

BLACKROCK MUNIYIELD CALIFORNIA INSURED FUND, INC
Form N-Q
September 26, 2007

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.

Fund Address: P.O. Box 9011
Princeton, NJ 08543-9011

Name and address of agent for service: Robert C. Doll, Jr., Chief Executive
Officer (principal 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

Date of fiscal year end: 10/31/2007

Date of reporting period: 05/01/2007 - 07/31/2007

Item 1 - Schedule of Investments

BlackRock MuniYield California Insured Fund, Inc.

Schedule of Investments as of July 31, 2007 (Unaudited)

	Face Amount	Municipal Bonds
California - 135.5%	\$ 7,000	ABAG Finance Authority for Nonprofit Corporations, California (Children's Hospital Medical Center), 6% due 12/01/2029 (a)
	2,350	Alameda, California, GO, 5% due 8/01/2033 (f)
	5,665	Alhambra, California, Unified School District, GO (Election 5% due 8/01/2029 (b)
	3,580	Anaheim, California, Public Financing Authority, Electric Sy Facilities Revenue Bonds, Series A, 5% due 10/01/2031 (e)
	2,400	Anaheim, California, Union High School District, GO (Electio 8/01/2027 (f)
	255	Bay Area Government Association, California, Tax Allocation Bonds (California Redevelopment Agency Pool), Series A, 6% d
	3,990	Brentwood, California, Infrastructure Refinancing Authority, Refunding Bonds, Series A, 5.20% due 9/02/2029 (e)

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3,215	California Community College Financing Authority, Lease Revenue Bonds, Series A, 5.95% due 12/01/2009 (f) (g)
1,100	California Community College Financing Authority, Lease Revenue Bonds, Series A, 6% due 12/01/2009 (f) (g)
5,000	California Educational Facilities Authority Revenue Bonds (Orange County), Series A, 5.50% due 10/01/2032
9,930	California Educational Facilities Authority, Student Loan Revenue Bonds (CalEdge Loan Program), AMT, 5.55% due 4/01/2028 (a)
3,700	California HFA, Home Mortgage Revenue Bonds, VRDN, AMT, Series A, 5.50% due 8/01/2023 (a) (m)
175	California HFA, Home Mortgage Revenue Bonds, VRDN, Series F, 5.50% due 2/01/2033 (a) (m)
2,750	California Health Facilities Financing Authority Revenue Bonds, Series A, 5.50% due 6/01/2022 (e) (i)
295	California Rural Home Mortgage Finance Authority, S/F Mortgage Revenue Bonds (Mortgage-Backed Securities Program), AMT, Series A, 6.35% due 12/01/2027 (a)
130	California Rural Home Mortgage Finance Authority, S/F Mortgage Revenue Bonds (Mortgage-Backed Securities Program), AMT, Series B, 6.25% due 12/01/2027 (a)
12,680	California State Department of Veteran Affairs, Home Purchase Revenue Bonds, Series A, 5.35% due 12/01/2027 (a)

Portfolio Abbreviations

To simplify the listings of BlackRock MuniYield California Insured Fund, Inc.'s portfolio holdings in the Schedule of Investments, we have abbreviated the names of many of the securities according to the list below.

AMT	Alternative Minimum Tax (subject to)
COP	Certificates of Participation
DRIVERS	Derivative Inverse Tax-Exempt Receipts
GO	General Obligation Bonds
HFA	Housing Finance Agency
RIB	Residual Interest Bonds
S/F	Single-Family
VRDN	Variable Rate Demand Notes

BlackRock MuniYield California Insured Fund, Inc.

Schedule of Investments as of July 31, 2007 (Unaudited) (concluded)

	Face Amount	Municipal Bonds
California (concluded)	\$ 860	California State, GO, 6.25% due 10/01/2019 (f)
	3,000	California State, GO, Refunding, 5.25% due 2/01/2029

