MUNIVEST FUND INC Form N-Q July 26, 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 811-5611

Name of Fund: MuniVest 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, MuniVest 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: 08/31/05

Date of reporting period: 03/01/05 - 05/31/05

Item 1 - Schedule of Investments

MuniVest Fund, Inc.

Schedule of Investments as of May 31, 2005 (in Thousands)

State	Face Amount	Municipal Bonds
Alabama - 4.0%	\$ 2,550	Camden, Alabama, IDB, Exempt Facilities Revenue Bonds (We Series A, 6.125% due 12/01/2024
	7,500	Courtland, Alabama, IDB, Solid Waste Disposal Revenue Bon International Corporation Project), AMT, Series A, 6.50% Huntsville, Alabama, Health Care Authority Revenue Bonds:
	3,500	Series A, 5.75% due 6/01/2031
	5,000	Series B, 5.75% due 6/01/2032
	5,000	Selma, Alabama, IDB, Environmental Improvement Revenue Re (International Paper Company Project), Series B, 5.50% du
Alaska - 2.9%	7,405	Anchorage, Alaska, Lease Revenue Bonds (Correctional Faci due 2/01/2010 (a)(i)
	9,500	Valdez, Alaska, Marine Terminal Revenue Refunding Bonds ( Project), VRDN, Series B, 2.98% due 7/01/2037 (1)
Arizona - 1.6%	4,375	Maricopa County, Arizona, IDA, Education Revenue Bonds (A Project 1), Series A, 6.75% due 7/01/2029 Pima County, Arizona, IDA, Education Revenue Bonds (Arizo

Project):

	2,100 500 1,000 1,610	Series E, 7.25% due 7/01/2031 Series I, 6.10% due 7/01/2024 Series I, 6.30% due 7/01/2031 Pima County, Arizona, IDA, Education Revenue Refunding Bo Schools Project II), Series A, 6.75% due 7/01/2021
California - 19.8%		California State Public Works Board, Lease Revenue Bonds:
	5,000	(Department of Corrections), Series C, 5.50% due 6/01
	6,000	(Department of Corrections), Series C, 5.50% due 6/01
	10 <b>,</b> 775	(Department of Mental Health - Coalinga State Hospita due 6/01/2029
		California State, Various Purpose, GO:
	13,570	5.50% due 4/01/2030
	16,250	5.50% due 11/01/2033

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#### Portfolio Abbreviations

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To simplify the listings of MuniVest 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.

Alternative Minimum Tax (subject to)		
Derivative Inverse Tax-Exempt Receipts		
Economic Development Authority		
General Obligation Bonds		
Housing Development Authority		
Housing Finance Agency		
Industrial Development Authority		
Industrial Development Board		
Industrial Development Revenue Bonds		
Multi-Family		
Pollution Control Revenue Bonds		
Residual Interest Bonds		
Residual Interest Trust Receipts		
Single-Family		
Variable Rate Demand Notes		

MuniVest Fund, Inc.

Schedule of Investments as of May 31, 2005

State Amou	ace unt M	Municipal Bonds
\$ 5,2	240 (	California Statewide Communities Development Authority, H
Ų 3,2		Bonds (Memorial Health Services), Series A, 6% due 10/01/
		Golden State Tobacco Securitization Corporation of Califo
		Settlement Revenue Bonds:
7,2	280	Series A-3, 7.875% due 6/01/2042
3,	750	Series A-4, 7.80% due 6/01/2042
1,4	125	Series A-5, 7.875% due 6/01/2042
13,9	900	Series B, 5.375% due 6/01/2028
8,8	350	Series B, 5.50% due 6/01/2033
15,0	000	Series B, 5.50% due 6/01/2033 (f)

