

BLACKROCK MUNIYIELD CALIFORNIA INSURED FUND, INC  
 Form N-Q  
 June 26, 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 811-06692

Name of Fund: BlackRock MuniYield California Insured Fund, Inc. (MCA)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Donald C. Burke, Chief Executive Officer, BlackRock  
 MuniYield California Insured Fund, Inc., 800 Scudders Mill Road, Plainsboro, NJ, 08536.

Mailing address: P.O. Box 9011, Princeton, NJ, 08543-9011

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

Date of fiscal year end: 07/31/2009

Date of reporting period: 04/30/2009

Item 1 Schedule of Investments

**BlackRock MuniYield California Insured Fund, Inc.**

(Percentages shown are based on Net Assets)

**Schedule of Investments April 30, 2009 (Unaudited)**

		Par (000)	Value
<b>California - 117.3%</b>	<b>Municipal Bonds</b>		
<b>County/City/Special</b>	Alameda, California, GO, 5%, 8/01/33 (a)	\$ 2,350	\$ 2,333,479
<b>District/School</b>	Alameda County, California, Joint Powers Authority, Lease		
<b>District - 64.8%</b>	Revenue Refunding Bonds, 5%, 12/01/34 (b)	2,960	2,781,068
	Banning, California, Unified School District, GO (Election of 2006), Series B, 5.25%, 8/01/33 (c)	4,300	4,312,126
	Bay Area Government Association, California, Tax Allocation Revenue Refunding Bonds (California Redevelopment Agency Pool), Series A, 6%, 12/15/24 (b)	255	255,898
	Brentwood, California, Infrastructure Refinancing Authority, Infrastructure Revenue Refunding Bonds, Series A, 5.20%,		

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9/02/29 (b)	3,980	3,986,607
Central Unified School District, California, GO (Election of 2008), Series A, 5.50%, 8/01/29 (c)	2,000	2,076,680
Chabot-Las Positas, California, Community College District, GO (Election of 2004), Series B, 5.169%, 8/01/26 (d)(e)	6,705	2,397,775
Chino Valley, California, Unified School District, GO (Election of 2002), Series C, 5.25%, 8/01/30 (a)	3,000	2,984,550
Chula Vista, California, Elementary School District, COP, 5%, 9/01/29 (a)	3,910	3,375,581
Coachella Valley, California, Unified School District, GO (Election of 2005), Series A, 5%, 8/01/25 (a)(f)	3,275	3,295,698
Corona, California, COP (Clearwater Cogeneration Project), 5%, 9/01/28 (a)	6,000	5,200,920
Fremont, California, Unified School District, Alameda County, GO, Series A, 5.50%, 8/01/26 (a)(f)	10,755	10,999,138
Fresno, California, Joint Powers Financing Authority, Lease Revenue Bonds, Series A, 5.75%, 6/01/26 (b)	3,295	3,368,742
Fullerton, California, Public Financing Authority, Tax Allocation Revenue Bonds, 5%, 9/01/27 (d)	6,930	5,998,608
Glendora, California, Unified School District, GO (Election of 2005), Series A, 5%, 8/01/27 (a)	1,350	1,337,148
Glendora, California, Unified School District, GO (Election of 2005), Series A, 5.25%, 8/01/30 (a)	2,700	2,730,591
Hemet, California, Unified School District, GO, Series B, 5.125%, 8/01/37 (c)	4,500	4,397,805
Imperial, California, Community College District, GO (Election of 2004), 5%, 8/01/29 (a)(f)	3,090	3,001,626

**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 list below.

<b>AMT</b>	Alternative Minimum Tax (subject to)	<b>S/F</b>	Single-Family
<b>COP</b>	Certificates of Participation	<b>VRDN</b>	Variable Rate Demand Notes
<b>GO</b>	General Obligation Bonds		

