

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
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008 A000001 BLACKROCK ADVISORS, LLC
008 B000001 A
008 C000001 801-47710
008 D010001 WILMINGTON
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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
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020 B000001 56-0906609
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022 B000001 22-2509978
022 C000001 105753
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022 A000002 JEFFERIES & COMPANY, INC.
022 B000002 95-2622990
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022 A000003 STIFEL NICOLAUS & COMPANY INCORPORATED
022 B000003 43-0538770
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022 A000004 GUGGENHEIM CAPITAL, LLC
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022 A000005 RAYMOND JAMES & ASSOCIATES, INC.
022 B000005 59-1237041
022 C000005 20761
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022 A000006 BANK OF AMERICA CORP
022 B000006 56-0906609
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PAGE 3
022 A000007 BARCLAYS CAPITAL INC.
022 B000007 06-1031656
022 C000007 4004
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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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087	B010000	PREFERRED STOCK
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	NEAL J. ANDREWS	
TITLE	CFO	