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BLACKROCK MUNIHOLDINGS FUND INC

Form N-Q

September 26, 2007

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 811-08081

Name of Fund: BlackRock 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 (principal executive officer), BlackRock 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: (800) 882-0052

Date of fiscal year end: 04/30/2008

Date of reporting period: 05/01/2007 - 07/31/2007

Item 1 - Schedule of Investments

BlackRock MuniHoldings Fund, Inc.

Schedule of Investments as of July 31, 2007 (Unaudited)

State	Face Amount	Municipal Bonds
Alabama - 4.2%	\$ 1,590	Birmingham, Alabama, Special Care Facilities Financing Authority Refunding Bonds (Ascension Health Credit), Series C-2, 5% due 11/15/2039
	1,160	Birmingham, Alabama, Special Care Facilities Financing Authority Revenue Refunding Bonds (Ascension Health Credit), Series C-2, 5% due 11/15/2039
	1,750	Camden, Alabama, IDB, Exempt Facilities Revenue Bonds (Weyerhaeuser Company), Series A, 6.125% due 12/01/2024
	4,550	Jefferson County, Alabama, Limited Obligation School Warrant Revenue Bonds, Series A, 5% due 1/01/2024
Arizona - 3.1%	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
	2,215	Phoenix, Arizona, IDA, Airport Facility, Revenue Refunding Bonds (West Airlines Inc. Project), AMT, 6.30% due 4/01/2023
	1,000	Pinal County, Arizona, COP, 5% due 12/01/2029
	510	Show Low, Arizona, Improvement District Number 5, Special Assessment Bonds, Series A, 6.375% due 1/01/2015

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Arkansas - 0.9%	2,000	University of Arkansas, University Construction Revenue Bond Series B, 5% due 11/01/2023 (h)
California - 19.9%	875	Agua Caliente Band of Cahuilla Indians, California, Casino R due 7/01/2013
	5,700	California Health Facilities Financing Authority Revenue Bon Series A, 5.25% due 11/15/2046
	2,965	California Infrastructure and Economic Development Bank, Ins (Rand Corporation), Series A, 5.50% due 4/01/2032 (b)
	2,500	California State, GO, 5.50% due 4/01/2014 (i)
	3,955	California State, GO, Refunding, 5% due 6/01/2032
	6,800	California State Public Works Board, Lease Revenue Bonds (De Corrections), Series C, 5.25% due 6/01/2028
	3,870	California Statewide Communities Development Authority, Heal Bonds (Memorial Health Services), Series A, 6% due 10/01/202
	2,000	East Side Union High School District, California, Santa Clar of 2002), Series D, 5% due 8/01/2021 (k)
	1,165	Golden State Tobacco Securitization Corporation of Californi Revenue Bonds, Series A-3, 7.875% due 6/01/2013 (i)

### Portfolio Abbreviations

To simplify the listings of BlackRock 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
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
VRDN	Variable Rate Demand Notes

BlackRock MuniHoldings Fund, Inc.

Schedule of Investments as of July 31, 2007 (Unaudited) (concluded)

State	Face Amount	Municipal Bonds
California (concluded)	\$ 915	Golden State Tobacco Securitization Corporation of Californi Settlement Revenue Refunding Bonds, Senior Series A-1, 5.125
	2,405	Montebello, California, Unified School District, GO, 5.61% d
	2,455	Montebello, California, Unified School District, GO, 5.61% d
	2,095	Oceanside, California, Unified School District, GO (Election Series C, 5.25% due 8/01/2032 (h)
	3,490	Sequoia, California, Unified High School District, GO, Refun

