#### APEX MUNICIPAL FUND INC Form N-Q November 28, 2005

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act File Number 811-5227

Name of Fund: Apex Municipal Fund, Inc.

Fund Address: P.O. Box 9011

Princeton, NJ 08543-9011

Name and address of agent for service: Robert C. Doll, Jr., Chief Executive Officer, Apex Municipal Fund, Inc., 800 Scudders Mill Road, Plainsboro, NJ 08536. Mailing address: P.O. Box 9011, Princeton, NJ 08543-9011

Registrant's telephone number, including area code: (609) 282-2800

Date of fiscal year end: 06/30/06

Date of reporting period: 07/01/05 - 09/30/05

Item 1 - Schedule of Investments

Apex Municipal Fund, Inc. Schedule of Investments as of September 30, 2005

State		Municipal Bonds
Alabama - 1.1%	\$ 1,000 1,200	Brewton, Alabama, IDB, PCR, Refunding (Container Corporati America-Jefferson Smurfit Corp. Project), 8% due 4/01/2009 Sylacauga, Alabama, Health Care Authority Revenue Bonds (Coosa Valley Medical Center), Series A, 6% due 8/01/2035
Alaska - 0.9%	2,000	Alaska Industrial Development and Expert Authority Revenue (Williams Lynxs Alaska Cargoport), AMT, 8% due 5/01/2023
Arizona - 3.4%	1,000 80 20 1,020 4,000 1,000	Maricopa County, Arizona, IDA, Education Revenue Bonds (Arizona Charter Schools Project 1), Series A, 6.625% due Maricopa County, Arizona, IDA, M/F Housing Revenue Bonds (Sun King Apartments Project), Series A: 5.875% due 11/01/2008 6% due 11/01/2010 6.75% due 5/01/2031 Phoenix, Arizona, IDA, Airport Facility, Revenue Refunding (America West Airlines Inc. Project), AMT, 6.30% due 4/01/ Pima County, Arizona, IDA, Education Revenue Bonds (Arizona Charter Schools Project), Series E, 7.25% due 7/0

500	Yavapai County, Arizona, IDA, Hospital Facility Revenue Bo (Yavapai Regional Medical Center), Series A, 6% due 8/01/2
1,800 1,300 1,000	California State, GO, 5% due 2/01/2033 California State, Various Purpose, GO, 5.25% due 11/01/202 Fontana, California, Special Tax, Refunding (Community Facilities District Number 22 - Sierra), 6% due Golden State Tobacco Securitization Corporation of California, Tobacco Settlement Revenue Bonds, Series B, 5. due 6/01/2013 (a)
2,765 2,800 1,235	Denver, Colorado, Urban Renewal Authority, Tax Increment Revenue Bonds (Pavilions), AMT, 7.75% due 9/01/2016 Elk Valley, Colorado, Public Improvement Revenue Bonds (Public Improvement Fee), Series A, 7.30% due 9/01/2022 North Range, Colorado, Metropolitan District Number 1, GO,
2,000	due 12/15/2031 Plaza Metropolitan District Number. 1, Colorado, Tax Alloc Revenue Bonds (Public Improvement Fees), 8% due 12/01/2025 Southlands, Colorado, Medical District, GO (Metropolitan District Number 1), 7.125% due 12/01/2034
	1,800 1,300 1,000 1,860 2,765 2,800 1,235 2,000

#### Portfolio Abbreviations

To simplify the listings of Apex Municipal Fund, Inc.'s portfolio holdings in the Schedule of Investments, we have abbreviated the names of many of the securities according to the list below.

