MUNIASSETS FUND INC Form N-Q April 28, 2006

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 811-7642

Name of Fund: MuniAssets 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, MuniAssets 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: 05/31/2006

Date of reporting period: 12/01/05 - 02/28/06

Item 1 - Schedule of Investments

MuniAssets Fund, Inc. Schedule of Investments as of February 28, 2006

(in Thousands)

State	Face Amount	Municipal Bonds
Alabama - 0.9%	\$ 2,420	Brewton, Alabama, IDB, PCR, Refunding (Container Corporation of Smurfit Corp. Project), 8% due 4/01/2009
Alaska - 0.4%	1,290	Alaska Industrial Development and Export Authority Revenue Bonds Cargoport), AMT, 7.80% due $5/01/2014$
Arizona - 6.7%	3,000 2,500 1,425	Coconino County, Arizona, Pollution Control Corporation, Revenue (Tucson Electric Power - Navajo), AMT, Series A, 7.125% due 10/0 Coconino County, Arizona, Pollution Control Corporation, Revenue (Tucson Electric Power - Navajo), Series B, 7% due 10/01/2032 Maricopa County, Arizona, IDA, Education Revenue Bonds (Arizona
	1,615 7,600	Project 1), Series A, 6.625% due 7/01/2020 Maricopa County, Arizona, IDA, M/F Housing Revenue Bonds (Sun Ki Series A, 6.75% due 5/01/2031 Phoenix, Arizona, IDA, Airport Facility, Revenue Refunding Bonds Inc. Project), AMT, 6.30% due 4/01/2023
	1,420	Pima County, Arizona, IDA, Education Revenue Bonds (Arizona Char Series E, 7.25% due 7/01/2031

1,000 Pima County, Arizona, IDA, Education Revenue Bonds (Arizona Char

	1,200	Series A, 6.75% due 7/01/2031 Show Low, Arizona, Improvement District Number 5, Special Assess due 1/01/2015
California - 1.7%	1,300	California State, Various Purpose, GO, 5.25% due 11/01/2025 California State, Various Purpose, GO, 5.50% due 11/01/2033 Fontana, California, Special Tax, Refunding (Community Facilitie Sierra), 6% due 9/01/2034

Portfolio Abbreviations

To simplify the listings of MuniAssets 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)
BAN	Bond Anticipation Notes
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

MuniAssets Fund, Inc. Schedule of Investments as of February 28, 2006

(in Thousands)

State	Face Amount	Municipal Bonds
		·
Colorado - 7.0%	\$ 2,000	Denver, Colorado, City and County Airport Revenue Bonds, AMT, Se due 11/15/2013 (a) (f)
	2,295	Denver, Colorado, Urban Renewal Authority, Tax Increment Revenue AMT, 7.75% due 9/01/2016
	3,000	Denver, Colorado, Urban Renewal Authority, Tax Increment Revenue AMT, 7.75% due 9/01/2017
	1,690	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public I Series A, 7.10% due 9/01/2014
	2,095	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public I Series A, 7.30% due 9/01/2022
	800	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public I Series B, 7% due 9/01/2031
	1,760	North Range, Colorado, Metropolitan District Number 1, GO, 7.25%
	2,850	Plaza Metropolitan District Number 1, Colorado, Tax Allocation R Improvement Fees), 8% due 12/01/2025
	525	Plaza Metropolitan District Number 1, Colorado, Tax Allocation R Improvement Fees), 8.125% due 12/01/2025
	1,170	Southlands, Colorado, Medical District, GO (Metropolitan Districture due 12/01/2034
Connecticut - 3.2%	2,350	Bridgeport, Connecticut, Senior Living Facilities Revenue Bonds Community Project), 7.25% due 4/01/2035
	600	

680 Connecticut State Development Authority, Airport Facility Revenu

	3,490 2,330	due 4/01/2030
Florida - 5.5%	715	
	1,130	Capital Projects Finance Authority, Florida, Continuing Care Ret (Glenridge on Palmer Ranch), Series A, 8% due 6/01/2032
	495	Harbor Bay, Florida, Community Development District, Capital Imp Assessment Revenue Bonds, Series A, 7% due 5/01/2033
	2,000	Hillsborough County, Florida, IDA, Exempt Facilities Revenue Bon AMT, Series A, 7.125% due 4/01/2030
	3,255	Midtown Miami, Florida, Community Development District, Special Bonds, Series A, 6.25% due 5/01/2037
	1,180	Orlando, Florida, Greater Orlando Aviation Authority, Airport Fa (JetBlue Airways Corp.), AMT, 6.375% due 11/15/2026
	2,305	Orlando, Florida, Urban Community Development District, Capital Assessment Bonds, Series A, 6.95% due 5/01/2033

