MUNIYIELD CALIFORNIA FUND INC

Form N-Q

September 26, 2006

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 811-6499

Name of Fund: MuniYield California 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, MuniYield California 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: (609) 282-2800

Date of fiscal year end: 10/31/2006

Date of reporting period: 05/01/06 - 07/31/06

Item 1 - Schedule of Investments

MuniYield California Fund, Inc.

Schedule of Investments as of July 31, 2006

	Face Amount	Municipal Bonds
California - 145.9%	\$ 1,730	ABAG Finance Authority for Nonprofit Corporations, California, R Refunding Bonds (Redwood Senior Homes and Services), 6% due 11/1
	4,500	Anaheim, California, Public Financing Authority Revenue Bonds, R 6.14% due 10/01/2031 (f)(1)
	3 , 975	Antioch Area Public Facilities Financing Agency, California, Spe Facilities District Number 1989-1), 5.70% due 8/01/2009 (a)(i)
	2,820	Arcata, California, Joint Powers Financing Authority, Tax Alloca Refunding Bonds (Community Development Project Loan), Series A,
	2,500	Bakersfield, California, COP, Refunding (Convention Center Expan 5.80% due 4/01/2007 (h)(i)

3,500 Bay Area Toll Authority, California, Toll Bridge Revenue Refundi

1,305 California HFA, Home Mortgage Revenue Bonds, AMT, Series E, 5% d

Francisco Bay Area), Series F, 5% due 4/01/2031

5,000	California Health Facilities Financing Authority Revenue Bonds (RIB, Series 26, 7.06% due 6/01/2022 (f)(1)
2,430	California Health Facilities Financing Authority Revenue Bonds (Series A, 5% due $4/01/2037$
1,490	California Health Facilities Financing Authority Revenue Refundi Valley Hospital Medical Center), Series A, 5.625% due 7/01/2019
4,990	California Infrastructure and Economic Development Bank Revenue Gladstone Institute Project), 5.50% due 10/01/2022
3,000	California Pollution Control Financing Authority, Solid Waste Di Bonds (Waste Management Inc. Project), AMT, Series A-2, 5.40% du
6,435	California Pollution Control Financing Authority, Solid Waste Di Refunding Bonds (Waste Management Inc. Project), AMT, Series A,
420	California Rural Home Mortgage Finance Authority, Homebuyers Fun Revenue Bonds, AMT, Sub-Series FH-1, 5.50% due 8/01/2047
50	California Rural Home Mortgage Finance Authority, S/F Mortgage R (Mortgage-Backed Securities Program), AMT, Series B, 6.15% due 6
5,000	California State, GO, 5.125% due 4/01/2025
4,135	California State, GO, 5.50% due 4/01/2030
2,000	California State, GO, Refunding, 5.25% due 2/01/2030
1,295	California State, GO, Refunding, 5.75% due 5/01/2010 (i)
620	California State, GO, Refunding, 5.75% due 5/01/2030
2,785	California State, GO, Refunding (Veterans), AMT, Series BJ, 5.70
2,000	California State Public Works Board, Lease Revenue Bonds (Califo

University), Series C, 5.40% due 10/01/2022 (h)

Portfolio Abbreviations

To simplify the listings of MuniYield California 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
M/F	Multi-Family
RIB	Residual Interest Bonds
ROLS	Reset Option Long Securities
S/F	Single-Family

MuniYield California Fund, Inc.

Schedule of Investments as of July 31, 2006 (concluded)

Schedule of Investments as of July 31, 2006 (concluded)				
	Face Amount	Municipal Bonds		
California (concluded)	\$ 5,000	California State Public Works Board, Lease Revenue Bonds (Depart Corrections), Series C, 5.50% due 6/01/2023		
	6,645	California State Public Works Board, Lease Revenue Bonds (Depart Services), Series A, 5.75% due 11/01/2009 (h)(i)		
	17,000	California State Public Works Board, Lease Revenue Bonds (Variou College Projects), Series A, 5.625% due 3/01/2016 (a)		
	6,850	California State, Various Purpose, GO, 5.50% due 11/01/2033		
	5,250	California Statewide Communities Development Authority, COP (Joh Diablo Health System), 5.125% due 8/15/2022 (h)		
	3,270	California Statewide Communities Development Authority, Health F Bonds (Memorial Health Services), Series A, 6% due 10/01/2023		
	3,000	California Statewide Communities Development Authority, Health F Bonds (Memorial Health Services), Series A, 5.50% due 10/01/2033		
	2,380	California Statewide Communities Development Authority, Water Re (Pooled Financing Program), Series C, 5.25% due 10/01/2028 (f)		
	2,000	Chino Basin, California, Regional Financing Authority Revenue Bo Utility Agency Sewer Project), 5.75% due 11/01/2009 (h)(i)		
	5,105	Contra Costa, California, Community College District, GO, ROLS, 6.25% due 8/01/2030 (f)(l)		
	2,705	Contra Costa County, California, Public Financing Lease Revenue (Various Capital Facilities), Series A, 5.30% due 8/01/2020 (h)		
	3,750	Cucamonga, California, County Water District, COP, 5.125% due 9/		
	2,500	Davis, California, Joint Unified School District, Community Faci Special Tax Refunding Bonds, Number 1, 5.50% due 8/15/2021 (h)		
	4,000	Fremont, California, Unified School District, Alameda County, GO Series B, 5% due 8/01/2030 (f)		
	1,650	Galt, California, Joint Union High School District, GO (Election 5.25% due 8/01/2026 (h)		
	4,650	Golden State Tobacco Securitization Corporation of California, T Revenue Bonds, Series A-4, 7.80% due 6/01/2042		

