MUNIHOLDINGS FUND INC Form N-Q September 26, 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 811-8081

Name of Fund: MuniHoldings 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, MuniHoldings 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: 04/30/2007

Date of reporting period: 05/01/06 - 07/31/06

Item 1 - Schedule of Investments

MuniHoldings Fund, Inc.

Schedule of Investments as of July 31, 2006

State	Face Amount	Municipal Bonds
Alabama - 2.9%	\$ 1 , 750	Camden, Alabama, IDB, Exempt Facilities Revenue Bonds (Weyerhaeu Series A, 6.125% due 12/01/2024
	4,550	Jefferson County, Alabama, Limited Obligation School Warrants, S due 1/01/2024
Arizona – 3.3%	900	Maricopa County, Arizona, IDA, Education Revenue Bonds (Arizona Schools Project 1), Series A, 6.50% due 7/01/2012
	2,200	Maricopa County, Arizona, IDA, Education Revenue Bonds (Arizona Schools Project 1), Series A, 6.75% due 7/01/2029
	2,745	Phoenix, Arizona, IDA, Airport Facility, Revenue Refunding Bonds Airlines Inc. Project), AMT, 6.30% due 4/01/2023
	1,000	Pinal County, Arizona, COP, 5% due 12/01/2029
	610	Show Low, Arizona, Improvement District Number 5, Special Assess 6.375% due 1/01/2015

Arkansas - 0.9%	2,000	University of Arkansas, University Construction Revenue Bonds (U Series B, 5% due 11/01/2023 (h)
California - 19.5%	875	Agua Caliente Band of Cahuilla Indians, California, Casino Reven due 7/01/2013
	2,965	California Infrastructure and Economic Development Bank, Insured (Rand Corporation), Series A, 5.50% due 4/01/2032 (b)
	3,405	California Pollution Control Financing Authority, PCR, Refunding Series 878Z, 6.719% due 12/01/2009 (g)(h)
	300	California State, GO, 5.50% due 4/01/2014 (i)
	2,200	California State, GO, 5.50% due 4/01/2028
	6,800	California State Public Works Board, Lease Revenue Bonds (Depart Corrections), Series C, 5.25% due 6/01/2028
	3,870	California Statewide Communities Development Authority, Health F Bonds (Memorial Health Services), Series A, 6% due 10/01/2023
	2,000	East Side Union High School District, California, Santa Clara Co of 2002), Series D, 5% due 8/01/2021 (k)
	1 , 165	Golden State Tobacco Securitization Corporation of California, T Revenue Bonds, Series A-3, 7.875% due 6/01/2042

Portfolio Abbreviations

To simplify the listings of MuniHoldings 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)
COP	Certificates of Participation
DRIVERS	Derivative Inverse Tax-Exempt Receipts
EDA	Economic Development Authority
GO	General Obligation Bonds
HDA	Housing Development Authority
HFA	Housing Finance Agency
IDA	Industrial Development Authority
IDB	Industrial Development Board
IDR	Industrial Development Revenue Bonds
PCR	Pollution Control Revenue Bonds
RIB	Residual Interest Bonds
VRDN	Variable Rate Demand Notes

MuniHoldings Fund, Inc.

Schedule of Investments as of July 31, 2006 (concluded)

