

BLACKROCK MUNIHOLDINGS INSURED INVESTMENT FUND

Form N-Q

January 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 811-08349

Name of Fund: BlackRock MuniHoldings Insured Investment Fund (MFL)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock MuniHoldings Insured Investment Fund, 55 East 52nd 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: 11/30/2009

Item 1 Schedule of Investments

BlackRock MuniHoldings Insured Investment Fund (MFL)

Schedule of Investments November 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

State	Municipal Bonds	Par (000)	Value
Alabama - 3.3%			
Health - 3.3%	Birmingham Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.13%, 6/01/34	\$ 4,980	\$ 5,314,258
	Birmingham Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 6/01/39	10,995	11,585,651
Total Municipal Bonds in Alabama			16,899,909
California - 4.7%			
County/City/Special District/School District - 1.3%	Los Angeles Municipal Improvement Corp., Refunding RB, Real Property, Series B (AGC), 5.50%, 4/01/39	2,930	3,015,527
	Los Angeles Unified School District California, GO, Series D, 5.25%, 7/01/25	3,485	3,768,330
			6,783,857
Transportation - 1.3%	County of Sacramento California, RB, Senior Series A (AGC), 5.50%, 7/01/41	6,600	6,745,926
Utilities - 2.1%	Manteca Financing Authority California, RB, Manteca Sewer (AGC), 5.63%, 12/01/33	2,450	2,591,120
	Manteca Financing Authority California, RB, Manteca Sewer (AGC), 5.75%, 12/01/36	3,285	3,463,835
	San Diego Public Facilities Financing Authority, Refunding RB, Series B (AGC), 5.38%, 8/01/34	4,690	4,877,928
			10,932,883
Total Municipal Bonds in California			24,462,666
Colorado - 1.3%			
Health - 1.3%	Colorado Health Facilities Authority, RB, Hospital, NMC Inc. Project, Series B (FSA), 6.00%, 5/15/26	5,925	6,555,242
Total Municipal Bonds in Colorado			6,555,242
District of Columbia - 0.4%			
Education - 0.4%	District of Columbia, Refunding RB, Georgetown University, Series D (BHAC), 5.50%, 4/01/36	1,730	1,814,978
Total Municipal Bonds in District of Columbia			1,814,978
Florida - 70.7%			

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County/City/Special District/School District - 20.1%	Alachua County School Board, RB (AMBAC), 5.25%, 7/01/29	3,075	3,137,546
	City of Cape Coral Florida, RB (MBIA), 5.00%, 10/01/30	1,220	1,229,748
	City of Jacksonville Florida, Refunding RB (MBIA), 5.25%, 10/01/32	7,305	7,381,045
	City of Leesburg Florida, RB (MBIA), 5.25%, 10/01/27	1,605	1,648,977

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.

AGC	Assured Guaranty Corp.
AMBAC	American Municipal Bond Assurance Corp.
AMT	Alternative Minimum Tax (subject to)
BHAC	Berkshire Hathaway Assurance Corp.
CIFG	CDC IXIS Financial Guaranty
COP	Certificates of Participation
EDA	Economic Development Authority
FSA	Financial Security Assurance Inc.
FGIC	Financial Guaranty Insurance Co.
GNMA	Government National Mortgage Association
GO	General Obligation Bonds
HRB	Housing Revenue Bonds
IDA	Industrial Development Authority
ISD	Independent School District
MBIA	Municipal Bond Investors Assurance (National Public Finance Guaranty Corp.)
RB	Revenue Bonds
S/F	Single-Family
VRDN	Variable Rate Demand Notes

BlackRock MuniHoldings Insured Investment Fund (MFL)
Schedule of Investments November 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