	<b>Par (000)</b>	<b>Value</b>
<b>Municipal Bonds</b>		
Kern County, California, COP (Capital Improvements Projects), Series A, 6%, 8/01/35 (c)	\$ 2,000	\$ 2,088,320
Lodi, California, Unified School District, GO (Election of 2002), 5%, 8/01/29 (b)	10,260	10,174,021
Los Angeles, California, Community College District, GO, Refunding (Election of 2008), Series A, 6%, 8/01/33	9,600	10,258,560
Los Angeles, California, Community Redevelopment Agency, Community Redevelopment Financing Authority Revenue Bonds		
(Bunker Hill Project), Series A, 5%, 12/01/27 (b)	10,000	9,433,200
Los Angeles, California, Unified School District, GO (Election of 2002), Series C, 5%, 7/01/32 (b)	10,000	9,771,200
Los Angeles, California, Unified School District, GO (Election of 2004), Series C, 5%, 7/01/27 (f)	2,880	2,887,603
Los Angeles, California, Unified School District, GO (Election of 2004), Series F, 5%, 7/01/30 (f)	5,000	4,922,650
Los Angeles, California, Unified School District, GO, Series I, 5%, 1/01/34	5,000	4,814,450
Los Angeles County, California, Metropolitan Transportation Authority, Senior-Sales Tax Revenue Refunding Bonds, Proposition A, First Tier Series A, 5%, 7/01/27 (d)	5,240	5,328,608
Los Angeles County, California, Metropolitan Transportation Authority, Senior-Sales Tax Revenue Refunding Bonds, Proposition A, First Tier Series A, 5%, 7/01/35 (d)	6,500	6,387,745
Los Angeles County, California, Public Works Financing Authority, Lease Revenue Refunding Bonds (Master Refunding Project), Series A, 5%, 12/01/28 (a)	6,000	5,501,340
Los Rios, California, Community College District, GO (Election of 2002), Series B, 5%, 8/01/27 (a)	3,000	3,060,840
Merced, California, Community College District, GO (School Facilities District Number 1), 5%, 8/01/31 (a)	6,865	6,554,015
Murrieta Valley, California, Unified School District, Public Financing Authority, Special Tax Revenue Bonds, Series A, 5.125%, 9/01/26 (c)	8,000	7,985,760
Natomas Unified School District, California, GO (Election of		

	2006), 5%, 8/01/28 (a)(f)	6,015	5,890,790
	Oxnard, California, Unified High School District, GO, Refunding, Series A, 6.20%, 8/01/30 (a)	9,645	9,907,440
	Peralta, California, Community College District, GO (Election of 2007), Series B, 5%, 8/01/37 (b)	6,695	6,420,840
(b)	Poway, California, Unified School District, School Facilities Improvement, GO (Election of 2002), Series 1-B, 5%, 8/01/30	10,000	9,908,800
	Redlands, California, Unified School District, GO (Election of 2008), 5.25%, 7/01/33 (b)	5,000	5,014,050
	Riverside, California, COP, 5%, 9/01/28 (d)	3,000	2,812,380
	Riverside, California, Unified School District, GO (Election of 2001), Series A, 5.25%, 2/01/23 (a)(f)	6,000	6,145,020

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## BlackRock MuniYield California Insured Fund, Inc.

### Schedule of Investments April 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

	Par (000)	Value
<b>Municipal Bonds</b>		
Riverside, California, Unified School District, GO, Series C, 5%, 8/01/32 (c)	\$ 5,010	\$ 4,895,121
Sacramento, California, City Financing Authority, Capital Improvement Revenue Bonds (Community Rein Capital Program), Series A, 5%, 12/01/36 (d)	3,000	2,929,650
Sacramento, California, City Financing Authority, Tax Allocation Revenue Bonds (Merged Downtown and Oak Park Projects), Series A, 5.039%, 12/01/32 (a)(e)(f)	6,590	1,135,852
Saddleback Valley, California, Unified School District, GO, 5%, 8/01/29 (b)	2,565	2,567,155
San Bernardino, California, City Unified School District, GO, Series A, 5%, 8/01/28 (b)	5,000	5,020,250
San Diego, California, Redevelopment Agency, Subordinate Tax Allocation Bonds (Centre City Redevelopment Project), Series A, 5.25%, 9/01/24 (d)	2,720	2,611,037
San Diego, California, Redevelopment Agency, Subordinate Tax Allocation Bonds (Centre City Redevelopment Project), Series A, 5.25%, 9/01/25 (d)	2,860	2,709,593
San Francisco, California, Bay Area Rapid Transit District, Sales		

