

BLACKROCK MUNIVEST FUND INC

Form NSAR-A/A

April 29, 2011

PAGE 1
000 A000000 02/28/2011
000 C000000 0000835948
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 Y
000 H000000 N
000 I000000 6.1
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001 A000000 BLACKROCK MUNIVEST FUND, INC.
001 B000000 811-05611
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002 A000000 100 BELLEVUE PARKWAY
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002 C000000 DE
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007 C010700 7
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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 PLAINSBORO
008 D020002 NJ
008 D030002 08536
012 A000001 BNY MELLON SHAREOWNER SERVICES (COMMON)
012 B000001 85-05006
012 C010001 JERSEY CITY
012 C020001 NJ
012 C030001 07310
012 A000002 THE BANK OF NEW YORK MELLON (PREFERRED)
012 B000002 85-05006
PAGE 2
012 C010002 NEW YORK
012 C020002 NY
012 C030002 10286
013 A000001 DELOITTE & TOUCHE LLP
013 B010001 PRINCETON
013 B020001 NJ

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013 B030001 08540
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
014 B000004 8-48436
014 A000005 HARRIS WILLIAMS LLC
014 B000005 8-53380
014 A000006 PNC CAPITAL MARKETS, INC.
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014 A000007 PNC INVESTMENTS LLC
014 B000007 8-66195
015 A000001 THE BANK OF NEW YORK MELLON
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015 C010001 NEW YORK
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015 A000002 J.P. MORGAN CHASE BANK
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020 A000001 UBS SECURITIES LLC
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022 B000001 22-2509978
022 C000001 75892
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022 A000002 CITIGROUP GLOBAL MARKETS, INC.
022 B000002 11-2418191
022 C000002 16379
022 D000002 28634
022 A000003 J.P. MORGAN SECURITIES INC.
022 B000003 13-3299429
022 C000003 21965
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022 A000004 BARCLAYS CAPITAL INC.
022 C000004 15412
022 D000004 1391

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022 A000005 GOLDMAN, SACHS & CO.
 022 B000005 13-5108880
 022 C000005 3533
 022 D000005 6649
 022 A000006 WELLS FARGO ADVISORS, LLC
 022 B000006 54-0796506
 022 C000006 3092
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 022 A000007 MORGAN STANLEY & CO. INCORPORATED
 022 B000007 13-2655998
 022 C000007 5825
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 022 A000008 MERCHANTS BANK, NA
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 022 A000009 JEFFERIES & COMPANY, INC.
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 022 A000010 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
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087 A010000 COMMON STOCK
087 A020000 09253R105
087 A030000 MVF
087 B010000 PREFERRED STOCK
088 A000000 N
088 B000000 N
088 C000000 N
088 D000000 Y
SIGNATURE NEAL J. ANDREWS
TITLE CFO