Schaumburg, 7.25%, 2/15/45	4,000	4,276,040	
Lutheran Home & Services Obligated Group, 5.63%, 5/15/42	2,395	2,510,607	
Primary Health Care Centers Program, 6.60%, 7/01/24	1,085	1,094,244	
Rogers Park Montessori School Project, Series 2014, 6.00%, 2/01/34	365	377,509	
Rogers Park Montessori School Project, Series 2014, 6.13%, 2/01/45	860	880,287	

BLACKROCK MUNIASSETS FUND, INC.

JULY 31, 2015

8

BlackRock MuniAssets Fund, Inc. (MUA)

	Par	
Municipal Bonds	(000)	Value
Illinois (concluded)	(000)	,
Illinois Finance Authority, Refunding RB (concluded):		
Roosevelt University Project, 6.50%, 4/01/44	\$ 4,170	\$ 4,462,108
Railsplitter Tobacco Settlement Authority, RB:		
5.50%, 6/01/23	180	207,913
6.00%, 6/01/28	710	835,606
Village of Lincolnshire Illinois, Special Tax Bonds, Sedgebrook Project, 6.25%, 3/01/34	1,794	1,819,529
Village of Wheeling Illinois, Tax Allocation Bonds, North Milwaukee/Lake-Cook TIF Project, 6.00%,		
1/01/25	1,345	1,345,444
		24,322,516
Indiana 1.1%		
City of Valparaiso Indiana, RB, Exempt Facilities, Pratt Paper LLC Project, AMT:		
6.75%, 1/01/34	825	993,597
7.00%, 1/01/44	2,000	2,421,940
Indiana Finance Authority, RB, Private Activity Bond, Ohio River Bridges East End Crossing Project, Series A, AMT:		
5.00%, 7/01/44	470	489,618
5.00%, 7/01/48	1,555	1,611,166
		5,516,321
Iowa 3.4%		
Iowa Finance Authority, Refunding RB:		
Midwestern Disaster Area, Iowa Fertilizer Co. Project, 5.50%, 12/01/22	4,090	4,327,466
Midwestern Disaster Area, Iowa Fertilizer Co. Project, 5.25%, 12/01/25	2,190	2,379,501
Sunrise Retirement Community Project, 5.50%, 9/01/37	1,355	1,367,574
Sunrise Retirement Community Project, 5.75%, 9/01/43	2,115	2,159,859
Iowa Tobacco Settlement Authority, Refunding RB:		
Asset-Backed, CAB, Series B, 5.60%, 6/01/34	1,200	1,126,860
Asset-Backed, Series C, 5.63%, 6/01/46	1,565	1,364,868
	Par	
Municipal Bonds	(000)	Value
Iowa (concluded)		
Iowa Tobacco Settlement Authority, Refunding RB (concluded):		
Series C, 5.38%, 6/01/38	\$ 4,900	\$ 4,211,991
		16,938,119
Kentucky 0.9%		
Kentucky Public Transportation Infrastructure Authority, RB, Downtown Crossing, First Tier, Series A,		
5.75%, 7/01/49	4,000	4,471,560
Louisiana 3.0%		
Juban Crossing Economic Development District, Refunding RB, General Infrastructure Project, Series C,		
7.00%, 9/15/44 (a)	1,055	1,064,495
Louisiana Local Government Environmental Facilities & Community Development Authority, RB, Westlake	7 000	5.504.650
Chemical Corp. Project, 6.75%, 11/01/32	5,000	5,504,650
Louisiana Public Facilities Authority, RB, Belle Chasse Educational Foundation Project, 6.75%, 5/01/41	1,855	2,064,226
Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, Series A, 5.25%, 5/15/35	5,570	6,153,680
		14,787,051
Maine 0.7%		
Maine Health & Higher Educational Facilities Authority, RB, Maine General Medical Center, 6.75%,		
7/01/41	2,955	3,347,660
Maryland 2.1%		

County of Frederick Maryland, RB, Jefferson Technology Park Project, Series B, 7.13%, 7/01/43	2,840	3,184,861	
Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 6/01/35	3,615	3,948,737	

4 BLACKROCK MUNIASSETS FUND, INC.

BlackRock MuniAssets Fund, Inc. (MUA)

(Percentages shown are based on Net Assets)