	5,000	Series B, 5.50% due 6/01/2043 (f)
Colorado - 2.5%	9 <b>,</b> 915	Arapahoe County, Colorado, School District Number 005, GO due 12/15/2009 (a) Colorado HFA, Revenue Refunding Bonds (S/F Program), AMT,
	1,040	6.60% due 5/01/2028
	310	7.50% due 4/01/2031
	3,000	Colorado Health Facilities Authority Revenue Bonds (Luthe Series A, 5.25% due 6/01/2034
Connecticut - 0.5%	2,810	Mohegan Tribe Indians Gaming Authority, Connecticut, Publ Revenue Refunding Bonds (Priority Distribution), 6.25% du
Florida - 2.8%	6,000	Highlands County, Florida, Health Facilities Authority, H (Adventist Health System), Series D, 5.375% due 11/15/203
	10,320	Orange County, Florida, Health Facilities Authority, Hosp (Adventist Health System), 5.625% due 11/15/2032
Georgia - 3.0%		Georgia Municipal Electric Authority, Power Revenue Refun
	4,600	Series W, 6.60% due 1/01/2018
	250	Series W, 6.60% due 1/01/2018 (e)
	250	Series Y,10% due 1/01/2010 (e) Milledgeville-Baldwin County, Georgia, Development Author (Georgia College and State University Foundation):
	4,390	5.50% due 9/01/2024
	2,000	5.625% due 9/01/2030
	4,785	Monroe County, Georgia, Development Authority, PCR, Refun Corporation-Scherer), Series A, 6.80% due 1/01/2011
Idaho - 0.1%	915	Idaho Housing Agency, S/F Mortgage Revenue Refunding Bond 6.90% due 1/01/2027
Illinois - 19.3%	5,000	Chicago, Illinois, O'Hare International Airport, General Refunding Bonds, Third Lien, AMT, Series A, 5.75% due 1/0 Chicago, Illinois, O'Hare International Airport Revenue B
	11,200 8,540	3rd Lien, Series B-2, 6% due 1/01/2029 (n) Series 368, DRIVERS, 8.684% due 7/01/2011 (c)(m)

MuniVest Fund, Inc. Schedule of Investments as of May 31, 2005

State	Face Amount	Municipal Bonds
	\$ 7,000	Chicago, Illinois, O'Hare International Airport, Revenue DRIVERS, AMT, Series 253, 8.19% due 1/01/2020 (c)(m)
	130	Chicago, Illinois, S/F Mortgage Revenue Bonds, AMT, Serie due 3/01/2032 (b)(d)(k)
	10,000	Hodgkins, Illinois, Environmental Improvement Revenue Bon Management LLC Project), AMT, 6% due 11/01/2023
	2,140	Illinois Development Finance Authority Revenue Bonds (Com Providers Facilities), Series A, 6.50% due 7/01/2022
	1,365	Illinois Development Finance Authority, Revenue Refunding Rehabilitation Providers Facilities), Series A, 6% due 7/
	1,685	Illinois HDA Revenue Refunding Bonds (M/F Program), Serie due 9/01/2023

	600	Illinois State Finance Authority Revenue Bonds (Northwest Sub-Series A, 2.90% due 12/01/2034 (1)
	5,245	Kane and De Kalb Counties, Illinois, Community Unit Schoo GO, DRIVERS, Series 283, 8.22% due 2/01/2018 (f) (m) McLean and Woodford Counties, Illinois, Community Unit, S
		005, GO, Refunding (i):
	5,000	6.25% due 12/01/2014
	4,000	6.375% due 12/01/2016
	-,	Metropolitan Pier and Exposition Authority, Illinois, Ded
		Capital Appreciation Revenue Bonds (McCormick Place Expan
		Series A (c):
	16,000	5.05%** due 12/15/2038
	43,550	5.154%** due 12/15/2039
	18,550	Metropolitan Pier and Exposition Authority, Illinois, Ded
		Revenue Refunding Bonds (McCormick Place Expansion Projec
		due 6/15/2023 (c)
		Regional Transportation Authority, Illinois, Revenue Bond
	3 <b>,</b> 500	Series A, 7.20% due 11/01/2020 (h)
	4,000	Series C, 7.75% due 6/01/2020 (f)
	3,000	Will County, Illinois, Environmental Revenue Bonds (Mobil
		Corporation Project), AMT, 6.40% due 4/01/2026
		Will County, Illinois, School District Number 122 (New Le
	4.75	Series A (i):
	1,475	6.50% due 11/01/2010 (a)
	505	6.50% due 11/01/2013
	395 	6.50% due 11/01/2015
Indiana - 6.6%	1,700	Fort Wayne, Indiana, PCR, Refunding (General Motors Corpodue 10/15/2025
	6,500	Indiana Health Facility Financing Authority, Hospital Rev
		(Clarian Health Partners Inc.), Series A, 6% due 2/15/202
	4,290	Indiana State HFA, S/F Mortgage Revenue Refunding Bonds,
		due 1/01/2017 (j)
	8,195	Indiana Transportation Finance Authority, Highway Revenue
		6.80% due 12/01/2016
	15,335	Indianapolis, Indiana, Local Public Improvement Bond, Ban Bonds, Series D, 6.75% due 2/01/2014 (e)