MuniAssets Fund, Inc.
Schedule of Investments as of February 28, 2006

(in Thousands)

State	Face Amount	Municipal Bonds
	\$ 2,400 925	Santa Rosa Bay Bridge Authority, Florida, Revenue Bonds, 6.25% d Waterchase, Florida, Community Development District, Capital Imp Bonds, Series A, 6.70% due 5/01/2032
Georgia - 3.3%	3,000 590 1,165 1,690 200 1,060	Atlanta, Georgia, Tax Allocation Bonds (Atlantic Station Project Atlanta, Georgia, Tax Allocation Bonds (Eastside Project), Serie Brunswick & Glynn County, Georgia, Development Authority, First (Coastal Community Retirement Corporation Project), Series A, 7. Brunswick & Glynn County, Georgia, Development Authority, First (Coastal Community Retirement Corporation Project), Series A, 7. Burke County, Georgia, Development Authority, PCR, Refunding (Og Corporation), VRDN, Series B, 2.96% due 1/01/2020 (a) (d) Fulton County, Georgia, Development Authority, PCR (General Moto Refunding, VRDN, 8% due 4/01/2010 (d) Savannah, Georgia, EDA, Revenue Bonds (Marshes of Skidaway), Fir 7.40% due 1/01/2034
Idaho - 0.4%	1,000	Idaho Health Facilities Authority, Revenue Refunding Bonds (Vall Corporation), Series A, 7.75% due 11/15/2016
Illinois - 7.4%	2,630 4,000 290 60	Caseyville, Illinois, Senior Tax Increment Revenue Bonds (Forest 7% due 12/30/2022 Chicago, Illinois, O'Hare International Airport, Special Facilit Bonds (American Airlines Inc. Project), 8.20% due 12/01/2024 Illinois Development Finance Authority Revenue Bonds (Primary He Facilities Acquisition Program), 7.50% due 12/01/2006 Illinois Development Finance Authority Revenue Bonds (Primary He

Facilities Acquisition Program), 7.50% due 12/01/2006 (c)
475 Illinois Development Finance Authority Revenue Bonds (Primary He

	Facilities Acquisition Program), 7.75% due 12/01/2006 (b)
2,720	Illinois Development Finance Authority Revenue Bonds (Primary He
	Facilities Acquisition Program), 7.75% due 12/01/2016
2,950	Illinois State Finance Authority Revenue Bonds (Clare At Water T
	Series A, 6.125% due 5/15/2038
600	Illinois State Finance Authority Revenue Bonds (Landing At Plymo
	Series A, 6% due 5/15/2037
685	Illinois State Finance Authority Revenue Bonds (Primary Health C
	6.60% due 7/01/2024
1,070	Lincolnshire, Illinois, Special Service Area Number 1, Special T
	Project), 6.25% due 3/01/2034
2,600	Lombard, Illinois, Public Facilities Corporation, First Tier Rev
	Center and Hotel), Series A-1, 7.125% due 1/01/2036

MuniAssets Fund, Inc. Schedule of Investments as of February 28, 2006 (in Thousands)

