

BLACKROCK MUNIYIELD CALIFORNIA FUND, INC
Form N-Q
December 22, 2010

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANY**

Investment Company Act file number 811-06499

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

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock
MuniYield California 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: 07/31/2011

Date of reporting period: 10/31/2010

Item 1 Schedule of Investments

Schedule of Investments October 31, 2010 (Unaudited)

BlackRock MuniYield California Fund, Inc. (MYC)
 (Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| California 90.5% | | |
| Corporate 5.4% | | |
| California Pollution Control Financing Authority, Waste Management Inc. Project, Series C, RB, AMT (a): 5.13%, 11/01/23 | \$ 5,000 | \$ 5,174,150 |
| Mandatory Put Bonds, 6.75%, 12/01/27 | 3,300 | 3,322,110 |
| City of Chula Vista California, RB, San Diego Gas & Electric, Series B, AMT, 5.00%, 12/01/27 | 7,500 | 7,752,750 |
| City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series A, 5.88%, 2/15/34 | 975 | 1,099,936 |
| | | 17,348,946 |
| County/City/Special District/School District 31.1% | | |
| Arcata Joint Powers Financing Authority California, Tax Allocation Bonds, Refunding, Community Development Project Loan, Series A (AMBAC), 6.00%, 8/01/23 | 2,415 | 2,417,053 |
| City & County of San Francisco California, COP, Refunding, Series A: 5.00%, 10/01/29 | 3,540 | 3,738,311 |
| 5.00%, 10/01/30 | 6,700 | 7,031,181 |
| City of Los Angeles California, COP, Senior, Sonnenblick Del Rio West Los Angeles (AMBAC), 6.20%, 11/01/31 | 2,000 | 2,022,460 |
| El Dorado Union High School District, GO, Election of 2008, 5.00%, 8/01/35 | 5,000 | 5,276,150 |
| El Monte Union High School District California, GO, Election of 2002, | | |

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| | | |
|--|--------|------------|
| Series C (AGM), 5.25%, 6/01/32 | 10,120 | 10,831,132 |
| Fontana Unified School District | | |
| California, GO, Series A (AGM), 5.25%, 8/01/28 | 7,000 | 7,433,510 |
| Los Angeles Community College District | | |
| California, GO, Election of 2003, Series F-1, 5.00%, 8/01/33 | 5,550 | 5,840,931 |
| Los Angeles Municipal Improvement Corp., RB, Real Property, Series E: | | |
| 5.75%, 9/01/34 | 1,000 | 1,080,420 |
| 6.00%, 9/01/34 | 1,860 | 2,051,506 |
| Modesto Irrigation District, COP, Series B, 5.50%, 7/01/35 | 3,300 | 3,533,970 |

| Municipal Bonds | Par (000) | Value |
|---|--------------|--------------|
| California (continued) | | |
| County/City/Special District/School District (continued) | | |
| Morgan Hill Unified School District | | |
| California, GO, CAB (FGIC), 5.07%, 8/01/26 (b)(c) | \$ 7,570 | \$ 4,321,410 |
| Murrieta Valley Unified School District | | |
| Public Financing Authority, Special Tax Bonds, Refunding, Series A (AGC), 5.13%, 9/01/26 | 6,575 | 7,019,930 |
| Oak Grove School District California, GO, Election of 2008, Series A, 5.50%, 8/01/33 | 4,000 | 4,374,320 |
| Pico Rivera Public Financing Authority, RB: | | |
| 5.50%, 9/01/31 | 1,500 | 1,571,505 |
| 5.75%, 9/01/39 | 6,025 | 6,310,464 |
| Pittsburg Redevelopment Agency, Tax Allocation Bonds, Refunding, Subordinate, Los Medanos Community Project, Series A, 6.50%, 9/01/28 | 2,750 | 3,080,797 |
| San Diego Regional Building Authority California, RB, County Operations | | |

