

BLACKROCK MUNIHOLDINGS NEW YORK INSURED FUND, INC.

Form N-Q

July 29, 2010

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 811-08217

Name of Fund: BlackRock MuniHoldings New York Insured Fund, Inc. (MHN)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock  
MuniHoldings New York Insured Fund, Inc., 55 East 52<sup>nd</sup> Street, New York, NY 10055.

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 08/31/2010

Date of reporting period: 05/31/2010

Item 1 Schedule of Investments

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## Schedule of Investments May 31, 2010 (Unaudited)

BlackRock MuniHoldings New York Insured Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

	(000)	Value	Par
Municipal Bonds			
New York	116.5%		
Corporate	8.2%		
New York City Industrial Development Agency, Refunding RB, Terminal One Group Association Project, AMT, 5.50%, 1/01/24			\$ 1,500
			\$ 1,536,855
New York Liberty Development Corp., RB, Goldman Sachs Headquarters, 5.25%, 10/01/35			1,500
			1,507,860
New York State Energy Research & Development Authority, RB, Lilco Project, Series A (NPFGC), 5.15%, 3/01/16			2,000
			2,032,980
New York State Energy Research & Development Authority, Refunding RB, Series A:			
Brooklyn Union Gas/Keyspan, AMT (FGIC), 4.70%, 2/01/24			7,340
			7,346,753
Central Hudson Gas (AMBAC), 5.45%, 8/01/27			6,000
			6,027,900
Suffolk County Industrial Development Agency New York, RB, KeySpan, Port Jefferson, AMT, 5.25%, 6/01/27			4,355
			4,321,118
Suffolk County Industrial Development Agency New York, Refunding RB, Ogden Martin System Huntington, AMT (AMBAC):			
6.00%, 10/01/10			4,660
			4,735,212
6.15%, 10/01/11			5,000
			5,294,050
6.25%, 10/01/12			3,530
			3,829,450
			36,632,178
County/City/Special District/School District	33.3%		
City of New York New York, GO, Series B (NPFGC):			
5.75%, 8/01/10 (a)			1,740
			1,773,965

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	Par	Value
Municipal Bonds	(000)	Value
5.75%, 8/01/13	540	550,130
City of Yonkers New York, GO, Series A (FGIC), 5.75%, 10/01/10	1,795	1,846,050
Hudson Yards Infrastructure Corp., RB, Series A:		
(FGIC), 5.00%, 2/15/47	10,250	9,950,803
(NPFGC), 4.50%, 2/15/47	14,180	13,063,750
<b>New York (continued)</b>		
County/City/Special District/School		
District (continued)		
New York City Health & Hospital Corp., Refunding RB, Health System, Series A (NPFGC), 5.25%, 2/15/17	\$ 2,000	\$ 2,005,360
New York City Industrial Development Agency, RB, PILOT:		
CAB, Yankee Stadium (AGC), 6.50%, 3/01/39 (b)	1,380	264,325
Queens Baseball Stadium (AGC), 6.38%, 1/01/39	800	886,032
Queens Baseball Stadium (AMBAC), 5.00%, 1/01/31	3,500	3,269,385
Queens Baseball Stadium (AMBAC), 5.00%, 1/01/36	12,740	11,404,466
Queens Baseball Stadium (AMBAC), 5.00%, 1/01/39	4,000	3,550,560
Queens Baseball Stadium (AMBAC), 5.00%, 1/01/46	7,800	6,811,818
Yankee Stadium (FGIC), 5.00%, 3/01/46	9,500	9,073,545
Yankee Stadium (NPFGC), 5.00%, 3/01/36	3,950	3,876,728
New York City Transitional Finance Authority, RB:		
Fiscal 2008, Series S-1, 4.50%, 1/15/38	1,510	1,484,119
Fiscal 2009, Series S-1 (AGC), 5.50%, 7/15/38	4,000	4,372,120
Fiscal 2009, Series S-4 (AGC),		

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5.50%, 1/15/39 Future Tax Secured, Series C (FGIC),	1,250	1,372,250
5.00%, 2/01/33 Future Tax Secured, Series E (NPFGC), 5.25%, 2/01/22	10,000	10,296,700
Series B (NPFGC), 5.50%, 2/01/11 (a)	2,500	2,683,450
Series B (NPFGC), 5.50%, 2/01/11 (a)	695	724,857
Series B (NPFGC), 5.50%, 2/01/13	1,145	1,194,189
Series S-2 (AGM), 5.00%, 1/15/37	110	114,696
	3,750	3,886,725

