

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-B

October 28, 2016

PAGE 1  
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000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
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001 A000000 BLACKROCK MUNIHOLDINGS INVEST. QUALITY FUND  
001 B000000 811-08349  
001 C000000 8004417762  
002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
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002 D010000 19809  
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008 A000001 BLACKROCK ADVISORS, LLC  
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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  
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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  
014 A000006 SOLEBURY CAPITAL, LLC  
014 B000006 8-67548  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
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022 A000001 BLACKROCK LIQUIDITY FUNDS, MUNICASH  
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022 A000002 MORGAN STANLEY  
022 B000002 36-3145972  
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022 A000003 FFI INSTITUTIONAL TAX-EXEMPT FUND  
022 B000003 22-2509978  
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022 A000004 J.P. MORGAN SECURITIES INC.  
022 B000004 13-3299429  
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022 A000005 CITIGROUP GLOBAL MARKETS INC  
022 B000005 11-2418191  
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022 A000006 JEFFERIES & COMPANY INC  
022 B000006 95-2622900  
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022 A000007 OPPENHEIMER + CO. INC.  
022 B000007 13-2798343  
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022 A000008 BANK OF AMERICA CORP  
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022 A000009 PERSHING LLC  
PAGE 3  
022 B000009 13-2741729  
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022 A000010 BARCLAYS CAPITAL INC.  
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PAGE 7

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PAGE 8

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088 B000000 N  
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088 D000000 Y  
SIGNATURE NEAL J. ANDREWS  
TITLE CFO