State	Face Amount	Municipal Bonds
	\$ 1,165 825	Naperville, Illinois, IDR (General Motors Corporation), Refundin due 12/01/2012 (d) Village of Wheeling, Illinois, Revenue Bonds (North Milwaukee/La Financing (TIF) Redevelopment Project), 6% due 1/01/2025
Iowa - 1.0%	2 , 235	Iowa Finance Authority, Health Care Facilities, Revenue Refundin Initiatives Project), 9.25% due 7/01/2025
Kansas - 0.5%	1 , 770	Wyandotte County, Kansas, Kansas City Unified Government Revenue (General Motors Corporation Project), 6% due 6/01/2025
Kentucky - 0.7%	2 , 850	Kenton County, Kentucky, Airport Board, Special Facilities Reven Aviation Inc. Project), AMT, Series A, 6.70% due 7/01/2029
Louisiana - 1.4%	1,870 1,860	Louisiana Public Facilities Authority, Hospital Revenue Bonds (F of Our Lady Health System, Inc.), Series A, 5.25% due 8/15/2036 New Orleans, Louisiana, Sewer Service Revenue Notes, BAN, 3% due
Maine - 0.4%	1 , 160	Maine Finance Authority, Solid Waste Recycling Facilities Revenu Paper Project-Bowater), AMT, 7.75% due 10/01/2022
Maryland - 1.8%	540 1,910 2,500	Baltimore, Maryland, Convention Center Hotel Revenue Bonds, Subdue 9/01/2039 Maryland State Economic Development Corporation, Revenue Refundi Association for Retarded Citizens-Health and Mental Hygiene Prog 7.75% due 3/01/2025 Maryland State Energy Financing Administration, Limited Obligati (Cogeneration-AES Warrior Run), AMT, 7.40% due 9/01/2019
Massachusetts - 1.8%	1,680 1,150 2,045	Massachusetts State Development Finance Agency, Revenue Refundin Nazarene College), 5.625% due 4/01/2029 Massachusetts State Health and Educational Facilities Authority Hospital), Series E, 6.75% due 10/01/2033 Massachusetts State Health and Educational Facilities Authority, Bonds (Bay Cove Human Services Issue), Series A, 5.90% due 4/01/

Michigan - 0.6%	1,635	Macomb County, Michigan, Hospital Finance Authority, Hospital Re Clemens General Hospital), Series B, 5.875% due 11/15/2034
Minnesota - 0.8%	1,770 440	Saint Paul, Minnesota, Port Authority, Hotel Facility, Revenue R (Radisson Kellogg Project), Series 2, 7.375% due 8/01/2029 Virginia, Minnesota, Housing and Redevelopment Authority, Health Revenue Bonds, 5.25% due 10/01/2025
Missouri - 0.8%	120 1,000 1,000	Fenton, Missouri, Tax Increment Revenue Refunding and Improvemen (Gravois Bluffs), 6.75% due 10/01/2015 Fenton, Missouri, Tax Increment Revenue Refunding and Improvemen (Gravois Bluffs), 7% due 10/01/2021 Kansas City, Missouri, IDA, First Mortgage Health Facilities Rev (Bishop Spencer Place), Series A, 6.50% due 1/01/2035
Nevada - 0.2%	645	Clark County, Nevada, Improvement District Number 142, Special A 6.375% due 8/01/2023

MuniAssets Fund, Inc. Schedule of Investments as of February 28, 2006 (in Thousands)

	Face	
State	Amount	Municipal Bonds
New Jersey - 15.1%	\$ 5,600	Camden County, New Jersey, Improvement Authority, Lease Revenue
		Warehousing), AMT, Series A, 9.625% due 1/01/2011 (e)(h)
	5,800	Camden County, New Jersey, Improvement Authority, Lease Revenue Warehousing), AMT, Series A, 9.875% due 1/01/2021 (e) (h)
	325	Camden County, New Jersey, Pollution Control Financing Authority
	323	Recovery, Revenue Bonds, Series D, 7.25% due 12/01/2010
	9,000	Camden County, New Jersey, Pollution Control Financing Authority
		Recovery, Revenue Refunding Bonds, AMT, Series A, 7.50% due 12/0
	765	Camden County, New Jersey, Pollution Control Financing Authority
		Recovery, Revenue Refunding Bonds, AMT, Series B, 7.50% due 12/0
	3,065	New Jersey EDA, Cigarette Tax Revenue Bonds, 5.50% due 6/15/2024
	2,500	New Jersey EDA, IDR, Refunding (Newark Airport Marriott Hotel),
	1,665	New Jersey EDA, Retirement Community Revenue Bonds (Cedar Crest
	·	Series A, 7.25% due 11/15/2021
	5,800	New Jersey EDA, Retirement Community Revenue Bonds (Seabrook Vil
		8.125% due 11/15/2023
	2,000	New Jersey EDA, Special Facility Revenue Bonds (Continental Airl
		6.25% due 9/15/2019
	4,650	New Jersey EDA, Special Facility Revenue Bonds (Continental Airl
		6.25% due 9/15/2029
	1,250	New Jersey EDA, Special Facility Revenue Bonds (Continental Airl
		9% due 6/01/2033
	2,650	New Jersey Health Care Facilities Financing Authority Revenue Bo
		Hospital Association), 6.625% due 7/01/2036
	1,500	New Jersey Health Care Facilities Financing Authority, Revenue R
		(Trinitas Hospital Obligation Group), 7.40% due 7/01/2020
	2,035	Tobacco Settlement Financing Corporation of New Jersey, Asset-Ba
		5.75% due 6/01/2032
	1,425	Tobacco Settlement Financing Corporation of New Jersey, Asset-Ba
		7% due 6/01/2041