Series B, 5% due 8/01/2029 (d)

4/01/2030 (a)

5,595 Grossmont-Cuyamaca Community College District, California, GO (E

5,025 Indio, California, Water Authority, Water Enterprise Revenue Bon

5,000 Industry, California, Urban Development Agency, Tax Allocation F

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- (Civic-Recreational-Industrial Redevelopment Project Number 1), 5/01/2020 (h)
- 3,010 La Quinta, California, Financing Authority, Local Agency Tax All Revenue Refunding Bonds, ROLS, Series II-R-412X, 6.492% due 9/01
- 2,000 Los Angeles, California, COP (Sonnenblick Del Rio West Los Angel 11/01/2031 (a)
- 6,000 Los Angeles, California, Harbor Department Revenue Bonds, AMT, S due 11/01/2023
- 8,310 Los Angeles, California, Harbor Department Revenue Bonds, AMT, S due 11/01/2026 (h)
- 7,000 Los Angeles, California, Wastewater System Revenue Bonds, Series 6/01/2008 (d)(i)
- 4,500 Los Angeles, California, Wastewater System, Revenue Refunding Bo Series A, 5% due 6/01/2027 (h)
- 3,780 Los Angeles County, California, Metropolitan Transportation Authors Revenue Refunding Bonds, Proposition A, First Tier Senior-Series 7/01/2027 (a)
- 5,000 Los Angeles County, California, Public Works Financing Authority Bonds (Multiple Capital Facilities Project VI), Series A, 5.625%
- 2,805 Los Angeles County, California, Sanitation Districts Financing A Refunding Bonds (Capital Projects - District Number 14), Sub-Ser 10/01/2025 (d)
- 2,550 Los Angeles County, California, Sanitation Districts Financing A Refunding Bonds (Capital Projects - District Number 14), Sub-Ser 10/01/2030 (d)
- 1,000 Metropolitan Water District of Southern California, Waterworks F Series A, 5% due 7/01/2030 (f)
- 8,705 Modesto, California, Wastewater Treatment Facilities Revenue Bor11/01/2007 (h)(i)
- 7,570 Morgan Hill, California, Unified School District, GO, 5% due 8/0
- 6,675 Murrieta Valley, California, Unified School District, Public Fin Special Tax Revenue Bonds, Series A, 5.125% due 9/01/2026 (b)
- 1,750 North City-West, California, School Facilities Financing Authori Refunding Bonds, Series B, 5.75% due 9/01/2006 (f)(i)
- 6,240 Oakland, California, Alameda County Unified School District, GO 5% due 8/01/2027 (h)
- 3,290 Oakland, California, Alameda County Unified School District, GO, due 8/01/2017 (h)
- 3,770 Oakland, California, Alameda County Unified School District, GO, due 8/01/2018 (h)

- 5,250 Orange County, California, Sanitation District, COP, 5% due 2/01
- 3,000 Oxnard, California, Financing Authority, Wastewater Revenue Bond Sewer and Headworks Projects), Series A, 5.25% due 6/01/2034 (d)
- 5,230 Palm Desert, California, Financing Authority, Tax Allocation Rev Bonds, ROLS, Series II-R-590X, 6.502% due 8/01/2036 (a)(1)
- 1,000 Palm Springs, California, Financing Authority, Lease Revenue Ref (Convention Center Project), Series A, 5.50% due 11/01/2035 (h)
- 2,000 Peralta, California, Community College District, GO (Election of 5% due 8/01/2030 (f)
- 1,750 Pleasant Valley, California, School District, Ventura County, GC due 8/01/2025 (c)(h)
- 2,255 Pomona, California, Public Financing Authority, Revenue Refunding Redevelopment Project), Series A1, 5.75% due 2/01/2034
- 10,600 Port of Oakland, California, Port Revenue Refunding Bonds, Serie 11/01/2017 (h)
- 5,807 Port of Oakland, California, RIB, Refunding, AMT, Series 717X, 6
- 4,315 Rancho Cucamonga, California, Redevelopment Agency, Tax Allocati (Rancho Redevelopment Project), 5.25% due 9/01/2020 (f)
- 2,345 Richmond, California, Redevelopment Agency, Tax Allocation, Refu Redevelopment Project), Series A, 5.50% due 7/01/2018 (h)
- 5,000 Sacramento, California, Municipal Utility District, Electric Rev Series L, 5.125% due 7/01/2022 (h)
- 2,500 Sacramento, California, Municipal Utility District Financing Aut (Consumers Project), 5.125% due 7/01/2029 (h)
- 8,000 Sacramento, California, Municipal Utility District Financing Aut Bonds, DRIVERS, Series 1237Z, 6.301% due 1/01/2014 (h)(1)
- 6,775 Sacramento County, California, Sanitation District Financing Aut Refunding Bonds (County Sanitation District Number 1), 5% due 8/
- 3,455 Sacramento County, California, Sanitation District Financing Aut Refunding Bonds, Series A, 5.60% due 12/01/2017
- 2,110 Salinas Valley, California, Solid Waste Authority, Revenue Refun 5.125% due 8/01/2022 (a)
- 8,000 San Bernardino, California, City Unified School District, GO, Re 5.875% due 8/01/2009 (d)(i)
- 3,000 San Bernardino, California, Joint Powers Financing Authority, Le (Department of Transportation Lease), Series A, 5.50% due 12/01/
- 10,355 San Diego, California, Certificates of Undivided Interest, Revenue Series II-R-551X, 6.324% due 8/01/2024 (d)(1)
- 1,665 San Diego, California, Community College District, GO (Election 5/01/2030 (f)