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		5.50% due 7/01/2035 (e)
	1,000	Sunnyvale, California, School District, GO (Election of 2004 due 9/01/2026 (e))
	2,915	Tustin, California, Unified School District, Senior Lien Special Assessment Bonds (Community Facilities District Number 97-1), Series A, 5% due 9/01/2032 (e)
Colorado - 1.7%	2,645	Elk Valley, Colorado, Public Improvement Revenue Bonds (Public Improvement Fees), Series A, 7.35% due 9/01/2031
	1,000	Plaza Metropolitan District Number 1, Colorado, Tax Allocation Bonds (Public Improvement Fees), 8.125% due 12/01/2025
Connecticut - 2.4%	2,165	Connecticut State Development Authority, Airport Facility Revenue Bonds (Learjet Inc. Project), AMT, 7.95% due 4/01/2026
	2,735	Connecticut State Development Authority, IDR (AFCO Cargo BDL), 8% due 4/01/2030
Florida - 8.1%	2,900	Highlands County, Florida, Health Facilities Authority, Hospital Revenue Bonds (Adventist Health System), Series G, 5.125% due 12/01/2032 (i)
	2,340	Miami-Dade County, Florida, Subordinate Special Obligation Revenue Bonds, Series A, 5.24% due 10/01/2037 (h) (m)
	2,250	Midtown Miami, Florida, Community Development District, Special Assessment Bonds, Series A, 6.25% due 5/01/2037
	2,550	Midtown Miami, Florida, Community Development District, Special Assessment Bonds, Series B, 6.50% due 5/01/2037
	3,225	Orange County, Florida, Health Facilities Authority, Hospital Revenue Bonds (Orlando Regional Healthcare), 6% due 12/01/2012 (i)
	2,095	Orlando, Florida, Greater Orlando Aviation Authority, Airport Revenue Bonds (JetBlue Airways Corp.), AMT, 6.50% due 11/15/2033
	800	Orlando, Florida, Urban Community Development District, Capital Improvement Bonds, Series A, 6.95% due 5/01/2033
	725	Palm Coast Park Community Development District, Florida, Special Assessment Bonds, 5.70% due 5/01/2037
	1,615	Preserve at Wilderness Lake, Florida, Community Development Capital Improvement Bonds, Series A, 5.90% due 5/01/2034
	1,000	Tern Bay Community Development District, Florida, Capital Improvement Revenue Refunding Bonds, Series A, 5.375% due 5/01/2037
Georgia - 0.9%	1,750	Atlanta, Georgia, Tax Allocation Bonds (Atlantic Station Project), 7.90% due 12/01/2024
Illinois - 3.0%	1,200	Chicago, Illinois, Special Assessment Bonds (Lake Shore East Side), 5.35% due 12/01/2032
	4,000	Illinois HDA, Homeowner Mortgage Revenue Bonds, AMT, Sub-Series A, 5.35% due 2/01/2027
	700	Illinois State Finance Authority Revenue Bonds (Landing At Peoria Project), Series A, 6% due 5/15/2025
	625	Naperville, Illinois, IDR (General Motors Corporation), Refunding Bonds, 6% due 12/01/2012 (f)
Indiana - 2.6%	8,325	Allen County, Indiana, Redevelopment District Tax Incremental Bonds (General Motors Development Area), 7% due 5/15/2008 (i)
Kentucky - 0.9%	2,000	Louisville and Jefferson Counties, Kentucky, Metropolitan Sewerage and Drain System Revenue Bonds, Series A, 5.50% due 5/15/2033
Louisiana - 4.3%	4,115	Louisiana Public Facilities Authority, Hospital Revenue Bonds (Missionaries of Our Lady Health System, Inc.), Series A, 5.25% due 12/01/2032 (i)
	1,750	New Orleans, Louisiana, Financing Authority Revenue Bonds (Xavier University of Louisiana Project), 5.30% due 6/01/2026 (h)
	3,540	New Orleans, Louisiana, GO (Public Improvements), 5% due 10/01/2030