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3,000	California State, GO, Refunding, Series BX, 5.50% due 12/01/2032 (a)
19,865	California State, GO, Refunding, Veterans, AMT, Series B, 5.125% due 12/01/2032 (a)
4,530	California State Public Works Board, Lease Revenue Bonds (De Corrections-Ten Administrative Segregation Housing Units), Series A, 5.50% due 3/01/2020 (a)
2,720	California State University, Systemwide Revenue Refunding Bonds, Series A, 5.125% due 11/01/2026 (a)
5,950	California State, Various Purpose, GO, 5.50% due 11/01/2033
4,100	California Statewide Communities Development Authority, COP, Series A, 5.30% due 12/01/2015 (e) (i)
3,685	California Statewide Communities Development Authority, Health Services Bonds (Memorial Health Services), Series A, 6% due 10/01/2026 (a)
2,650	California Statewide Communities Development Authority, Revenue Bonds (Kaiser Permanente), Series A, 5% due 4/01/2031
8,155	Calleguas-Las Virgenes, California, Public Financing Authority, Series A, 5% due 12/01/2029 (a)
7,000	Capistrano, California, Unified School District, Community Fund Special Tax Refunding Bonds, 5% due 9/01/2029 (b)
4,600	Ceres, California, Redevelopment Agency, Tax Allocation Bonds (Project Area Number 1), 5.75% due 11/01/2010 (f) (g)
6,000	Chaffey, California, Union High School District, GO, Series A, 5.50% due 5/01/2023 (e)
3,000	Chino Valley, California, Unified School District, GO (Electrical Services), Series C, 5.25% due 8/01/2030 (f)
5,910	Chula Vista, California, Elementary School District, COP, Series A, 5.50% due 11/01/2029 (a)
10,000	Coachella Valley, California, Unified School District, COP, Series A, 5.50% due 11/01/2029 (a)
3,275	Coachella Valley, California, Unified School District, GO (Electrical Services), Series A, 5% due 8/01/2025 (b)
2,540	Coalinga, California, Redevelopment Agency Tax Allocation Bonds (Project Area Number 1), 5.75% due 9/15/2025 (f)
4,135	Contra Costa, California, Water District, Water Revenue Refunding Bonds, Series L, 5% due 10/01/2032 (e)
1,735	Contra Costa, California, Water District, Water Revenue Refunding Bonds, Series O, 5% due 10/01/2024 (a)
12,180	Contra Costa County, California, COP, Refunding (Merrithew Mill Project), 5.375% due 11/01/2017 (f)
8,500	Corona, California, COP (Clearwater Cogeneration Project), Series A, 5.50% due 11/01/2029 (a)
1,485	East Bay, California, Municipal Utility District, Wastewater Treatment Plant Refunding Bonds, Sub Series A, 5% due 6/01/2037 (a)

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16,500	East Bay, California, Municipal Utility District, Water System Bonds, Series A, 5% due 6/01/2037 (b)
1,100	El Centro, California, Financing Authority, Water Revenue Bonds, Series A, 5.25% due 10/01/2035 (e)
6,000	Fremont, California, Unified School District, Alameda County (Election of 2002), Series B, 5% due 8/01/2030 (e)
10,755	Fremont, California, Unified School District, Alameda County (Election of 2002), Series B, 5.50% due 8/01/2026 (b)
4,295	Fresno, California, Joint Powers Financing Authority, Lease Revenue Bonds, Series A, 5.75% due 6/01/2026 (e)
6,930	Fullerton, California, Public Financing Authority, Tax Allocation Bonds, Series A, 5% due 9/01/2027 (a)
4,390	Glendale, California, Electric Revenue Bonds, Series A, 5% due 2/01/2027 (a)
1,350	Glendora, California, Unified School District, GO (Election of 2002), Series A, 5% due 8/01/2027 (f)
2,700	Glendora, California, Unified School District, GO (Election of 2002), Series A, 5.25% due 8/01/2030 (f)
5,710	Hanford, California, Joint Unified High School District, GO (Election of 2002), Series A, 4.75% due 8/01/2029 (e)
6,000	Hollister, California, Joint Powers Finance Authority, Waste Water Treatment Plant Improvement Project, Series 1, 5% due 6/01/2027 (a)
4,090	Imperial, California, Community College District, GO (Election of 2002), Series A, 5% due 8/01/2029 (b)
2,500	La Quinta, California, Financing Authority, Local Agency Revenue Bonds, Series A, 5.25% due 9/01/2024 (a)
3,050	Little Lake, California, City School District, GO, Refunding Bonds, Series A, 5% due 7/01/2025 (e)
10,260	Lodi, California, Unified School District, GO (Election of 2002), Series A, 5% due 8/01/2029 (e)
8,000	Los Angeles, California, Community College District, GO (Election of 2002), Series E, 5% due 8/01/2031 (e)
10,000	Los Angeles, California, Community Redevelopment Agency, Community Redevelopment Financing Authority Revenue Bonds (Bunker Hill Project), Series A, 5% due 12/01/2027 (e)
290	Los Angeles, California, Department of Airports, Airport Revenue Bonds (Los Angeles International Airport), AMT, Series D, 5.625% due 8/01/2027 (a)
2,880	Los Angeles, California, Unified School District, GO (Election of 2002), Series C, 5% due 7/01/2027 (b)
5,000	Los Angeles, California, Unified School District, GO (Election of 2002), Series F, 5% due 7/01/2030 (b)
5,015	Los Angeles, California, Unified School District, GO, Refunding Bonds, Series A, 5% due 7/01/2027 (b)