Tax

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Refunding	Revenue Refunding Bonds, Series A, 5%, 7/01/34 (a) San Jose, California, Financing Authority, Lease Revenue	10,500	10,278,450
	Bonds (Civic Center Project), Series B, 5%, 6/01/32 (d) San Jose, California, GO (Libraries, Parks and Public Safety Projects), 5%, 9/01/27 (a)	11,400	11,215,434
	San Jose, California, Redevelopment Agency, Tax Allocation Bonds (Housing Set-Aside Merged Area), AMT, Series E, 5.85%, 8/01/27 (a)	7,910	8,010,932
	San Juan, California, Unified School District, GO (Election of 2002), 5%, 8/01/28 (a)	7,300	7,194,661
	San Mateo County, California, Transit District, Sales Tax Revenue Refunding Bonds, Series A, 5%, 6/01/29 (a)	4,250	4,162,238
	Santa Rosa, California, High School District, GO (Election of 2002), 5%, 8/01/28 (a)	4,350	4,418,208
	South Tahoe, California, Joint Powers Financing Authority, Revenue Refunding Bonds (South Tahoe Redevelopment Project Area Number 1), Series A, 5%, 10/01/29 (b)	2,500	2,448,375
	Ventura County, California, Community College District, GO, Refunding, Series A, 5%, 8/01/27 (a)	1,645	1,596,390
	Vista, California, COP (Community Projects), 5%, 5/01/37 (a)	3,395	3,429,697
	Vista, California, Unified School District, GO, Series B, 5%, 8/01/28 (a)(f)	6,750	5,839,898
	West Contra Costa, California, Unified School District, GO (Election of 2002), Series B, 5%, 8/01/32 (b)	2,550	2,497,343
	West Contra Costa, California, Unified School District, GO (Election of 2005), Series B, 5.625%, 8/01/35 (g)	6,690	6,536,598
		3,750	3,913,125

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**BlackRock MuniYield California Insured Fund,  
Inc.**

Schedule of Investments April 30, 2009 (Unaudited)	(Percentages shown are based on Net Assets)
<b>Municipal Bonds</b>	<b>Par</b>
Westminster, California, Redevelopment Agency, Westminster Commercial Redevelopment Project Number 1, Subordinate Tax Allocation Bonds (Police Facility), 6.25%, 11/01/39 (c)	<b>(000)</b>
	<b>Value</b>
	\$ 4,300
	\$ 4,510,270
	298,021,949

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<b>Education - 6.2%</b>	California Educational Facilities Authority Revenue Bonds (University of San Diego), Series A, 5.50%, 10/01/32	5,000	5,024,450
	California Educational Facilities Authority, Student Loan Revenue Bonds (CalEdge Loan Program), AMT, 5.55%, 4/01/28 (d)	6,870	6,500,463
	San Diego County, California, COP (Salk Institute for Bio Studies), 5.75%, 7/01/31 (a)	5,200	5,204,004
	University of California Revenue Bonds, Series O, 5.75%, 5/15/34	11,200	11,739,392
			28,468,309
<b>Health - 3.8%</b>	California Statewide Communities Development Authority, Health Facility Revenue Bonds (Memorial Health Services), Series A, 6%, 10/01/23	3,685	3,739,906
	California Statewide Communities Development Authority Revenue Bonds (Adventist), Series B, 5%, 3/01/37 (c)	5,850	5,342,161
	California Statewide Communities Development Authority Revenue Bonds (Sutter Health), Series D, 5.05%, 8/15/38 (b)	7,925	7,441,099
	California Statewide Communities Development Authority, Revenue Refunding Bonds (Kaiser Permanente), Series A, 5%, 4/01/31	900	775,305
			17,298,471
<b>Housing - 2.5%</b>	California Rural Home Mortgage Finance Authority, S/F Mortgage Revenue Bonds (Mortgage-Backed Securities Program), AMT, Series A, 6.35%, 12/01/29 (h)(i)(j)	210	215,891
	California Rural Home Mortgage Finance Authority, S/F Mortgage Revenue Bonds (Mortgage-Backed Securities Program), AMT, Series B, 6.25%, 12/01/31 (i)(j)	95	95,828
	California State Department of Veteran Affairs, Home Purchase Revenue Refunding Bonds, Series A, 5.35%, 12/01/27 (d)	10,755	10,832,866
	San Bernardino County, California, S/F Home Mortgage Revenue Refunding Bonds, AMT, Series A-1, 6.25%, 12/01/31 (i)(j)	155	159,895
			11,304,480
<b>State - 5.6%</b>	California State, GO, 6.25%, 10/01/19 (a)	860	866,407
	California State, GO, 6.50%, 4/01/33	16,000	17,478,560
	California State Public Works Board, Lease Revenue Bonds (Department of Education - Riverside Campus Project), Series B, 6.50%, 4/01/34	3,500	3,631,040
	California State Public Works Board, Lease Revenue Bonds (Various University Projects), Series D, 5%, 5/01/26 (a)	4,000	4,028,840
			26,004,847
<b>Transportation - 11.0%</b>	Port of Oakland, California, Revenue Bonds, AMT, Series K, 5.875%, 5/01/10 (a)(f)(k)	20	20,900
	Port of Oakland, California, Revenue Bonds, AMT, Series K, 5.875%, 11/01/17 (a)(f)	2,725	2,733,802