AMT	Alternative Minimum Tax (subject to)
EDA	Economic Development Authority
GO	General Obligation Bonds
IDA	Industrial Development Authority
IDB	Industrial Development Board
IDR	Industrial Development Revenue Bonds
M/F	Multi-Family
PCR	Pollution Control Revenue Bonds
VRDN	Variable Rate Demand Notes

Apex Municipal Fund, Inc.
Schedule of Investments as of September 30, 2005

State	Face Amount	Municipal Bonds
Connecticut - 1.7%	\$ 1,650	Bridgeport, Connecticut, Senior Living Facilities Revenue (3030 Park Retirement Community Project), 7.25% due 4/01/2
	490	Connecticut State Development Authority, Airport Facility
	1,160	(LearJet Inc. Project), AMT, 7.95% due 4/01/2026 New Haven, Connecticut, Facility Revenue Bonds (Hill Health Corporation Project), 9.25% due 5/01/2017
Florida - 8.0%	805	Arbor Greene Community Development District, Florida, Spec Revenue Bonds, 7.60% due 5/01/2018
	800	Capital Projects Finance Authority, Florida, Continuing Ca

	2,500 870 1,500 1,350 1,580 1,700 2,640	Revenue Bonds (Glenridge on Palmer Ranch), Series A, 8% du Hillsborough County, Florida, IDA, Exempt Facilities Reven (National Gypsum), AMT, Series A, 7.125% due 4/01/2030 Lakewood Ranch, Florida, Community Development District Nu Assessment Revenue Refunding Bonds, Series A, 6.70% due 5/Midtown Miami, Florida, Community Development District, Sp Revenue Bonds, Series A:  6% due 5/01/2024  6.25% due 5/01/2037 Orlando, Florida, Urban Community Development District, Ca Improvement Special Assessment Bonds, Series A, 6.95% due Santa Rosa Bay Bridge Authority, Florida, Revenue Bonds, 6 due 7/01/2028 Tampa Palms, Florida, Open Space and Transportation Commun District Revenue Bonds, Capital Improvement (Richmond Plac 7.50% due 5/01/2018 Tern Bay Community Development District, Florida, Capital
		Revenue Refunding Bonds, Series A, 5.375% due 5/01/2037
Georgia - 3.3%	2,000 410 830 1,185 700	Atlanta, Georgia, Tax Allocation Bonds: (Atlantic Station Project), 7.90% due 12/01/2024 (Eastside Project), Series B, 5.40% due 1/01/2020 Brunswick and Glynn County, Georgia, Development Authority Revenue Bonds (Coastal Community Retirement Corporation Pr Series A: 7.125% due 1/01/2025 7.25% due 1/01/2035 Fulton County, Georgia, Development Authority, PCR (General Motors Corporation), Refunding, VRDN, 5.78% due 4 Savannah, Georgia, EDA, Revenue Bonds (Marshes of Skidaway First Mortgage, Series A, 7.40% due 1/01/2034
Idaho - 0.8%	1,470	Idaho Health Facilities Authority, Revenue Refunding Bonds (Valley Vista Care Corporation), Series A, 7.75% due 11/15
Illinois - 6.5%	1,845 3,000	Caseyville, Illinois, Senior Tax Increment Revenue Bonds (Forest Lakes Project), 7% due 12/30/2022 Chicago, Illinois, O'Hare International Airport, Special F Refunding Bonds (American Airlines Inc. Project), 8.20% du

Apex Municipal Fund, Inc. Schedule of Investments as of September 30, 2005

State Amount	Municipal Bonds
	Illinois Development Finance Authority Revenue Bonds (Prim
	Centers Facilities Acquisition Program):
\$ 58	5 7.75% due 12/01/2006 (a)
2,60	5 7.75% due 12/01/2016
49	O Illinois State Finance Authority Revenue Bonds (Primary He
	Centers Program), 6.60% due 7/01/2024
75	5 Lincolnshire, Illinois, Special Service Area Number. 1, Sp
	(Sedgebrook Project), 6.25% due 3/01/2034
2,40	O Lombard, Illinois, Public Facilities Corporation, First Ti
	(Conference Center and Hotel), Series A-1, 7.125% due 1/01