Par

	Par	
Municipal Bonds	(000)	Value
Maryland (concluded)		
Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 9/01/25	\$ 3,085	\$ 3,255,909
		10,389,507
Massachusetts 2.9%		
Massachusetts Development Finance Agency, RB:		
Boston Medical Center, Series D, 4.00%, 7/01/45	3,235	3,125,269
Boston Medical Center, Series D, 5.00%, 7/01/44	5,905	6,240,522
Foxborough Regional Charter School, Series A, 7.00%, 7/01/42	1,025	1,148,830
North Hill Communities Issue, Series A, 6.50%, 11/15/43 (a)	2,020	2,180,691
Massachusetts Development Finance Agency, Refunding RB, Tufts Medical Center, Series I, 6.75%, 1/01/36	1,490	1,742,212
		14,437,524
Michigan 0.9%		
City of Detroit Michigan, GO, Financial Recovery (e)(g):		
Series B-1, 4.00%, 4/01/44	315	187,302
Series B-2, 4.00%, 4/01/44	100	60,351
City of Detroit Michigan Sewage Disposal System, Refunding RB, Senior Lien, Series A, 5.25%, 7/01/39	2,785	2,970,899
Michigan Finance Authority, RB, Detroit Water & Sewage Disposal System, Senior Lien, Series 2014 C-2, AMT, 5.00%, 7/01/44	415	425,960
Michigan Finance Authority, Refunding RB, Detroit Water & Sewage Department Project, Senior Lien, Series C-1, 5.00%, 7/01/44	920	953,129
		4,597,641
Minnesota 0.6% City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series A, 6.75%, 11/15/32	1 705	2.055.740
City of Millineapons Millinesota, Kerunding RB, Fairview Health Services, Series A, 0.75%, 11/13/52	1,785 Par	2,055,749
	rar	
Municipal Bonds	(000)	Value
Minnesota (concluded)		
Woodbury Housing & Redevelopment Authority, RB, St. Therese of Woodbury, 5.13%, 12/01/44	\$ 940	\$ 946,345
		3,002,094
Missouri 1.0%		
Kirkwood IDA Missouri, RB, Aberdeen Heights, Series A, 8.25%, 5/15/39	2,315	2,633,752
Lees Summit Industrial Development Authority, RB, John Knox Obligated Group, 5.25%, 8/15/39	2,235	2,278,449
		4,912,201
New Jersey 4.0%		
Casino Reinvestment Development Authority, Refunding RB, 5.25%, 11/01/39 New Jersey EDA, RB:	1,065	1,111,700
Kapkowski Road Landfill Project, Series B, AMT, 6.50%, 4/01/31	2,250	2,686,995
Private Activity Bond, The Goethals Bridge Replacement Project, AMT, 5.38%, 1/01/43	2,155	2,308,263
Team Academy Charter School Project, 6.00%, 10/01/43	1,530	1,714,135
New Jersey EDA, Refunding RB, Series A, 6.00%, 8/01/49 (a)	500	511,340
New Jersey Health Care Facilities Financing Authority, Refunding RB:	1.020	1 022 022
St. Barnabas Health Care System, 4.25%, 7/01/44	1,030	1,033,008
St. Barnabas Health Care System, Series A, 5.63%, 7/01/37	2,650	2,965,032
St. Joseph s Healthcare System, 6.63%, 7/01/38	4,090	4,555,524

BlackRock MuniAssets Fund, Inc. (MUA)

(Percentages shown are based on Net Assets)

