

BLACKROCK APEX MUNICIPAL FUND INC
Form NSAR-B
June 29, 2010

PAGE 1
000 B000000 04/30/2010
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
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007 C010700 7
007 C010800 8
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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 BB & T AM DISTRIBUTORS, INC.
014 B000001 8-52396
014 A000002 BLACKROCK CAPITAL MARKETS, LLC
014 B000002 8-67827

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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 THE BANK OF NEW YORK MELLON
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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
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020 A000001 RBS SECURITIES INC.
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020 C000007 0
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022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND
022 B000001 22-2509978
022 C000001 46746
022 D000001 46198
022 A000002 CITIGROUP GLOBAL MARKETS, INC.
022 B000002 11-2418191
022 C000002 16348
022 D000002 11113
022 A000003 B.C. ZIEGLER AND COMPANY
022 B000003 39-0727640
022 C000003 11103

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022 D000003 1967
022 A000004 D.A. DAVIDSON & CO.
022 B000004 81-0139474
022 C000004 5693
022 D000004 6926
022 A000005 PRAGER, SEALY & CO., LLC
022 B000005 94-3057440
022 C000005 301
022 D000005 9151
022 A000006 MERRILL LYNCH, PIERCE, FENNER & SMITH, INC.
022 B000006 13-5674085
022 C000006 8121
022 D000006 999
022 A000007 PIPER JAFFRAY & CO.
022 B000007 41-0953246
022 C000007 2489
022 D000007 5158
022 A000008 FMSBONDS, INC.
022 B000008 59-1842344
022 C000008 4280
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022 A000009 J.P. MORGAN SECURITIES INC.
022 B000009 13-3299429
022 C000009 5465
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022 A000010 GOLDMAN, SACHS & CO.
022 B000010 13-5108880
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072 R000000 35
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 072 V000000 0

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072 W000000 43
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078 000000 N
 080 A000000 VIGILANT INSURANCE COMPANY
 080 B000000 NATIONAL UNION FIRE INSURANCE COMPANY
 080 C000000 85000

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081	A000000	Y	
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087	A030000	APX	
088	A000000	N	
088	B000000	N	
088	C000000	N	
088	D000000	N	
SIGNATURE	NEAL J. ANDREWS		
TITLE	CFO		