State	Municipal Bonds	Par (000)	Value
	City of Leesburg Florida, RB (MBIA), 5.25%, 10/01/34	\$ 3,425	\$ 3,439,248
	City of Orlando Florida, RB, Senior, 6th Cent Contract Payments, Series A (AGC), 5.25%, 11/01/38	7,605	7,548,723
	Clay County School Board, COP, Master Lease Program (MBIA), 5.75%, 7/01/10 (a)	1,320	1,375,268
	County of Lee Florida, RB (AMBAC), 5.25%, 10/01/23	2,635	2,712,970
	County of Miami-Dade Florida, GO, Parks Program (MBIA), 6.00%, 11/01/24	6,705	6,791,226
	County of Osceola Florida, RB (AMBAC), 5.38%, 10/01/18	3,155	3,415,256
	County of Osceola Florida, RB, Series A (MBIA), 5.50%, 10/01/27	5,560	5,685,322
	County of St. John s Florida, RB, Transportation Improvement (AMBAC), 5.13%, 10/01/32	3,250	3,280,713
	County of Taylor Florida, RB (FGIC), 6.00%, 10/01/10 (a)	3,835	4,018,390
	Hernando County School District, COP (MBIA), 5.00%, 7/01/30	1,765	1,724,987
	Miami-Dade County IDA, RB, BAC Funding Corp. Project, Series A (AMBAC), 5.25%, 10/01/20	3,280	3,438,326
	Orange County School Board, COP (AMBAC), 5.50%, 8/01/25	1,300	1,338,298
	Palm Beach County School District, COP, Refunding, Series B (AMBAC), 5.38%, 8/01/17	6,115	6,496,576
	Palm Beach County School District, COP, Series A (FGIC), 6.00%, 8/01/10 (a)	5,070	5,313,715
	Palm Beach County School District, COP, Series A (FGIC), 6.25%, 8/01/10 (a)	13,205	13,861,817
	St. Lucie County School Board, COP (FSA), 6.25%, 7/01/10 (a)	4,055	4,237,394
	St. Lucie County School Board, COP, Series A (FSA), 5.50%, 7/01/18	1,495	1,590,381
	St. Lucie County School Board, COP, Series C (FSA), 5.50%, 7/01/18	1,170	1,244,646
	Village Center Community Development District, RB (MBIA), 5.25%, 10/01/23	2,625	2,581,740
	Village Center Community Development District, RB, Series A (MBIA), 5.38%, 11/01/34	10,775	9,078,692
	Village Center Community Development District, RB, Series A (MBIA), 5.13%, 11/01/36	1,750	1,400,980
			103,971,984
Education - 4.4%	Broward County Educational Facilities Authority, RB, Educational Facilities, Nova Southeastern University (AGC), 5.00%, 4/01/31	7,900	7,946,373
	City of Tallahassee Florida, RB, Florida State University Project, Series A (MBIA), 5.25%, 8/01/23	2,800	2,842,700

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City of Tallahassee Florida, RB, Florida State University Project, Series A (MBIA), 5.38%, 8/01/26	1,000	1,023,290
Florida State Board of Education, RB, University of Central Florida (MBIA), 5.25%, 10/01/26	1,650	1,670,592
St. John s County IDA, Refunding RB, Professional Golf Project (MBIA), 5.50%, 9/01/15	1,275	1,328,576

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BlackRock MuniHoldings Insured Investment Fund (MFL)
Schedule of Investments November 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

State	Municipal Bonds	Par (000)	Value
	St. John's County IDA, Refunding RB, Professional Golf Project (MBIA), 5.50%, 9/01/16	\$ 1,345	\$ 1,393,904
	St. John's County IDA, Refunding RB, Professional Golf Project (MBIA), 5.50%, 9/01/17	1,420	1,466,079
	St. John's County IDA, Refunding RB, Professional Golf Project (MBIA), 5.50%, 9/01/18	1,500	1,543,050
	Volusia County IDA, RB, Student Housing, Stetson University Project, Series A (CIFG), 5.00%, 6/01/25	2,075	1,896,820
	Volusia County IDA, RB, Student Housing, Stetson University Project, Series A (CIFG), 5.00%, 6/01/35	1,740	1,500,019
			22,611,403
Health - 2.6%	Jacksonville Health Facilities Authority, RB, Baptist Medical Center (FSA), 5.00%, 8/15/37	3,185	3,091,775
	Orange County Health Facilities Authority, RB, Hospital, Orlando Regional Healthcare, 6.00%, 12/01/12 (a)	9,220	10,572,390
			13,664,165
Housing - 3.9%	Escambia County Housing Finance Authority, Refunding RB, Multi-County Program, Series A, AMT (MBIA), 6.30%, 10/01/20	80	81,665
	Escambia County Housing Finance Authority, Refunding RB, Multi-County Program, Series A, AMT (MBIA), 6.38%, 10/01/26	305	311,487
	Florida Housing Finance Corp., HRB, Waverly Apartments, Series C-1, AMT (FSA), 6.30%, 7/01/30	2,055	2,107,649
	Florida Housing Finance Corp., RB, Homeowner Mortgage, Series 11, AMT (FSA), 5.95%, 1/01/32	5,830	5,832,740
	Florida Housing Finance Corp., Refunding RB, Homeowner Mortgage, Series 2, AMT (MBIA), 5.75%, 7/01/14	825	826,279
	Florida Housing Finance Corp., Refunding RB, Homeowner Mortgage, Series 2, AMT (MBIA), 5.90%, 7/01/29	7,620	7,709,230
	Florida Housing Finance Corp., Refunding RB, Homeowner Mortgage, Series 4, AMT (FSA), 6.25%, 7/01/22	560	586,382
	Lee County Housing Finance Authority, RB, Multi-County Program, Series A-1, AMT (GNMA), 7.20%, 3/01/33	60	60,945
	Manatee County Housing Finance Authority, Refunding RB, S/F, Sub-Series 1, AMT (GNMA), 6.25%, 11/01/28	265	270,435
	Miami-Dade County Housing Finance Authority Florida, RB, Mortgage, Marbrisa Apartments Project, Series 2A, AMT (FSA), 6.00%, 8/01/26	2,185	2,237,527