New Jersey (concluded)		Par	
New Jersey (concluded)	Municipal Bonds	(000)	Value
New Mexico 0.6% 20,029,336 New Mexico 0.6% New Mexico Hospital Equipment Loan Council, Refunding RB, Gerald Champion Regional Medical Center Project, A.50%, 7001/42 2,970 2,997,710	New Jersey (concluded)	, ,	
New Mexico 0.6%	Tobacco Settlement Financing Corp., New Jersey, Refunding RB, Series 1A, 5.00%, 6/01/29	\$ 3,735	\$ 3,143,339
New Mexico Hospital Equipment Loan Council, Refunding RB, Gerald Champion Regional Medical Center Project, 5.50%, 70142 2,997,110	Non-Marian 0.00		20,029,336
Project, 5.50%, 701/42 2,970 2,997,710 2,997,7			
New York 10.9% City of New York New York Industrial Development Agency, ARB, AMT:		2.070	2 007 710
City of New York New York Industrial Development Agency, ARB, AMT: American Airlines, Inc., JFK International Airport, 8,00%, 8/01/28 (g)	\mathbf{J}	2,970	2,997,710
American Airlines, Inc., JFK International Airport, 8.00%, 8/01/28 (g) 1,765 1,889,715 ### ### ### ### ### ### ### ### ### #			
British Airways PLC Project, 7.63%, 12/01/32 City of New York New York Industrial Development Agency, RB, Special Needs Facilities Pooled Program, Series C. 1: 5.50%, 7/01/24 6.10 6.11,147 6.53%, 7/01/29 6.53%, 7/01/29 6.001/29 6.001/29 6.001/20 6.001/	• • •	1 765	1 889 715
City of New York New York Industrial Development Agency, RB, Special Needs Facilities Pooled Program, Series C-1: 5.0598, 7/01/24	1		
Series C-1:		.,150	1,152,071
5.50%, 7/01/24 610 611,147 61.00 1,102,178 1,102,178 1,102,1	Series C-1:		
1,100	6.50%, 7/01/24	610	611,147
Counties of New York Tobacco Trust IV, Refunding RB, Settlement Pass-Through Turbo, Series A, 6.25%, 50/10/14 (a) 5,500 5,529,600 County of Chautauqua New York Industrial Development Agency, RB, NRG Dunkirk Power Project, 5,88%, 4/01/42 3,695 4,089,072 County of Dutchess New York Industrial Development Agency, Refunding RB, Bard College Civic Facility, 5,000 4,882,200 County of Westchester New York Healthcare Corp., RB, Senior Lien, Series A, 5,00%, 11/01/44 1,375 1,498,076 County of Westchester New York Local Development Corp., Refunding RB, Kendal On Hudson Project, 1,000 1,060,300 1,000%, 10/10/34 1,000 1,060,300 1,000%, 10/10/34 1,000 1,060,300 1,000%, 10/10/34 1,000 1,060,300 1,000%, 10/10/34 1,000 1,000,300 1,000%, 10/10/34 1,000 1,000,300 1,000%, 10/10/34 1,000 1,000,300 1,000%, 10/10/34 1,000 1,000,300 1,000%, 10/10/34 1,000 1,000,300 1,000%, 10/10/34 1,000 1,000,300 1,000%, 10/10/34 1,000 1,000,300 1,000%, 10/10/34 1,000 1,000,300 1,000 1,000,300 1,000,300 1,000,300 1,00	6.63%, 7/01/29		,
County of Chautauqua New York Industrial Development Agency, RB, NRG Dunkirk Power Project, 5.88%, 4/01/42 3,695 4,089,072 County of Dutchess New York Industrial Development Agency, Refunding RB, Bard College Civic Facility, 5,000 4,882,200 County of Westchester New York Healthcare Corp., RB, Senior Lien, Series A, 5.00%, 11/01/44 1,375 1,498,076 County of Westchester New York Local Development Corp., Refunding RB, Kendal On Hudson Project, 5,00%, 11/01/34 1,000 1,060,300	Counties of New York Tobacco Trust IV, Refunding RB, Settlement Pass-Through Turbo, Series A, 6.25%,		
3,695 4,089,072	6/01/41 (a)	5,400	5,529,600
County of Dutchess New York Industrial Development Agency, Refunding RB, Bard College Civic Facility, 5.00%, 8/01/46 5.000 4.882,200 County of Westchester New York Healthcare Corp., RB, Senior Lien, Series A, 5.00%, 11/01/44 1,375 1,498,076 County of Westchester New York Local Development Corp., Refunding RB, Kendal On Hudson Project, 5.00%, 1/01/34 1,000 1,060,300 3,007,030 Par	County of Chautauqua New York Industrial Development Agency, RB, NRG Dunkirk Power Project,		
5.00%, 8/01/46 County of Westchester New York Healthcare Corp., RB, Senior Lien, Series A, 5.00%, 11/01/44 County of Westchester New York Local Development Corp., Refunding RB, Kendal On Hudson Project, 1,000 1.060,300 1.060,300 1.060,300 1.07,030 Par Municipal Bonds (000) Value Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28 8 2,000 \$ 2,349,300 New York (concluded) Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28 8 2,000 \$ 2,349,300 New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365, 1,852,068 Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) 1,335 1,365,198 Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 Fig. Sol. Sol. Sol. Sol. Sol. Sol. Sol. Sol	5.88%, 4/01/42	3,695	4,089,072
County of Westchester New York Healthcare Corp., RB, Senior Lien, Series A, 5.00%, 11/01/44 1,375 1,498,076 County of Westchester New York Local Development Corp., Refunding RB, Kendal On Hudson Project, 5.00%, 1/01/34 Erie Tobacco Asset Securitization Corp., Refunding RB, Asset-Backed, Series A, 5.00%, 6/01/45 Refunding RB, Asset-Backed, Series A, 5.00%, 6/01/45 New York (concluded) Municipal Bonds New York (concluded) Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28 S 2,000 S 2,349,300 New York Liberty Development Corp., Refunding RB: And Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 S World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) S World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) S World Trade Center Project, Class 2, 5.38%, 11/15/44 (a) S World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Class 6, 6.00%, 12/01/36 Project, Series 8, 6.00%, 12/01/36 Project	County of Dutchess New York Industrial Development Agency, Refunding RB, Bard College Civic Facility,		
County of Westchester New York Local Development Corp., Refunding RB, Kendal On Hudson Project, 5.00%, 1/01/34 Erie Tobacco Asset Securitization Corp., Refunding RB, Asset-Backed, Series A, 5.00%, 6/01/45 Brie Tobacco Asset Securitization Corp., Refunding RB, Asset-Backed, Series A, 5.00%, 6/01/45 Municipal Bonds Municipal Bonds Metropolitian Transportation Authority, RB, Series C, 6.50%, 11/15/28 S 2,000 S 2,349,300 New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 4 Singara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) 5 Project, Series 8, 6.00%, 12/01/36 Control Control Corp., Refunding RB, Series 1, 5.00%, 6/01/34 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	5.00%, 8/01/46	5,000	4,882,200
1,000		1,375	1,498,076
Municipal Bonds (000) Value			
Municipal Bonds (000) Value New York (concluded) Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28 \$2,000 \$2,349,300 New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 1,270 1,431,963 8 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 6,670 6,709,420 8 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 455 470,929 8 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 1,080 1,134,281 8 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/101/42 (a) 1,335 1,365,198 Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 1SASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512		,	, ,
Municipal Bonds (000) Value New York (concluded) Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28 \$ 2,000 \$ 2,349,300 New York Liberty Development Corp., Refunding RB: Dead Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 1,270 1,431,963 Norld Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 6,670 6,709,420 Norld Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 455 470,929 Norld Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/10/142 (a) 1,335 1,365,198 Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 PSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	Erie Tobacco Asset Securitization Corp., Refunding RB, Asset-Backed, Series A, 5.00%, 6/01/45	,	3,007,030
