

BLACKROCK MUNI ENHANCED FUND INC  
Form NSAR-A  
December 29, 2010

PAGE 1  
000 A000000 10/31/2010  
000 C000000 0000844172  
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 MUNIENHANCED FUND, INC.  
001 B000000 811-05739  
001 C000000 8004417762  
002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
002 C000000 DE  
002 D010000 19809  
003 000000 N  
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007 A000000 N  
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007 C011500 15  
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007 C011800 18  
007 C011900 19  
007 C012000 20  
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  
PAGE 2  
008 D010002 PLAINSBORO  
008 D020002 NJ  
008 D030002 08536  
012 A000001 COMPUTERSHARE TRUST COMPANIES, N.A. (COMMON)  
012 B000001 85-11340  
012 C010001 PROVIDENCE

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012 C020001 RI  
012 C030001 02940  
012 A000002 THE BANK OF NEW YORK MELLON (PREFERRED)  
012 B000002 85-05006  
012 C010002 NEW YORK  
012 C020002 NY  
012 C030002 10286  
013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 PRINCETON  
013 B020001 NJ  
013 B030001 08540  
014 A000001 BLACKROCK CAPITAL MARKETS, LLC  
014 B000001 8-67827  
014 A000002 BLACKROCK EXECUTION SERVICES  
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 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
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015 A000002 J.P. MORGAN CHASE BANK  
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015 C010002 NEW YORK  
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PAGE 3  
019 B000000 279  
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020 A000001 RBS SECURITIES INC.  
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022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND  
022 B000001 22-2509978

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022 C000001 19720  
 022 D000001 20508  
 022 A000002 MORGAN STANLEY & CO. INCORPORATED  
 022 B000002 13-2655998  
 022 C000002 8770  
 022 D000002 1426  
 022 A000003 CITIGROUP GLOBAL MARKETS, INC.  
 022 B000003 11-2418191  
 022 C000003 1574  
 022 D000003 6688  
 022 A000004 MERRILL LYNCH, PIERCE, FENNER & SMITH, INC.  
 022 B000004 13-5674085  
 022 C000004 3762  
 022 D000004 1118  
 022 A000005 CABRERA CAPITAL MARKETS, LLC  
 022 B000005 01-0892965  
 022 C000005 3075  
 022 D000005 0  
 022 A000006 PERSHING LLC  
 022 B000006 13-2741729  
 022 C000006 2994  
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 022 A000007 J.P. MORGAN SECURITIES INC.  
 022 B000007 13-3299429  
 022 C000007 2962  
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 022 A000008 JANNEY MONTGOMERY SCOTT LLC  
 022 B000008 23-0731260  
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 022 A000009 FIDELITY BROKERAGE SERVICES LLC  
 022 B000009 04-3523439  
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 022 A000010 RBC CAPITAL MARKETS CORPORATION

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022 B000010 13-5033225  
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072 J000000	14
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087	A030000	MEN
087	B010000	PREFERRED STOCK
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088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	NEAL J. ANDREWS	
TITLE	CFO	