

BLACKROCK MUNIVEST FUND INC

Form NSAR-A

April 27, 2007

PAGE 1
000 A000000 02/28/2007
000 C000000 0000835948
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 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
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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 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
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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
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014 A000012 STATE STREET RESEARCH INVEST SERV, INC.
014 B000012 8-035442
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PAGE 3
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015 A000005 MORGAN GUARANTY TRUST CO. OF NEW YORK
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 022 B000002 11-2418191
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 022 A000003 BEAR, STEARNS & CO. INC.
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 022 A000004 J.P. MORGAN SECURITIES INC.
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 022 A000005 WACHOVIA SECURITIES, LLC
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 PAGE 4
 022 D000005 18875
 022 A000006 GOLDMAN, SACHS & CO.
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 022 A000007 FIRST ALBANY CAPITAL INC.
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 022 A000008 LEHMAN BROTHERS INC.
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087	A030000	MVF
087	B010000	PREFERRED STOCK
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088	C000000	N
088	D000000	Y
SIGNATURE	DONALD C. BURKE	
TITLE	TREASURER	