New York (concluded) Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28 \$ 2,000 \$ 2,349,300 New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 1,270 1,431,963 8 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 6,670 6,709,420 8 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 455 470,929 8 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 1,080 1,134,281 8 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) 1,335 1,365,198 Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 PSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512 50,289,597 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:		Par	
Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28 \$ 2,000 \$ 2,349,300 New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 1,270 1,431,963 8 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 6,670 6,709,420 8 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 455 470,929 8 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 1,080 1,134,281 8 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,355 1,365,198 9 Wor	Municipal Bonds	(000)	Value
New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 1,270 1,431,963 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 6,670 6,709,420 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 6,670 6,709,420 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 6,670 6,709,420 6,670 6,709,420 6,670 6,709,420 6,670 6,709,420 6,670 6,709,420 6,670 6,709,420 6,670 6,709,420 6,670 6,709,420 6,670 6,709,420 6,709,4			
2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 1,270 1,431,963 8 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 8 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 8 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 8 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 8 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 8 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 9 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) 1,335 1,365,198 Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 1,340 1,350 1,300 1	Metropolitan Transportation Authority, RB, Series C, 6.50%, 11/15/28	\$ 2,000	\$ 2349300
8 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 6,670 6,709,420 8 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 455 470,929 8 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 1,080 1,134,281 8 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) 1,335 1,365,198 Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 17 SASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512 50,289,597 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:			Ψ 2,519,500
World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 455 470,929 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 1,080 1,134,281 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) 1,565 1,852,068 Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) 1,335 1,365,198 Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 TSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512 50,289,597 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	, , , , , ,		
1,080 1,134,281 1,080 1,134,281 1,080 1,134,281 1,565 1,852,068 1,852,068 1,852,068 1,852,068 1,852,068 1,355 1,852,068 1,355 1,365,198 1,335 1,365,198 1,335 1,365,198 1,340 1,559,666 1,340 1,559,666 1,340 1,559,666 1,340 1,355 1,026,868 1,365,19	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49	1,270	1,431,963
World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 I ,340 I ,559,666 I ,340 I ,559,666 I ,340 I ,559,666 I ,340 I ,559,666 I ,340 I ,355 I ,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 North Carolina I .6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a)	1,270 6,670	1,431,963 6,709,420
Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 1SASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a)	1,270 6,670 455	1,431,963 6,709,420 470,929
Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 I ,340 I ,559,666 I ,340 I ,559,666 I ,340 I ,355 I ,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 North Carolina I .6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a)	1,270 6,670 455 1,080	1,431,963 6,709,420 470,929 1,134,281
Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 ISASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 1,340 1,559,666 1,340 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 50,289,597 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Nigograp Area Development Corp. Perfunding PB. Solid Waste Disposal Facility. Covents Energy Project	1,270 6,670 455 1,080	1,431,963 6,709,420 470,929 1,134,281
Project, Series 8, 6.00%, 12/01/36 1,340 1,559,666 FSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 1,135 1,026,868 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512 Solution 1.6% North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project,	1,270 6,670 455 1,080 1,565	1,431,963 6,709,420 470,929 1,134,281 1,852,068
TSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 1,135 1,026,868 4,800 4,528,512 So,289,597 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a)	1,270 6,670 455 1,080 1,565	1,431,963 6,709,420 470,929 1,134,281 1,852,068
Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 4,800 4,528,512 50,289,597 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC	1,270 6,670 455 1,080 1,565	1,431,963 6,709,420 470,929 1,134,281 1,852,068
North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36	1,270 6,670 455 1,080 1,565 1,335	1,431,963 6,709,420 470,929 1,134,281 1,852,068 1,365,198 1,559,666
North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 TSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34	1,270 6,670 455 1,080 1,565 1,335 1,340 1,135	1,431,963 6,709,420 470,929 1,134,281 1,852,068 1,365,198 1,559,666 1,026,868
	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 TSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34	1,270 6,670 455 1,080 1,565 1,335 1,340 1,135	1,431,963 6,709,420 470,929 1,134,281 1,852,068 1,365,198 1,559,666 1,026,868 4,528,512
Deerfield Project, 6.13%, 11/01/38 4,565 5,001,870	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 TSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 North Carolina 1.6%	1,270 6,670 455 1,080 1,565 1,335 1,340 1,135	1,431,963 6,709,420 470,929 1,134,281 1,852,068 1,365,198 1,559,666 1,026,868 4,528,512
	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 TSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A:	1,270 6,670 455 1,080 1,565 1,335 1,340 1,135 4,800	1,431,963 6,709,420 470,929 1,134,281 1,852,068 1,365,198 1,559,666 1,026,868 4,528,512 50,289,597
Retirement Facilities Whitestone Project, 7.75%, 3/01/31 1,000 1,147,940	2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 7/15/49 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 (a) 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 (a) 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 (a) 3 World Trade Center Project, Class 3, 7.25%, 11/15/44 (a) Niagara Area Development Corp., Refunding RB, Solid Waste Disposal Facility, Covanta Energy Project, Series A, AMT, 5.25%, 11/01/42 (a) Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8, 6.00%, 12/01/36 TSASC, Inc., Refunding RB, Series 1, 5.00%, 6/01/34 Westchester Tobacco Asset Securitization, Refunding RB, 5.13%, 6/01/45 North Carolina 1.6% North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A: Deerfield Project, 6.13%, 11/01/38	1,270 6,670 455 1,080 1,565 1,335 1,340 1,135 4,800	1,431,963 6,709,420 470,929 1,134,281 1,852,068 1,365,198 1,559,666 1,026,868 4,528,512 50,289,597