	760	Village of Wheeling, Illinois, Revenue Bonds (North Milwau Tax Increment Financing (TIF) Redevelopment Project), 6% d
Iowa - 2.5%	3 <b>,</b> 855	Iowa Finance Authority, Health Care Facilities, Revenue Re (Care Initiatives Project), 9.25% due 7/01/2025
Maine - 0.4%	840	Maine Finance Authority, Solid Waste Recycling Facilities (Great Northern Paper Project-Bowater), AMT, 7.75% due 10/
Maryland - 0.8%	1,500	Maryland State Energy Financing Administration, Limited Ob Bonds (Cogeneration-AES Warrior Run), AMT, 7.40% due 9/01/
Massachusetts - 5.0%	1,845 1,245	Massachusetts State Development Finance Agency, First Mort Bonds (Overlook Communities Inc.), Series A, 6.25% due 7/0 Massachusetts State Development Finance Agency, Revenue Re (Eastern Nazarene College): 5.625% due 4/01/2019
	1,220 850	5.625% due 4/01/2029  Massachusetts State Health and Educational Facilities Auth Bonds (Jordan Hospital), Series E, 6.75% due 10/01/2033  Massachusetts State Health and Educational Facilities Auth Refunding Bonds:
	2,100 1,000 1,200	(Bay Cove Human Services Issue), Series A, 5.90% due 4 (Milton Hospital), Series, 5.50% due 7/01/2016  Massachusetts State Industrial Finance Agency Revenue Bond Facility (Resource Control Composting), AMT, 9.25% due 6/0
Michigan - 0.6%	1,150	Macomb County, Michigan, Hospital Finance Authority, Hospi Bonds (Mount Clemens General Hospital), Series B, 5.875% d
Minnesota - 0.7%	1,230	Saint Paul, Minnesota, Port Authority, Hotel Facility, Rev Bonds (Radisson Kellogg Project), Series 2, 7.375% due 8/0
Missouri - 1.2%	1,200	Fenton, Missouri, Tax Increment Revenue Refunding and Impr (Gravois Bluffs), 7% due 10/01/2021 Kansas City, Missouri, IDA, First Mortgage Health Faciliti
	·	(Bishop Spencer Place), Series A, 6.50% due 1/01/2035
Nevada - 0.2%	430	Clark County, Nevada, Improvement District Number 142 Spec 6.375% due 8/01/2023
New Jersey - 14.6%	2,000 4,500	Camden County, New Jersey, Improvement Authority, Lease Re (Holt Hauling & Warehousing), AMT, Series A (b)(c): 9.625% due 1/01/2011 9.875% due 1/01/2021

Apex Municipal Fund, Inc. Schedule of Investments as of September 30, 2005 (in Thousands)

State	Face Amount	Municipal Bonds
	\$ 6,000	Camden County, New Jersey, Pollution Control Financing Aut Solid Waste Resource Recovery, Revenue Refunding Bonds, AM
	2,170	7.50% due 12/01/2010  New Jersev EDA, Cigarette Tax Revenue Bonds, 5.50% due 6/1

	1,500	New Jersey EDA, IDR, Refunding (Newark Airport Marriott Ho $7\%$ due $10/01/2014$
	1,000 3,700	New Jersey EDA, Retirement Community Revenue Bonds, Series (Cedar Crest Village Inc. Facility), 7.25% due 11/15/2 (Seabrook Village Inc.), 8.125% due 11/15/2023
	<b>5,</b> 100	New Jersey EDA, Special Facility Revenue Bonds (Continental Airlines Inc. Project), AMT:
	3,050	6.625% due 9/15/2012
	4,045	6.25% due 9/15/2029
	1,870	New Jersey Health Care Facilities Financing Authority Reve (Pascack Valley Hospital Association), 6.625% due 7/01/203 Tobacco Settlement Financing Corporation of New Jersey, As Revenue Bonds:
	2,540	5.75% due 6/01/2032
	1,075	7% due 6/01/2041
New Mexico - 2.7%	5,000	Farmington, New Mexico, PCR, Refunding (Tucson Electric Power CoSan Juan Project), Series A, 6. due 10/01/2020
New York - 5.6%	1,000	Dutchess County, New York, IDA, Civic Facility Revenue Bon (Saint Francis Hospital), Series B, 7.50% due 3/01/2029  New York City, New York, City IDA, Civic Facility Revenue
	350 1 <b>,</b> 495	Series C, 6.80% due 6/01/2028 (Special Needs Facility Pooled Program), Series C-1, 6 due 7/01/2024
	1,730	New York City, New York, City IDA, Special Facility Revenu (British Airways Plc Project), AMT, 7.625% due 12/01/2032
	2,080	New York State Dormitory Authority, Non-State Supported De Bonds (Mount Sinai-NYU Medical Center Health System), 5.50
	1,865	New York State Dormitory Authority, Non-State Supported De Refunding Bonds (Mount Sinai Hospital), Series C, 5.50% du
	635	Utica, New York, GO, Public Improvement, 9.25% due 8/15/20
	1,180	Westchester County, New York, IDA, Continuing Care Retirem Revenue Bonds (Kendal on Hudson Project), Series A, 6.50%
North Carolina - 0.6%	1,000	North Carolina Medical Care Commission, Retirement Facilit Mortgage Revenue Bonds (Givens Estates Project), Series A, due 7/01/2032
Oregon - 0.7%	1,310	Western Generation Agency, Oregon, Cogeneration Project Re (Wauna Cogeneration Project), AMT, Series B, 7.40% due 1/0