MuniVest Fund, Inc. Schedule of Investments as of May 31, 2005

State	Face Amount	Municipal Bonds
Kansas - 0.6%	\$ 3,805	Sedgwick and Shawnee Counties, Kansas, S/F Mortgage Reven Backed Securities Program), AMT, Series A-4, 5.95% due 12
Louisiana - 2.5%	4,000 10,575	De Soto Parish, Louisiana, Environmental Improvement Reve (International Paper Co. Project), AMT, Series B, 6.55% d Louisiana Local Government, Environmental Facilities, Com Authority Revenue Bonds (Capital Projects and Equipment A 6.30% due 7/01/2030 (h)
Maine - 0.3%	775	Portland, Maine, Housing Development Corporation, Senior (Avesta Housing Development Corporation Project), Series 5.70% due 8/01/2021

	1,190	6% due 2/01/2034
Massachusetts - 7.6%	2,035	Boston, Massachusetts, Water and Sewer Commission Revenue due 1/01/2011 (e)
	3,010	Massachusetts Bay Transportation Authority Revenue Refund Transportation System), Series A, 7% due 3/01/2019
	30,000	Massachusetts State Water Resource Authority Revenue Bond due 7/15/2019
	3,480	Massachusetts State Water Resource Authority, Revenue Ref Series A, 6% due 8/01/2010 (a)(f)
Michigan - 3.5%	7,695	Delta County, Michigan, Economic Development Corporation, Improvement Revenue Refunding Bonds (Mead Westvaco-Escana due 4/15/2012 (a)
		Macomb County, Michigan, Hospital Finance Authority, Hosp (Mount Clemens General Hospital), Series B:
	3,715	5.75% due 11/15/2025
	5,250	5.875% due 11/15/2034
	1,900	Michigan State Hospital Finance Authority, Hospital Reven (Crittenton Hospital), Series A, 5.625% due 3/01/2027 Michigan State Hospital Finance Authority, Revenue Refund
	390 1,000	(Ascension Health Credit), Series A, 6.125% due 11/15 (Sinai Hospital), 6.70% due 1/01/2026
Minnesota - 1.5%	7,235	Minneapolis, Minnesota, Health Care System Revenue Bonds Series A, 5.75% due 11/15/2032
	1,405	Saint Cloud, Minnesota, Health Care Revenue Refunding Bon Hospital Obligation Group), Series A, 6.25% due 5/01/2017
Mississippi - 4.9%		Lowndes County, Mississippi, Solid Waste Disposal and PCR (Weyerhaeuser Company Project):
	3,710	Series A, 6.80% due 4/01/2022
	4,000	Series B, 6.70% due 4/01/2022
	20,705	Mississippi Business Finance Corporation, Mississippi, PC Energy Resources Inc. Project), 5.875% due 4/01/2022

MuniVest Fund, Inc.

