

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-B

October 31, 2011

PAGE 1  
000 B000000 08/31/2011  
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  
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 BNY MELLON SHAREOWNER SERVICES (COMMON)  
012 B000001 85-05006  
012 C010001 JERSEY CITY  
012 C020001 NJ  
012 C030001 07310  
012 A000002 BNY MELLON SHAREOWNER SERVICES (PREFERRED)  
012 B000002 85-05006  
012 C010002 NEW YORK  
012 C020002 NY  
012 C030002 10289  
012 A000003 THE BANK OF NEW YORK MELLON FOR VRDP  
012 B000003 85-05006  
012 C010003 NEW YORK  
012 C020003 NY  
012 C030003 10289  
013 A000001 DELOITTE & TOUCHE LLP  
PAGE 2  
013 B010001 BOSTON  
013 B020001 MA  
013 B030001 02116  
014 A000001 BLACKROCK CAPITAL MARKETS, LLC  
014 B000001 8-67827  
014 A000002 BLACKROCK EXECUTION SERVICES

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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.  
014 B000006 8-32493  
014 A000007 PNC INVESTMENTS LLC  
014 B000007 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 294  
019 C000000 BLKRRKADVSR  
020 A000001 UBS SECURITIES LLC  
020 B000001 13-3873456  
020 C000001 3  
020 A000002 JANNEY MONTGOMERY SCOTT LLC  
020 B000002 23-0731260  
020 C000002 0  
021 000000 3  
022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND  
022 B000001 22-2509978  
022 C000001 193757  
022 D000001 203931  
022 A000002 JEFFERIES & COMPANY, INC.  
022 B000002 95-2622990  
022 C000002 44496  
022 D000002 31679  
022 A000003 APEX PRYOR SECURITIES INC  
022 C000003 14235  
022 D000003 45443  
PAGE 3  
022 A000004 STIFEL, NICOLAUS & COMPANY, INCORPORATED  
022 B000004 43-0538770  
022 C000004 34115  
022 D000004 18874  
022 A000005 MORGAN STANLEY & CO INC  
022 B000005 13-2655998  
022 C000005 37617  
022 D000005 7955  
022 A000006 CITIGROUP GLOBAL MARKETS INC  
022 B000006 11-2418191  
022 C000006 37195  
022 D000006 1639  
022 A000007 SIEBERT, BRANDFORD, SHANK & CO., L.L.C.  
022 C000007 12470  
022 D000007 8168  
022 A000008 BANK OF AMERICA CORP

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|     |         |                                 |  |
|-----|---------|---------------------------------|--|
| 022 | B000008 | 56-0906609                      |  |
| 022 | C000008 | 7242                            |  |
| 022 | D000008 | 12852                           |  |
| 022 | A000009 | RBC CAPITAL MARKETS CORPORATION |  |
| 022 | B000009 | 13-5033225                      |  |
| 022 | C000009 | 3808                            |  |
| 022 | D000009 | 12775                           |  |
| 022 | A000010 | J.P. MORGAN SECURITIES INC      |  |
| 022 | B000010 | 13-3299429                      |  |
| 022 | C000010 | 16256                           |  |
| 022 | D000010 | 0                               |  |
| 023 | C000000 | 442528                          |  |
| 023 | D000000 | 435522                          |  |
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| 026 | D000000 | Y                               |  |
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| 026 | F000000 | N                               |  |
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| 028 | C020000 | 0                               |  |
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| 028 | D030000 | 0                               |  |
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| 028 | F040000 | 0                               |  |
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| 028 | G020000 | 0                               |  |
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| 033 | 000000  | 0                               |  |
| 035 | 000000  | 0                               |  |