Apex Municipal Fund, Inc. Schedule of Investments as of September 30, 2005

State	Face Amount	Municipal Bonds
Pennsylvania - 6.2%	\$ 1,750	Chester County, Pennsylvania, Health and Education Facilit Senior Living Revenue Refunding Bonds (Jenners Pond Inc. P due 7/01/2034  Montgomery County, Pennsylvania, Higher Education and Heal Revenue Bonds (Faulkeways at Gwynedd Project):

1, 1,	900 925 700 600 460	6.75% due 11/15/2024 6.75% due 11/15/2030 Montgomery County, Pennsylvania, IDA Revenue Bonds (Whitemarsh Continuing Care Project), 6.25% due 2/01/2035 Philadelphia, Pennsylvania, Authority for IDR: (Air Cargo), AMT, Series A, 7.50% due 1/01/2025 Commercial Development, 7.75% due 12/01/2017
Rhode Island - 0.9% 1,	750	Central Falls, Rhode Island, Detention Facility Corporati Detention Facility, Revenue Refunding Bonds, 7.25% due 7/1
Tennessee - 1.0% 1,	800	Shelby County, Tennessee, Health, Educational and Housing Board Revenue Bonds (Germantown Village), Series A, 7.25%
Texas - 8.3% 1,	000	Austin, Texas, Convention Center Revenue Bonds (Convention Enterprises Inc.), First Tier, Series A, 6.70% due 1/01/2028
2,	530 760 220	Brazos River Authority, Texas, PCR, AMT, Refunding: (Texas Utility Company), Series A, 7.70% due 4/01/2033 (Utilities Electric Company), Series B, 5.05% due 6/01 Brazos River Authority, Texas, Revenue Refunding Bonds
1,	660	(Reliant Energy Inc. Project), Series B, 7.75% due 12/01/2 Grand Prairie, Texas, Housing Finance Corporation Revenue (Independent Senior Living Center), 7.75% due 1/01/2034
1,	000	Houston, Texas, Health Facilities Development Corporation, Facility Revenue Bonds (Buckingham Senior Living Community 7.125% due 2/15/2034
2,	310	Matagorda County, Texas, Navigation District Number 1, Rev Bonds (Reliant Energy Inc.), Series C, 8% due 5/01/2029
1,	330	Port Corpus Christi, Texas, Individual Development Corpora Environmental Facilities Revenue Bonds (Citgo Petroleum Co Project), AMT, 8.25% due 11/01/2031
	785	Travis County, Texas, Health Facilities Development Corpor Retirement Facilities Revenue Bonds (Querencia Barton Cree 5.65% due 11/15/2035
Utah - 1.2% 2,	240	Carbon County, Utah, Solid Waste Disposal, Revenue Refundi (Laidlaw Environmental), AMT, Series A, 7.45% due 7/01/201
Virginia - 5.3% 2,	480	Dulles Town Center, Virginia, Community Development Author Assessment Tax (Dulles Town Center Project), 6.25% due 3/0
	245	Pocahontas Parkway Association, Virginia, Toll Road Revenu Series B, 5.888*** due 8/15/2025 Virginia Beach, Virginia, Development Authority, Residenti Facilities, Mortgage Revenue Refunding Bonds (Westminster-5.375% due 11/01/2032
West Virginia - 0.4%	875	Princeton, West Virginia, Hospital Revenue Refunding Bonds (Community Hospital Association Inc. Project), 6.20% due 5