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20,024,339

State - 1.0%	Florida Municipal Loan Council, RB, Series B (MBIA), 5.38%, 11/01/25	1,285	1,298,338
	Florida Municipal Loan Council, RB, Series B (MBIA), 5.38%, 11/01/30	3,650	3,670,622
			4,968,960

Transportation - 20.1%	County of Lee Florida, RB, Series A, AMT (FSA), 6.00%, 10/01/29	19,925	20,191,995
	County of Miami-Dade Florida, RB, Miami International Airport, Series A, AMT (FSA), 5.50%, 10/01/41	11,400	11,415,618

BlackRock MuniHoldings Insured Investment Fund (MFL)
Schedule of Investments November 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

State	Municipal Bonds	Par (000)	Value
	County of Miami-Dade Florida, RB, Miami International Airport, Series A, AMT (MBIA), 6.00%, 10/01/29	\$ 8,000	\$ 8,111,920
	County of Miami-Dade Florida, RB, Series A, AMT (FSA), 5.00%, 10/01/33	10,010	9,463,154
	County of Miami-Dade Florida, RB, Series A, AMT (FSA), 5.13%, 10/01/35	11,105	10,711,328
	Hillsborough County Aviation Authority Florida, Refunding RB, Series C, AMT (AGC), 5.75%, 10/01/26	2,875	3,002,219
	Jacksonville Port Authority, RB, AMT (AGC), 6.00%, 11/01/38	6,740	6,836,652
	Miami-Dade County Expressway Authority Florida, RB, Series B (MBIA), 5.25%, 7/01/27	8,995	9,230,129
	Miami-Dade County Expressway Authority Florida, Refunding RB (MBIA), 5.13%, 7/01/25	12,250	12,449,430
	Miami-Dade County IDA, RB, Airis Miami II LLC Project, AMT (AMBAC), 6.00%, 10/15/19	4,280	4,210,921
	Orlando & Orange County Expressway Authority, RB, Series B (AMBAC), 5.00%, 7/01/30	475	479,788
	Orlando & Orange County Expressway Authority, RB, Series B (AMBAC), 5.00%, 7/01/35	7,945	7,809,538
			103,912,692
Utilities - 18.6%	City of Jacksonville Florida, RB, United Water of Florida Project, AMT (AMBAC), 6.35%, 8/01/25	1,500	1,500,735
	City of Miami Beach Florida, RB (MBIA), 5.75%, 9/01/16	1,630	1,697,645
	City of Miami Beach Florida, RB (MBIA), 5.25%, 9/01/20	1,000	1,034,330
	City of Miami Beach Florida, RB (MBIA), 5.25%, 9/01/25	4,400	4,458,388
	City of Miami Beach Florida, RB (MBIA), 5.38%, 9/01/30	1,910	1,926,178
	City of Miami Beach Florida, RB, Water and Sewer (AMBAC), 5.75%, 9/01/25	10,600	10,897,542
	City of Panama City Florida, RB, Series B (MBIA), 5.25%, 10/01/22	3,000	3,073,050
	City of Port St. Lucie Florida, RB (MBIA), 5.25%, 9/01/26	1,280	1,306,304
	City of Port St. Lucie Florida, RB (MBIA), 5.25%, 9/01/27	1,345	1,368,053
	City of Sunrise Florida, Refunding RB (AMBAC), 5.20%, 10/01/22	2,250	2,411,438
	County of Miami-Dade Florida, RB (FSA), 5.50%, 10/01/15	2,945	3,168,202
	County of Miami-Dade Florida, RB (FSA), 5.50%, 10/01/16	3,105	3,340,328
	County of Miami-Dade Florida, RB (MBIA), 5.25%, 10/01/30	365	372,691