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|     |         |       |
|-----|---------|-------|
| 036 | B000000 | 0     |
| 038 | 000000  | 0     |
| 042 | A000000 | 0     |
| 042 | B000000 | 0     |
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| 042 | H000000 | 0     |
| 043 | 000000  | 0     |
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| 045 | 000000  | Y     |
| 046 | 000000  | N     |
| 047 | 000000  | Y     |
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| 048 | A020000 | 0.000 |
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| 048 | D020000 | 0.000 |
| 048 | E010000 | 0     |
|     | PAGE    | 5     |
| 048 | E020000 | 0.000 |
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| 048 | G020000 | 0.000 |
| 048 | H010000 | 0     |
| 048 | H020000 | 0.000 |
| 048 | I010000 | 0     |
| 048 | I020000 | 0.000 |
| 048 | J010000 | 0     |
| 048 | J020000 | 0.000 |
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| 048 | K020000 | 0.000 |
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| 053 | B000000 | Y     |
| 053 | C000000 | N     |
| 054 | A000000 | Y     |
| 054 | B000000 | Y     |
| 054 | C000000 | N     |
| 054 | D000000 | N     |
| 054 | E000000 | N     |
| 054 | F000000 | N     |
| 054 | G000000 | N     |
| 054 | H000000 | Y     |
| 054 | I000000 | N     |
| 054 | J000000 | Y     |
| 054 | K000000 | N     |
| 054 | L000000 | N     |
| 054 | M000000 | Y     |
| 054 | N000000 | N     |
| 055 | A000000 | N     |
| 055 | B000000 | N     |

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|     |         |   |       |
|-----|---------|---|-------|
| 056 | 000000  | Y |       |
| 057 | 000000  | N |       |
| 058 | A000000 | N |       |
| 059 | 000000  | Y |       |
| 060 | A000000 | N |       |
| 060 | B000000 | N |       |
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| 062 | H000000 |   | 0.0   |
|     | PAGE    | 6 |       |
| 062 | I000000 |   | 0.0   |
| 062 | J000000 |   | 0.0   |
| 062 | K000000 |   | 0.0   |
| 062 | L000000 |   | 4.2   |
| 062 | M000000 |   | 0.0   |
| 062 | N000000 |   | 0.0   |
| 062 | O000000 |   | 159.3 |
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| 062 | R000000 |   | 0.0   |
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| 063 | B000000 |   | 22.7  |
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| 064 | B000000 | N |       |
| 066 | A000000 | N |       |
| 067 | 000000  | N |       |
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| 068 | B000000 | N |       |
| 069 | 000000  | N |       |
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| 070 | A020000 | N |       |
| 070 | B010000 | N |       |
| 070 | B020000 | N |       |
| 070 | C010000 | Y |       |
| 070 | C020000 | N |       |
| 070 | D010000 | N |       |
| 070 | D020000 | N |       |
| 070 | E010000 | Y |       |
| 070 | E020000 | Y |       |
| 070 | F010000 | N |       |
| 070 | F020000 | N |       |
| 070 | G010000 | Y |       |
| 070 | G020000 | N |       |
| 070 | H010000 | N |       |
| 070 | H020000 | N |       |
| 070 | I010000 | N |       |
| 070 | I020000 | N |       |
| 070 | J010000 | N |       |
| 070 | J020000 | N |       |
| 070 | K010000 | Y |       |
| 070 | K020000 | Y |       |
| 070 | L010000 | N |       |
| 070 | L020000 | N |       |
| 070 | M010000 | N |       |
| 070 | M020000 | N |       |
| 070 | N010000 | N |       |