BLACKROCK MUNIASSETS FUND, INC.

BlackRock MuniAssets Fund, Inc. (MUA)

	Par	
Municipal Bonds	(000)	Value
North Carolina (concluded)	(000)	value
North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Series A (concluded):		
Retirement Facilities Whitestone Project, 7.75%, 3/01/41	\$ 1,420	\$ 1,627,448
		7,777,258
North Dakota 0.1%		462.004
City of Williston North Dakota, RB, Eagle Crest Apartments LLC Project, 7.75%, 9/01/38 Ohio 1.7%	445	463,904
Buckeye Tobacco Settlement Financing Authority, RB, Asset-Backed Bonds, Series A-2:		
5.75%, 6/01/34	6,745	5,356,811
6.00%, 6/01/42	3,040	2,445,832
State of Ohio, RB, Portsmouth Bypass Project, AMT, 5.00%, 6/30/53	845	891,619
		8,694,262
Oklahoma 0.6%		
Oklahoma Development Finance Authority, Refunding RB, Inverness Village Community, 6.00%, 1/01/32	1,305	1,367,797
Tulsa Airports Improvement Trust, Refunding RB, American Airlines Inc., AMT, 5.00%, 6/01/35 (g)	1,340	1,448,888
		2.016.607
Oregon 0.4%		2,816,685
Hospital Facilities Authority of Multnomah County Oregon, Refunding RB, Mirabella at South Waterfront,		
5.50%, 10/01/49	1,765	1,925,350
Pennsylvania 4.3%	,	,
Allentown Neighborhood Improvement Zone Development Authority, Refunding RB, Series A, 5.00%,		
5/01/42	4,170	4,316,951
City of Philadelphia Pennsylvania Hospitals & Higher Education Facilities Authority, RB, Temple	2 000	2.102.260
University Health System, Series A, 5.63%, 7/01/36	2,000 Par	2,103,260
	rai	
Municipal Ronds	(000)	Value
Municipal Bonds Pennsylvania (concluded)	(000)	Value
Municipal Bonds Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran:	(000)	Value
Pennsylvania (concluded)	\$ 5,550	Value \$ 6,522,859
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39	` ′	
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A,	\$ 5,550 615	\$ 6,522,859 707,158
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26	\$ 5,550	\$ 6,522,859
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church	\$ 5,550 615 1,160	\$ 6,522,859 707,158 1,208,198
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26	\$ 5,550 615	\$ 6,522,859 707,158
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32	\$ 5,550 615 1,160 1,800	\$ 6,522,859 707,158 1,208,198 1,860,480
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32	\$ 5,550 615 1,160 1,800	\$ 6,522,859 707,158 1,208,198 1,860,480
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT,	\$ 5,550 615 1,160 1,800 2,110	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44	\$ 5,550 615 1,160 1,800 2,110	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4%	\$ 5,550 615 1,160 1,800 2,110 2,710	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d)	\$ 5,550 615 1,160 1,800 2,110	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d) Tobacco Settlement Financing Corp., Refunding RB:	\$ 5,550 615 1,160 1,800 2,110 2,710	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d)	\$ 5,550 615 1,160 1,800 2,110 2,710 4,190	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383 1,002,099
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d) Tobacco Settlement Financing Corp., Refunding RB: Series A, 5.00%, 6/01/40	\$ 5,550 615 1,160 1,800 2,110 2,710	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d) Tobacco Settlement Financing Corp., Refunding RB: Series A, 5.00%, 6/01/40	\$ 5,550 615 1,160 1,800 2,110 2,710 4,190	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383 1,002,099 4,957,034
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d) Tobacco Settlement Financing Corp., Refunding RB: Series A, 5.00%, 6/01/40	\$ 5,550 615 1,160 1,800 2,110 2,710 4,190	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383 1,002,099
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d) Tobacco Settlement Financing Corp., Refunding RB: Series A, 5.00%, 6/01/40 Series B, 4.50%, 6/01/45 Texas 10.6% Brazos River Authority, Refunding RB, Texas Utility Co., Series A, AMT, 7.70%, 4/01/33 (c)(d)	\$ 5,550 615 1,160 1,800 2,110 2,710 4,190	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383 1,002,099 4,957,034
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d) Tobacco Settlement Financing Corp., Refunding RB: Series A, 5.00%, 6/01/40 Series B, 4.50%, 6/01/45 Texas 10.6% Brazos River Authority, Refunding RB, Texas Utility Co., Series A, AMT, 7.70%, 4/01/33 (c)(d) Central Texas Regional Mobility Authority, Refunding RB:	\$ 5,550 615 1,160 1,800 2,110 2,710 4,190 980 5,055	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383 1,002,099 4,957,034 7,000,516 304,800
Pennsylvania (concluded) County of Cumberland Pennsylvania Municipal Authority, Refunding RB, Diakon Lutheran: 6.38%, 1/01/19 (b) 6.38%, 1/01/39 County of Lancaster Pennsylvania Hospital Authority, Refunding RB, Brethren Village Project, Series A, 6.25%, 7/01/26 County of Lehigh Pennsylvania General Purpose Authority, Refunding RB, Bible Fellowship Church Homes, 5.13%, 7/01/32 County of Northampton Pennsylvania IDA, Route 33 Project, Tax Allocation Bond, 7.00%, 7/01/32 Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypson Co., AMT, 5.50%, 11/01/44 Rhode Island 1.4% Central Falls Detention Facility Corp., Refunding RB, 7.25%, 7/15/35 (c)(d) Tobacco Settlement Financing Corp., Refunding RB: Series A, 5.00%, 6/01/40 Series B, 4.50%, 6/01/45 Texas 10.6% Brazos River Authority, Refunding RB, Texas Utility Co., Series A, AMT, 7.70%, 4/01/33 (c)(d)	\$ 5,550 615 1,160 1,800 2,110 2,710 4,190 980 5,055	\$ 6,522,859 707,158 1,208,198 1,860,480 2,284,223 2,763,089 21,766,218 1,041,383 1,002,099 4,957,034 7,000,516

CAB, 0.00%, 1/01/29 (f)	2,000	1,106,660	
CAB, 0.00%, 1/01/30 (f)	1,170	616,836	
CAB, 0.00%, 1/01/33 (f)	3,690	1,654,190	
CAB, 0.00%, 1/01/34 (f)	4,000	1,687,960	
Senior Lien, 6.25%, 1/01/46	2,210	2,544,483	
Central Texas Turnpike System, Refunding RB, Series C, 5.00%, 8/15/42	620	663,233	

BLACKROCK MUNIASSETS FUND, INC.