Portfolio Abbreviations

To simplify the listings of portfolio holdings in the Schedule of Investments, the names and descriptions of many of the securities have been abbreviated according to the following list:

ACA	American Capital Access Corp.	FHLMC	Federal Home Loan Mortgage Corp.
AGC	Assured Guaranty Corp.	FNMA	Federal National Mortgage Association
AGM	Assured Guaranty Municipal Corp.	GO	General Obligation Bonds
AMBAC	American Municipal Bond Assurance Corp.	HFA	Housing Finance Agency
AMT	Alternative Minimum Tax (subject to)	MRB	Mortgage Revenue Bonds
BHAC	Berkshire Hathaway Assurance Corp.	NPFGC	National Public Finance Guarantee Corp.
CAB	Capital Appreciation Bonds	PILOT	Payment in Lieu of Taxes
CIFG	CDC IXIS Financial Guaranty	RB	Revenue Bonds
ERB	Education Revenue Bonds	SBPA	Stand-by Bond Purchase Agreement
FGIC	Financial Guaranty Insurance Co.	SONYMA	State of New York Mortgage Agency
FHA	Federal Housing Administration	VRDN	Variable Rate Demand Notes

BLACKROCK MUNIHOLDINGS NEW YORK INSURED FUND, INC.

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## Schedule of Investments (continued)

BlackRock MuniHoldings New York Insured Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

	Municipal Bonds	Par (000)	Value
<b>New York (continued)</b>			
County/City/Special District/School			
District (concluded)			
New York City Transitional Finance			
Authority, RB (concluded):			
Series S-2 (NPFGC), 4.25%,			
1/15/34			
		\$ 4,830	\$ 4,679,787
New York City Transitional Finance			
Authority, Refunding RB, Series A			
(FGIC), 5.00%, 11/15/26			
		1,000	1,047,170
New York Convention Center			
Development Corp., RB, Hotel Unit			
Fee Secured (AMBAC):			
5.00%, 11/15/30			
		2,100	2,129,001
5.00%, 11/15/35			
		20,500	20,587,125
5.00%, 11/15/44			
		2,055	2,059,829
Oneida-Herkimer Solid Waste			
Management Authority New York,			
Refunding RB (AGM), 5.50%, 4/01/13			
		1,800	2,013,966
Sales Tax Asset Receivable Corp., RB,			
Series A (AMBAC), 5.25%, 10/15/27			
		14,175	14,859,794
Syracuse Industrial Development			
Agency New York, RB, Carousel Center			
Project, Series A, AMT (Syncora),			
5.00%, 1/01/36			
		10,000	7,113,900
			148,946,595
<b>Education 12.1%</b>			
City of Troy New York, Refunding RB,			
Rensselaer Polytechnic, Series A,			
5.13%, 9/01/40			
		1,050	1,069,635
Madison County Industrial Development			
Agency New York, RB, Colgate			
University Project, Series A (AMBAC),			
5.00%, 7/01/30			
		4,000	4,148,880
New York City Industrial Development			

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	Par	(000)	Value
Municipal Bonds			
<b>Agency, Refunding RB:</b>			
Nightingale-Bamford School (AMBAC), 5.25%, 1/15/17	1,200		1,297,944
Polytechnic University Project (ACA), 5.25%, 11/01/37	2,160		1,940,587
<b>New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-4 (AGC), 5.50%, 1/15/33</b>			
	3,000		3,320,940
<b>New York State Dormitory Authority, RB:</b>			
Mount Sinai School of Medicine, 5.13%, 7/01/39	3,090		3,106,593
Mount Sinai School of Medicine at NYU (NPFGC), 5.00%, 7/01/35	6,100		6,091,033
New York University, Series 1 (AMBAC), 5.50%, 7/01/40	3,500		4,141,025
Pace University (NPFGC), 6.00%, 7/01/10 (a)	1,845		1,872,952
Pace University (NPFGC), 6.00%, 7/01/10 (a)	3,500		3,553,025
Siena College, 5.13%, 7/01/39	1,345		1,358,073
	Par		
		(000)	Value
<b>New York (continued)</b>			
<b>Education (concluded)</b>			
<b>Schenectady County Industrial Development Agency, Refunding RB, Union College Project, Series A (AMBAC), 5.63%, 7/01/11 (a)</b>			
	\$ 3,000		\$ 3,232,380
<b>Trust for Cultural Resources, RB, Carnegie Hall, Series A:</b>			
4.75%, 12/01/39	3,150		3,169,152
5.00%, 12/01/39	1,850		1,897,860
<b>Trust for Cultural Resources, Refunding RB, American Museum of Natural History, Series A (NPFGC), 5.00%, 7/01/36</b>			
	6,800		7,021,408
<b>Westchester County Industrial Development Agency New York, RB, Purchase College Foundation Housing, Series A (AMBAC), 5.75%,</b>			