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County of Nassau Florida, RB (MBIA), 5.13%, 9/01/33	2,675	2,677,033
County of St. John s Florida, RB (FSA), 5.00%, 10/01/31	3,200	3,241,184
County of St. John s Florida, RB (FSA), 5.00%, 10/01/35	1,270	1,262,075
County of St. John s Florida, RB (FSA), 5.00%, 10/01/37	7,000	6,896,050
Emerald Coast Utilities Authority, RB, System (MBIA), 5.25%, 1/01/26	1,130	1,172,804
Emerald Coast Utilities Authority, RB, System (MBIA), 5.25%, 1/01/36	1,395	1,392,963
St. Lucie West Services District, RB (MBIA), 5.25%, 10/01/34	1,720	1,728,445
St. Lucie West Services District, RB (MBIA), 5.00%, 10/01/38	4,750	4,540,288

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Schedule of Investments November 30, 2009 (Unaudited)

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State	Municipal Bonds	Par (000)	Value
	St. Lucie West Services District, Refunding RB, Senior Lien (MBIA), 6.00%, 10/01/22	\$ 3,250	\$ 3,408,340
	Tampa Bay Water Utility System Florida, RB (FGIC), 6.00%, 10/01/11 (a)	30,335	33,327,244
			96,201,310
	Total Municipal Bonds in Florida		365,354,853
Georgia - 7.4%			
County/City/Special District/School District - 1.9%	Metropolitan Atlanta Rapid Transit Authority, RB, Third Indenture, Series B (FSA), 5.00%, 7/01/34	9,240	9,593,984
Health - 1.2%	Gwinnett County Hospital Authority, Refunding RB, Gwinnett Hospital System, Series D (FSA), 5.50%, 7/01/41	6,445	6,425,472
Transportation - 2.8%	City of Atlanta Georgia, RB, General, Subordinate Lien, Series C (FSA), 5.00%, 1/01/33	14,700	14,679,420
Utilities - 1.5%	Augusta-Richmond County Georgia, RB (FSA), 5.25%, 10/01/39	4,350	4,471,061
	County of Fulton Georgia, RB (MBIA), 5.25%, 1/01/35	3,000	3,058,320
			7,529,381
	Total Municipal Bonds in Georgia		38,228,257
Illinois - 3.1%			
County/City/Special District/School District - 0.8%	Chicago Board of Education Illinois, GO, Refunding, Chicago School Reform Board, Series A (MBIA), 5.50%, 12/01/26	3,745	4,181,967
Transportation - 1.4%	Chicago Transit Authority, RB, Federal Transit Administration Section 5309, Series A (AGC), 6.00%, 6/01/26	6,315	7,175,040
Utilities - 0.9%	City of Chicago Illinois, Refunding RB, Second Lien (MBIA), 5.50%, 1/01/30	4,075	4,434,374
	Total Municipal Bonds in Illinois		15,791,381

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Indiana - 2.5%

Utilities - 2.5%	Indianapolis Local Public Improvement Bond Bank, Refunding RB, Waterworks Project, Series A (AGC), 5.50%, 1/01/38	12,140	12,869,371
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Total Municipal Bonds in Indiana 12,869,371

Iowa - 1.1%

Health - 1.1%	Iowa Finance Authority, Refunding RB, Iowa Health System (AGC), 5.25%, 2/15/29	5,500	5,604,115
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Total Municipal Bonds in Iowa 5,604,115