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	4.75% due 7/01/2024 (b)
4,000	Los Angeles, California, Unified School District, GO, Refund 4.75% due 7/01/2025 (b)
7,000	Los Angeles, California, Unified School District, GO, Series 7/01/2030 (a)
5,000	Los Angeles, California, Wastewater System Revenue Refunding 4.75% due 6/01/2035 (f)
5,000	Los Angeles, California, Water and Power Revenue Bonds (Power Sub-Series A-1, 5% due 7/01/2031 (e)
3,165	Los Angeles, California, Water and Power Revenue Refunding B Series A-A-2, 5.375% due 7/01/2021 (f)
5,240	Los Angeles County, California, Metropolitan Transportation Tax Revenue Refunding Bonds, Proposition A, First Tier Senior due 7/01/2027 (a)
6,500	Los Angeles County, California, Metropolitan Transportation Tax Revenue Refunding Bonds, Proposition A, First Tier Senior due 7/01/2035 (a)
2,000	Los Angeles County, California, Metropolitan Transportation Tax Revenue Refunding Bonds, Proposition C, Second Tier Senior due 7/01/2010 (b)(g)
8,735	Los Angeles County, California, Public Works Financing Author Refunding Bonds (Master Refunding Project), Series A, 5% due
3,000	Los Rios, California, Community College District, GO (Electi 5% due 8/01/2027 (f)
2,010	Madera, California, Public Financing Authority, Water and Wa Refunding Bonds, 5% due 3/01/2036 (f)
6,865	Merced, California, Community College District, GO (School F Number 1), 5% due 8/01/2031 (f)
5,370	Metropolitan Water District of Southern California, Waterwor Series B-1, 5% due 10/01/2033 (b)
8,000	Murrieta Valley, California, Unified School District, Public Special Tax Revenue Bonds, Series A, 5.125% due 9/01/2026 (1
6,015	Natomas Unified School District, California, GO (Election of 8/01/2028 (b)
4,245	Nevada County, California, COP, Refunding, 5.25% due 10/01/2
2,000	New Haven, California, Unified School District, GO, Refundin 8/01/2020 (e)
4,270	Oakland, California, Sewer Revenue Bonds, Series A, 5% due 6
2,000	Oakland, California, State Building Authority, Lease Revenue Harris State Office Building), Series A, 5.50% due 4/01/2008
1,245	Orange County, California, Airport Revenue Refunding Bonds, 7/01/2012 (f)

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6,360	Orange County, California, Public Financing Authority, Lease Bonds (Juvenile Justice Center Facility), 5.375% due 6/01/20
10,000	Oxnard, California, Financing Authority, Wastewater Revenue Sewer and Headworks Projects), Series A, 5.25% due 6/01/2034
9,645	Oxnard, California, Unified High School District, GO, Refund due 8/01/2030 (f)
1,275	Palm Springs, California, Financing Authority, Lease Revenue (Convention Center Project), Series A, 5.50% due 11/01/2035
4,640	Palmdale, California, Water District Public Facility Corpora 10/01/2029 (b)
5,000	Placentia-Yorba Linda, California, Unified School District, 10/01/2030 (b)
5,000	Placentia-Yorba Linda, California, Unified School District, Series C, 5% due 8/01/2029 (f)
3	Port of Oakland, California, RIB, AMT, Series 1192, 6.86% du
7,500	Port of Oakland, California, Revenue Bonds, AMT, Series K, 5
3,000	Riverside, California, COP, 5% due 9/01/2028 (a)
6,000	Riverside, California, Unified School District, GO (Election 5.25% due 2/01/2023 (b)
7,515	Riverside, California, Unified School District, GO (Election 5% due 9/01/2030 (f)
4,500	Riverside County, California, Asset Leasing Corporation, Lea Refunding Bonds (Riverside County Hospital Project), Series 6/01/2016 (f)
3,000	Sacramento, California, City Financing Authority, Capital Im Bonds (Community Rein Capital Program), Series A, 5% due 12/
6,590	Sacramento, California, City Financing Authority, Tax Alloca (Merged Downtown and Oak Park Projects), Series A, 5.03% due
2,565	Saddleback Valley, California, Unified School District, GO,
5,000	San Bernardino, California, City Unified School District, GO 8/01/2028 (e)
320	San Bernardino County, California, S/F Home Mortgage Revenue Series A-1, 6.25% due 12/01/2031 (d)
2,720	San Diego, California, Redevelopment Agency, Subordinate Tax (Centre City Redevelopment Project), Series A, 5.25% due 9/0
2,860	San Diego, California, Redevelopment Agency, Subordinate Tax (Centre City Redevelopment Project), Series A, 5.25% due 9/0
5,400	San Diego, California, Unified Port District, Revenue Refund Series A, 5.25% due 9/01/2019 (f)
3,570	San Diego County, California, COP (Salk Institute for Bio St

