

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-A

April 24, 2014

PAGE 1
000 A000000 02/28/2014
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
004 000000 N
005 000000 N
006 000000 N
007 A000000 N
007 B000000 0
007 C010100 1
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 PRINCETON
008 D020002 NJ
008 D030002 08540
012 A000001 COMPUTERSHARE TRUST COMPANY, N.A. (COMMON)
012 B000001 85-11340
012 C010001 CANTON
012 C020001 MA
012 C030001 02021
012 A000002 THE BANK OF NEW YORK MELLON (PREFERRED)
012 B000002 85-05006
012 C010002 NEW YORK
012 C020002 NY
012 C030002 10289
013 A000001 DELOITTE & TOUCHE LLP
013 B010001 BOSTON
013 B020001 MA
013 B030001 02116
014 A000001 BLACKROCK EXECUTION SERVICES
014 B000001 8-48719
PAGE 2
014 A000002 BLACKROCK INVESTMENTS, LLC
014 B000002 8-48436
014 A000003 HARRIS WILLIAMS LLC
014 B000003 8-53380
014 A000004 PNC CAPITAL MARKETS, INC.
014 B000004 8-32493

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014 A000005 PNC INVESTMENTS LLC
014 B000005 8-66195
015 A000001 THE BANK OF NEW YORK MELLON
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY
015 C030001 10286
015 E010001 X
015 A000002 J.P. MORGAN CHASE BANK
015 B000002 S
015 C010002 NEW YORK
015 C020002 NY
015 C030002 10017
015 E010002 X
018 000000 Y
019 A000000 Y
019 B000000 284
019 C000000 BLKPKADVSR
020 A000001 BANK OF AMERICA CORP
020 B000001 56-0906609
020 C000001 3
021 000000 3
022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND
022 B000001 22-2509978
022 C000001 105753
022 D000001 128035
022 A000002 JEFFERIES & COMPANY, INC.
022 B000002 95-2622990
022 C000002 21197
022 D000002 19442
022 A000003 STIFEL NICOLAUS & COMPANY INCORPORATED
022 B000003 43-0538770
022 C000003 16678
022 D000003 21781
022 A000004 GUGGENHEIM CAPITAL, LLC
022 C000004 0
022 D000004 34922
022 A000005 RAYMOND JAMES & ASSOCIATES, INC.
022 B000005 59-1237041
022 C000005 20761
022 D000005 7258
022 A000006 BANK OF AMERICA CORP
022 B000006 56-0906609
022 C000006 14906
022 D000006 12137
PAGE 3
022 A000007 BARCLAYS CAPITAL INC.
022 B000007 06-1031656
022 C000007 4004
022 D000007 19177
022 A000008 MORGAN STANLEY
022 B000008 36-3145972
022 C000008 20338
022 D000008 1633
022 A000009 WELLS FARGO & CO
022 B000009 41-0449260
022 C000009 8119
022 D000009 12912
022 A000010 CITIGROUP GLOBAL MARKETS INC
022 B000010 11-2418191
022 C000010 7163
022 D000010 6582

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062 F000000 0.0
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062 P000000 0.0
062 Q000000 0.0
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068 A000000 N
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069 000000 N
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070 A020000 N
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071 A000000 137119
071 B000000 157515

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071 C000000 871048
 071 D000000 16
 072 A000000 6
 072 B000000 20918
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 074 R030000 0
 074 R040000 92647

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| 086 | E010000 | 0 |
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| 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 | |