

BLACKROCK MUNIHOLDINGS CALIFORNIA INSURED FUND, INC.

Form N-Q

December 23, 2009

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 811-08573

Name of Fund: BlackRock MuniHoldings California Insured Fund, Inc. (MUC)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock
MuniHoldings California Insured Fund, Inc., 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: 07/31/2010

Date of reporting period: 10/31/2009

Item 1 Schedule of Investments

BlackRock MuniHoldings California Insured Fund, Inc. (MUC)

Schedule of Investments October 31, 2009 (Unaudited)		(Percentages shown are based on Net Assets)	
	Municipal Bonds	Par (000)	Value
California - 124.4%			
Corporate - 0.4%	City of Chula Vista California, RB, San Diego Gas, Series A, 5.88%, 2/15/34	\$ 2,435	\$ 2,626,367
County/City/Special District/			
School District - 54.5%	Alameda County Joint Powers Authority, RB, Lease Revenue (FSA), 5.00%, 12/01/34	13,150	13,297,674
	Banning Unified School District, California, GO, Election of 2006, Series A (MBIA), 5.00%, 8/01/27	2,825	2,850,086
	Bonita Unified School District, California, GO, Election of 2004, Series B (BHAC), 5.00%, 8/01/31	5,000	5,146,800
	Bonita Unified School District, California, GO, Election of 2004, Series B (MBIA), 5.00%, 8/01/29	8,350	8,468,820
	Cajon Valley Union School District, California, GO, Series B (MBIA), 5.50%, 8/01/27	2,925	3,032,728
	Central Unified School District, GO, Election of 2008, Series A (AGC), 5.63%, 8/01/33	2,600	2,792,530
	City of Garden Grove California, COP, Series A, Financing Project (AMBAC), 5.50%, 3/01/26	4,040	4,233,556
	City of Lodi California, COP, Series A (FSA), 5.00%, 10/01/32	2,000	1,986,420
	Coachella Valley Unified School District, California, GO, Election, Series A (MBIA), 5.00%, 8/01/27	2,400	2,416,512
	Colton Joint Unified School District, GO, Series A (MBIA), 5.38%, 8/01/26	2,500	2,561,325
	Corona Department of Water & Power, COP (MBIA), 5.00%, 9/01/29	5,910	5,927,375
	Corona-Norca Unified School District, California, GO, Election of 2006, Series A (FSA), 5.00%, 8/01/31	5,000	5,037,950
	County of Kern California, COP, Capital Improvement Projects, Series A (AGC), 6.00%, 8/01/35	3,500	3,837,925
	County of San Joaquin California, COP, County Administration Building (MBIA), 5.00%, 11/15/30	5,530	5,314,164
	Covina-Valley Unified School District, California, GO, Series A (FSA), 5.50%, 8/01/26	2,395	2,534,173
	Culver City Redevelopment Finance Authority, California,		

TAN, Refunding, Tax Allocation, Series A (FSA), 5.60%,

11/01/25

3,750

3,832,087

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.	GO	General Obligation Bonds
AMBAC	American Municipal Bond Assurance Corp.	HFA	Housing Finance Agency
AMT	Alternative Minimum Tax (subject to)	MBIA	Municipal Bond Investors Assurance (National Public Finance Guaranty Corp.)
BHAC	Berkshire Hathaway Assurance Corp.	RB	Revenue Bonds
CAB	Capital Appreciation Bonds	S/F	Single-Family
COP	Certificates of Participation	TAN	Tax Anticipation Notes
FSA	Financial Security Assurance Inc.		

BlackRock MuniHoldings California Insured Fund, Inc. (MUC)

(Percentages shown are based on Net
Assets)

Schedule of Investments October 31, 2009 (Unaudited)