JULY 31, 2015

7

BlackRock MuniAssets Fund, Inc. (MUA)

	Par	
Municipal Bonds	(000)	Value
Texas (continued)	(000)	
City of Houston Texas Airport System, Refunding ARB, AMT:		
Special Facilities, Continental Airlines, Inc., Series A, 6.63%, 7/15/38	\$ 2,890	\$ 3,337,227
United Airlines, Inc. Terminal E Project, 5.00%, 7/01/29	910	950,559
Clifton Higher Education Finance Corp., ERB, Idea Public Schools:		,
5.50%, 8/15/31	955	1,053,222
5.75%, 8/15/41	720	803,333
County of Bexar Texas Health Facilities Development Corp., RB, Army Retirement Residence Project,		,
6.20%, 7/01/45	5,040	5,661,684
County of Harris Texas Cultural Education Facilities Finance Corp., RB, 1st Mortgage, Brazos Presbyterian	-,-	.,,
Homes, Inc. Project, Series B, 7.00%, 1/01/48	475	558,586
County of Matagorda Texas Navigation District No. 1, Refunding RB, Central Power & Light Co., Project,		000,000
Series A, 6.30%, 11/01/29	2,090	2,372,714
County of Tarrant Texas Cultural Education Facilities Finance Corp., RB, Series A:	2,370	-,-,-,11
CC Young Memorial Home, 8.00%, 2/15/38	1,745	1,970,279
Senior Living Center Project, 8.25%, 11/15/44	4,200	4,185,342
County of Tarrant Texas Cultural Education Facilities Finance Corp., Refunding RB, Trinity Terrace Project,	7,200	7,103,372
5.00%, 10/01/49	865	903,129
County of Travis Texas Health Facilities Development Corp., Refunding RB, 7.13%, 1/01/46	3,080	3,316,729
La Vernia Higher Education Finance Corp., RB, Kipp, Inc., Series A, 6.38%, 8/15/19 (b)	860	1,030,159
	810	
Mesquite Health Facility Development Corp., Refunding RB, 5.13%, 2/15/42 New Hope Cultural Education Facilities Corp., RB, Stephenville LLC Tarleton State University Project:	810	824,839
	1.010	1 255 067
5.88%, 4/01/36	1,210	1,355,067
6.00%, 4/01/45	1,845	2,076,086
6.00%, 4/01/45	1,845 Par	2,076,086
6.00%, 4/01/45 Municipal Bonds		2,076,086 Value
Municipal Bonds Texas (concluded)	Par	Value
Municipal Bonds	Par	
Municipal Bonds Texas (concluded)	(000)	Value
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47	(000) \$ 1,600	Value \$ 1,702,720
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35	(000) \$ 1,600	Value \$ 1,702,720
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41	(000) \$ 1,600 240	Value \$ 1,702,720 262,613
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41	Par (000) \$ 1,600 240 2,895	Value \$ 1,702,720 262,613 2,697,185
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien:	Par (000) \$ 1,600 240 2,895	Value \$ 1,702,720 262,613 2,697,185
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40	Par (000) \$ 1,600 240 2,895 900	Value \$ 1,702,720 262,613 2,697,185 918,819
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien:	Par (000) \$ 1,600 240 2,895 900 3,775	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40	Par (000) \$ 1,600 240 2,895 900 3,775	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39	Par (000) \$ 1,600 240 2,895 900 3,775	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6%	Par (000) \$ 1,600 240 2,895 900 3,775 3,000	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43	Par (000) \$ 1,600 240 2,895 900 3,775	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2%	Par (000) \$ 1,600 240 2,895 900 3,775 3,000	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33	Par (000) \$ 1,600 240 2,895 900 3,775 3,000	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33 Virginia 3.1%	Par (000) \$ 1,600 240 2,895 900 3,775 3,000 2,950 770	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220 802,802
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33 Virginia 3.1% County of Fairfax Virginia EDA, Refunding RB, Goodwin House, Inc., 5.13%, 10/01/42	Par (000) \$ 1,600 240 2,895 900 3,775 3,000	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33 Virginia 3.1% County of Fairfax Virginia EDA, Refunding RB, Goodwin House, Inc., 5.13%, 10/01/42 Lower Magnolia Green Community Development Authority, Special Assessment Bonds (a):	Par (000) \$ 1,600 240 2,895 900 3,775 3,000 2,950 770 2,500	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220 802,802 2,598,250
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33 Virginia 3.1% County of Fairfax Virginia EDA, Refunding RB, Goodwin House, Inc., 5.13%, 10/01/42 Lower Magnolia Green Community Development Authority, Special Assessment Bonds (a): 5.00%, 3/01/35	Par (000) \$ 1,600 240 2,895 900 3,775 3,000 2,950 770 2,500 510	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220 802,802 2,598,250 504,329
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33 Virginia 3.1% County of Fairfax Virginia EDA, Refunding RB, Goodwin House, Inc., 5.13%, 10/01/42 Lower Magnolia Green Community Development Authority, Special Assessment Bonds (a): 5.00%, 3/01/35 5.00%, 3/01/45	Par (000) \$ 1,600 240 2,895 900 3,775 3,000 2,950 770 2,500	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220 802,802 2,598,250
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33 Virginia 3.1% County of Fairfax Virginia EDA, Refunding RB, Goodwin House, Inc., 5.13%, 10/01/42 Lower Magnolia Green Community Development Authority, Special Assessment Bonds (a): 5.00%, 3/01/35 5.00%, 3/01/45 Mosaic District Community Development Authority, Special Assessment, Series A:	Par (000) \$ 1,600 240 2,895 900 3,775 3,000 2,950 770 2,500 510 520	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220 802,802 2,598,250 504,329 505,123
Municipal Bonds Texas (concluded) North Texas Education Finance Corp., ERB, Uplift Education, Series A, 5.25%, 12/01/47 North Texas Tollway Authority, Refunding RB, Series A, 5.00%, 1/01/35 Red River Health Facilities Development Corp., First MRB, Project: Eden Home, Inc., 7.25%, 12/15/42 Wichita Falls Retirement Foundation, 5.13%, 1/01/41 Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: LBJ Infrastructure Group LLC, LBJ Freeway Managed Lanes Project, 7.00%, 6/30/40 NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 Utah 0.6% State of Utah Charter School Finance Authority, Refunding RB, 6.75%, 10/15/43 Vermont 0.2% Vermont EDA, Refunding, MRB, Wake Robin Corp. Project, 5.40%, 5/01/33 Virginia 3.1% County of Fairfax Virginia EDA, Refunding RB, Goodwin House, Inc., 5.13%, 10/01/42 Lower Magnolia Green Community Development Authority, Special Assessment Bonds (a): 5.00%, 3/01/35 5.00%, 3/01/45	Par (000) \$ 1,600 240 2,895 900 3,775 3,000 2,950 770 2,500 510	Value \$ 1,702,720 262,613 2,697,185 918,819 4,499,385 3,515,370 53,153,599 3,102,220 802,802 2,598,250 504,329