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12/01/31	7,000	7,066,220
		54,287,707
<b>Health 6.9%</b>		
New York City Industrial Development		
Agency, RB, Royal Charter, New York		
Presbyterian (AGM), 5.75%,		
12/15/29	7,965	8,478,902
New York State Dormitory Authority,		
MRB, Montefiore Hospital (NPFGC),		
5.00%, 8/01/33	1,000	1,012,810
New York State Dormitory Authority, RB:		
Gustavus Adolphus Child & Family		
Services, Inc., Series B (AMBAC),		
5.50%, 7/01/18	2,058	2,084,754
Hudson Valley Hospital (BHAC),		
5.00%, 8/15/36	5,000	5,252,750
New York & Presbyterian Hospital		
(AGM), 5.25%, 2/15/31	1,500	1,557,795
New York & Presbyterian Hospital		
(AGM), 5.00%, 8/15/36	4,000	4,075,720
New York State Rehabilitation		
Association, Series A (CIFG), 5.25%,		
7/01/19	1,180	1,210,361
New York State Rehabilitation		
Association, Series A (CIFG), 5.13%,		
7/01/23	1,000	1,006,340
North Shore-Long Island Jewish		
Health System, Series A, 5.50%,		
5/01/37	1,825	1,876,739
New York State Dormitory Authority,		
Refunding RB:		
St. Charles Hospital &		
Rehabilitation Center, Series A		
(NPFGC), 5.63%, 7/01/12	3,400	3,443,962
St. Luke's Roosevelt Hospital (FHA),		
4.90%, 8/15/31	1,000	1,003,210
		31,003,343

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## Schedule of Investments (continued)

BlackRock MuniHoldings New York Insured Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

	Municipal Bonds	Par	(000)	Value
New York (continued)				
Housing 4.3%				
New York City Housing Development Corp., RB, AMT:				
Series C, 5.00%, 11/01/26		\$ 1,250		\$ 1,265,338
Series C, 5.05%, 11/01/36		2,000		1,912,840
Series H-1, 4.70%, 11/01/40		1,000		939,360
New York Mortgage Agency, RB,				
	Series 145, AMT, 5.13%, 10/01/37	1,000		1,005,370
New York Mortgage Agency, Refunding				
RB:				
Homeowner Mortgage, Series 67, AMT (NPFGC), 5.70%, 10/01/17		2,140		2,142,568
Homeowner Mortgage, Series 83 (NPFGC), 5.55%, 10/01/27		2,100		2,101,428
Homeowner Mortgage, Series 97, AMT, 5.50%, 4/01/31		840		843,150
Series 82, AMT (NPFGC), 5.65%, 4/01/30		825		825,429
Series 133, AMT, 4.95%, 10/01/21		685		695,850
Series 143, AMT, 4.90%, 10/01/37		965		932,499
Series 143, AMT (NPFGC), 4.85%, 10/01/27		2,000		2,003,340
New York State HFA, RB, St. Philip's Housing, Series A, AMT (FNMA), 4.65%, 11/15/38				
	Yonkers Economic Development Corp., Refunding RB, Riverview II (FHLMC), 4.50%, 5/01/25	1,500		1,501,140
Yonkers Industrial Development Agency				
New York, RB, Monastery Manor Associates LP Project, AMT (SONYMA), 5.25%, 4/01/37				
		2,000		1,965,940
				19,116,112



