

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 |
|--|--|--------------|--------------|
| California - 117.3% | Municipal Bonds | | |
| County/City/Special District/School | Alameda, California, GO, 5%, 8/01/33 (a) | \$ 2,350 | \$ 2,333,479 |
| District - 64.8% | Alameda County, California, Joint Powers Authority, Lease 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.

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

| | Par (000) | Value |
|---|----------------------|--------------|
| Municipal Bonds | | |
| 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 |

BlackRock MuniYield California Insured Fund, Inc.

Schedule of Investments April 30, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

| | Par (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| 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 |

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

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

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| | | | |
|-----------------------------------|---|--------|------------|
| Education - 6.2% | 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 |
| Health - 3.8% | 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 |
| Housing - 2.5% | 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 |
| State - 5.6% | 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 |
| Transportation - 11.0% | 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 |
|--|-------|-----------|

BlackRock MuniYield California Insured Fund, Inc.

| Schedule of Investments April 30, 2009 (Unaudited) | | (Percentages shown are based on Net Assets) | |
|---|--------------|---|--|
| | Par (000) | Value | |
| Municipal Bonds | | | |
| 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 | |
| Utilities - 23.4% | | | |
| 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 |
| Municipal Bonds | | |
| 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 |
| | Total Municipal Bonds - 117.3% | | 539,354,819 |
| | Municipal Bonds Transferred to Tender Option Bond Trusts (I) | | |
| California - 29.0% | | | |
| County/City/Special | Fremont, California, Unified School District, Alameda County, GO | | |
| District/School | (Election of 2002), Series B, 5%, 8/01/30 (b) | 5,997 | 5,942,280 |
| District - 2.9% | 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 |
| Education - 2.6% | 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 |
| Transportation - 7.3% | 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 |
| Utilities - 16.2% | 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 |
| Municipal Bonds Transferred to Tender Option Bond Trusts (I) | | |
| 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 |
| | Total Municipal Bonds Transferred to Tender Option Bond Trusts - 29.0% | | 133,443,318 |
| | Total Long-Term Investments (Cost - \$696,952,171) - 146.3% | | 672,798,137 |
| | Short-Term Securities | | |
| California - 2.8% | 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 |
| | | | Shares |
| Money Market Fund - 1.8% | CMA California Municipal Money Fund, 0.26% (n)(o) | 8,236,924 | 8,236,924 |
| | Total Short-Term Securities (Cost - \$21,236,924) - 4.6% | | 21,236,924 |
| | Total Investments (Cost - \$718,189,095*) - 150.9% | | 694,035,061 |
| | Other Assets Less Liabilities - 6.7% | | 30,874,579 |
| | Liability for Trust Certificates, Including Interest Expense and Fees Payable - (15.8)% | | (72,720,824) |
| | Preferred Shares, at Redemption Value - (41.8)% | | (192,342,808) |
| | Net Assets Applicable to Common Shares - 100.0% | | \$ 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 |
|-----------|--------|---------------------------|
|-----------|--------|---------------------------|

| | Assets | |
|--------------|---------------|--------------------|
| Level 1 | \$ | 8,236,924 |
| Level 2 | | 685,798,137 |
| Level 3 | | - |
| Total | \$ | 694,035,061 |

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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