BlackRock MuniAssets Fund, Inc. (MUA)

	Par		
Municipal Bonds	(000)	Value	
Virginia (concluded)			
Virginia College Building Authority, RB, Marymount University Project, Series B, 5.00%, 7/01/45			
	\$ 535	\$ 524,396	
Virginia College Building Authority, Refunding RB, Marymount University Project, Series A:	120	120 (01	
Series A, 5.00%, 7/01/35	130	130,601	
5.00%, 7/01/45 Virginia Small Proinces Financing Authority, RP, Senior Lies, Elizabeth Bivor Cressings Op.Co.	375	367,567	
Virginia Small Business Financing Authority, RB, Senior Lien, Elizabeth River Crossings OpCo LLC Project, AMT, 6.00%, 1/01/37	6,805	7,772,263	
		15,573,717	
Washington 0.6%			
County of King Washington Public Hospital District No. 4, GO, Refunding, Snoqualmie Valley Hospital, 7.00%, 12/01/40	1,455	1,588,918	
Greater Wenatchee Regional Events Center Public Facilities District, Refunding RB, Series A,	1,155	1,500,510	
5.50%, 9/01/42	1,495	1,560,347	
		3,149,265	
Wisconsin 0.3%			
Wisconsin Health & Educational Facilities Authority, Refunding RB, St. Johns Communities, Inc., Series A:			
7.25%, 9/15/29	425	491,836	
7.63%, 9/15/39	855	997,819	
		221,022	
		1,489,655	
Total Municipal Bonds 87.8%		438,998,876	
Municipal Bonds Transferred to			
Tender Option Bond Trusts (h) Colorado 2.5%			
Colorado Health Facilities Authority, Refunding RB, Sisters of Leavenworth Health System, Series			
A, 5.00%, 1/01/40 Municipal Bonds Transferred to	11,475 Par	12,432,245	
Tender Option Bond Trusts (h) Florida 3.3%	(000)	Value	
County of Miami-Dade Florida, Refunding RB, Miami International Airport, Series A, AMT			
(AGC), 5.25%, 10/01/33	\$ 15,000	\$ 16,465,200	
Illinois 4.1%			
City of Chicago Illinois, GARB, O Hare International Airport, 3rd Lien, Series A (NPFGC), 5.00%,			
1/01/33 (i)	6,510	6,613,249	
Illinois Finance Authority, RB, The Carle Foundation, Series A (AGM), 6.00%, 8/15/41	7,180	8,452,655	
State of Illinois Toll Highway Authority, RB, Senior Series A, 5.00%, 1/01/40	5,056	5,601,545	
		20,667,449	
New York 13.6%		, , .	
City of New York New York Housing Development Corp., RB, M/F Housing, Series D-1, Class B, 4.25%, 11/01/45	8,996	9,093,360	
City of New York New York Municipal Water Finance Authority, Refunding RB, Water & Sewer System, 2nd General Resolution:	-,	,,	
Fiscal 2013, Series CC, 5.00%, 6/15/47	14,181	15,694,743	
Series HH, 5.00%, 6/15/31 (i)	8,609	9,853,585	
Hudson Yards Infrastructure Corp., RB, Fiscal 2012, Series A, 5.75%, 2/15/47 (i)			
Trade in Taras initias ractare Corp., TrB, Tisear 2012, Series 11, 5175 76, 2/15/17 (1)	4,520	5,146,413	
New York Liberty Development Corp., RB, 1 World Trade Center Port Authority Consolidated			

New York Liberty Development Corp., Refunding RB, 4 World Trade Center Project, 5.75%,		
11/15/51 (i)	6,600	7,608,348
		68,186,964
Washington 1.8%		
City of Bellingham Washington, RB, Water & Sewer, 5.00%, 8/01/40	7,966	8,815,489
Total Municipal Bonds Transferred to		
Tender Option Bond Trusts 25.3%		126,567,347
Total Long-Term Investments		
(Cost \$537,005,558) 113.1%		565,566,223

BLACKROCK MUNIASSETS FUND, INC.