	Municipal Bonds	Par (000)	Value
District, GO, Series	Desert, California, Community College		
	C, 5.00%, 8/01/37	\$ 13,600	\$ 13,826,168
District-Santa Clara County,	East Side Union High School		
Series E	California, GO, CAB, Election of 2002,		
8/01/28 (a)	(Syncora), 5.12%,	11,000	3,571,150
District, California, GO,	Fullerton Joint Union High School		
5.00%, 8/01/29	Election of 2002, Series B (MBIA),	5,200	5,348,720
California, GO, Election of	Hemet Unified School District,		
(AGC), 5.13%, 8/01/37	2006, Series B	4,500	4,523,265
District CA, GO, Election	Los Angeles Community College		
(MBIA), 5.00%, 8/01/32	of 2001, Series A	11,500	11,781,290
Redevelopment Agency, California,	Los Angeles Community		
Project, Series A (FSA),	RB, Bunker Hill		
	5.00%, 12/01/27	10,000	10,097,900
Transportation Authority,	Los Angeles County Metropolitan		
Series A (AMBAC), 5.00%,	RB, Property A First Tier Senior,		
	7/01/35	9,000	9,177,300
California, GO,	Los Angeles Unified School District,		
5.00%, 7/01/32	Election of 2004, Series H (FSA),	5,000	5,076,000
California, GO, Election of	Los Gatos Union School District,		
		2,735	2,783,437

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5.00%, 8/01/30	2001, Series B (FSA),		
School District, GO,	Marysville California Joint Unified		
(AGC), 5.13%, 8/01/34	Election of 2008	6,915	6,964,581
California, GO, School	Merced Community College District,		
(MBIA), 5.00%,	Facilities Improvement District No. 1		
California, GO, Election of	8/01/31	6,365	6,256,795
8/01/32	Natomas Unified School District		
GO, Ohlone, Series B	2006 (BHAC), 5.00%,	3,000	3,011,250
8/01/30	Ohlone Community College District,		
Tax (AMBAC), 5.00%,	(FSA), 5.00%,	5,000	5,132,800
California, GO, Election	Poway Unified School District, Special		
5.25%, 7/01/33	9/15/31	9,070	8,618,223
District, GO, Election of	Redlands Unified School District,		
8/01/31	of 2008 (FSA),	5,000	5,190,050
California, GO, Election	Redwoods Community College		
(MBIA), 5.00%, 8/01/30	2004 (MBIA), 5.00%,	4,630	4,551,290
District, California, GO	Riverside Unified School District,		
8/01/29	of 2001, Series B	10,735	10,652,018
California, GO, Election	Saddleback Valley Unified School		
(MBIA), 5.00%, 6/01/26	(FSA), 5.00%,	4,115	4,217,793
District, California, GO,	Salinas Union High School District,		
	of 2002, Series B	3,490	3,491,780
	San Bernardino Community College		
		17,770	18,229,177

Election of 2002, Series C (FSA),

5.00%, 8/01/31

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Assets)

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	Municipal Bonds	Par (000)	Value
Financing Authority, 7/01/34	San Francisco Bay Area Transit Refunding RB, Series A (MBIA), 5.00%,	\$ 2,500	\$ 2,530,575
District, California, GO, 5.00%, 6/15/31	San Francisco Community College Election of 2001, Series C (FSA),	4,195	4,301,721
College District, California, 2004, Series A (MBIA),	San Jose Evergreen Community GO, CAB, Election of		
College District, California, 2004, Series A (MBIA),	5.17%, 9/01/24 (a) San Jose Evergreen Community	10,410	4,491,395
Center Project, 5.00%, 6/01/32	GO, CAB, Election of 5.34%, 9/01/29 (a) San Jose Financing Authority, RB, Civic	7,250	2,223,503
California, GO, Election 5.00%, 8/01/28	Series B (AMBAC), San Juan Unified School District, of 2002 (MBIA),	14,800	14,927,872
District, California, 6/01/29	San Mateo County Transportation Refunding RB, Series A (MBIA), 5.00%, Sanger Unified School District,	4,250	4,259,775
California, GO, Election of 5.00%, 8/01/27	2006, Series A (FSA), Santa Clara Redevelopment Agency,	5,650	5,852,835
California, TAN, (AMBAC), 5.50%, 6/01/23	Bayshore North Project, Series A	7,345	7,501,081
		10,000	10,049,100