New Mexico - 0.9%	2,500	Farmington, New Mexico, PCR, Refunding (Tucson Electric Power Co Series A, 6.95% due 10/01/2020
New York - 5.2%	1,400	Dutchess County, New York, IDA, Civic Facility Revenue Refunding Hospital), Series A, 7.50% due 3/01/2029
	510	New York City, New York, City IDA, Civic Facility Revenue Bonds, due 6/01/2028
	2,715	New York City, New York, City IDA, Civic Facility Revenue Bonds Facilities Pooled Program), Series C-1, 3.313% due 7/01/2029
	2,400	New York City, New York, City IDA, Special Facility Revenue Bond Project), AMT, 7.625% due 12/01/2032

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State	Face Amount	Municipal Bonds
	\$ 2,920 2,635 1,575	New York State Dormitory Authority, Non-State Supported Debt, Re Sinai-NYU Medical Center Health System), 5.50% due 7/01/2026 New York State Dormitory Authority, Non-State Supported Debt, Re (Mount Sinai Hospital), Series C, 5.50% due 7/01/2026 Westchester County, New York, IDA, Continuing Care Retirement, M (Kendal on Hudson Project), Series A, 6.50% due 1/01/2034
North Carolina - 0.6%	1,500	North Carolina Medical Care Commission, Retirement Facilities, F Bonds (Givens Estates Project), Series A, 6.50% due 7/01/2032
Oklahoma - 0.5%	1,295	Norman, Oklahoma, Regional Hospital Authority, Hospital Revenue due 9/01/2036
Oregon - 0.8%	1,440 700	Western Generation Agency, Oregon, Cogeneration Project Revenue Cogeneration Project), AMT, Series B, 7.40% due 1/01/2016 Western Generation Agency, Oregon, Cogeneration Project Revenue Cogeneration Project), Series A, 7.125% due 1/01/2021
Pennsylvania - 6.0%	200 1,550 2,330 3,250 2,270 6,440	Bucks County, Pennsylvania, IDA, Retirement Community Revenue Bo Series A, 6.125% due 1/01/2025 Bucks County, Pennsylvania, IDA, Retirement Community Revenue Bo Series A, 6.25% due 1/01/2035 Montgomery County, Pennsylvania, IDA, Revenue Bonds (Whitemarsh 6.125% due 2/01/2028 Pennsylvania Economic Development Financing Authority, Exempt Fa (National Gypsum Company), AMT, Series A, 6.25% due 11/01/2027 Philadelphia, Pennsylvania, Authority for IDR (Air Cargo), AMT, due 1/01/2025 Philadelphia, Pennsylvania, Authority for IDR, Commercial Develo due 12/01/2017
Rhode Island - 1.0%	2,495	Central Falls, Rhode Island, Detention Facility Corporation, De Revenue Refunding Bonds, 7.25% due 7/15/2035
South Carolina - 1.5%	3,500	South Carolina Jobs, EDA, Economic Development Revenue Bonds (We Center), 7.75% due 11/15/2010 (b)

Tennessee - 0.9% 2,500 Shelby County, Tennessee, Health, Educational and Housing Facil

		Bonds (Germantown Village), Series A, 7.25% due 12/01/2034	
Texas - 6.7%	1,000	Austin, Texas, Convention Center Revenue Bonds (Convention Enter Tier, Series A, 6.70% due 1/01/2028	
	2,550	Brazos River Authority, Texas, PCR, Refunding (Texas Utility Com 7.70% due $4/01/2033$	
	3,865	Brazos River Authority, Texas, PCR, Refunding (Utilities Electri Series B, 5.05% due 6/01/2030	
	1,680	Brazos River Authority, Texas, Revenue Refunding Bonds (Reliant Series B, 7.75% due 12/01/2018	
	1,170	Grand Prairie, Texas, Housing Finance Corporation Revenue Bonds Living Center), 7.75% due 1/01/2034	