Apex Municipal Fund, Inc. Schedule of Investments as of September 30, 2005 (in Thousands)

	Face	
State	Amount	Municipal Bonds

	onsin - 0.7%	,	Wisconsin State Health and Educational F. (New Castle Place Project), Series A, 7%		
	ng - 0.9%	1,800			
U.S.	Virgin Islands - 1.2%		Virgin Islands Government Refinery Facil (Hovensa Coker Project), AMT, 6.50% due	7/01/2021	
			Total Municipal Bonds (Cost - \$180,209)		
		Shares Held	Short-Term Securities		
		3,500	Merrill Lynch Institutional Tax-Exempt F	und (d)	
			Total Short-Term Securities (Cost - \$3,		
			Total Investments (Cost - \$183,709*) - 9		
			Other Assets Less Liabilities - 2.0%		
			Net Assets - 100.0%		
*	The cost and unrealized appreciation (depreciation) of investments as of September 30, 2005, as computed for federal income tax purposes, were as follows:				
	Aggregate cost		\$ 183,690 =====		
	Gross unrealized appre		\$ 12,031 (7,464	)	
	Net unrealized apprece	Lation	\$ 4,567 ======		
**	Represents a zero coupon bond; the interest rate shown reflects the effective yield at the time of purchase.				
(a) (b) (c)	Prerefunded.  Non-income producing security; issuer filed for bankruptcy or is in default of interest payments.  Restricted securities as to resale, representing 0.4% of net assets were as follows:				
	Issue			Acquisition Date(s)	

Camden County, New Jersey, Improvement Authority, Lease Revenue Bonds

(Holt Hauling & Warehousing), AMT, Series A, 9.625% due 1/01/2011 Camden County, New Jersey, Improvement Authority, Lease Revenue Bonds 2/06/1996-(Holt Hauling & Warehousing), AMT, Series A, 9.875% due 1/01/2021

1/29/1997

1/29/1997

Total

Apex Municipal Fund, Inc. Schedule of Investments as of September 30, 2005

(in Thousands)

Investments in companies considered to be an affiliate of the Fund, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, were as follows:

	Net	Interest				
Affiliate	Activity	Income				
Merrill Lynch Institutional Tax-Exempt Fund	\$ (200)	\$ 23				

Security may have a maturity of more than one year at time of issuance, (e) but has variable rate and demand features that qualify it as a short-term security. The rate disclosed is that currently in effect. This rate changes periodically based upon prevailing market rates.

Item 2 - Controls and Procedures

- 2(a) The registrant's certifying officers have reasonably designed such disclosure controls and procedures to ensure material information relating to the registrant is made known to us by others particularly during the period in which this report is being prepared. The registrant's certifying officers have determined that the registrant's disclosure controls and procedures are effective based on our evaluation of these controls and procedures as of a date within 90 days prior to the filing date of this report.
- 2(b) There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR 270.30a-3(d)) that occurred during the last fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3 - Exhibits

Certifications - Attached hereto

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Apex Municipal Fund, Inc.

By: /s/ Robert C. Doll, Jr.

Robert C. Doll, Jr. Chief Executive Officer Apex Municipal Fund, Inc.

Date: November 17, 2005

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /s/ Robert C. Doll, Jr.

Robert C. Doll, Jr.
Chief Executive Officer
Apex Municipal Fund, Inc.

Date: November 17, 2005

By: /s/ Donald C. Burke

Donald C. Burke Chief Financial Officer Apex Municipal Fund, Inc.

Date: November 17, 2005