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Maryland - 3.5%	1,870	Anne Arundel County, Maryland, Special Obligation Revenue Bonds (Project), 7.10% due 7/01/2009 (i)
	1,100	Baltimore, Maryland, Wastewater Project Revenue Bonds, Series A, 7.0% due 7/01/2037 (b)
	1,760	Maryland State Economic Development Corporation, Student Housing (University of Maryland College Park Project), 6.0% due 6/01/2030 (c)
	2,750	Maryland State Energy Financing Administration, Limited Obligation Revenue Bonds (Cogeneration-AES Warrior Run), AMT, 7.40% due 7/01/2030 (d)
Massachusetts - 3.6%	2,900	Massachusetts State, HFA, Housing Revenue Bonds, AMT, Series A, 5.0% due 12/01/2048
	5,000	Massachusetts State School Building Authority, Dedicated Sales Tax Revenue Bonds, Series A, 5% due 8/15/2030 (e)
Michigan - 2.6%	1,400	Flint, Michigan, Hospital Building Authority, Revenue Refunding Bonds (Medical Center), Series A, 6% due 7/01/2020 (a)
	3,000	Michigan State Strategic Fund, Limited Obligation Revenue Bonds (Edison Company Pollution Control Project), AMT, Series B, 5.0% due 7/01/2030 (b)
	1,300	Michigan State Strategic Fund, PCR (General Motors Corporation VRDN), 7% due 12/01/2008 (f)
Minnesota - 1.7%	3,500	Minneapolis, Minnesota, Community Development Agency, Supportive Housing Development Revenue Refunding Bonds, Series G-3, 5.45% due 12/01/2030 (g)
Mississippi - 5.4%	7,675	Claiborne County, Mississippi, PCR, Refunding (System Energy Project), 6.20% due 2/01/2026
	2,500	Mississippi Business Finance Corporation, Mississippi, PCR, (System Energy Resources Inc. Project), 5.90% due 5/01/2022
	1,000	Mississippi Development Bank, Special Obligation Revenue Refunding Bonds (Gulfport Water and Sewer System Project), 5.25% due 7/01/2030 (h)
	810	Mississippi Development Bank, Special Obligation Revenue Refunding Bonds (Gulfport Water and Sewer System Project), 5.25% due 7/01/2030 (h)
Missouri - 1.4%	1,915	Fenton, Missouri, Tax Increment Revenue Refunding and Improvement Bonds (Bluffs), 7% due 10/01/2011 (i)
	1,000	Missouri State Development Finance Board, Infrastructure Financing Refunding Bonds (Branson), Series A, 5.50% due 12/01/2032
New Jersey - 12.9%	5,385	New Jersey EDA, Cigarette Tax Revenue Bonds, 5.75% due 6/15/2030 (a)
	2,280	New Jersey EDA, Cigarette Tax Revenue Bonds, 5.75% due 6/15/2030 (a)
	1,475	New Jersey EDA, Retirement Community Revenue Bonds (Cedar Creek Facility), Series A, 7.25% due 11/15/2011 (i)
	2,600	New Jersey EDA, Retirement Community Revenue Bonds (Seabrook Station), Series A, 8.25% due 11/15/2010 (i)
	1,965	New Jersey EDA, School Facilities Construction Revenue Bonds (Seabrook Station), 5.125% due 3/01/2030
	1,000	New Jersey EDA, Special Facility Revenue Bonds (Continental Station), AMT, 6.625% due 9/15/2012
	2,950	New Jersey EDA, Special Facility Revenue Bonds (Continental Station), AMT, 6.25% due 9/15/2029
	3,325	New Jersey Health Care Facilities Financing Authority Revenue Bonds (St. Joseph's Hospital), 6% due 7/01/2012 (i)
	3,500	New Jersey State Turnpike Authority, Turnpike Revenue Bonds, Series A, 5.0% due 1/01/2030 (e)
	2,315	Tobacco Settlement Financing Corporation of New Jersey, Asset Backed Revenue Bonds, 7% due 6/01/2013 (i)
	New Mexico - 2.7%	2,000
3,720		New Mexico Finance Authority, Senior Lien State Transportation Revenue Bonds, Series A, 5.125% due 6/15/2018 (h)

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New York - 14.1%	1,155	Dutchess County, New York, IDA, Civic Facility Revenue Refund (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 Bonds (Airlines Inc. Project), AMT, 8% due 11/01/2012	
	725	New York City, New York, City IDA, Special Facility Revenue Bonds (Airlines Inc. Project), AMT, 8.375% due 11/01/2016	
	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 District Program), Series D, 5.25% due 10/01/2023 (h)	
	3,150	Tobacco Settlement Financing Corporation of New York Revenue Bonds 5.50% due 6/01/2018	
	3,500	Tobacco Settlement Financing Corporation of New York Revenue Bonds 5.50% due 6/01/2017	
	3,800	Tobacco Settlement Financing Corporation of New York Revenue Bonds 5.50% due 6/01/2020 (c)	
	1,400	Tobacco Settlement Financing Corporation of New York Revenue Bonds 5.50% due 6/01/2022	
	2,080	Westchester County, New York, IDA, Continuing Care Retirement Bonds (Kendal on Hudson Project), Series A, 6.50% due 1/01/2024	
	Oklahoma - 0.8%	1,815	Oklahoma State Development Finance Authority, Revenue Refund Bonds (Health System), 5% due 2/15/2042
	Pennsylvania - 5.7%	1,700	Bucks County, Pennsylvania, IDA, Retirement Community Revenue Bonds (Inc.), Series A, 6.25% due 1/01/2035
3,500		Pennsylvania Economic Development Financing Authority, Exempt Revenue Bonds (National Gypsum Company), AMT, Series B, 6.125% due 12/01/2017	
725		Philadelphia, Pennsylvania, Authority for IDR, Commercial Debt 12/01/2017	
1,105		Philadelphia, Pennsylvania, Authority for Industrial Development Revenue Bonds (Arbor House Inc. Project), Series E, 6.10% due 12/01/2017	
1,245		Philadelphia, Pennsylvania, Authority for Industrial Development Revenue Bonds (Saligman House Project), Series C, 6.10% due 12/01/2017	
3,500		Sayre, Pennsylvania, Health Care Facilities Authority, Revenue Bonds (Healthcare System), Series B, 7.125% due 12/01/2011 (i)	
Rhode Island - 1.4%	2,820	Rhode Island State Health and Educational Building Corporation Revenue Bonds (Lifespan Obligation Group), 6.50% due 8/15/2024	
South Carolina - 1.5%	3,020	Medical University Hospital Authority, South Carolina, Hospital Refunding Bonds, Series A, 6.375% due 8/15/2012 (i)	
South Dakota - 0.8%	1,825	South Dakota State Health and Educational Facilities Authority (Sanford Health), 5% due 11/01/2040	
Tennessee - 8.0%	1,900	Clarksville, Tennessee, Public Building Authority Revenue Bonds (Tennessee Municipal Bond Fund), VRDN, 3.64% due 11/01/2035	
	4,030	Hardeman County, Tennessee, Correctional Facilities Corporation Revenue Bonds 7.75% due 8/01/2017	
	4,575	Shelby County, Tennessee, Health, Educational and Housing Facilities Authority Revenue Refunding Bonds (Methodist Healthcare), 6.50% due 9/01/2024	
	3,500	Shelby County, Tennessee, Health, Educational and Housing Facilities Authority Revenue Refunding Bonds (Saint Jude Children's Research Hospital), 6.50% due 9/01/2024	
	3,160	Tennessee Educational Loan Revenue Bonds (Educational Funding Authority Senior Series B, 6.20% due 12/01/2021	
Texas - 13.4%	4,000	Austin, Texas, Convention Center Revenue Bonds (Convention Center First Tier, Series A, 6.70% due 1/01/2011 (i)	