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5.00%, 8/01/32	Santa Monica-Malibu Unified School District, California, GO, Election of 2006, Series A (MBIA),	5,000	5,115,750
California, GO, Election of 8/01/28	Santa Rosa High School District, 2002 (MBIA), 5.00%,	2,855	2,861,567
California, GO, Nevada, Series A (MBIA),	Sierra Joint Community College District, Improvement District 2, Western		
COP, Refinancing	5.00%, 8/01/28 Snowline Joint Unified School District,	1,550	1,554,433
5.75%, 9/01/38	Program (AGC),	5,635	6,156,688
Agency, California, Facilities District	Tracy Area Public Facilities Financing Special Tax, Refunding, Community		
(MBIA), 5.88%, 10/01/19	No. 87, Series H	4,125	4,150,616
GO, Series B	Vista Unified School District, California,		
8/01/28	(MBIA), 5.00%,	2,550	2,555,865
Series A (FSA), 5.00%,	Walnut Valley Unified School District, California, GO, Election of 2007, Measure S,		
County, California,	2/01/33 Washington Unified School District-Yolo	2,000	2,046,840
2004, Series A (MBIA),	GO, CAB, Election of		
District, California, GO,	5.07%, 8/01/29 (a) West Contra Costa Unified School	6,075	1,875,292
5.08%, 8/01/29 (a)	CAB, Election of 2002, Series C (MBIA),	5,825	1,684,765
District, California, GO,	West Contra Costa Unified School		
5.00%, 8/01/32	Election of 2002, Series B (FSA),	6,690	6,662,437

BlackRock MuniHoldings California Insured Fund, Inc. (MUC)

Schedule of Investments October 31, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

		Par (000)	Value
	Municipal Bonds		
	West Contra Costa Unified School District, California, GO, Election of 2005, Series A (FSA), 5.00%, 8/01/26	\$ 2,595	\$ 2,641,502
	Westminster Redevelopment Agency, California, TAN, Subordinate, Commercial Redevelopment Project No. 1 (AGC), 6.25%, 11/01/39	4,300	4,903,376
			314,118,100
Education - 7.5%	California State Public Works Board, RB, University California, Institute Project, Series C (AMBAC), 5.00%, 4/01/30	5,000	5,032,800
	California State University, RB, Systemwide, Series A (FSA), 5.00%, 11/01/29	5,000	5,115,200
	California State University, RB, Systemwide, Series A (FSA), 5.00%, 11/01/39	8,320	8,240,794
	University of California, RB, General, Series A (AMBAC), 5.00%, 5/15/27	10,500	10,832,850
	University of California, RB, Limited Project, Series D (FSA), 5.00%, 5/15/37	5,950	5,983,261
	University of California, RB, Limited Project, Series D (FSA), 5.00%, 5/15/41	8,000	8,009,760
			43,214,665
Health - 3.9%	ABAG Finance Authority for Nonprofit Corp., RB, Sharp Healthcare, 6.25%, 8/01/39	5,000	5,373,400
	California Health Facilities Financing Authority, California, RB, Catholic Healthcare West, Series A, 6.00%, 7/01/34	3,700	3,887,960
	California Statewide Communities Development Authority, RB, Health Facilities, Memorial Health Services, Series A, 6.00%, 10/01/23	4,915	5,094,053
	California Statewide Communities Development Authority, RB, Los Angeles Orthopedic Hospital Foundation (AMBAC), 5.50%, 6/01/19	1,090	1,089,924
	California Statewide Communities Development Authority, RB, Adventist, Series B (AGC), 5.00%, 3/01/37	7,000	6,796,440
			22,241,777
Housing - 0.1%	California HFA, RB, Series A-1, Class II, AMT (MBIA), 6.00%, 8/01/20	170	170,158

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	California Housing Finance Agency, RB, S/F Mortgage, Series C-2, Class II, AMT (MBIA), 5.63%, 8/01/20	335	335,010 505,168
State - 5.8%	California Community College Financing Authority, California, RB, Grossmont, Palomar, Shasta, Series A (MBIA), 5.63%, 4/01/26	2,180	2,200,209
	California State Public Works Board, RB, Department Education, Riverside Campus Project, Series B, 6.50%, 4/01/34	3,500	3,818,955