Kentucky - 1.3%

State - 0.8%	Kentucky State Property & Buildings Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/28	4,000	4,313,520
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Utilities - 0.5%	Kentucky Municipal Power Agency, RB, Prairie State Project, Series A (BHAC), 5.25%, 9/01/42	2,570	2,625,589
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Total Municipal Bonds in Kentucky 6,939,109

Louisiana - 1.5%

State - 1.2%	Louisiana State Citizens Property Insurance Corp., RB, Series C-3 (AGC), 6.13%, 6/01/25	5,475	6,146,728
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Transportation - 0.3%	New Orleans Aviation Board Louisiana, Refunding RB, Restructuring Garbs, Series A-1 (AGC), 6.00%, 1/01/23	500	564,960
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BlackRock MuniHoldings Insured Investment Fund (MFL)
 Schedule of Investments November 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

State	Municipal Bonds	Par (000)	Value
	New Orleans Aviation Board Louisiana, Refunding RB, Restructuring Garbs, Series A-2 (AGC), 6.00%, 1/01/23	\$ 720	\$ 813,542
			1,378,502
	Total Municipal Bonds in Louisiana		7,525,230
Michigan - 14.2%			
County/City/Special District/School District - 1.3%	Michigan State Building Authority, Refunding RB, Facilities Program, Series I (AGC), 5.25%, 10/15/22	6,150	6,668,814
Health - 1.3%	Royal Oak Hospital Finance Authority Michigan, Refunding RB, William Beaumont Hospital, 8.25%, 9/01/39	5,780	6,680,293
State - 0.9%	Michigan State Building Authority, Refunding RB, Facilities Program, Series I (AGC), 5.25%, 10/15/24	2,755	2,937,133
	Michigan State Building Authority, Refunding RB, Facilities Program, Series I (AGC), 5.25%, 10/15/25	1,435	1,516,695
			4,453,828
Utilities - 10.7%	City of Detroit Michigan, RB, Senior Lien, Series B (FSA), 7.50%, 7/01/33	2,220	2,612,518
	City of Detroit Michigan, RB, Second Lien, Series B (FSA), 6.25%, 7/01/36	6,320	6,795,896
	City of Detroit Michigan, RB, Second Lien, Series B (FSA), 7.00%, 7/01/36	850	952,705
	City of Detroit Michigan, RB, Second Lien, Series B (MBIA), 5.50%, 7/01/29	7,490	7,351,060
	City of Detroit Michigan, RB, System, Second Lien, Series A (BHAC), 5.50%, 7/01/36	20,540	21,104,439
	City of Detroit Michigan, Refunding RB, Senior Lien, Series C-1 (FSA), 7.00%, 7/01/27	9,055	10,364,715
	City of Detroit Michigan, Refunding RB, Second Lien, Series E (BHAC), 5.75%, 7/01/31	6,000	6,401,340
			55,582,673
	Total Municipal Bonds in Michigan		73,385,608
Minnesota - 2.1%			
Health - 2.1%	City of Minneapolis Minnesota, Refunding RB, Fairview Health Services, Series B (AGC), 6.50%, 11/15/38	9,900	10,938,906

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Total Municipal Bonds in Minnesota			10,938,906
New Jersey - 2.2%			
Health - 1.3%	New Jersey Health Care Facilities Financing Authority, RB, Virtua Health (AGC), 5.50%, 7/01/38	6,500	6,665,165
State - 0.9%	New Jersey EDA, RB, School Facilities Construction, Series Z (AGC), 6.00%, 12/15/34	4,350	4,835,329
Total Municipal Bonds in New Jersey			11,500,494
New York - 4.7%			
County/City/Special District/School District - 2.0%	New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-3, 5.25%, 1/15/39	5,625	5,809,950
	New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-4 (AGC), 5.50%, 1/15/29	4,000	4,374,720
			10,184,670