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State 10.8%

New York State Dormitory Authority, RB:

Master BOCES Program Lease (AGC), 4.75%, 8/15/24	1,090	1,146,418
Master BOCES Program Lease (AGC), 5.00%, 8/15/28	250	262,988
Mental Health Facilities, Series B, 5.25%, 2/15/14 (a)	1,550	1,744,385
Mental Health Services Facilities Improvement, Series B (AGM), 5.00%, 2/15/33	4,500	4,703,085
Mental Health Services Facilities, Series C, AMT (AGM), 5.40%, 2/15/33	5,650	5,720,512
School Districts Financing Program, Series A (AGM), 5.00%, 10/01/35	450	465,898
School Districts Financing Program, Series C (AGM), 5.00%, 10/01/37	2,500	2,583,575

Municipal Bonds	Par (000)	Value
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New York (continued)

State (concluded)

New York State Dormitory Authority, RB

(concluded):

School Districts Financing Program, Series D (NPFGC), 5.00%, 10/01/30	\$ 1,240	\$ 1,255,488
School Districts Financing Program, Series E (NPFGC), 5.75%, 10/01/30	6,900	7,319,589

New York State Dormitory Authority,

Refunding RB:

School District Financing Program, Series A (AGM), 5.00%, 10/01/35	5,000	5,196,650
Secured Hospital, North General Hospital (Syncora), 5.75%, 2/15/17	2,000	2,147,260

New York State Thruway Authority, RB:

Second General, Series B, 5.00%, 4/01/27	1,000	1,071,570
Series A (AMBAC), 5.00%, 4/01/26	8,700	9,265,326

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New York State Urban Development

Corp., RB (NPFGC):

Personal Income Tax, Series C-1, 5.00%, 3/15/13 (a)	3,000	3,338,430
State Personal Income Tax, State Facilities, Series A-1, 5.00%, 3/15/29	2,000	2,086,160
		48,307,334

Tobacco 4.9%

Tobacco Settlement Financing Corp.

New York, RB, Asset-Backed,

Series A-1 (AMBAC):

5.25%, 6/01/20	5,000	5,416,850
5.25%, 6/01/21	13,275	14,251,111
5.25%, 6/01/22	2,000	2,137,980
		21,805,941

Transportation 23.8%

Hudson Yards Infrastructure Corp., RB:

(AGC), 5.00%, 2/15/47	7,370	7,466,694
Series A (AGC), 5.00%, 2/15/47	305	309,002
Series A (AGM), 5.00%, 2/15/47	6,000	6,089,100

Metropolitan Transportation Authority,

RB:

Series 2008C, 6.50%, 11/15/28	6,015	7,043,204
Transportation, Series A (NPFGC), 5.00%, 11/15/32	1,100	1,113,222

Metropolitan Transportation Authority,

Refunding RB:

Series A, 5.13%, 1/01/29	1,150	1,177,531
Series A (NPFGC), 5.25%, 11/15/31	2,500	2,558,450
Series C (AGM), 4.75%, 7/01/12 (a)	2,535	2,751,667

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## Schedule of Investments (continued)

BlackRock MuniHoldings New York Insured Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

	Municipal Bonds	Par (000)	Value
<b>New York (continued)</b>			
<b>Transportation (concluded)</b>			
Metropolitan Transportation Authority,			
Refunding RB (concluded):			
Transportation, Series F (NPFGC),			
5.25%, 11/15/12 (a)		\$ 6,300	\$ 6,993,252
New York State Thruway Authority, RB:			
Series F (AMBAC), 5.00%, 1/01/30		5,000	5,150,550
Series G (AGM), 4.75%, 1/01/29		1,250	1,276,000
Series G (AGM), 4.75%, 1/01/30		1,000	1,016,230
Series G (AGM), 5.00%, 1/01/32		5,225	5,395,283
Niagara Falls Bridge Commission,			
Refunding RB, Bridge System,			
Series A (AGC), 4.00%, 10/01/19		2,600	2,757,014
Port Authority of New York & New Jersey,			
RB:			
Consolidated 116th Series, 4.13%,			
9/15/32		2,685	2,637,180
Consolidated 161st Series, 4.50%,			
10/15/37		1,000	1,009,870
Special Project, JFK International Air			
Terminal, Series 6, AMT (NPFGC),			
6.25%, 12/01/11		3,000	3,106,290
Special Project, JFK International Air			
Terminal, Series 6, AMT (NPFGC),			
6.25%, 12/01/15		7,830	8,307,787
Special Project, JFK International Air			
Terminal, Series 6, AMT (NPFGC),			
5.90%, 12/01/17		4,000	4,024,640
Special Project, JFK International Air			
Terminal, Series 6, AMT (NPFGC),			
5.75%, 12/01/22		26,725	26,744,509
Triborough Bridge & Tunnel Authority,			
RB:			