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	Par (000)	Value
Municipal Bonds		
California State University, RB, Systemwide, Series C (MBIA), 5.00%, 11/01/28	\$ 16,215	\$ 16,151,924
State of California, GO, Various Purpose, 6.50%, 4/01/33	10,000	11,052,100
		33,223,188
Transportation - 15.0%		
City of Fresno, California, RB, Series B, AMT (FSA), 5.50%, 7/01/20	4,455	4,482,487
City of Long Beach, California, RB, Series B, AMT (MBIA), 5.20%, 5/15/27	16,000	15,841,760
County of Orange, California, RB, Series B, 5.75%, 7/01/34	6,345	6,826,459
County of Sacramento, California, RB, Senior, Series B, 5.75%, 7/01/39	2,650	2,837,302
Port of Oakland, RB, Series K, AMT (MBIA), 5.75%, 11/01/29	19,660	19,678,284
Port of Oakland, RB, Series L, AMT (MBIA), 5.38%, 11/01/27	25,350	24,877,222
San Francisco City & County Airports Commission, RB, Second Series, Issue 24A, AMT (FSA), 5.50%, 5/01/24	6,430	6,488,192
San Francisco City & County Airports Commission, Refunding RB, Second Series Issue 34E, AMT (FSA), 5.75%, 5/01/24	5,000	5,218,450
		86,250,156
Utilities - 37.2%		
City of Escondido, California, COP, Series A (MBIA), 5.75%, 9/01/24	465	479,508
City of Glendale, California, RB (AGC), 5.00%, 2/01/31	5,000	5,142,600
City of Napa, California, RB (AMBAC), 5.00%, 5/01/35	9,100	9,265,165
City of Santa Clara, California, RB, Sub-Series A (MBIA), 5.00%, 7/01/28	6,050	6,057,623
East Bay Municipal Utility District, RB, Sub-Series A (MBIA), 5.00%, 6/01/35	11,920	12,252,568
East Bay Municipal Utility District, Refunding RB, Sub-Series A (AMBAC), 5.00%, 6/01/33	6,545	6,727,671
East Bay Municipal Utility District, Refunding RB, Sub-Series A (AMBAC), 5.00%, 6/01/37	14,515	14,845,361
Los Angeles Department of Water & Power, RB, System, Sub-Series A-1 (AMBAC), 5.00%, 7/01/36	4,385	4,454,283

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Los Angeles Department of Water & Power, RB, System, Sub-Series A-2 (AMBAC), 5.00%, 7/01/35	2,000	2,032,740
Los Angeles Department of Water & Power, RB, System, Sub-Series A-2 (FSA), 5.00%, 7/01/35	7,500	7,622,775
Metropolitan Water District of Southern California, RB, Authority, Series B-1 (MBIA), 5.00%, 10/01/33	9,000	9,140,310
Metropolitan Water District of Southern California, RB, Series A (FSA), 5.00%, 7/01/35	13,550	13,803,385

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	Par (000)	Value	
Municipal Bonds			
Oxnard Financing Authority, RB, Project (MBIA), 5.00%, 6/01/31	\$ 10,000	\$ 9,831,000	
Oxnard Financing Authority, RB, Redwood Trunk Sewer & Headworks, Series A (MBIA), 5.25%, 6/01/34	13,000	12,999,350	
Sacramento City Financing Authority, California, Refunding RB (MBIA), 5.00%, 12/01/29	8,775	8,940,497	
Sacramento Municipal Utility District, RB, Cosumnes Project (MBIA), 5.13%, 7/01/29	36,760	37,453,661	
Sacramento Regional County Sanitation District, RB (MBIA), 5.00%, 12/01/36	4,500	4,565,340	
San Diego County Water Authority, COP, Series A (MBIA), 5.00%, 5/01/32	10,000	10,099,100	
San Francisco City & County Public Utilities Commission, RB, Series A (MBIA), 5.00%, 11/01/32	15,000	15,099,600	
San Francisco City & County Public Utilities Commission, RB, Series B, 5.00%, 11/01/30	16,705	17,208,823	
Turlock Public Financing Authority, California, RB, Series A (MBIA), 5.00%, 9/15/33	6,655	6,698,856	
		214,720,216	
Total Municipal Bonds in California		716,899,637	
Puerto Rico - 0.9%			
County/City/Special District/School District - 0.9%			
Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.50%, 8/01/44	5,000	5,407,500	
Total Municipal Bonds in Puerto Rico		5,407,500	
Total Municipal Bonds - 125.3%		722,307,137	
Municipal Bonds Transferred to Tender Option Bond Trusts (b)			
California - 18.4%			
County/City/Special District/School District - 18.4%			
Chaffey Community College District, GO, Election of 2002, Series B (MBIA), 5.00%, 6/01/30	9,905	10,161,897	
Contra Costa Community College District, California, GO, Election of 2002 (MBIA), 5.00%, 8/01/28	7,800	8,021,832	
Los Angeles Community College District, California, GO, Election of 2003, Series E (FSA), 5.00%, 8/01/31	11,216	11,512,637	