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	7/01/2022 (f)
5,200	San Diego County, California, COP (Salk Institute for Bio St 7/01/2031 (f)
7,350	San Diego County, California, Water Authority, Water Revenue Series A, 5% due 5/01/2030 (e)
10,000	San Diego County, California, Water Authority, Water Revenue Series A, 5% due 5/01/2031 (e)
5,000	San Francisco, California, Bay Area Rapid Transit District, Series B, 5% due 8/01/2035
9,630	San Francisco, California, Bay Area Rapid Transit District, Refunding Bonds, Series A, 5% due 7/01/2030 (f)
6,455	San Francisco, California, City and County Airport Commissio Airport Revenue Refunding Bonds, Second Series 28B, 5.25% du
1,000	San Francisco, California, City and County Airport Commissio Airport, Special Facilities Lease Revenue Bonds (SFO Fuel Co Series A, 6.10% due 1/01/2020 (e)
985	San Francisco, California, City and County Airport Commissio Airport, Special Facilities Lease Revenue Bonds (SFO Fuel Co Series A, 6.125% due 1/01/2027 (e)
1,735	San Francisco, California, Community College District, GO, R 5.375% due 6/15/2019 (b)
1,730	San Francisco, California, Community College District, GO, R 5.375% due 6/15/2020 (b)
1,925	San Francisco, California, Community College District, GO, R 5.375% due 6/15/2021 (b)
4,135	San Jose, California, Airport Revenue Bonds, Series D, 5% du
1,632	San Jose, California, Financing Authority, Lease Revenue Ref DRIVERS, Series 1280Z, 6.091% due 12/01/2010 (a) (h) (p)
7,300	San Jose, California, Redevelopment Agency, Tax Allocation B Set-Aside Merged Area), AMT, Series E, 5.85% due 8/01/2027 (
4,250	San Juan, California, Unified School District, GO (Election 8/01/2028 (f)
4,350	San Mateo County, California, Transit District, Sales Tax Re Series A, 5% due 6/01/2029 (f)
2,595	Santa Clara, California, Redevelopment Agency, Tax Allocatio North Project), Series A, 5.25% due 6/01/2019 (a)
5,500	Santa Clara, California, Subordinated Electric Revenue Bonds 7/01/2028 (f)
1,100	Santa Clara Valley, California, Water District, Water Utilit Series A, 5.125% due 6/01/2010 (b) (g)
3,000	Santa Rosa, California, High School District, GO, 5.375% due

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	2,500	Santa Rosa, California, High School District, GO (Election on 8/01/2028 (f)
	6,750	Shasta, California, Joint Powers Financing Authority, Lease (County Administration Building Project), Series A, 5% due 4
	1,645	South Tahoe, California, Joint Powers Financing Authority, R Bonds (South Tahoe Redevelopment Project Area Number 1), Ser 10/01/2029 (e)
	5,000	Southern California Public Power Authority, Power Project Re (Magnolia Power Project), Series A-1, 5% due 7/01/2013 (a) (g)
	2,600	Stockton, California, Public Financing Authority, Water Reve System Capital Improvement Projects), Series A, 5% due 10/01
	1,054	Stockton, California, Public Financing Revenue Refunding Bon 5.875% due 9/02/2016 (e)
	1,500	Tehachapi, California, COP, Refunding (Installment Sale), 5.
	6,000	Tracy, California, Community Development Agency, Tax Allocat Series A, 5% due 3/01/2034 (a)
	3,000	Turlock, California, Public Finance Authority, Sewer Revenue 5% due 9/15/2033 (b)
	14,830	University of California Revenue Bonds (Multiple Purpose Pro 5% due 9/01/2011 (e) (g)
	4,465	University of California Revenue Bonds, Series A, 4.75% due
	4,790	University of California Revenue Bonds, Series O, 5.125% due
	3,395	Ventura County, California, Community College District, GO, 5% due 8/01/2027 (f)
	2,550	Vista, California, Unified School District, GO, Series B, 5%
	2,185	Walnut, California, Public Financing Authority, Tax Allocati (Walnut Improvement Project), 5.375% due 9/01/2021 (a)
	6,690	West Contra Costa, California, Unified School District, GO (Series B, 5% due 8/01/2032 (e)
Puerto Rico - 6.0%	5,000	Puerto Rico Commonwealth, GO, 4.875% due 7/01/2023 (f)
	4,335	Puerto Rico Commonwealth, Public Improvement, GO, 5.75% due
	7,000	Puerto Rico Electric Power Authority, Power Revenue Refundin 5% due 7/01/2024 (e)
	10,000	Puerto Rico Municipal Finance Agency, GO, RIB, Series 225, 7 8/01/2012 (e) (h) (p)
	13,000	Puerto Rico Sales Tax Financing Corporation, Sales Tax Reven Series A, 5.04% due 8/01/2045 (f) (n)
		Total Municipal Bonds (Cost - \$693,881) - 141.5%