Port of Oakland, California, Revenue Bonds, AMT, Series K, 5.75%, 11/01/29 (a)(f)	7,445	6,693,204
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## BlackRock MuniYield California Insured Fund, Inc.

Schedule of Investments April 30, 2009 (Unaudited)		(Percentages shown are based on Net Assets)	
	Par (000)	Value	
<b>Municipal Bonds</b>			
Port of Oakland, California, Revenue Refunding Bonds, AMT, Series L, 5.375%, 11/01/27 (a)(f)	\$ 19,040	\$ 16,660,952	
San Diego, California, Unified Port District, Revenue Refunding Bonds, AMT, Series A, 5.25%, 9/01/19 (a)	5,400	5,297,130	
San Francisco, California, City and County Airport Commission, International Airport Revenue Refunding Bonds, AMT, Second Series, 6.75%, 5/01/19	4,420	4,616,513	
San Francisco, California, City and County Airport Commission, International Airport Revenue Refunding Bonds, AMT, Second Series, Issue 34E, 5.75%, 5/01/24 (b)	5,000	5,102,050	
San Francisco, California, City and County Airport Commission, International Airport Revenue Refunding Bonds, AMT, Second Series, Issue 34E, 5.75%, 5/01/25 (b)	3,500	3,549,070	
San Francisco, California, City and County Airport Commission, International Airport, Special Facilities Lease Revenue Bonds (SFO Fuel Company LLC), AMT, Series A, 6.10%, 1/01/20 (b)	1,000	1,004,580	
San Francisco, California, City and County Airport Commission, International Airport, Special Facilities Lease Revenue Bonds (SFO Fuel Company LLC), AMT, Series A, 6.125%, 1/01/27 (b)	985	987,797	
San Jose, California, Airport Revenue Bonds, Series D, 5%, 3/01/28 (a)	4,135	4,050,729	
		50,716,727	
<b>Utilities - 23.4%</b>			
Contra Costa, California, Water District, Water Revenue Refunding Bonds, Series L, 5%, 10/01/32 (b)	4,135	4,137,398	
Contra Costa, California, Water District, Water Revenue Refunding Bonds, Series O, 5%, 10/01/24 (d)	1,735	1,808,148	
East Bay, California, Municipal Utility District, Wastewater System Revenue Refunding Bonds, Sub-Series A, 5%, 6/01/33 (d)	4,000	4,005,080	
East Bay, California, Municipal Utility District, Wastewater System Revenue Refunding Bonds, Sub-Series A, 5%, 6/01/37 (d)	7,985	7,913,215	

East Bay, California, Municipal Utility District, Water System Revenue Refunding Bonds, Series A, 5%, 6/01/37 (a)(f)	6,000	5,866,860
East Bay Municipal Utility District, California, Water System Revenue Bonds, Sub-Series A, 5%, 6/01/35 (a)	15,000	14,763,000
El Centro, California, Financing Authority, Water Revenue Bonds, Series A, 5.25%, 10/01/35 (b)	1,100	1,067,836
Glendale, California, Electric Revenue Bonds, 5%, 2/01/32 (a)	4,390	4,244,910
Hollister, California, Joint Powers Finance Authority, Wastewater Revenue Refunding Bonds (Refining and Improvement Project), Series 1, 5%, 6/01/32 (b)	5,000	4,506,050
Hollister, California, Joint Powers Finance Authority, Wastewater Revenue Refunding Bonds (Refining and Improvement Project), Series 1, 5%, 6/01/37 (b)	6,000	5,285,520
Los Angeles, California, Water and Power Revenue Bonds (Power System), Sub-Series A-1, 5%, 7/01/37 (d)	5,000	4,881,500