State	Face Amount	Municipal Bonds
California (concluded)	\$ 6,000	Los Angeles, California, Unified School District, GO, Series A, 1/01/2028 (h)
	2,405	Montebello, California, Unified School District, GO, 5.61% due 8
	2,455	Montebello, California, Unified School District, GO, 5.61% due 8
	2,095	Oceanside, California, Unified School District, GO (Election of 5.25% due 8/01/2032 (h)
	3,490	Sequoia, California, Unified High School District, GO, Refunding due 7/01/2035 (e)
	1,000	Sunnyvale, California, School District, GO (Election of 2004), S 9/01/2026 (e)
	2,915	Tustin, California, Unified School District, Senior Lien Special (Community Facilities District Number 97-1), Series A, 5% due 9/
Colorado - 1.7%	2,645	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public I Series A, 7.35% due 9/01/2031
	1,000	Plaza Metropolitan District Number 1, Colorado, Tax Allocation R (Public Improvement Fees), 8.125% due 12/01/2025
Connecticut - 3.2%	2,285	Bridgeport, Connecticut, Senior Living Facilities Revenue Bonds Retirement Community Project), 7.25% due 4/01/2035
	2,165	Connecticut State Development Authority, Airport Facility Revenu Inc. Project), AMT, 7.95% due 4/01/2026
	2,735	Connecticut State Development Authority, IDR (AFCO Cargo BDL-LLC 8% due 4/01/2030
Florida - 8.1%	2,340	Miami-Dade County, Florida, Subordinate Special Obligation Reven 5.24% due 10/01/2037 (h)(m)
	2,250	Midtown Miami, Florida, Community Development District, Special Bonds, Series A, 6.25% due 5/01/2037
	2,550	Midtown Miami, Florida, Community Development District, Special Bonds, Series B, 6.50% due 5/01/2037
	3,225	Orange County, Florida, Health Facilities Authority, Hospital Re Regional Healthcare), 6% due 12/01/2012 (i)
	2,095	Orlando, Florida, Greater Orlando Aviation Authority, Airport Fa Bonds (JetBlue Airways Corp.), AMT, 6.50% due 11/15/2036
	800	Orlando, Florida, Urban Community Development District, Capital Assessment Bonds, Series A, 6.95% due 5/01/2033
	725	Palm Coast Park Community Development District, Florida, Special Bonds, 5.70% due 5/01/2037

- 1,645 Preserve at Wilderness Lake, Florida, Community Development Dist Improvement Bonds, Series A, 5.90% due 5/01/2034
- 1,000 Tern Bay Community Development District, Florida, Capital Improv Refunding Bonds, Series A, 5.375% due 5/01/2037
- 2,300 West Villages Improvement District, Florida, Special Assessment Bonds (Unit of Development Number 2), 5.80% due 5/01/2036
- Georgia 0.9% 1,750 Atlanta, Georgia, Tax Allocation Bonds (Atlantic Station Project 12/01/2024

Illinois - 3.8% 730 Beardstown, Illinois, IDR (Jefferson Smurfit Corp. Project), 8%

- 1,000 Chicago, Illinois, O'Hare International Airport, Special Facilit Bonds (American Airlines Inc. Project), 8.20% due 12/01/2024
- 1,200 Chicago, Illinois, Special Assessment Bonds (Lake Shore East), 6
- 4,000 Illinois HDA, Homeowner Mortgage Revenue Bonds, AMT, Sub-Series 2/01/2027
 - 700 Illinois State Finance Authority Revenue Bonds (Landing At Plymo Series A, 6% due 5/15/2025
 - 625 Naperville, Illinois, IDR (General Motors Corporation), Refundin 12/01/2012 (f)
- Indiana 2.7% 8,985 Allen County, Indiana, Redevelopment District Tax Increment Reve Motors Development Area), 7% due 5/15/2008 (i)(m)
- Kentucky 1.0%2,000Louisville and Jefferson Counties, Kentucky, Metropolitan SewerDrain System Revenue Bonds, Series A, 5.50% due 5/15/2034 (h)
- Louisiana 4.8% 4,115 Louisiana Public Facilities Authority, Hospital Revenue Bonds (F of Our Lady Health System, Inc.), Series A, 5.25% due 8/15/2036
 - 1,050 Louisiana State, Gas and Fuels Tax Revenue Bonds, Series A, 5% d
 - 1,750 New Orleans, Louisiana, Financing Authority Revenue Bonds (Xavie Louisiana Project), 5.30% due 6/01/2026 (h)
 - 3,540 New Orleans, Louisiana, GO (Public Improvements), 5% due 10/01/2
- Maryland 5.7% 1,875 Anne Arundel County, Maryland, Special Obligation Revenue Bonds Project), 7.10% due 7/01/2009 (i)
 - 5,417 Baltimore, Maryland, Convention Center Hotel Revenue Bonds, RIB, 6.60% due 9/01/2039 (g)(k)
 - 1,760 Maryland State Economic Development Corporation, Student Housing (University of Maryland College Park Project), 6% due 6/01/2013
 - 2,750 Maryland State Energy Financing Administration, Limited Obligati (Cogeneration-AES Warrior Run), AMT, 7.40% due 9/01/2019

