

BLACKROCK MUNIASSETS FUND, INC.

Form NSAR-A

December 23, 2011

PAGE 1  
000 A000000 10/31/2011  
000 C000000 0000901243  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
001 A000000 BLACKROCK MUNIASSETS FUND, INC.  
001 B000000 811-07642  
001 C000000 8004417762  
002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
002 C000000 DE  
002 D010000 19809  
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008 A000001 BLACKROCK ADVISORS, LLC  
008 B000001 A  
008 C000001 801-47710  
008 D010001 WILMINGTON  
008 D020001 DE  
008 D030001 19809  
008 A000002 BLACKROCK INVESTMENT MANAGEMENT, LLC  
008 B000002 S  
008 C000002 801-56972  
008 D010002 PRINCETON  
008 D020002 NJ  
008 D030002 08540  
012 A000001 BNY MELLON SHAREOWNER SERVICES  
012 B000001 85-05006  
012 C010001 JERSEY CITY  
012 C020001 NJ  
012 C030001 07310  
013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 BOSTON  
013 B020001 MA  
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014 A000001 BLACKROCK CAPITAL MARKETS, LLC  
014 B000001 8-67827  
014 A000002 BLACKROCK EXECUTION SERVICES  
014 B000002 8-48719  
014 A000003 BLACKROCK FUND DISTRIBUTION COMPANY  
014 B000003 8-67795  
014 A000004 BLACKROCK INVESTMENTS, LLC  
PAGE 2  
014 B000004 8-48436  
014 A000005 HARRIS WILLIAMS LLC  
014 B000005 8-53380  
014 A000006 PNC CAPITAL MARKETS, INC.  
014 B000006 8-32493  
014 A000007 PNC INVESTMENTS LLC

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014 B000007 8-66195  
015 A000001 THE BANK OF NEW YORK MELLON  
015 B000001 C  
015 C010001 NEW YORK  
015 C020001 NY  
015 C030001 10286  
015 E010001 X  
015 A000002 J.P. MORGAN CHASE BANK  
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015 C010002 NEW YORK  
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015 C030002 10017  
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020 A000001 UBS SECURITIES LLC  
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022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND  
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022 A000002 J.P. MORGAN SECURITIES INC.  
022 B000002 13-3299429  
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022 A000003 BANK OF AMERICA CORP  
022 B000003 56-0906609  
022 C000003 7443  
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022 A000004 MORGAN KEEGAN & COMPANY, INC.  
022 B000004 64-0474907  
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022 A000005 FIDELITY BROKERAGE SERVICES LLC  
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022 A000006 BARCLAYS CAPITAL INC.  
022 B000006 13-3299429  
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022 A000007 CITIGROUP GLOBAL MARKETS, INC.  
022 B000007 11-2418191  
022 C000007 0  
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022 A000008 US BANCORP INVESTMENTS INC.  
022 C000008 0  
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022 A000009 WILLIAM BLAIR & COMPANY, L.L.C.  
022 B000009 36-2241610  
022 C000009 4088  
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022 A000010 PIPER JAFFRAY & CO  
022 B000010 41-0953246  
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PAGE 6

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SIGNATURE	NEAL J. ANDREWS	
TITLE	CFO	