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|       |         |    |        |
|-------|---------|----|--------|
| 070   | N020000 | N  |        |
| 070   | O010000 | Y  |        |
| 070   | O020000 | N  |        |
| 070   | P010000 | Y  |        |
| 070   | P020000 | N  |        |
|       | PAGE    | 7  |        |
| 070   | Q010000 | N  |        |
| 070   | Q020000 | N  |        |
| 070   | R010000 | N  |        |
| 070   | R020000 | N  |        |
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| 071   | B000000 |    | 241937 |
| 071   | C000000 |    | 756788 |
| 071   | D000000 | 32 |        |
| 072   | A000000 | 12 |        |
| 072   | B000000 |    | 42330  |
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| 072   | D000000 |    | 0      |
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| 072   | F000000 |    | 4692   |
| 072   | G000000 |    | 119    |
| 072   | H000000 |    | 0      |
| 072   | I000000 |    | 72     |
| 072   | J000000 |    | 38     |
| 072   | K000000 |    | 0      |
| 072   | L000000 |    | 38     |
| 072   | M000000 |    | 65     |
| 072   | N000000 |    | 13     |
| 072   | O000000 |    | 0      |
| 072   | P000000 |    | 813    |
| 072   | Q000000 |    | 0      |
| 072   | R000000 |    | 50     |
| 072   | S000000 |    | 225    |
| 072   | T000000 |    | 0      |
| 072   | U000000 |    | 0      |
| 072   | V000000 |    | 0      |
| 072   | W000000 |    | 865    |
| 072   | X000000 |    | 6990   |
| 072   | Y000000 |    | 396    |
| 072   | Z000000 |    | 35772  |
| 072AA | 000000  |    | 0      |
| 072BB | 000000  |    | 14392  |
| 072CC | 010000  |    | 0      |
| 072CC | 020000  |    | 11925  |
| 072DD | 010000  |    | 34275  |
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| 074   | F000000 |    | 0      |
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| 074   | H000000 |    | 0      |
| 074   | I000000 |    | 22123  |
| 074   | J000000 |    | 5875   |

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|     |         |                                       |
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| 074 | K000000 | 0                                     |
| 074 | L000000 | 10827                                 |
| 074 | M000000 | 856                                   |
| 074 | N000000 | 881628                                |
| 074 | O000000 | 0                                     |
| 074 | P000000 | 381                                   |
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| 074 | R010000 | 0                                     |
| 074 | R020000 | 0                                     |
| 074 | R030000 | 0                                     |
| 074 | R040000 | 78474                                 |
| 074 | S000000 | 274600                                |
| 074 | T000000 | 528173                                |
| 074 | U010000 | 37716                                 |
| 074 | U020000 | 0                                     |
| 074 | V010000 | 14.00                                 |
| 074 | V020000 | 0.00                                  |
| 074 | W000000 | 0.0000                                |
| 074 | X000000 | 14946                                 |
| 074 | Y000000 | 296084                                |
| 075 | A000000 | 0                                     |
| 075 | B000000 | 783531                                |
| 076 | 000000  | 13.84                                 |
| 077 | A000000 | Y                                     |
| 077 | B000000 | Y                                     |
| 077 | D000000 | N                                     |
| 077 | E000000 | Y                                     |
| 077 | I000000 | Y                                     |
| 077 | O000000 | Y                                     |
| 077 | Q010000 | Y                                     |
| 078 | 000000  | N                                     |
| 080 | A000000 | FEDERAL INSURANCE COMPANY             |
| 080 | B000000 | NATIONAL UNION FIRE INSURANCE COMPANY |
| 080 | C000000 | 71150                                 |
| 081 | A000000 | Y                                     |
| 081 | B000000 | 95                                    |
| 082 | A000000 | N                                     |
| 082 | B000000 | 0                                     |
| 083 | A000000 | N                                     |
| 083 | B000000 | 0                                     |
| 084 | A000000 | N                                     |
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| 086 | A020000 | 528                                   |
| 086 | B010000 | 0                                     |
|     | PAGE    | 9                                     |
| 086 | B020000 | 0                                     |
| 086 | C010000 | 3                                     |
| 086 | C020000 | 274600                                |
| 086 | D010000 | 11                                    |
| 086 | D020000 | 274650                                |
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| 086 | E020000 | 0                                     |
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| 086 | F020000 | 0                                     |
| 087 | A010000 | COMMON STOCK                          |
| 087 | A020000 | 09254P108                             |
| 087 | A030000 | MFL                                   |
| 087 | B010000 | PREFERRED STOCK                       |
| 088 | A000000 | N                                     |

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088 B000000 N

088 C000000 N

088 D000000 Y

SIGNATURE NEAL J. ANDREWS

TITLE CFO