- Massachusetts 4.4% 2,900 Massachusetts State, HFA, Housing Revenue Bonds, AMT, Series A,
 - 6,695 Massachusetts State School Building Authority, Dedicated Sales T Series A, 5% due 8/15/2030 (e)
- Michigan 2.6% 1,400 Flint, Michigan, Hospital Building Authority, Revenue Refunding Center), Series A, 6% due 7/01/2020 (a)
 - 3,000 Michigan State Strategic Fund, Limited Obligation Revenue Refund Edison Company Pollution Control Project), AMT, Series B, 5.65%
 - 1,300 Michigan State Strategic Fund, PCR (General Motors Corporation P
 7.75% due 12/01/2008 (f)
- Minnesota 1.7% 3,500 Minneapolis, Minnesota, Community Development Agency, Supported Refunding Bonds, Series G-3, 5.45% due 12/01/2011 (i)
- Mississippi 5.4% 7,675 Claiborne County, Mississippi, PCR, Refunding (System Energy Res 6.20% due 2/01/2026
 - 2,500 Mississippi Business Finance Corporation, Mississippi, PCR, Refu Resources Inc. Project), 5.90% due 5/01/2022
 - 1,000 Mississippi Development Bank, Special Obligation Revenue Refundi Water and Sewer System Project), 5.25% due 7/01/2017 (e)
 - 810 Mississippi Development Bank, Special Obligation Revenue Refundi Water and Sewer System Project), 5.25% due 7/01/2019 (e)
- Missouri 1.4% 1,915 Fenton, Missouri, Tax Increment Revenue Refunding and Improvemen Bluffs), 7% due 10/01/2011 (i)
 - 1,000 Missouri State Development Finance Board, Infrastructure Facilit Refunding Bonds (Branson), Series A, 5.50% due 12/01/2032
- New Jersey 12.7% 5,385 New Jersey EDA, Cigarette Tax Revenue Bonds, 5.75% due 6/15/2029
 - 2,280 New Jersey EDA, Cigarette Tax Revenue Bonds, 5.75% due 6/15/2034
 - 1,475 New Jersey EDA, Retirement Community Revenue Bonds (Cedar Crest Facility), Series A, 7.25% due 11/15/2031
 - 2,600 New Jersey EDA, Retirement Community Revenue Bonds (Seabrook Vil Series A, 8.25% due 11/15/2030
 - 1,965 New Jersey EDA, School Facilities Construction Revenue Bonds, Se due 3/01/2030
 - 1,000 New Jersey EDA, Special Facility Revenue Bonds (Continental Airl AMT, 6.625% due 9/15/2012
 - 2,950 New Jersey EDA, Special Facility Revenue Bonds (Continental Airl AMT, 6.25% due 9/15/2029
 - 3,325 New Jersey Health Care Facilities Financing Authority Revenue Bo

Hospital), 6% due 7/01/2026

- 3,500 New Jersey State Turnpike Authority, Turnpike Revenue Bonds, Ser 1/01/2030 (e)
- 2,315 Tobacco Settlement Financing Corporation of New Jersey, Asset-Ba 7% due 6/01/2041
- New Mexico 2.7% 2,000 Farmington, New Mexico, PCR, Refunding (Public Service Company of San Juan Project), Series A, 6.30% due 12/01/2016
 - 3,720 New Mexico Finance Authority, Senior Lien State Transportation F Series A, 5.125% due 6/15/2018 (h)
- New York 15.3% 1,185 Dutchess County, New York, IDA, Civic Facility Revenue Refunding Francis Hospital), Series A, 7.50% due 3/01/2029
 - 535 New York City, New York, City IDA, Civic Facility Revenue Bonds, due 6/01/2028
 - 725 New York City, New York, City IDA, Special Facility Revenue Bond Airlines Inc. Project), AMT, 8% due 11/01/2012
 - 725 New York City, New York, City IDA, Special Facility Revenue Bond Airlines Inc. Project), AMT, 8.375% due 11/01/2016
 - 2,120 New York City, New York, Sales Tax Asset Receivable Corporation DRIVERS, Series 1133Z, 6.621% due 10/15/2012 (b) (g)
 - 9,115 New York City, New York, Sales Tax Asset Receivable Corporation Series A, 5% due 10/15/2020 (h)
 - 3,680 New York State Dormitory Authority Revenue Bonds (School Distric Program), Series D, 5.25% due 10/01/2023 (h)
 - 3,150 Tobacco Settlement Financing Corporation of New York Revenue Bon 5.50% due 6/01/2018
 - 3,500 Tobacco Settlement Financing Corporation of New York Revenue Bon 5.50% due 6/01/2017
 - 3,800 Tobacco Settlement Financing Corporation of New York Revenue Bon 5.50% due 6/01/2020 (c)
 - 1,400 Tobacco Settlement Financing Corporation of New York Revenue Bon
 5.50% due 6/01/2022
 - 2,080 Westchester County, New York, IDA, Continuing Care Retirement, M Bonds (Kendal on Hudson Project), Series A, 6.50% due 1/01/2034
- Oklahoma 0.7% 200 Oklahoma State Industries Authority, Revenue Refunding Bonds (In VRDN, Series B, 3.66% due 8/15/2029 (f)(h)
 - 1,425 Tulsa, Oklahoma, Municipal Airport Trust Revenue Refunding Bonds AMT, Series A, 5.375% due 12/01/2035