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	100	Bell County, Texas, Health Facilities Development Corporation Bonds (Scott & White Memorial Hospital), VRDN, Series 2001-28/15/2031 (f) (h)
	2,340	Brazos River Authority, Texas, Revenue Refunding Bonds (Reliant Project), 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, due 5/15/2033
	1,800	Houston, Texas, Health Facilities Development Corporation, Revenue Bonds (Buckingham Senior Living Community), Series A
	3,000	Lower Colorado River Authority, Texas, PCR (Samsung Austin Service Center), AMT, 6.375% due 4/01/2027
	1,485	Matagorda County, Texas, Navigation District Number 1, Revenue Bonds (Reliant Energy Inc.), Series C, 8% due 5/01/2029
	1,425	Port Corpus Christi, Texas, Individual Development Corporation Revenue Bonds (Citgo Petroleum Corporation Project), due 11/01/2031
	2,425	SA Energy Acquisition Public Facilities Corporation, Texas, Revenue Bonds, 5.50% due 8/01/2023
	1,100	SA Energy Acquisition Public Facilities Corporation, Texas, Revenue Bonds, 5.50% due 8/01/2024
	1,120	SA Energy Acquisition Public Facilities Corporation, Texas, Revenue Bonds, 5.50% due 8/01/2025
	3,225	Texas State Department of Housing and Community Affairs, Revenue Bonds, AMT, Series A, 5.70% due 1/01/2033 (d)
	2,770	Texas State Department of Housing and Community Affairs, Revenue Refunding Bonds, AMT, Series B, 5.25% due 7/01/2022
Vermont - 1.1%	2,370	Vermont Educational and Health Buildings Financing Agency, Revenue Bonds (Developmental and Mental Health), Series A, 6% due 6/01/2031
Virginia - 3.7%	1,150	Chesterfield County, Virginia, IDA, PCR (Virginia Electric and Power), Series A, 5.875% due 6/01/2017
	3,000	Fairfax County, Virginia, EDA, Resource Recovery Revenue Refunding Bonds, Series A, 6.10% due 2/01/2011 (b)
	1,500	Pocahontas Parkway Association, Virginia, Toll Road Revenue Bonds, Series B, 8.40% due 8/15/2008 (i) (m)
	300	Pocahontas Parkway Association, Virginia, Toll Road Revenue Bonds, Series B, 8.80% due 8/15/2008 (i) (m)
	3,035	Tobacco Settlement Financing Corporation of Virginia, Asset-Backed Bonds, 5.625% due 6/01/2015 (i)
Washington - 0.6%	1,360	Seattle, Washington, Housing Authority Revenue Bonds (Replacement Project), 6.125% due 12/01/2032
Wisconsin - 1.2%	825	Wisconsin State Health and Educational Facilities Authority (Castle Place Project), Series A, 7% due 12/01/2031
	1,755	Wisconsin State Health and Educational Facilities Authority (SynergyHealth Inc.), 6% due 11/15/2032
Puerto Rico - 3.4%	2,680	Puerto Rico Commonwealth Highway and Transportation Authority Revenue Refunding Bonds, Series N, 5.25% due 7/01/2036 (n)
	2,060	Puerto Rico Industrial, Medical and Environmental Pollution Financing Authority, Special Facilities Revenue Bonds (American Express), Series A, 6.45% due 12/01/2025
	19,235	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, Series A, 5.06% due 8/01/2047 (b) (m)
U.S. Virgin Islands - 1.7%	3,460	Virgin Islands Government Refinery Facilities, Revenue Refunding Bonds (Coker Project), AMT, 6.50% due 7/01/2021
		Total Municipal Bonds (Cost - \$306,720) - 143.2%