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		Municipal Bonds Held in Trust (o)
California - 25.4%	10,000	East Bay Municipal Utility District, California, Water System Sub-Series A, 5% due 6/01/2035 (f)
	15,150	Long Beach, California, Harbor Revenue Bonds, AMT, Series A, 5% due 11/01/2012 (b)
	16,000	Los Angeles, California, Department of Water and Power, Power Refunding Bonds, Series A, Sub-Series A-2, 5% due 7/01/2027 (b)
	9,180	Port of Oakland, California, Port Revenue Bonds, AMT, Series K, 5% due 11/01/2012 (b)
	10,820	Port of Oakland, California, Revenue Bonds, AMT, Series K, 5% due 11/01/2013 (b)
	19,035	Port of Oakland, California, Revenue Refunding Bonds, AMT, Series K, 5% due 11/01/2027 (b)
	24,710	San Diego, California, Certificates of Undivided Interest Revenue (San Diego Gas & Electric Utility Fund), 5.20% due 8/01/2024 (b)
	10,500	San Francisco, California, Bay Area Rapid Transit District, Refunding Bonds, Series A, 5% due 7/01/2034 (f)
	8,137	San Jose, California, Financing Authority, Lease Revenue Refunding Bonds (Civic Center Project), Series B, 5% due 6/01/2032 (a)
		Total Municipal Bonds Held in Trust (Cost - \$127,791) - 25.4%

Shares
Held

Short-Term Securities

38 CMA California Municipal Money Fund, 3.07% (j) (k)

Total Short-Term Securities (Cost - \$38) - 0.0%

Total Investments (Cost - \$821,710*) - 166.9%

Other Assets Less Liabilities - 1.2%

Liability for Trust Certificates, Including Interest Expense

Preferred Stock, at Redemption Value - (54.8%)

Net Assets Applicable to Common Stock - 100.0%

* The cost and unrealized appreciation (depreciation) of investments as of July 31, 2007, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$	755,464
		=====
Gross unrealized appreciation	\$	18,983
Gross unrealized depreciation		(1,908)

Net unrealized appreciation	\$	17,075
		=====

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- (a) AMBAC Insured.
- (b) FGIC Insured.
- (c) FHLMC Collateralized.
- (d) FNMA/GNMA Collateralized.
- (e) FSA Insured.
- (f) MBIA Insured.
- (g) Prerefunded.
- (h) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.
- (i) Escrowed to maturity.
- (j) 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	Dividend Income
CMA California Municipal Money Fund	(1,086)	\$114

- (k) Represents the current yield as of July 31, 2007.
- (l) Assured Guaranty Insured.
- (m) Security may have a maturity of more than one year at time of issuance, but has variable rate and demand features that qualify it as a short-term security. The rate disclosed is that currently in effect. This rate changes periodically based upon prevailing market rates.
- (n) Represents a zero coupon bond; the interest rate shown is the effective yield at the time of purchase.
- (o) Securities represent underlying bonds transferred to a separate securitization trust established in a tender option bond transaction in which the Fund may have acquired the residual interest certificates. These securities serve as collateral in a financing transaction.
- (p) These securities are short-term floating rate certificates issued by tender option bond trusts and are secured by the underlying municipal bond securities.

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

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13a-15(b) under the Securities and 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 (17 CFR 270.30a-3(d)) 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/ Robert C. Doll, Jr.

Robert C. Doll, Jr.,
Chief Executive Officer (principal executive officer) of
BlackRock MuniYield California Insured Fund, Inc.

Date: September 20, 2007

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

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

Robert C. Doll, Jr.,
Chief Executive Officer (principal executive officer) of
BlackRock MuniYield California Insured Fund, Inc.

Date: September 20, 2007

By: /s/ Donald C. Burke

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

Date: September 20, 2007