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State	Face Amount	Municipal Bonds
Missouri - 0.5%	\$ 2,600	Missouri State Development Finance Board, Infrastructure Refunding Bonds (Branson), Series A, 5.50% due 12/01/2032
	315	Missouri State Housing Development Commission, S/F Mortga (Homeowner Loan), AMT, Series A, 7.50% due 3/01/2031 (b) (
Montana - 1.0%	6,000	Forsyth, Montana, PCR, Refunding (Portland General Electr Series A, 5.20% due 5/01/2033
Nebraska - 0.1%	810	Nebraska Investment Finance Authority, S/F Housing Revenu Series C, 6.30% due 9/01/2028 (b)(d)(k)
Nevada - 1.9%	6,700	Clark County, Nevada, IDR (Power Company Project), AMT, S due 6/01/2022 (f) Nevada Housing Division, Multi-Unit Housing Revenue Bonds

	3,475 1,235 225 60	(Arville Electric Project), 6.60% due 10/01/2023 Issue B, 7.45% due 10/01/2017 Nevada Housing Division Revenue Bonds (S/F Program), AMT Senior Series E, 7% due 10/01/2019 Series A, 6.55% due 10/01/2012
New Hampshire - 0.5%	2 <b>,</b> 675	New Hampshire Health and Education Facilities Authority, Bonds (Elliot Hospital), Series B, 5.60% due 10/01/2022
New Jersey - 5.2%	9,080 2,885 2,855 6,695 8,480	5.75% due 6/15/2034
New Mexico - 0.5%	3,300	Farmington, New Mexico, PCR, Refunding (Public Service Co Project), Series A, 5.80% due 4/01/2022
New York - 17.6%	10,000 6,000 7,405 5,250 7,875	Metropolitan Transportation Authority, New York, Revenue due 11/15/2033  Metropolitan Transportation Authority, New York, Revenue Series A, 5.125% due 11/15/2031  New York City, New York, City Municipal Water Finance Aut System, Revenue Refunding Bonds:  Series B, 5% due 6/15/2036  Series D, 5% due 6/15/2037  New York City, New York, City Transitional Finance Author Series 283, 5% due 5/15/2010 (a) (m)

MuniVest Fund, Inc. Schedule of Investments as of May 31, 2005

State	Face Amount	Municipal Bonds
		Navy Varily City, Navy Varily CO.
	\$ 1,500	New York City, New York, GO:
	• •	Series D, 5% due 11/01/2027
	7,150	·
	1,445	Series I, 6.25% due 4/15/2007 (a)(n)
	20	Series I, 6.25% due 4/15/2017 (n)
	65	Series I, 6.25% due 4/15/2027 (n)
	5,850	Series M, 5% due 4/01/2030
	14,850	Series M, 5% due 4/01/2035
	6,800	Series 0, 5% due 6/01/2030
	-,	New York City, New York, GO, Refunding:
	7,035	Series A, 6.375% due 5/15/2010 (a)(f)
	965	Series A, 6.375% due 5/15/2014 (f)
	4,000	Series G, 5% due 12/01/2033
		New York State Dormitory Authority, Revenue Refunding Box
	1,000	(Mount Sinai Health), Series A, 6.50% due 7/01/2025
	11,875	RIB, Series 305, 8.74% due 5/15/2015 (c)(m)
Oregon - 1.0%	2,000	Portland, Oregon, Airport Way, Urban Renewal and Redevelor Refunding Bonds, Series A, 6% due 6/15/2015 (h)

	3 <b>,</b> 305	Portland, Oregon, Sewer System Revenue Bonds, RIB, Series due 8/01/2020 (f)(m)
Pennsylvania - 4.0%	2,440	Pennsylvania State Higher Education Assistance Agency Rev Acquisition, 6.125% due 12/15/2010 (a)(c)
	6,250	Pennsylvania State Higher Educational Facilities Authorit (University of Pennsylvania Medical Center Health System) due 1/15/2031
		Philadelphia, Pennsylvania, Authority for Industrial Deve Revenue Bonds:
	1,000	(Arbor House Inc. Project), Series E, 6.10% due 7/01/
	1,355	(Rieder House Project), Series A, 6.10% due 7/01/2033
	9,280	Sayre, Pennsylvania, Health Care Facilities Authority, Re Healthcare System), Series B, 7.125% due 12/01/2031
	1,750	Sayre, Pennsylvania, Health Care Facilities Authority, Re (Guthrie Healthcare System), Series A, 6.25% due 12/01/20
South Carolina - 1.9%	3,500	Lexington County, South Carolina, Health Services Distric Revenue Refunding and Improvement Bonds, 5.50% due 11/01/
	2,450	Medical University Hospital Authority, South Carolina, Ho Revenue Refunding Bonds, 6.50% due 8/15/2012 (a)
	5,000	Richland County, South Carolina, Environmental Improvemen Bonds (International Paper), AMT, 6.10% due 4/01/2023
Tennessee - 1.6%	2,000	McMinn County, Tennessee, IDB, Solid Waste Revenue Bonds Facility-Calhoun Newsprint), AMT, 7.40% due 12/01/2022

