

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  
002 D010000 19809  
003 000000 N  
004 000000 N  
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007 A000000 N  
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007 C010100 1  
007 C010200 2  
007 C010300 3  
007 C010400 4  
007 C010500 5  
007 C010600 6  
007 C010700 7  
007 C010800 8  
007 C010900 9  
007 C011000 10  
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  
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  
 015 E010001 X  
 015 A000002 J.P. MORGAN CHASE BANK  
 015 B000002 S  
 015 C010002 NEW YORK  
 015 C020002 NY  
 015 C030002 10017  
 015 E010002 X  
 018 000000 Y  
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 019 B000000 279  
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 020 A000001 RBS SECURITIES INC.  
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 020 C000007 0  
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 020 C000010 0  
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 022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND  
 022 B000001 22-2509978  
 022 C000001 12666  
 022 D000001 12345  
 022 A000002 MERRILL LYNCH, PIERCE, FENNER & SMITH, INC.  
 022 B000002 13-5674085  
 022 C000002 4650  
 PAGE 3  
 022 D000002 637  
 022 A000003 CITIGROUP GLOBAL MARKETS, INC.  
 022 B000003 11-2418191  
 022 C000003 793  
 022 D000003 3849  
 022 A000004 MORGAN STANLEY & CO. INCORPORATED  
 022 B000004 13-2655998  
 022 C000004 1612  
 022 D000004 2314  
 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.  |
| 022 | B000008 | 13-3299429                   |
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| 022 | A000009 | KEYBANC CAPITAL MARKETS INC. |
| 022 | B000009 | 34-1391952                   |
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| 070 | B020000 | N |       |
| 070 | C010000 | Y |       |
| 070 | C020000 | N |       |
| 070 | D010000 | N |       |
| 070 | D020000 | N |       |

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PAGE 7

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PAGE 8

087 A010000 COMMON STOCK  
 087 A020000 09254H106  
 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