MuniAssets Fund, Inc. Schedule of Investments as of February 28, 2006 (in Thousands)

	Face	
State	Amount	Municipal Bonds
	\$ 1,400 750 3,190 1,860	Houston, Texas, Health Facilities Development Corporation, Retir Bonds (Buckingham Senior Living Community), Series A, 7.125% due Kerrville, Texas, Health Facilities Development Corporation, Hos (Sid Peterson Memorial Hospital Project), 5.375% due 8/15/2035 Matagorda County, Texas, Navigation District Number 1, Revenue R Energy Inc.), Series C, 8% due 5/01/2029 Port Corpus Christi, Texas, Individual Development Corporation, Facilities Revenue Bonds (Citgo Petroleum Corporation Project), due 11/01/2031
Utah - 0.6%	1 , 660	Carbon County, Utah, Solid Waste Disposal, Revenue Refunding Bon Environmental), AMT, Series A, 7.45% due 7/01/2017
Virginia - 8.3%	1,475 48,400 48,400	Dulles Town Center, Virginia, Community Development Authority, S (Dulles Town Center Project), 6.25% due 3/01/2026 Pocahontas Parkway Association, Virginia, Toll Road Revenue Bond Appreciation, Senior-Series B, 5.95%** due 8/15/2031 Pocahontas Parkway Association, Virginia, Toll Road Revenue Bond Appreciation, Senior-Series B, 5.95%** due 8/15/2032
Wisconsin - 0.7%	1,855	Wisconsin State Health and Educational Facilities Authority Reve
U.S. Virgin Islands - 1.2%	3,000	Virgin Islands Government Refinery Facilities, Revenue Refunding Project), AMT, 6.50% due 7/01/2021
		Total Municipal Bonds (Cost - \$264,381) - 96.5%
	Shares Held	Short-Term Securities
	4,700	Merrill Lynch Institutional Tax-Exempt Fund, 2.98% (g)

Total Short-Term Securities (Cost - \$4,700) - 1.7%

Total Investments (Cost - \$269,081*) - 98.2%

Other Assets Less Liabilities - 1.8%

Net Assets - 100.0%

The cost and unrealized appreciation (depreciation) of investments as of February 28, 2006, as computed for federal income tax purposes, were as follows:

Net unrealized appreciation	\$ 4,849
Gross unrealized depreciation	(13,119)
Gross unrearrzed apprecratron	γ 17 , 500
Gross unrealized appreciation	\$ 17,968
	=======
Aggregate cost	\$ 269,081

Represents a zero coupon bond; the interest rate shown reflects the effective yield at the time of purchase.

MuniAssets Fund, Inc.

Schedule of Investments as of February 28, 2006

(in Thousands)

- (a) AMBAC Insured.
- (b) Prerefunded.
- (C) Escrowed to maturity.
- (d) Security may have a maturity of more than one year at time of issuance, 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.
- Non-income producing security; issuer filed for bankruptcy or is in (e) default of interest payments.
- Tradable Custodial Receipts (TRACERS).
- 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:

Affiliate Net Activity Income Merrill Lynch Institutional Tax-Exempt Fund, 2.98% 4,700 \$29			
Merrill Lynch Institutional Tax-Exempt Fund, 2.98% 4,700 \$29	Affiliate	Net Activity	
	Merrill Lynch Institutional Tax-Exempt Fund, 2.98%	4,700	\$29

(h) Restricted securities as to resale, representing 0.6% of net assets were as follows:

Acquisition Date(s)

Issue

._____

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

1/29/1997

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

2/06/1996-

A, 9.875% due 1/01/2021 1/29/199

Total

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.

MuniAssets Fund, Inc.

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

Robert C. Doll, Jr.
Chief Executive Officer
MuniAssets Fund, Inc.

Date: April 20, 2006

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
MuniAssets Fund, Inc.

Date: April 20, 2006

By: /s/ Donald C. Burke

Donald C. Burke Chief Financial Officer MuniAssets Fund, Inc.

Date: April 20, 2006