## BlackRock MuniYield California Insured Fund, Inc.

Schedule of Investments April 30, 2009 (Unaudited)	(Percentages shown are based on Net Assets)	
	Par (000)	Value
<b>Municipal Bonds</b>		
Madera, California, Public Financing Authority, Water and Wastewater Revenue Refunding Bonds, 5%, 3/01/36 (a)	\$ 2,010	\$ 1,924,032
Metropolitan Water District of Southern California, Waterworks Revenue Bonds, Series B-1, 5%, 10/01/33 (a)(f)	7,175	7,211,377
Napa, California, Water Revenue Bonds, 5%, 5/01/35 (d)	9,070	8,700,670
Oakland, California, Sewer Revenue Bonds, Series A, 5%, 6/15/29 (b)	4,270	4,267,054
Oxnard, California, Financing Authority, Wastewater Revenue Bonds (Redwood Trunk Sewer and Headworks Projects), Series A, 5.25%, 6/01/34 (a)(f)	10,000	9,958,100
Sacramento, California, Municipal Utility District Financing Authority Revenue Bonds (Consumers Project), 5%, 7/01/21 (a)	4,500	4,064,355
Santa Clara, California, Subordinated Electric Revenue Bonds, Series A, 5%, 7/01/28 (a)	5,500	5,426,245
Stockton, California, Public Financing Authority, Water Revenue Bonds (Water System Capital Improvement Projects), Series A, 5%, 10/01/31 (a)	2,600	2,511,496
Turlock, California, Public Finance Authority, Sewer Revenue		



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	Bonds, Series A, 5%, 9/15/33 (a)(f)	3,000	2,966,490
	Vallecitos Water District and Wastewater Enterprise, California, COP, Refunding, Series A, 5%, 7/01/27 (b)	2,000	2,030,700
			107,540,036
	<b>Total Municipal Bonds - 117.3%</b>		539,354,819
	<b>Municipal Bonds Transferred to Tender Option Bond Trusts (I)</b>		
<b>California - 29.0%</b>			
<b>County/City/Special</b>	Fremont, California, Unified School District, Alameda County, GO		
<b>District/School</b>	(Election of 2002), Series B, 5%, 8/01/30 (b)	5,997	5,942,280
<b>District - 2.9%</b>	Los Angeles, California, Community College District, GO (Election of 2003), Series E, 5%, 8/01/31 (b)	7,497	7,368,313
			13,310,593
<b>Education - 2.6%</b>	California State University, Systemwide Revenue Bonds, Series A, 5%, 11/01/39 (b)	4,860	4,683,339
	University of California Revenue Bonds, Series L, 5%, 5/15/40	7,398	7,105,084
			11,788,423
<b>Transportation - 7.3%</b>	Long Beach, California, Harbor Revenue Bonds, AMT, Series A, 5.375%, 5/15/24	15,150	14,311,751
	San Francisco, California, Bay Area Rapid Transit District, Sales Tax Revenue Refunding Bonds, Series A, 5%, 7/01/30 (a)	19,630	19,639,030
			33,950,781
<b>Utilities - 16.2%</b>	Anaheim, California, Public Financing Authority, Electric System Distribution Facilities Revenue Bonds, Series A, 5%, 10/01/31 (b)	3,568	3,511,268
	Los Angeles, California, Department of Water and Power, Power System Revenue Refunding Bonds, Series A, Sub-Series A-2, 5%, 7/01/27 (a)	16,000	15,923,360
	Los Angeles, California, Water and Power Revenue Bonds (Power System), Sub-Series A-1, 5.125%, 7/01/31 (b)	5,008	4,960,752
	Metropolitan Water District of Southern California, Waterworks Revenue Bonds, Series A, 5%, 7/01/37	15,000	15,169,500

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## BlackRock MuniYield California Insured Fund, Inc.