MuniVest Fund, Inc. Schedule of Investments as of May 31, 2005

State	Face Amount	Municipal Bonds
	¢ 4 120	Shelby County, Tennessee, Health, Educational and Housing Hospital Revenue Refunding Bonds (Methodist Healthcare): 6.50% due 9/01/2012 (a)
	\$ 4,120 2,380	
Texas - 18.2%		Austin, Texas, Convention Center Revenue Bonds (Conventio
		First Tier, Series A:
	6,000	6.70% due 1/01/2028
	1,290	6.70% due 1/01/2032
	200	Bell County, Texas, Health Facilities Development Corpora Bonds (Scott & White Memorial Hospital), VRDN, Series 200
		due 8/15/2031 (c)(l)
		Brazos River Authority, Texas, PCR, Refunding, AMT:
	3,000	(Texas Utilities Electric Company Project), Series B,
	3,055	(Texas Utility Company), Series A, 7.70% due 4/01/203
	11,870	(Utilities Electric Company), Series B, 5.05% due 6/0
	11,460	Brazos River, Texas, Harbor Navigation District, Brazoria Revenue Refunding Bonds (Dow Chemical Company Project), A due 5/15/2033
	3,000	Gregg County, Texas, Health Facilities Development Corpor Bonds (Good Shepherd Medical Center Project), 6.875% due
	10,250	Guadalupe-Blanco River Authority, Texas, Sewage and Solid Facility Revenue Bonds (E. I. du Pont de Nemours and Comp

		· · · · · · · · · · · · · · · · · · ·
		6.40% due 4/01/2026
	3,000	Gulf Coast, Texas, Waste Disposal Authority Revenue Refun (International Paper Company), AMT, Series A, 6.10% due 8
	5 <b>,</b> 500	Harris County, Houston, Texas, Sports Authority, Revenue Lien, Series G, 5.75% due 11/15/2020 (c)
	10,385	Harris County, Texas, Health Facilities Development Corpo Refunding Bonds, RITR, Series 6, 7.825% due 12/01/2027 (e
	1,795	Houston, Texas, Industrial Development Corporation Revenu AMT, 6.375% due 1/01/2023
	2,030	Mansfield, Texas, Independent School District, GO, Refund due 2/15/2015
	9,355	Matagorda County, Texas, Navigation District Number 1, Re (Centerpoint Energy Project), 5.60% due 3/01/2027
	5,225	Midway, Texas, Independent School District, GO, Refunding
	2,700	Port Corpus Christi, Texas, Revenue Refunding Bonds (Cela Series A, 6.45% due 11/01/2030
	5,000	Red River Authority, Texas, PCR, Refunding (Celanese Proj 6.70% due 11/01/2030
	6,250	San Antonio, Texas, Electric and Gas Revenue Bonds, RIB, due 2/01/2014 (m)
Vermont - 0.2%	1,000	Vermont Educational and Health Buildings Financing Agency Mental Health Revenue Bonds (Howard Center for Human Serv 6.375% due 6/15/2022
Virginia - 0.9%	1,425	Chesterfield County, Virginia, IDA, PCR (Virginia Electri Series A, 5.875% due 6/01/2017