BlackRock MuniAssets Fund, Inc. (MUA)

(Percentages shown are based on Net Assets)

Short-Term Securities	Shares	Value
FFI Institutional Tax-Exempt Fund, 0.02% (j)(k)	1,450,835	\$ 1,450,835
Total Short-Term Securities		
(Cost \$1,450,835) 0.3%		1,450,835
		Value
Total Investments		
(Cost \$538,456,393*) 113.4%		\$ 567,017,058
Other Assets Less Liabilities 0.7%		3,645,149
Liability for TOB Trust Certificates, Including Interest		
Expense and Fees Payable (14.1)%		(70,459,183)
Net Assets Applicable to Common Shares 100.0%		\$ 500,203,024

^{*} As of July 31, 2015, gross unrealized appreciation and depreciation based on cost for federal income tax purposes were as follows:

Tax cost	\$ 467,704,221
Gross unrealized appreciation	\$ 46,022,080
Gross unrealized depreciation	(17,141,532)
Net unrealized appreciation	\$ 28,880,548

Notes to Schedule of Investments

- (a) 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.
- (b) 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.
- (c) Non-income producing security.
- (d) Issuer filed for bankruptcy and/or is in default of interest payments.
- (e) Represents a step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate shown is as of report date.
- (f) Zero-coupon bond.
- (g) Variable rate security. Rate shown is as of report date.

- (h) 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.
- (i) All or a portion of security is subject to a recourse agreement, which may require the Fund to pay the liquidity provider in the event there is a shortfall between the TOB Trust Certificates and proceeds received from the sale of the security contributed to the TOB Trust. In the case of a shortfall, the aggregate maximum potential amount the Fund could ultimately be required to pay under the agreement, which expire from February 15, 2019 to December 1, 2033, is 16,357,042.
- (j) During the period ended July 31, 2015, investments in issuers considered to be an affiliate 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 April 30,	Net	Shares Held	
			at July 31,	
Affiliate	2015	Activity	2015	Income
FFI Institutional Tax-Exempt Fund	961,095	489,740	1,450,835	\$ 201

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

Portfolio Abbreviations

AGC Assured Guarantee Corp.

AGM Assured Guaranty Municipal Corp.
AMT Alternative Minimum Tax (subject to)

ARB Airport Revenue Bonds
CAB Capital Appreciation Bonds
EDA Economic Development Authority

10 BLACKROCK MUNIASSETS FUND, INC.

BlackRock MuniAssets Fund, Inc. (MUA)

EDC Economic Development Corp.
ERB Education Revenue Bonds
GARB General Airport Revenue Bonds
GO General Obligation Bonds
IDA Industrial Development Authority

M/F Multi-Family

MRB Mortgage Revenue Bonds

NPFGC National Public Finance Guarantee Corp.

RB Revenue Bonds

Financial Futures Contracts

Notional Unrealized

Contracts Short	Issue	Exchange	Expiration	Value Depreciation
(197)	10-Year U.S. Treasury Note	Chicago Board of Trade	September 2015	\$ 25,105,188 \$ (51,116)

Fair Value Hierarchy as of July 31, 2015

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 the 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 annual report.

As of July 31, 2015, 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 ¹		\$ 565,566,223		\$ 565,566,223
Short-Term Securities	\$ 1,450,835			1,450,835
Total	\$ 1,450,835	\$ 565,566,223		\$ 567,017,058

 $^{^{1}}$ See above Schedule of Investments for values in each state or political sub-division.

 ${\tt BLACKROCK\ MUNIASSETS\ FUND,\ INC.}$

JULY 31, 2015

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BlackRock MuniAssets Fund, Inc. (MUA)

	Level 1	Level 2	Level 3	,	Total
Derivative Financial Instruments ²					
Liabilities:					
Interest rate contracts	\$ (51,116)			\$	(51,116)

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

The Fund may hold assets and/or liabilities in which the fair value approximates the carrying amount for financial reporting purposes. As of July 31, 2015, such assets and/or liabilities are categorized within the disclosure hierarchy as follows:

	Level 1	Level 2	Level 3	Total
Assets:				
Cash pledged for financial futures contracts	\$ 265,950			\$ 265,950
Liabilities:				
TOB Trust Certificates		\$ (70,432,289)		(70,432,289)
Total	\$ 265,950	\$ (70,432,289)		\$ (70,166,339)

During the period ended July 31, 2015, there were no transfers between levels.

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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 MuniAssets Fund, Inc.

By: /s/ John M. Perlowski

John M. Perlowski

Chief Executive Officer (principal executive officer) of

BlackRock MuniAssets Fund, Inc.

Date: September 22, 2015

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 MuniAssets Fund, Inc.

Date: September 22, 2015

By: /s/ Neal J. Andrews

Neal J. Andrews

Chief Financial Officer (principal financial officer) of

BlackRock MuniAssets Fund, Inc.

Date: September 22, 2015