Schedule of Investments April 30, 2009 (Unaudited)	(Percentages shown are based on Net Assets)	
	Par (000)	Value
<b>Municipal Bonds Transferred to Tender Option Bond Trusts (I)</b>		
Rancho, California, Water District Financing Authority, Revenue Refunding Bonds, Series A, 5%, 8/01/34 (b)	\$ 9,277	\$ 9,171,053

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	San Diego County, California, Water Authority, Water Revenue Bonds, COP, Series A, 5%, 5/01/30 (b)	7,350	7,353,748
	San Diego County, California, Water Authority, Water Revenue Bonds, COP, Series A, 5%, 5/01/31 (b)	10,000	9,934,000
	San Diego County, California, Water Authority, Water Revenue Refunding Bonds, COP, Series A, 5%, 5/01/33 (b)	8,510	8,369,840
			74,393,521
	<b>Total Municipal Bonds Transferred to Tender Option Bond Trusts - 29.0%</b>		133,443,318
	<b>Total Long-Term Investments (Cost - \$696,952,171) - 146.3%</b>		672,798,137
	<b>Short-Term Securities</b>		
<b>California - 2.8%</b>	Los Angeles County, California, Metropolitan Transportation Authority, Sales Tax Revenue Refunding Bonds, Proposition C, VRDN, Second Senior Series A, 6%, 5/07/09 (a)(m)	13,000	13,000,000
			<b>Shares</b>
<b>Money Market Fund - 1.8%</b>	CMA California Municipal Money Fund, 0.26% (n)(o)	8,236,924	8,236,924
	<b>Total Short-Term Securities (Cost - \$21,236,924) - 4.6%</b>		21,236,924
	<b>Total Investments (Cost - \$718,189,095*) - 150.9%</b>		694,035,061
	<b>Other Assets Less Liabilities - 6.7%</b>		30,874,579
	<b>Liability for Trust Certificates, Including Interest Expense and Fees Payable - (15.8)%</b>		(72,720,824)
	<b>Preferred Shares, at Redemption Value - (41.8)%</b>		(192,342,808)
	<b>Net Assets Applicable to Common Shares - 100.0%</b>		\$ 459,846,008

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

Aggregate cost	\$	641,838,849
Gross unrealized appreciation	\$	4,816,000
Gross unrealized depreciation		(25,139,611)
Net unrealized depreciation	\$	(20,323,611)

(a) NPFGC Insured.

(b) FSA Insured.

(c) Assured Guaranty Insured.

(d) AMBAC Insured.

(e) Represents a zero-coupon bond. Rate shown is the effective yield at the time of purchase.

(f) FGIC Insured.

(g) BHAC Insured.

(h) FHLMC Collateralized.

(i) FNMA Collateralized.

(j) GNMA Collateralized.

(k) 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.

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## BlackRock MuniYield California Insured Fund, Inc.

### Schedule of Investments April 30, 2009 (Unaudited)

(l) 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.

(m) Rate shown is as of report date and maturity shown is the final maturity date or the date the principal owed can be recovered through demand.

(n) 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	8,030,671	\$ 134,720

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

Effective August 1, 2008, the Fund adopted Financial Accounting Standards Board Statement of Financial Accounting Standards No. 157, "Fair Value Measurements" ("FAS 157"). FAS 157 clarifies the definition of fair value, establishes a framework for measuring fair values and requires additional disclosures about the use of 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 securities

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 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 circumstance, to the extent observable inputs are not available (including the Fund's own assumption 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 semi-annual report.

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

Valuation	Inputs	Investments in Securities
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	<b>Assets</b>	
Level 1	\$	8,236,924
Level 2		685,798,137
Level 3		-
<b>Total</b>	<b>\$</b>	<b>694,035,061</b>

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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 MuniYield California Insured Fund, Inc.

By: /s/ Donald C. Burke

Donald C. Burke

Chief Executive Officer of

BlackRock MuniYield California Insured Fund, Inc.

Date: June 19, 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/ Donald C. Burke

Donald C. Burke

Chief Executive Officer (principal executive officer) of

BlackRock MuniYield California Insured Fund, Inc.

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Date: June 19, 2009

By: /s/ Neal J. Andrews

Neal J. Andrews

Chief Financial Officer (principal financial officer) of  
BlackRock MuniYield California Insured Fund, Inc.

Date: June 19, 2009

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