

BLACKROCK APEX MUNICIPAL FUND INC  
Form NSAR-A  
December 29, 2010

PAGE 1  
000 A000000 10/31/2010  
000 C000000 0000817998  
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 APEX MUNICIPAL FUND, INC.  
001 B000000 811-05227  
001 C000000 8004417762  
002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
002 C000000 DE  
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008 A000001 BLACKROCK ADVISORS, LLC  
008 B000001 A  
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008 D010001 WILMINGTON  
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008 A000002 BLACKROCK INVESTMENT MANAGEMENT, LLC  
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008 C000002 801-56972  
008 D010002 PLAINSBORO  
008 D020002 NJ  
008 D030002 08536  
012 A000001 BNY MELLON SHAREOWNER SERVICES  
012 B000001 85-05006  
012 C010001 JERSEY CITY  
012 C020001 NJ  
012 C030001 07310  
013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 PRINCETON  
PAGE 2  
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

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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 THE BANK OF NEW YORK MELLON  
015 B000001 C  
015 C010001 NEW YORK  
015 C020001 NY  
015 C030001 10286  
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015 A000002 J.P. MORGAN CHASE BANK  
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015 C010002 NEW YORK  
015 C020002 NY  
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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 A000002 MERRILL LYNCH, PIERCE, FENNER & SMITH, INC.  
022 B000002 13-5674085  
022 C000002 4650  
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022 D000002 637  
022 A000003 CITIGROUP GLOBAL MARKETS, INC.  
022 B000003 11-2418191  
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022 A000004 MORGAN STANLEY & CO. INCORPORATED  
022 B000004 13-2655998  
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022 A000005 PRAGER, SEALY & CO., LLC  
022 B000005 94-3057440  
022 C000005 0  
022 D000005 3634  
022 A000006 STIFEL, NICOLAUS & COMPANY, INCORPORATED  
022 B000006 43-0538770  
022 C000006 1696

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022 D000006 1229  
 022 A000007 GOLDMAN, SACHS & CO.  
 022 B000007 13-5108880  
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 022 A000008 J.P. MORGAN SECURITIES INC.  
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 022 A000009 KEYBANC CAPITAL MARKETS INC.  
 022 B000009 34-1391952  
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 022 A000010 WELLS FARGO ADVISORS, LLC  
 022 B000010 54-0796506  
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087 A010000 COMMON STOCK  
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 087 A030000 APX  
 088 A000000 N

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088 B000000 N

088 C000000 N

088 D000000 N

SIGNATURE NEAL J. ANDREWS

TITLE CFO