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Los Angeles Community College District, California, GO, Election of 2008, Series A, 6.00%, 8/01/33	9,596	10,842,974
Peralta Community College District, California, GO, Election of 2000, Series D (FSA), 5.00%, 8/01/35	15,490	15,712,901
Peralta Community College District, California, GO (FSA), 5.00%, 8/01/32	6,980	7,155,268
Poway Unified School District, GO, Election of 2002 Improvement District 02, Series 1-B (FSA), 5.00%, 8/01/30	10,000	10,113,500
Riverside Community College District, GO, Election of 2004, Series C (MBIA), 5.00%, 8/01/32	8,910	9,133,730

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Schedule of Investments October 31, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

	Par (000)	Value
Municipal Bonds Transferred to Tender Option Bond Trusts (b)		
San Diego Community College District, California, GO, Election of 2002 (FSA), 5.00%, 5/01/30	\$ 12,549	\$ 12,869,965
Vista Unified School District, California, GO, Series A (FSA), 5.25%, 8/01/25	10,016	10,442,827
		105,967,531
Education - 5.2%		
University of California, RB, Limited Project, Series B (FSA), 5.00%, 5/15/33	17,400	17,476,734
University of California, RB, Series O, 5.75%, 5/15/34	11,190	12,374,909
		29,851,643
Transportation - 4.1%		
San Francisco Bay Area Transit Financing Authority, Refunding RB, Series A (MBIA), 5.00%, 7/01/30	23,100	23,647,701
Utilities - 5.4%		
Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1 (FSA), 5.00%, 7/01/31	4,993	5,133,562
Rancho Water District Financing Authority, California, Refunding RB, Series A (FSA), 5.00%, 8/01/34	5,008	5,096,723
San Diego County Water Authority, COP, Refunding, Series 2008-A, COP (FSA), 5.00%, 5/01/33	16,740	16,774,484
San Diego County Water Authority, COP, Series A (FSA), 5.00%, 5/01/31	4,000	4,026,760
		31,031,529
Total Municipal Bonds Transferred to Tender Option Bond Trusts - 33.1%		190,498,404
Total Long-Term Investments (Cost - \$913,924,774) - 158.4%		912,805,541
Short-Term Securities	Shares	
CMA California Municipal Money Fund, 0.04% (c)(d)	4,801,887	4,801,887
Total Short-Term Securities (Cost - \$4,801,887) - 0.8%		4,801,887
Total Investments (Cost - \$918,726,661*) - 159.2%		917,607,428
Other Assets Less Liabilities - 3.2%		18,269,518
Liability for Trust Certificates, Including Interest Expense and Fees Payable - (18.3)%		(105,332,465)
Preferred Shares, at Redemption Value - (44.1)%		(254,019,076)
Net Assets Applicable to Common Shares - 100.0%		\$ 576,525,405

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* The cost and unrealized appreciation (depreciation) of investments as of October 31, 2009,

as computed for federal income tax purposes, were as follows:

Aggregate cost	\$ 820,126,547	
Gross unrealized appreciation	\$ 20,741,312	
Gross unrealized depreciation		(13,019,289)
Net unrealized appreciation	\$ 7,722,023	

(a) Represents a zero-coupon bond. Rate shown is as of report date.

(b) 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.

7

BlackRock MuniHoldings California Insured Fund, Inc. (MUC)

Schedule of Investments October 31, 2009 (Unaudited)

(c) 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
CMA California Municipal Money Fund	\$(38,798,362)	\$ 2,059

(d) 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 October 31, 2009 in determining the fair valuation of the Fund's investments:

Valuation Inputs	Investments in Securities Assets
Level 1 - Short-Term Securities	\$ 4,801,887
Level 2 - Long-Term Investments ¹	912,805,541
Level 3	-
Total	\$ 917,607,428

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

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 California Insured Fund, Inc.

By: /s/ Anne F. Ackerley

Anne F. Ackerley

Chief Executive Officer of

BlackRock MuniHoldings California Insured Fund, Inc.

Date: December 18, 2009

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 California Insured Fund, Inc.

Date: December 18, 2009

By: /s/ Neal J. Andrews

Neal J. Andrews

Chief Financial Officer (principal financial officer) of

BlackRock MuniHoldings California Insured Fund, Inc.

Date: December 18, 2009