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Center & Annex, Series A:

| | | |
|--|--------|-----------|
| 5.38%, 2/01/28 | 150 | 164,261 |
| 5.38%, 2/01/36 | 3,200 | 3,441,312 |
| San Jose Evergreen Community College | | |
| District California, GO, Refunding, | | |
| CAB, Election of 2004, Series A | | |
| (NPFGC), 5.12%, 9/01/23 (b) | 10,005 | 5,309,954 |
| San Jose Unified School District Santa | | |
| Clara County California, GO, Election | | |
| of 2002, Series D, 5.00%, 8/01/32 | 5,000 | 5,302,900 |
| Santa Ana Unified School District, GO, | | |
| Election of 2008, Series A, 5.13%, | | |
| 8/01/33 | 5,020 | 5,290,327 |
| Santa Cruz County Redevelopment | | |
| Agency California, Tax Allocation | | |
| Bonds, Live Oak/Soquel Community | | |
| Improvement, Series A: | | |
| 6.63%, 9/01/29 | 1,000 | 1,117,140 |
| 7.00%, 9/01/36 | 600 | 677,970 |

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. | FGIC | Financial Guaranty Insurance Co. |
| AGM | Assured Guaranty Municipal Corp. | GO | General Obligation Bonds |
| AMBAC | American Municipal Bond Assurance Corp. | LRB | Lease Revenue Bonds |
| AMT | Alternative Minimum Tax (subject to) | NPFGC | National Public Finance Guarantee Corp. |
| CAB | Capital Appreciation Bonds | RB | Revenue Bonds |
| COP | Certificates of Participation | | |

BLACKROCK MUNIYIELD CALIFORNIA FUND, INC.

OCTOBER 31, 2010

Schedule of Investments^(continued)

BlackRock MuniYield California Fund, Inc. (MYC)
 (Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| California (continued) | | |
| County/City/Special District/School | | |
| District (concluded) | | |
| Westminster Redevelopment Agency | | |
| California, Tax Allocation Bonds, Subordinate, Commercial | | |
| Redevelopment Project No. 1 (AGC), 6.25%, 11/01/39 | \$ 1,250 | \$ 1,443,238 |
| | | 100,682,152 |
| Education 6.6% | | |
| California Educational Facilities | | |
| Authority, RB, Pitzer College, 6.00%, 4/01/40 | 2,500 | 2,765,075 |
| California State Enterprise Development | | |
| Authority, Refunding RB, The Thacher School Project, 5.13%, 9/01/39 | 6,965 | 7,191,920 |
| California State University, RB, Systemwide, Series A, 5.50%, 11/01/39 | 2,725 | 2,954,281 |
| San Francisco Community College | | |
| District, GO, Election of 2005, Series D, 5.00%, 6/15/34 | 5,420 | 5,755,823 |
| University of California, RB, Limited Project, Series D (NPFGC), 5.00%, 5/15/32 | 2,500 | 2,619,175 |
| | | 21,286,274 |
| Health 12.0% | | |
| ABAG Finance Authority for Nonprofit | | |
| Corps, Refunding RB, Sharp Healthcare, 6.38%, 8/01/34 | 2,000 | 2,141,620 |
| California Health Facilities Financing | | |
| Authority, Refunding RB: Catholic Healthcare West, Series A, | | |

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| | | |
|--|--------|------------|
| 6.00%, 7/01/39 | 10,000 | 10,886,700 |
| Catholic Healthcare West, Series E, | | |
| 5.63%, 7/01/25 | 6,000 | 6,515,760 |
| St. Joseph Health System, Series A, | | |
| 5.50%, 7/01/29 | 2,100 | 2,235,303 |
| California Statewide Communities | | |
| Development Authority, RB, Health | | |
| Facility, Memorial Health Services, | | |
| Series A: | | |
| 6.00%, 10/01/23 | 3,270 | 3,448,836 |
| 5.50%, 10/01/33 | 3,015 | 3,097,400 |
| California Statewide Communities | | |
| Development Authority, Refunding RB: | | |
| Catholic Healthcare West, Series D, | | |
| 5.50%, 7/01/31 | 5,155 | 5,382,490 |
| Senior Living, Southern California, | | |
| 6.25%, 11/15/19 | 500 | 537,535 |
| Senior Living, Southern California, | | |
| 6.63%, 11/15/24 | 650 | 707,337 |
| Senior Living, Southern California, | | |
| 7.00%, 11/15/29 | 500 | 546,530 |
| Senior Living, Southern California, | | |
| 7.25%, 11/15/41 | 1,750 | 1,925,280 |
| City of Torrance California, Refunding | | |
| RB, Torrance Memorial Medical | | |
| Center, Series A, 6.00%, 6/01/22 | 1,310 | 1,348,750 |
| | | 38,773,541 |

| | Par | Value |
|--|-------|-----------|
| Municipal Bonds | (000) | |
| California (continued) | | |
| Housing 1.1% | | |
| California Rural Home Mortgage Finance | | |
| Authority, RB, AMT: | | |
| Mortgage-Backed Securities | | |
| Program, Series B (Ginnie Mae), | | |
| 6.15%, 6/01/20 | \$ 20 | \$ 20,949 |
| Sub-Series FH-1, 5.50%, 8/01/47 | 400 | 201,140 |
| Santa Clara County Housing Authority | | |
| California, RB, John Burns Gardens | | |