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Sub-Series A (NPFGC), 5.25%, 11/15/30		6,000	6,349,260
Subordinate Bonds (AMBAC), 5.00%, 11/15/28		2,465	2,557,684
			105,834,419
<b>Utilities 12.4%</b>			
Long Island Power Authority, RB, Series A (AMBAC), 5.00%, 9/01/29		3,000	3,081,900
Long Island Power Authority, Refunding RB:			
General, Series A (AGC), 6.00%, 5/01/33		1,500	1,697,985
General, Series B (AGM), 5.00%, 12/01/35		3,500	3,622,885
Series A (AGC), 5.75%, 4/01/39		1,000	1,122,070
New York City Municipal Water Finance Authority, RB:			
Series A (AMBAC), 5.00%, 6/15/35		3,500	3,579,240
Series A (NPFGC), 5.75%, 6/15/11 (a)		23,000	24,285,470
Series DD (AGM), 4.50%, 6/15/39		3,000	2,947,410
		Par	
Municipal Bonds	(000)	Value	
<b>New York (concluded)</b>			
<b>Utilities (concluded)</b>			
New York City Municipal Water Finance Authority, Refunding RB:			
Fiscal 2004, Series C (NPFGC), 5.00%, 6/15/35		\$ 1,000	\$ 1,029,470
Series A (AGM), 4.25%, 6/15/39		2,200	2,156,044
Series A (NPFGC), 5.13%, 6/15/34		1,250	1,305,862
Series F (AGM), 5.00%, 6/15/29		500	505,480
New York State Environmental Facilities Corp., RB, Long Island Water Corp. Project, Series A, AMT (NPFGC), 4.90%, 10/01/34		6,000	5,704,980
New York State Environmental Facilities Corp., Refunding RB, Spring Valley Water Co., Series B (AMBAC), 6.15%, 8/01/24		4,400	4,419,140

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				55,457,936
Total Municipal Bonds in New York				521,391,565
<b>Guam 1.1%</b>				
<b>Transportation 1.1%</b>				
Guam International Airport Authority,				
Refunding RB, General, Series C, AMT				
(NPFGC):				
5.25%, 10/01/21			3,700	3,703,515
	5.25%, 10/01/22		1,050	1,050,472
Total Municipal Bonds in Guam				4,753,987
<b>Puerto Rico 17.8%</b>				
<b>County/City/Special District/School District 0.8%</b>				
Puerto Rico Sales Tax Financing Corp.,				
RB, First Sub-Series A (AGM), 5.00%,				
8/01/40			1,905	1,948,891
Puerto Rico Sales Tax Financing Corp.,				
Refunding RB, CAB, Series A (NPFGC),				
5.78%, 8/01/41 (b)			11,000	1,729,640
				3,678,531
<b>Housing 0.7%</b>				
Puerto Rico Housing Finance Authority,				
Refunding RB, Subordinate, Capital				
Fund Modernization, 5.13%,				
12/01/27	3,000	3,023,640		
<b>State 7.3%</b>				
Commonwealth of Puerto Rico, GO,				
Refunding:				
Public Improvement, Series A				
(NPFGC), 5.50%, 7/01/20			1,970	2,131,619
Public Improvement, Series A				
(NPFGC), 5.50%, 7/01/21			3,000	3,243,240
Public Improvement, Series A-4				
(AGM), 5.25%, 7/01/30			1,400	1,457,666
Sub-Series C-7 (NPFGC), 6.00%,				
7/01/27			2,000	2,162,040

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## Schedule of Investments (continued)

BlackRock MuniHoldings New York Insured Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

