

BLACKROCK MUNIVEST FUND INC

Form NSAR-B/A

June 22, 2007

PAGE 1
000 B000000 08/31/2006
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 811-5611
001 C000000 6092822800
002 A000000 P.O. BOX 9011
002 B000000 PRINCETON
002 C000000 NJ
002 D010000 08543
002 D020000 9011
003 000000 N
004 000000 N
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006 000000 N
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007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
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 PLAINSBORO
008 D020002 NJ
008 D030002 08536
011 A000001 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
011 B000001 8-7221
011 C010001 NEW YORK
011 C020001 NY
011 C030001 10281
011 C040001 1201
PAGE 2
012 A000001 THE BANK OF NEW YORK (COMMON)
012 B000001 85-05006
012 C010001 NEW YORK
012 C020001 NY
012 C030001 10286
012 A000002 THE BANK OF NEW YORK (PREFERRED)

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012 B000002 85-05006
012 C010002 NEW YORK
012 C020002 NY
012 C030002 10286
013 A000001 DELOITTE & TOUCHE LLP
013 B010001 PRINCETON
013 B020001 NJ
013 B030001 08540
014 A000001 MLPF&S AND OTHER ML BROKER/DEALER AFFILIATES
014 B000001 8-7221
014 A000002 BLACKROCK INVESTMENTS, INC.
014 B000002 8-048436
014 A000003 NORTHERN FUNDS DISTRIBUTORS, LLC
014 B000003 8-051242
014 A000004 PNC CAPITAL MARKETS, LLC
014 B000004 8-032493
014 A000005 J.J.B. HILLIARD W.L. LYONS, INC.
014 B000005 8-033133
014 A000006 PFPC DISTRIBUTORS, INC.
014 B000006 8-045467
014 A000007 MGI FUNDS DISTRIBUTORS, INC.
014 B000007 8-046960
014 A000008 ABN AMRO DISTRIBUTION SERVICES, INC.
014 B000008 8-052396
014 A000009 BLACKROCK DISTRIBUTORS, INC.
014 B000009 8-048775
014 A000010 PERSIMMON SECURITIES, INC.
014 B000010 8-053071
014 A000011 PNC INVESTMENTS LLC
014 B000011 8-066195
014 A000012 STATE STREET RESEARCH INVEST SERV, INC.
014 B000012 8-035442
015 A000001 THE BANK OF NEW YORK
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015 C030001 10286
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015 A000002 BANKERS TRUST COMPANY
015 B000002 S
015 C010002 NEW YORK
015 C020002 NY
015 C030002 10006
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015 A000003 J.P. MORGAN CHASE BANK
PAGE 3
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015 A000004 CUSTODIAL TRUST CO.
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015 A000005 MORGAN GUARANTY TRUST CO. OF NEW YORK
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015 C020005 NY
015 C030005 10260

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 022 B000001 11-2418191
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 022 D000001 97170
 022 A000002 BR INSTITUTIONAL TAX EXEMPT FUND
 022 B000002 22-2509978
 022 C000002 143200
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 022 A000003 J.P. MORGAN SECURITIES INC.
 022 B000003 13-3224016
 022 C000003 115603
 022 D000003 146548
 022 A000004 GOLDMAN, SACHS & CO.
 022 B000004 13-5108880
 022 C000004 92014
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 022 A000005 MORGAN STANLEY
 PAGE 4
 022 B000005 13-2655998
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 022 A000006 UBS FINANCIAL SERVICES INC.
 022 B000006 13-2638166
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 022 D000006 68932
 022 A000007 BEAR, STEARNS & CO. INC.
 022 B000007 13-3299429
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 022 A000008 WACHOVIA SECURITIES
 022 C000008 36545
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 022 A000009 LEHMAN BROTHERS INC.
 022 B000009 13-2518466
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 022 A000010 RBC DAIN RAUSCHER INC.
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 022 D000010 15009
 023 C000000 914836
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PAGE 6

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087	B010000	PREFERRED STOCK
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	DONALD C. BURKE	
TITLE	TREASURER	