

BLACKROCK MUNI ENHANCED FUND INC  
Form NSAR-B  
June 29, 2010

PAGE 1  
000 B000000 04/30/2010  
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  
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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 COMPANY, 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 10289  
013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 PRINCETON  
013 B020001 NJ  
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014 A000001 BB & T AM DISTRIBUTORS, INC.  
014 B000001 8-52396  
014 A000002 BLACKROCK CAPITAL MARKETS, LLC  
014 B000002 8-67827  
014 A000003 BLACKROCK EXECUTION SERVICES  
014 B000003 8-48719  
014 A000004 BLACKROCK FUND DISTRIBUTION COMPANY  
014 B000004 8-67795  
014 A000005 BLACKROCK INVESTMENTS LLC  
014 B000005 8-48436  
014 A000006 FAIRHOLME DISTRIBUTORS, INC.  
014 B000006 8-68327  
014 A000007 HARRIS WILLIAMS LLC  
014 B000007 8-53380  
014 A000008 HIGHMARK FUNDS DISTRIBUTORS, INC.  
014 B000008 8-67903  
014 A000009 MGI FUNDS DISTRIBUTOR, INC.  
014 B000009 8-46960  
014 A000010 PFPC DISTRIBUTORS, INC.  
014 B000010 8-45467  
014 A000011 PNC CAPITAL MARKETS, INC.  
014 B000011 8-32493  
014 A000012 PNC INVESTMENTS LLC  
014 B000012 8-66195  
014 A000013 RED CAPITAL MARKETS, INC.  
014 B000013 8-31175  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
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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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020 A000001 RBS SECURITIES INC.  
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072 A000000 12  
 072 B000000 25784  
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080	B000000	NATIONAL UNION FIRE INSURANCE COMPANY
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087	A030000	MEN
087	B010000	PREFERRED STOCK
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
	PAGE	9
SIGNATURE	NEAL J. ANDREWS	
TITLE	CFO	