Municipal Bonds	(000)	Value	Par
<b>Puerto Rico (concluded)</b>			
<b>State (concluded)</b>			
Commonwealth of Puerto Rico, GO,			
Refunding (concluded):			
Sub-Series C-7 (NPFGC), 6.00%,			
7/01/28			\$ 4,000
			\$ 4,318,520
Puerto Rico Commonwealth			
Infrastructure Financing Authority, RB,			
CAB, Series A (b):			
(AMBAC), 4.66%, 7/01/34		9,300	1,860,093
(AMBAC), 4.67%, 7/01/37		2,200	349,426
(FGIC), 4.62%, 7/01/31		10,280	2,606,905
(FGIC), 4.66%, 7/01/33		5,500	1,188,495
Puerto Rico Convention Center			
Authority, RB, Series A (AMBAC),			
5.00%, 7/01/31		3,270	3,252,963
Puerto Rico Highway & Transportation			
Authority, Refunding RB, Series CC			
(AGM):			
5.50%, 7/01/31		4,000	4,374,240
5.25%, 7/01/32		2,000	2,113,220
Puerto Rico Public Buildings Authority,			
Refunding RB, Government Facilities,			
Series M-3 (NPFGC), 6.00%, 7/01/28		2,500	2,676,575
Puerto Rico Sales Tax Financing Corp.,			
RB, First Sub-Series A, 5.75%,			
8/01/37		1,000	1,063,650
			32,798,652
<b>Transportation 6.2%</b>			
Puerto Rico Highway & Transportation			
Authority, RB:			
Series Y (AGM), 6.25%, 7/01/21		5,025	5,615,337
Subordinate (FGIC), 5.25%,			
7/01/17		4,800	4,962,960
Puerto Rico Highway & Transportation			

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Authority, Refunding RB:

Series CC (AGM), 5.25%, 7/01/33	1,000	1,058,020
Series CC (AGM), 5.25%, 7/01/34	870	919,094
Series CC (AGM), 5.25%, 7/01/36	3,750	3,964,763
Series D, 5.75%, 7/01/12 (a)	10,000	10,989,500
		27,509,674

Utilities 2.8%

Puerto Rico Aqueduct & Sewer Authority,  
RB, Senior Lien, Series A (AGC),  
5.13%, 7/01/47

10,175 10,260,368

Puerto Rico Electric Power Authority, RB,  
Series NN, 5.13%, 7/01/13 (a)

940 1,058,356

Puerto Rico Electric Power Authority,  
Refunding RB, Series VV (NPFGC),  
5.25%, 7/01/30

1,000 1,046,990

12,365,714

Total Municipal Bonds in Puerto Rico 79,376,211

Total Municipal Bonds 135.4%

605,521,763

Municipal Bonds Transferred to Tender

Option Bond Trusts (c)

(000)

Value

Par

New York 31.6%

County/City/Special District/School District 8.1%

City of New York New York, GO:

Series J, 5.00%, 5/15/23

\$ 6,800 \$ 7,269,200

Sub-Series C-3 (AGC), 5.75%,  
8/15/28

10,000 11,362,900

New York State Dormitory Authority, RB,  
State University Dormitory Facilities,  
Series A, 5.25%, 7/01/29