Oregon - 0.9% 2,050 Western Generation Agency, Oregon, Cogeneration Project Revenue Cogeneration Project), AMT, Series B, 7.40% due 1/01/2016

Pennsylvania - 6.8%	1,700	Bucks County, Pennsylvania, IDA, Retirement Community Revenue Bo Choice Inc.), Series A, 6.25% due 1/01/2035
	3,500	Pennsylvania Economic Development Financing Authority, Exempt Fa Bonds (National Gypsum Company), AMT, Series B, 6.125% due 11/01
	725	Philadelphia, Pennsylvania, Authority for IDR, Commercial Develo due 12/01/2017
	2,500	Philadelphia, Pennsylvania, Authority for IDR, Commercial Develo Refunding, Series B, 6.50% due 2/01/2007 (i)
	1,105	Philadelphia, Pennsylvania, Authority for Industrial Development Revenue Bonds (Arbor House Inc. Project), Series E, 6.10% due 7/
	1,245	Philadelphia, Pennsylvania, Authority for Industrial Development Revenue Bonds (Saligman House Project), Series C, 6.10% due 7/01
	3,500	Sayre, Pennsylvania, Health Care Facilities Authority, Revenue E Healthcare System), Series B, 7.125% due 12/01/2031
Rhode Island - 1.4%	2,820	Rhode Island State Health and Educational Building Corporation, Revenue Bonds (Lifespan Obligation Group), 6.50% due 8/15/2012 (
South Carolina - 4.3%	3,020	Medical University Hospital Authority, South Carolina, Hospital Refunding Bonds, Series A, 6.375% due 8/15/2012 (i)
	5,800	South Carolina State Ports Authority, Ports Revenue Bonds, RIB, 6.67% due 7/01/2026 (e)(g)
Tennessee - 8.3%	4,280	Hardeman County, Tennessee, Correctional Facilities Corporation 7.75% due 8/01/2017
	1,845	Shelby County, Tennessee, Health, Educational and Housing Facili Revenue Refunding Bonds (Methodist Healthcare), 6.50% due 9/01/2
	2,730	Shelby County, Tennessee, Health, Educational and Housing Facili Revenue Refunding Bonds (Methodist Healthcare), 6.50% due 9/01/2
	3,400	Tennessee Educational Loan Revenue Bonds (Educational Funding Sc Senior Series B, 6.20% due 12/01/2021
	5,200	Tennessee Energy Acquisition Corporation, Gas Revenue Bonds, Ser 9/01/2026
Texas - 15.0%	4,000	Austin, Texas, Convention Center Revenue Bonds (Convention Enter Tier, Series A, 6.70% due 1/01/2028
	1,000	Brazos River Authority, Texas, PCR, Refunding (TXU Energy Compan Series B, 4.75% due 5/01/2029
	2,340	Brazos River Authority, Texas, Revenue Refunding Bonds (Reliant Series B, 7.75% due 12/01/2018
	3,655	Brazos River, Texas, Harbor Navigation District, Brazoria County Revenue Refunding Bonds (Dow Chemical Company Project), AMT, Ser