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| | | |
|--|--------|-------------------------|
| Apartments Project, Series A, AMT, 6.00%, 8/01/41 | 3,500 | 3,511,305 3,733,394 |
| State 8.9% | | |
| California State Public Works Board, RB: Department of Developmental Services, Porterville, Series C, 6.25%, 4/01/34 | 1,100 | 1,188,033 |
| Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 | 10,000 | 11,020,300 |
| Trustees of the California State University, Series D, 6.00%, 4/01/27 | 215 | 233,778 |
| Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34 | 1,850 | 2,027,730 |
| State of California, GO, Various Purpose: 6.00%, 3/01/33 | 4,000 | 4,594,560 |
| 6.50%, 4/01/33 | 5,000 | 5,878,350 |
| 6.00%, 4/01/35 | 3,390 | 3,790,935 |
| | | 28,733,686 |
| Transportation 4.6% | | |
| County of Orange California, RB, Series B, 5.75%, 7/01/34 | 3,000 | 3,288,030 |
| County of Sacramento California, RB, Senior Series B, 5.75%, 7/01/39 | 900 | 980,469 |
| San Francisco City & County Airports Commission, RB, Series E, 6.00%, 5/01/39 | 4,835 | 5,432,558 |
| San Francisco Port Commission California, RB, Series A, 5.13%, 3/01/40 | 5,000 | 5,105,700 14,806,757 |
| Utilities 20.8% | | |
| California Infrastructure & Economic Development Bank, RB, California Independent System Operator, Series A, 6.25%, 2/01/39 | 2,170 | 2,324,851 |
| California Pollution Control Financing Authority, RB, American Water Capital Corp. Project, 5.25%, 8/01/40 (d) | 2,000 | 2,022,660 |

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California Statewide Communities
Development Authority, RB, Pooled
Financing Program, Series C, City of
West Sacramento (AGM), 5.25%,

| | | |
|----------|-------|-----------|
| 10/01/28 | 2,380 | 2,463,205 |
|----------|-------|-----------|

California Statewide Communities
Development Authority, Refunding RB,
Southern California Edison, Series A,
4.50%, 9/01/29

| | |
|-------|-----------|
| 5,000 | 4,943,400 |
|-------|-----------|

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OCTOBER 31, 2010

Schedule of Investments^(continued)

BlackRock MuniYield California Fund, Inc. (MYC)
 (Percentages shown are based on Net Assets)

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| California (concluded) | | |
| Utilities (concluded) | | |
| City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series D, 5.88%, 1/01/34 | \$ 2,500 | \$ 2,820,350 |
| City of Los Angeles California, Refunding RB, Sub-Series A, 5.00%, 6/01/32 | 3,000 | 3,224,490 |
| Eastern Municipal Water District California, COP, Series H, 5.00%, 7/01/35 | 8,000 | 8,383,520 |
| Los Angeles Department of Water & Power, RB, System, Sub-Series A-1 (AMBAC), 5.00%, 7/01/38 | 6,530 | 6,830,837 |
| Oxnard Financing Authority, RB, Redwood Trunk Sewer & Headworks, Series A (NPFGC), 5.25%, 6/01/34 | 4,205 | 4,337,626 |
| Sacramento Municipal Utility District, RB, Cosumnes Project (NPFGC), 5.13%, 7/01/29 | 18,500 | 19,345,080 |
| Sacramento Regional County Sanitation District, Refunding RB, County Sanitation District 1 (NPFGC), 5.00%, 8/01/35 | 5,925 | 6,124,435 |
| San Diego Public Facilities Financing Authority, Refunding RB, Senior Series A, 5.38%, 5/15/34 | 1,910 | 2,075,406 |
| San Francisco City & County Public Utilities Commission, Refunding RB, Series A, 5.13%, 11/01/39 | 2,295 | 2,462,076 |
| | | 67,357,936 |
| Total Municipal Bonds in California | | 292,722,686 |
| Puerto Rico 2.8% | | |
| County/City/Special District/School District 1.4% | | |