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Municipal Bonds Held in Trust (g)		
California - 3.2%	6,810	California Pollution Control Financing Authority, PCR, Refund and Electric), AMT, Series A, 5.35% due 12/01/2016 (h)
Maryland - 5.1%	10,835	Baltimore, Maryland, Convention Center Hotel Revenue Bonds, 5.25% due 9/01/2039 (k)
New York - 2.0%	4,240	New York City, New York, Sales Tax Asset Receivable Corporation Series A, 5.25% due 10/15/2027 (b)
South Carolina - 5.3%	11,600	South Carolina State Ports Authority, Ports Revenue Bonds, A 7/01/2026 (e)
Texas - 5.4%	11,760	Harris County, Texas, Toll Road Revenue Refunding Bonds, Series A, 5.25% due 8/15/2035 (e)
Total Municipal Bonds Held in Trust (Cost - \$47,598) - 21.0%		

Shares Held	Short-Term Securities
9	Merrill Lynch Institutional Tax-Exempt Fund, 3.47% (j) (1)
Total Short-Term Securities (Cost - \$9) - 0.0%	
Total Investments (Cost - \$354,327*) - 164.2%	
Other Assets Less Liabilities - 1.8%	
Liability for Trust Certificates, Including Interest Expense on Preferred Stock, at Redemption Value - (55.8%)	
Net Assets Applicable to Common Stock - 100.0%	

\* The cost and unrealized appreciation (depreciation) of investments as of July 31, 2007, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 331,711
	=====
Gross unrealized appreciation	\$ 15,205
Gross unrealized depreciation	(1,344)
	-----
Net unrealized appreciation	\$ 13,861
	=====

- (a) ACA Insured.
- (b) AMBAC Insured.
- (c) FGIC Insured.

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- (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 short-term security. The rate disclosed is that currently in effect. This rate changes periodically based upon prevailing market rates.
- (g) Securities represent underlying bonds transferred to a separate securitization trust established in a tender option bond transaction in which the Fund may have acquired the residual interest certificates. These securities serve as collateral in a financing transaction.
- (h) MBIA Insured.
- (i) Prerefunded.
- (j) 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	Dividend Income
Merrill Lynch Institutional Tax-Exempt Fund	-	++

++ Amount is less than \$1,000.

- (k) XL Capital Insured.
- (l) Represents the current yield as of July 31, 2007.
- (m) Represents a zero coupon bond; the interest rate shown reflects the effective yield at the time of purchase.
- (n) Assured Guaranty Insured.
  - o Forward interest rate swaps outstanding as of July 31, 2007 were as follows:

	Notional Amount	Unrealized Depreciation
Receive a fixed rate of 5.39% and pay a floating rate based on 3-month LIBOR		
Broker, Deutsche Bank AG London Expires August 2017	\$12,085	\$ (64)

Item 2 - Controls and Procedures

- 2(a) - The registrant's principal executive and principal financial officers or persons performing similar functions have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended

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(the "1940 Act") are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities and Exchange Act of 1934, as amended.

2(b) - There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d)) that occurred during the registrant's last fiscal quarter that have materially affected, or are 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.

BlackRock MuniHoldings Fund, Inc.

By: /s/ Robert C. Doll, Jr.  
-----  
Robert C. Doll, Jr.,  
Chief Executive Officer (principal executive officer) of  
BlackRock MuniHoldings Fund, Inc.

Date: September 20, 2007

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 (principal executive officer) of  
BlackRock MuniHoldings Fund, Inc.

Date: September 20, 2007

By: /s/ Donald C. Burke  
-----  
Donald C. Burke,  
Chief Financial Officer (principal financial officer) of  
BlackRock MuniHoldings Fund, Inc.

Date: September 20, 2007