due 5/15/2033

- 3,450 Harris County, Texas, Revenue Refunding Bonds, DRIVERS, Series 1 8/15/2009 (e) (g)
- 2,430 Harris County, Texas, Revenue Refunding Bonds, DRIVERS, Series 1 due 8/15/2009 (e)(g)
- 1,800 Houston, Texas, Health Facilities Development Corporation, Retir Revenue Bonds (Buckingham Senior Living Community), Series A, 7.
- 3,000 Lower Colorado River Authority, Texas, PCR (Samsung Austin Semic 6.375% due 4/01/2027
- 1,485 Matagorda County, Texas, Navigation District Number 1, Revenue F (Reliant Energy Inc.), Series C, 8% due 5/01/2029
- 1,425 Port Corpus Christi, Texas, Individual Development Corporation, Facilities Revenue Bonds (Citgo Petroleum Corporation Project), 11/01/2031
- 4,455 Texas State Department of Housing and Community Affairs, Residen Revenue Bonds, AMT, Series A, 5.70% due 1/01/2033 (d)
- 2,785 Texas State Department of Housing and Community Affairs, Residen Revenue Refunding Bonds, AMT, Series B, 5.25% due 7/01/2022 (d)
- Vermont 1.1% 2,370 Vermont Educational and Health Buildings Financing Agency, Reven (Developmental and Mental Health), Series A, 6% due 6/15/2017
- Virginia 5.4% 1,150 Chesterfield County, Virginia, IDA, PCR (Virginia Electric and P Series A, 5.875% due 6/01/2017
 - 3,000 Fairfax County, Virginia, EDA, Resource Recovery Revenue Refundi Series A, 6.10% due 2/01/2011 (b)
 - 3,825 Pocahontas Parkway Association, Virginia, Toll Road Revenue Bond 5.50% due 8/15/2008 (i)
 - 1,500 Pocahontas Parkway Association, Virginia, Toll Road Revenue Bond 8.40% due 8/15/2008 (i) (m)
 - 300 Pocahontas Parkway Association, Virginia, Toll Road Revenue Bond 8.80% due 8/15/2008 (i) (m)
 - 3,035 Tobacco Settlement Financing Corporation of Virginia, Asset-Back 5.625% due 6/01/2037
- Washington 0.6% 1,365 Seattle, Washington, Housing Authority Revenue Bonds (Replacemen 6.125% due 12/01/2032
- Wisconsin 1.2% 825 Wisconsin State Health and Educational Facilities Authority Reve Castle Place Project), Series A, 7% due 12/01/2031
 - 1,755 Wisconsin State Health and Educational Facilities Authority Reve (Synergyhealth Inc.), 6% due 11/15/2032

Puerto Rico - 0.9% 2,060 Puerto Rico Industrial, Medical and Environmental Pollution Cont Financing Authority, Special Facilities Revenue Bonds (American Series A, 6.45% due 12/01/2025 U.S. Virgin 3,460 Virgin Islands Government Refinery Facilities, Revenue Refunding Islands - 1.7% (Hovensa Coker Project), AMT, 6.50% due 7/01/2021 Total Municipal Bonds (Cost - \$326,989) - 153.0% Shares Held Short-Term Securities 9 Merrill Lynch Institutional Tax-Exempt Fund, 3.45% (j)(1) Total Short-Term Securities (Cost - \$9) - 0.0% Total Investments (Cost - \$326,998*) - 153.0% Other Assets Less Liabilities - 2.7% Preferred Stock, at Redemption Value - (55.7%) Net Assets Applicable to Common Stock - 100.0%

* The cost and unrealized appreciation (depreciation) of investments as of July 31, 2006, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 326,998
Gross unrealized appreciation	\$ 17,801
Gross unrealized depreciation	(1,271)
Net unrealized appreciation	\$ 16,530

- (a) ACA Insured.
- (b) AMBAC Insured.
- (c) FGIC Insured.
- (d) FNMA/GNMA Collateralized.
- (e) FSA Insured.
- (f) 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 shortterm security. The rate disclosed is that currently in effect. This rate changes periodically based upon prevailing market rates.
- (g) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.
- (h) MBIA Insured.

- (i) Prerefunded.
- (j) Represents the current yield as of July 31, 2006.

* Amount is less than \$1,000.

- (k) XL Capital Insured.
- (1) 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	Dividend
Affiliate	Activity	Income
Merrill Lynch Institutional Tax-Exempt Fund		*

- (m) Represents a zero coupon bond, the interest rate shown reflects the effective yield at the time of purchase.
- 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.

MuniHoldings Fund, Inc.

By: /s/ Robert C. Doll, Jr. Robert C. Doll, Jr. Chief Executive Officer MuniHoldings Fund, Inc. Date: September 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 MuniHoldings Fund, Inc.

Date: September 20, 2006

By: /s/ Donald C. Burke ------Donald C. Burke Chief Financial Officer MuniHoldings Fund, Inc.

Date: September 20, 2006