

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-A

April 28, 2011

PAGE 1
000 A000000 02/28/2011
000 C000000 1045126
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 MUNIHOLDINGS INVEST. QUALITY FUND
001 B000000 811-08349
001 C000000 8004417762
002 A000000 100 BELLEVUE PARKWAY
002 B000000 WILMINGTON
002 C000000 DE
002 D010000 19809
003 000000 N
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007 C010700 7
007 C010800 8
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008 A000001 BLACKROCK ADVISORS, LLC
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008 D010001 WILMINGTON
008 D020001 DE
008 D030001 19809
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
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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 C000001 81419
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 022 A000002 APEX SECURITIES, INC.
 022 C000002 8305
 022 D000002 35594
 022 A000003 STIFEL, NICOLAUS & COPMANY, INCORPORATED
 022 B000003 43-0538770
 022 C000003 11513
 022 D000003 16414
 022 A000004 MORGAN STANLEY & CO. INCORPORATED
 022 B000004 13-2655998
 022 C000004 20563
 022 D000004 0

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022 A000005 CITIGROUP GLOBAL MARKETS, INC.
 022 B000005 11-2418191
 022 C000005 19516
 022 D000005 425
 022 A000006 SIEBERT, BRANDFORD, SHANK & CO., L.L.C.
 022 C000006 10628
 022 D000006 7186
 022 A000007 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
 022 B000007 13-5674085
 022 C000007 7387
 022 D000007 9544
 022 A000008 J.P. MORGAN SECURITIES INC.
 022 B000008 13-3299429
 022 C000008 16280
 022 D000008 0
 022 A000009 RBC CAPITAL MARKETS CORPORATION
 022 B000009 13-5033225
 022 C000009 1301
 022 D000009 11167
 022 A000010 SECUREVEST FINANCIAL GROUP
 022 C000010 4256
 022 D000010 5594
 023 C000000 213120
 023 D000000 208037
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086 F010000	0
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087 A010000 COMMON STOCK
087 A020000 09254P108
087 A030000 MFL
087 B010000 PREFERRED STOCK
088 A000000 N
088 B000000 N
088 C000000 N
088 D000000 Y
SIGNATURE NEAL J. ANDREWS
TITLE CFO