5,000 5,452,350

Sales Tax Asset Receivable Corp., RB,  
Series A (AMBAC), 5.00%, 10/15/32

12,000 12,391,080

36,475,530

Education 1.3%

New York State Dormitory Authority, RB,  
New York University, Series A, 5.00%,

7/01/38 5,499 5,755,173

State 1.3%

New York State Dormitory Authority,

ERB, Series B, 5.75%, 3/15/36 5,000 5,682,950

Transportation 19.3%

Metropolitan Transportation Authority,  
RB, Series A (NPFGC), 5.00%,

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11/15/31	7,002	7,275,793
Metropolitan Transportation Authority, Refunding RB, Series A (AGM):		
5.00%, 11/15/30	5,010	5,152,785
5.75%, 11/15/32	29,000	30,880,940
New York State Thruway Authority, RB, Series G (AGM), 5.00%, 1/01/32	9,500	10,263,420
New York State Thruway Authority, Refunding RB, Series H (AGM), 5.00%, 1/01/37	8,500	8,820,195
Port Authority of New York & New Jersey, RB, Consolidated, 155th Series, AMT (AGM), 5.13%, 7/15/30	2,500	2,549,225
Triborough Bridge & Tunnel Authority, Refunding RB (NPFGC):		
5.25%, 11/15/23	12,000	12,815,760
5.00%, 11/15/32	8,309	8,582,119
		86,340,237
<b>Utilities 1.6%</b>		
New York City Municipal Water Finance Authority, RB:		
Fiscal 2009, Series A, 5.75%, 6/15/40	4,004	4,541,024
Series FF-2, 5.50%, 6/15/40	2,399	2,676,102
		7,217,126
Total Municipal Bonds Transferred to  Tender Option Bond Trusts	31.6%	141,471,016
Total Long-Term Investments (Cost \$735,438,342) 167.0%		746,992,779

BLACKROCK MUNIHOLDINGS NEW YORK INSURED FUND, INC.

MAY 31, 2010



## Schedule of Investments (concluded)

BlackRock MuniHoldings New York Insured Fund, Inc. (MHN)

(Percentages shown are based on Net Assets)

	(000)	Value	Par	
Short-Term Securities				
New York	0.1 %			
City of New York New York, GO, VRDN, Sub-Series A-6 (AGM Insurance, Dexia Credit Local SBPA), 0.28%, 6/01/10 (d)			\$ 375	\$ 375,000
Money Market Fund	1.3%		Shares	
CMA New York Municipal Money Fund,				
		0.00% (e)(f)	5,863,171	5,863,171
Total Short-Term Securities				
(Cost \$6,238,171)	1.4%	6,238,171		
Total Investments				
(Cost \$741,676,512*)	168.4%			753,230,950
Other Assets Less Liabilities	2.1%			9,566,775
Liability for Trust Certificates, Including Interest				
Expense and Fees Payable	(16.0)%			(71,752,964)
Preferred Shares, at Redemption Value	(54.5)%			(243,647,486)
Net Assets Applicable to Common Shares	100.0% \$			447,397,275

\* The cost and unrealized appreciation (depreciation) of investments as of

May 31, 2010, as computed for federal income tax purposes, were as

Aggregate follows: cost	\$ 670,583,493
Gross unrealized appreciation	\$ 25,509,377
Gross unrealized depreciation	(14,574,520)
Net unrealized appreciation	\$ 10,934,857

(a) US government securities, held in escrow, are used to pay interest on this security as well as to retire the bond in full at the date indicated, typically at a premium to par.

(b) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.

(c) Securities represent bonds transferred to a tender option bond trust in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction.

(d) Variable rate security. Rate shown is as of report date and maturity shown is the date the principal owed can be recovered through demand.

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

Affiliate	Shares Held at August 31, 2009	Net Activity	Shares Held at May 31, 2010	Income
CMA New York Municipal Money Fund	5,049,821	813,350	5,863,171	\$ 1,307

(f) Represents the current yield as of report date.

Fair Value Measurements - Various inputs are used in determining the fair value of investments, which are as follows:

Level 1 price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and other significant accounting policies, please refer to the Fund's most recent financial statements as contained in its semi-annual report.

The following table summarizes the inputs used as of May 31, 2010 in determining the fair valuation of the Fund's investments:

Investments in Securities

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Long-Term Investments <sup>1</sup>		\$746,992,779		\$ 746,992,779
Short-Term				

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Securities	\$ 5,863,171	375,000	6,238,171
Total	\$ 5,863,171	\$747,367,779	\$ 753,230,950

1See above Schedule of Investments for values in each sector.

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MAY 31, 2010

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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 (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 13(a)-15(b) under the Securities 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) 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 New York Insured Fund, Inc.

By: /s/ Anne F. Ackerley

Anne F. Ackerley  
Chief Executive Officer of  
BlackRock MuniHoldings New York Insured Fund, Inc.

Date: July 23, 2010

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/ Anne F. Ackerley

Anne F. Ackerley  
Chief Executive Officer (principal executive officer) of  
BlackRock MuniHoldings New York Insured Fund, Inc.

Date: July 23, 2010

By: /s/ Neal J. Andrews

Neal J. Andrews  
Chief Financial Officer (principal financial officer) of  
BlackRock MuniHoldings New York Insured Fund, Inc.

Date: July 23, 2010

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