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| | | |
|--|-----------|---------------|
| Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 6.50%, 8/01/44 | 4,000 | 4,604,560 |
| State 1.4% | | |
| Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series B, 6.50%, 7/01/37 | 4,000 | 4,568,880 |
| Total Municipal Bonds in Puerto Rico | | 9,173,440 |
| Total Municipal Bonds 93.3% | | 301,896,126 |
| Municipal Bonds Transferred to Tender | | |
| Option Bond Trusts (e) | | |
| California 74.4% | | |
| Corporate 8.4% | | |
| San Francisco Bay Area Rapid Transit District, Refunding RB, Series A (NPFGC), 5.00%, 7/01/30 | 6,000 | 6,331,560 |
| University of California, RB: Limited Project, Series B (AGM), 5.00%, 5/15/33 | 8,488 | 8,791,280 |
| Series L, 5.00%, 5/15/40 | 11,597 | 12,095,976 |
| | | 27,218,816 |
| County/City/Special District/School District 36.2% | | |
| City of Los Angeles California, Refunding RB, Series A, 5.00%, 6/01/39 | 9,870 | 10,397,650 |
| Municipal Bonds Transferred to Tender | Par | |
| Option Bond Trusts (e) | (000) | Value |
| California (continued) | | |
| County/City/Special District/School District (concluded) | | |
| Contra Costa Community College District California, GO, Election of 2002 (AGM), 5.00%, 8/01/30 | \$ 10,215 | \$ 10,534,775 |
| Fremont Unified School District Alameda County California, GO, Election of 2002, Series B (AGM), 5.00%, 8/01/30 | 4,003 | 4,158,792 |
| Los Angeles Community College District California, GO: Election of 2001, Series E-1, 5.00%, | | |

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| | | |
|---|--------|-------------|
| 8/01/33 | 14,850 | 15,628,437 |
| Election of 2003, Series E (AGM), 5.00%, 8/01/31 | 10,002 | 10,474,051 |
| Election of 2008, Series A, 6.00%, 8/01/33 | 3,828 | 4,394,988 |
| Election of 2008, Series C, 5.25%, 8/01/39 | 9,680 | 10,413,744 |
| Orange County Sanitation District, COP (NPFGC), 5.00%, 2/01/33 | 9,348 | 9,557,019 |
| San Diego Community College District California, GO, Election of 2002, 5.25%, 8/01/33 | 7,732 | 8,386,368 |
| San Francisco Bay Area Transit Financing Authority, Refunding RB, Series A (NPFGC), 5.00%, 7/01/34 | 5,439 | 5,670,240 |
| Santa Clara County Financing Authority, Refunding LRB, Series L, 5.25%, 5/15/36 | 10,001 | 10,627,665 |
| Sonoma County Junior College District, GO, Refunding, Election of 2002, Series B (AGM), 5.00%, 8/01/28 | 6,875 | 7,256,901 |
| Twin Rivers Unified School District, GO, Election of 2006 (AGM), 5.00%, 8/01/29 | 9,390 | 9,680,808 |
| | | 117,181,438 |
| Education 10.5% | | |
| California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/39 | 13,845 | 14,990,120 |
| California State University, RB, Systemwide, Series A (AGM), 5.00%, 11/01/39 | 4,840 | 4,989,556 |
| Peralta Community College District, GO, Election of 2000, Series D (AGM), 5.00%, 8/01/30 | 1,995 | 2,079,628 |
| University of California, RB: Series L, 5.00%, 5/15/36 | 8,500 | 8,875,530 |
| Series O, 5.75%, 5/15/34 | 2,805 | 3,198,653 |
| | | 34,133,487 |
| Utilities 19.3% | | |
| Eastern Municipal Water District, COP, | | |

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| | | |
|--|--------|------------|
| Series H, 5.00%, 7/01/33 | 4,748 | 4,994,696 |
| Los Angeles Department of Water & Power, RB: Power System, Sub-Series A-1 (AMBAC), 5.00%, 7/01/37 | 15,098 | 15,847,171 |
| System, Sub-Series A-2 (AGM), 5.00%, 7/01/35 | 7,250 | 7,498,965 |

BLACKROCK MUNIYIELD CALIFORNIA FUND, INC.