MuniVest Fund, Inc. Schedule of Investments as of May 31, 2005

State	Face Amount	Municipal Bonds
	\$ 1,500	Isle of Wight County, Virginia, IDA, Solid Waste Disposal Bonds (Union Camp Corporation Project), AMT, 6.55% due 4/
	2,440	Virginia State HDA, Commonwealth Mortgage Revenue Bonds, Sub-Series J-1, 5.20% due 7/01/2019 (c)
Washington - 8.3%		Energy Northwest, Washington, Electric Revenue Refunding
	5,330	Series 248, 8.22% due 7/01/2018 (c)
	3,510	Series 255, 8.717% due 7/01/2018 (h)
	7 <b>,</b> 350	Series 256, 8.72% due 7/01/2017 (c)
	2,440	Seattle, Washington, Housing Authority Revenue Bonds (Rep Project), 6.125% due 12/01/2032
	8,100	Washington State, GO, Trust Receipts, Class R, Series 6, due 1/01/2014 (i)(m)
	14,320	Washington State Public Power Supply System, Revenue Refu Project Number 1), Series B, 7.125% due 7/01/2016
Wisconsin - 2.4%	4,260	Badger Tobacco Asset Securitization Corporation, Wisconsi Revenue Bonds, 6.125% due 6/01/2027
	1,765	Milwaukee, Wisconsin, Revenue Bonds (Air Cargo), AMT, 6.5
	5,000	Wisconsin State Health and Educational Facilities Authori Bonds (Hudson Memorial Hospital), 5.70% due 1/15/2029 (j)
	3,040	Wisconsin State Health and Educational Facilities Authori

(Synergyhealth Inc.), 6% due 11/15/2032

Wyoming - 2.1%		Sweetwater County, Wyoming, Solid Waste Disposal Revenue
		Project), AMT:
	5,425	Series A, 7% due 6/01/2024
	7,475	Series B, 6.90% due 9/01/2024
U.S. Virgin Islands - 1.4%	8 <b>,</b> 000	Virgin Islands Government Refinery Facilities, Revenue Re Coker Project), AMT, 6.50% due 7/01/2021

Total Investments (Cost - \$873,164\*) - 153.3%

Other Assets Less Liabilities - 0.3%

Preferred Stock, at Redemption Value - (53.6%)

Net Assets Applicable to Common Stock - 100.0%

\* The cost and unrealized appreciation (depreciation) of investments as of May 31, 2005, as computed for federal income tax purposes, were as follows:

	(in Th	ousands)
Aggregate cost	\$	873 <b>,</b> 204
Gross unrealized appreciation Gross unrealized depreciation	\$	83,494 (224)
Net unrealized appreciation	\$ ==	83 <b>,</b> 270

- \*\* Represents a zero coupon bond; the interest rate shown reflects the effective yield at the time of purchase by the Fund.
- (a) Prerefunded.
- (b) FNMA Collateralized.

MuniVest Fund, Inc.

Schedule of Investments as of May 31, 2005

- (c) MBIA Insured.
- (d) GNMA Collateralized.
- (e) Escrowed to maturity.
- (f) FGIC Insured.
- (g) Radian Insured.
- (h) AMBAC Insured.
- (i) FSA Insured.
- (j) FHA Insured.
- (k) FHLMC Collateralized.
- (1) 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.
- (m) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.
- (n) XL Capital Insured.

Investments in companies considered to be an affiliate of the Fund (such

companies are defined as "Affiliated Companies" in Section 2(a)(3) of the Investment Company Act of 1940) were as follows:

	(in	Thousands)
Affiliate	Net Activity	Dividend Income
Merrill Lynch Institutional Tax-Exempt Fund	(37,658)	\$96

Forward interest rate swaps outstanding as of May 31, 2005 were as follows:

		(in Thousands)
		Unrealized Depreciation
Receive a variable rate equal to the 7-Day Bond Market Association Municipal Swap Index Rate and pay a fixed rate of 3.811% Broker, JPMorgan Chase Bank Expires June 2015	\$ 7 <b>,</b> 000	\$ (224)
Receive a variable rate equal to the 7-Day Bond Market Association Municipal Swap Index Rate and pay a fixed rate of 3.702% Broker, JPMorgan Chase Bank Expires July 2015	\$43,500	(948)
Receive a variable rate equal to the 7-Day Bond Market Association Municipal Swap Index Rate and pay a fixed rate of 3.605% Broker, JPMorgan Chase Bank Expires August 2015	\$47 <b>,</b> 600	(627)
Total		\$(1,799) ======

#### 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.

MuniVest Fund, Inc.

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

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

Date: July 15, 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
MuniVest Fund, Inc.

Date: July 15, 2005

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

Date: July 15, 2005