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State	Municipal Bonds	Par (000)	Value
State - 2.7%	New York State Dormitory Authority, RB, Education, Series B, 5.25%, 3/15/38	\$ 13,500	\$ 14,052,825
Total Municipal Bonds in New York			24,237,495
Puerto Rico - 1.3%			
State - 1.3%	Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.38%, 8/01/39	6,610	6,967,667
Total Municipal Bonds in Puerto Rico			6,967,667
Texas - 12.4%			
County/City/Special District/School District - 2.1%	City of Dallas Texas, Refunding RB (AGC), 5.25%, 8/15/38	4,000	4,039,080
	County of Bexar Texas, RB, Venue Project, Motor Vehicle Rental (BHAC), 5.00%, 8/15/39 (b)	4,120	4,125,438
	Lubbock Cooper ISD Texas, GO, School Building (AGC), 5.75%, 2/15/42	2,300	2,425,695
			10,590,213
Health - 0.7%	Harris County Health Facilities Development Corp., Refunding RB, Memorial Hermann Healthcare System, Series B, 7.25%, 12/01/35	1,500	1,668,660
	Tarrant County Cultural Education Facilities Finance Corp., Refunding RB, Christus Health, Series A (AGC), 6.50%, 7/01/37	1,770	1,930,822
			3,599,482
Transportation - 2.7%	North Texas Tollway Authority, RB, System, First Tier, Series K-1 (AGC), 5.75%, 1/01/38	6,400	6,722,944
	North Texas Tollway Authority, Refunding RB, System, First Tier, Series A (AGC), 5.75%, 1/01/40	7,000	7,307,510
			14,030,454
Utilities - 6.9%	City of Houston Texas, Refunding RB, Combined, First Lien, Series A (AGC), 6.00%, 11/15/35	12,700	14,394,180
	City of Houston Texas, Refunding RB, Combined, First Lien, Series A (AGC), 6.00%, 11/15/36	9,435	10,703,064
	City of Houston Texas, Refunding RB, Combined, First Lien, Series A (AGC), 5.38%, 11/15/38	5,000	5,228,000
			5,325
			5,515,475

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Lower Colorado River Authority, Refunding RB, LCRA
Transmission Services Project (AGC), 5.50%, 5/15/36

			35,840,719
Total Municipal Bonds in Texas			64,060,868
Utah - 1.4%			
Health - 1.4%	City of Riverton Utah, RB, IHC Health Services Inc., 5.00%, 8/15/41	7,795	7,494,970
Total Municipal Bonds in Utah			7,494,970
Virginia - 1.0%			
State - 1.0%	Virginia Public School Authority, RB, School Financing, 6.50%, 12/01/35	4,300	4,906,945
Total Municipal Bonds in Virginia			4,906,945
Total Municipal Bonds - 136.6%			705,538,064

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State	Municipal Bonds Transferred to Tender Option Bond Trusts (c)	Par (000)	Value
California - 0.5%			
County/City/Special District/School District - 0.5%	Los Angeles Unified School District California, GO, Series I, 5.00%, 1/01/34	\$ 2,400	\$ 2,350,536
Total Municipal Bonds Transferred to Tender Option Bond Trusts in California			2,350,536
District of Columbia - 0.7%			
Utilities - 0.7%	District of Columbia Water & Sewer Authority, RB, Series A, 6.00%, 10/01/35	3,380	3,749,210
Total Municipal Bonds Transferred to Tender Option Bond Trusts in District of Columbia			3,749,210
Florida - 9.6%			
County/City/Special District/School District - 2.0%	City of Jacksonville Florida, RB, Better Jacksonville (MBIA), 5.00%, 10/01/27	10,000	10,241,000
Housing - 2.4%	Lee County Housing Finance Authority, RB, Multi-County Program, Series A-2, AMT (GNMA), 6.00%, 9/01/40	7,140	7,812,445
	Manatee County Housing Finance Authority, RB, Series A, AMT (GNMA), 5.90%, 9/01/40	4,253	4,436,938
			12,249,383
Transportation - 2.1%	Hillsborough County Aviation Authority Florida, RB, Series A, AMT (AGC), 5.50%, 10/01/38	10,657	10,685,594
Utilities - 3.1%	Jacksonville Electric Authority Florida, RB, Issue Three, Series Two, River Power Park, 5.00%, 10/01/37	6,080	5,989,712
	Polk County School Board, COP, Master Lease, Series A (FSA), 5.50%, 1/01/25	9,890	10,173,546
			16,163,258
Total Municipal Bonds Transferred to Tender Option Bond Trusts in Florida			49,339,235
Kentucky - 0.1%			
State - 0.1%		404	434,774

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Kentucky State Property & Buildings Commission,
 Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/27

Total Municipal Bonds Transferred to Tender Option Bond Trusts in Kentucky			434,774
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Nevada - 2.7%

