

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-B

October 28, 2015

PAGE 1
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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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006 000000 N
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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
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
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
PAGE 2
014 A000005 PNC INVESTMENTS LLC
014 B000005 8-66195
015 A000001 STATE STREET BANK AND TRUST COMPANY
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015 C010001 BOSTON
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015 C030001 02110
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020 A000001 BANK OF AMERICA CORP
020 B000001 56-0906609
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022 B000001 22-2509978
022 C000001 105014
022 D000001 107537
022 A000002 PERSHING LLC
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022 A000003 JEFFERIES & COMPANY INC
022 B000003 95-2622900
022 C000003 17788
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022 A000004 J P MORGAN SECURITIES INC
022 B000004 13-3299429
022 C000004 13453
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022 A000005 OPPENHEIMER + CO. INC.
022 B000005 13-2798343
022 C000005 15818
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022 A000006 BANK OF AMERICA CORP
022 B000006 56-0906609
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022 A000007 MORGAN STANLEY
022 B000007 36-3145972
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022 A000008 ROYAL BANK OF CANADA
022 B000008 13-5033225
022 C000008 8805
022 D000008 6248
022 A000009 STIFEL NICOLAUS & COMPANY INCORPORATED
022 B000009 43-0538770
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PAGE 3
022 D000009 9844
022 A000010 RAYMOND JAMES FINANCIAL INC
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 072 A000000 12
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075 B000000 585206
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080 A000000 FEDERAL INSURANCE COMPANY
080 B000000 NATIONAL UNION FIRE INS CO OF PITTSBURGH PA
080 C000000 56800
081 A000000 Y
081 B000000 76
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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