

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
003 000000 N
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008 A000001 BLACKROCK ADVISORS, LLC
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008 A000002 BLACKROCK INVESTMENT MANAGEMENT, LLC
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008 C000002 801-56972
008 D010002 PRINCETON
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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
013 B030001 02116
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
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015 C010001 NEW YORK
015 C020001 NY
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022 B000001 22-2509978
022 C000001 44847
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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
022 C000004 9661
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022 A000005 FIDELITY BROKERAGE SERVICES LLC
022 B000005 04-3523349
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022 A000006 BARCLAYS CAPITAL INC.
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022 A000007 CITIGROUP GLOBAL MARKETS, INC.
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022 C000007 0
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022 A000008 US BANCORP INVESTMENTS INC.
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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
022 C000010 1455
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SIGNATURE	NEAL J. ANDREWS	
TITLE	CFO	