County/City/Special District/School District - 2.7%	Clark County Water Reclamation District, GO, Limited Tax, 6.00%, 7/01/38	8,000	8,709,760
	Clark County Water Reclamation District, GO, Series B, 5.50%, 7/01/29	5,008	5,427,305

Total Municipal Bonds Transferred to Tender Option Bond Trusts in Nevada			14,137,065
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New Jersey - 1.5%

Housing - 1.5%	New Jersey State Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29	7,532	7,698,830
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Total Municipal Bonds Transferred to Tender Option Bond Trusts in New Jersey			7,698,830
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BlackRock MuniHoldings Insured Investment Fund (MFL)
 Schedule of Investments November 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

State	Total Municipal Bonds Transferred to Tender Option Bond Trusts (c)	Par (000)	Value
New York - 1.0%			
Utilities - 1.0%	New York City Municipal Water Finance Authority, RB, Series FF-2, 5.50%, 6/15/40	\$ 4,993	\$ 5,353,905
Total Municipal Bonds Transferred to Tender Option Bond Trusts in New York			5,353,905
Texas - 2.4%			
Utilities - 2.4%	City of San Antonio Texas, Refunding RB, Series A, 5.25%, 2/01/31	12,028	12,689,035
Total Municipal Bonds Transferred to Tender Option Bond Trusts in Texas			12,689,035
Total Municipal Bonds Transferred to Tender Option Bond Trusts - 18.5%			95,752,590
Total Long-Term Investments (Cost - \$780,616,619) - 155.1%			801,290,654
Short-Term Securities			
New York - 4.8%			
	Metropolitan Transportation Authority, Refunding RB, VRDN, Series D-1 (FSA), 0.30%, 12/07/09 (d)	24,900	24,900,000
Shares			
Money Market Fund - 2.8%			
	FFI Institutional Tax-Exempt Fund, 0.23% (e)(f)	14,200,000	14,200,000
Total Short-Term Securities (Cost - \$39,100,000) - 7.6%			39,100,000
Total Investments (Cost - \$819,716,619*) - 162.7%			840,390,654
Other Assets Less Liabilities - 0.3%			1,584,935
Liability for Trust Certificates, Including Interest Expense and Fees Payable - (9.8)%			(50,860,933)
Preferred Shares, at Redemption Value - (53.2)%			(274,670,299)

Net Assets Applicable to Common Shares - 100.0%

\$ 516,444,357

- * The cost and unrealized appreciation (depreciation) of investments as of November 30, 2009, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 761,081,315
Gross unrealized appreciation	\$ 33,528,504
Gross unrealized depreciation	(5,029,700)
Net unrealized appreciation	\$ 28,498,804

- (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) When-issued security. Unsettled when-issued transactions were as follows:

Counterparty	Value	Unrealized Appreciation
Cabrera	\$ 4,125,438	\$ 37,232

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

BlackRock MuniHoldings Insured Investment Fund (MFL)
Schedule of Investments November 30, 2009 (Unaudited)

- (d) Security may have a maturity of more than one year at time of issuance, but has variable rate and demand features that qualify it as a short-term security. Rate shown is as of report date and maturity shown is the date the principal owed can be recovered through demand.
- (e) Investments in companies considered to be an affiliate of the Fund, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, were as follows:

Affiliate	Net Activity	Income
FFI Institutional Tax-Exempt Fund	\$ (12,805,779)	\$ 13,415

- (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 methodology 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 annual report.

The following table summarizes the inputs used as of November 30, 2009 in determining the fair valuation of the Fund's investments:

Valuation Inputs	Investments in Securities
	Assets
Level 1 - Short-Term Securities	\$ 14,200,000
Level 2 - Long-Term Investments ¹	801,290,654
Short-Term Securities	24,900,000
Total - Level 2	826,190,654

Level 3	
<hr/>	
Total	\$ 840,390,654

¹ See above Schedule of Investments for values in each state or political subdivision.

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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 Insured Investment Fund

By: /s/ Anne F. Ackerley
Anne F. Ackerley
Chief Executive Officer of
BlackRock MuniHoldings Insured Investment Fund

Date: January 22, 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 Insured Investment Fund

Date: January 22, 2010

By: /s/ Neal J. Andrews
Neal J. Andrews
Chief Financial Officer (principal financial officer) of
BlackRock MuniHoldings Insured Investment Fund

Date: January 22, 2010