OCTOBER 31, 2010

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Schedule of Investments^(concluded)

BlackRock MuniYield California Fund, Inc. (MYC)
(Percentages shown are based on Net Assets)

| Municipal Bonds Transferred to Tender | Par | Value |
|--|-----------|----------------|
| Option Bond Trusts (e) | (000) | |
| California (concluded) | | |
| Utilities (concluded) | | |
| Metropolitan Water District of Southern California, RB: | | |
| Series A, 5.00%, 7/01/37 | \$ 20,000 | \$ 21,172,000 |
| Series C, 5.00%, 7/01/35 | 7,145 | 7,515,082 |
| San Diego County Water Authority, COP, Series A (AGM), 5.00%, 5/01/31 | 5,010 | 5,267,364 |
| | | 62,295,278 |
| Total Municipal Bonds Transferred to Tender Option Bond Trusts 74.4% | | 240,829,019 |
| Total Long-Term Investments (Cost \$520,944,381) 167.7% | | 542,725,145 |
| Short-Term Securities | Shares | |
| BIF California Municipal Money Fund, 0.04%, 12/31/22 (f)(g) | 3,983,597 | 3,983,597 |
| Total Short-Term Securities (Cost \$3,983,597) 1.3% | | 3,983,597 |
| Total Investments (Cost \$524,927,978*) 169.0% | | 546,708,742 |
| Other Assets Less Liabilities 1.7% | | 5,593,901 |
| Liability for Trust Certificates, Including Interest | | |
| Expense and Fees Payable (37.9)% | | (122,766,857) |
| Preferred Shares, at Redemption Value (32.8)% | | (105,960,238) |
| Net Assets Applicable to Common Shares 100.0% | | \$ 323,575,548 |

* The cost and unrealized appreciation (depreciation) of investments as of October 31, 2010, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|----------------|
| Aggregate cost | \$ 402,443,003 |
| Gross unrealized appreciation | \$ 22,446,843 |
| Gross unrealized depreciation | (839,758) |
| Net unrealized appreciation | \$ 21,607,085 |

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- (a) Variable rate security. Rate shown is as of report date.
- (b) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (c) Security is collateralized by Municipal or US Treasury obligations.
- (d) Security exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (e) 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.
- (f) Investments in companies considered to be an affiliate of the Fund during the period, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

| | Shares Held at July 31, 2010 | Net Activity | Shares Held at October 31, 2010 | Income |
|---|---------------------------------------|-----------------|--|--------|
| Affiliate | | | | |
| BIF California Municipal Money Fund | 12,364,497 | (8,380,900) | 3,983,597 | \$ 887 |

- (g) Represents the current yield as of report date.

For Fund compliance purposes, the Fund's sector classifications refer to any one or more of the sector sub-classifications used by one or more widely recognized market indexes or rating group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine such sector sub-classifications for reporting ease.

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)

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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 methodologies 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, 2010 in determining the fair valuation of the Fund's investments:

| Valuation Inputs | Level 1 | Level 2 | Level 3 | Total |
|----------------------------|--------------|----------------|----------------|---------------|
| Assets: | | | | |
| Investments in Securities: | | | | |
| Long-Term | | | | |
| Investments ¹ | | \$ 542,725,145 | | \$542,725,145 |
| Short-Term | | | | |
| Securities | \$ 3,983,597 | | | 3,983,597 |
| Total | | \$ 3,983,597 | \$ 542,725,145 | \$546,708,742 |

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

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OCTOBER 31, 2010

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 13a-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 Fund, Inc.

By: /s/ Anne F. Ackerley

Anne F. Ackerley

Chief Executive Officer of

BlackRock MuniYield California Fund, Inc.

Date: December 22, 2010

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

By: /s/ Anne F. Ackerley

Anne F. Ackerley

Chief Executive Officer (principal executive officer) of

BlackRock MuniYield California Fund, Inc.

Date: December 22, 2010

By: /s/ Neal J. Andrews

Neal J. Andrews

Chief Financial Officer (principal financial officer) of

BlackRock MuniYield California Fund, Inc.

Date: December 22, 2010