- 3,600 San Diego, California, Unified School District, GO (Election of 5% due 7/01/2029 (f)
- 5,010 San Diego County, California, Water Authority, Water Revenue Bon 5% due 5/01/2031 (f)
- 2,715 San Francisco, California, Bay Area Rapid Transit District, Sale Refunding Bonds, RIB, Series 1318-X, 6.14% due 7/01/2034 (h)(1)
- 6,000 San Francisco, California, Bay Area Rapid Transit District, Sale Refunding Bonds, Series A, 5% due 7/01/2030 (h)
- 1,720 San Francisco, California, City and County Educational Facilitie College), Series A, 5.75% due 6/15/2019
- 1,310 San Francisco, California, City and County Zoo Facilities, GO, S due 6/15/2019
- 4,615 San Jose, California, Airport Revenue Bonds, Series D, 5% due 3/
- 1,855 San Jose, California, Unified School District, Santa Clara Count of 2002), Series B, 5% due 8/01/2029 (d)
- 10,005 San Jose-Evergreen, California, Community College District, Capi GO (Election of 2004), Refunding, Series A, 5.12% due 9/01/2023
- 5,000 San Jose-Evergreen, California, Community College District, Capi GO (Election of 2004), Refunding, Series A, 5.33% due 9/01/2028
- 5,000 San Juan, California, Unified School District, GO (Election of 2 8/01/2028 (h)
- 2,020 Santa Clara, California, Unified School District, GO, 5.50% due
- 3,500 Santa Clara County, California, Housing Authority, M/F Housing F (John Burns Gardens Apartments Project), AMT, Series A, 6% due 8
- 2,170 Santa Clarita, California, Community College District, GO (Elect due 8/01/2028 (f)
- 8,315 Santa Monica, California, Community College District, GO (Electi Refunding, Series C, 5.07% due 8/01/2028 (h)(m)
- 4,000 Santa Monica, California, Community College District, GO (Electi Series A, 5% due 5/01/2030 (h)
- 4,000 Santa Monica, California, Redevelopment Agency, Tax Allocation E Recovery Redevelopment Project), 6% due 7/01/2009 (a)(i)
- 2,500 Sequoia, California, Unified High School District, GO, Refunding
 7/01/2028 (f)
- 1,675 Shasta-Tehama-Trinity Joint Community College District, Californ of 2002), Series B, 5.25% due 8/01/2024 (f)
- 6,875 Sonoma County, California, Junior College District, GO (Election Series B, 5% due 8/01/2028 (f)
- 2,265 South Bayside, California, Waste Management Authority, Waste Sys 5.75% due 3/01/2020 (a)

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	1,600	Stockton, California, Public Financing Authority, Water Revenue Capital Improvement Projects), Series A, 5% due 10/01/2031 (h)
	2,930	Stockton, California, Public Financing Revenue Bonds (Redevelopm Series A, 5.25% due 9/01/2034 (j)
	3,235	Taft, California, Public Financing Authority, Lease Revenue Bond Correctional Facility), Series A, 6.05% due 1/01/2017 (h)
	1,310	Torrance, California, Hospital Revenue Refunding Bonds (Torrance Center), Series A, 6% due 6/01/2022
	4,245	University of California Revenue Bonds, ROLS, Series II-R-524, 6 5/15/2033 (f)(l)
	1,000	Ventura, California, Unified School District, GO (Election of 195.125% due 8/01/2034 (f)
	1,250	Vernon, California, Electric System Revenue Bonds (Malburg Gener Project), 5.50% due 4/01/2008 (i)
	2,740	Vernon, California, Electric System Revenue Bonds (Malburg Gener Project), 5.50% due 4/01/2008 (i)
	5,000	Vista, California, Joint Powers Financing Authority, Lease Rever 5.625% due 5/01/2016 (h)
	5,055	West Contra Costa, California, Unified School District, Capital (Election of 2002), Series C, 4.849% due 8/01/2027 (d)(m)
Puerto Rico - 3.0%	9,750	Puerto Rico Commonwealth Infrastructure Financing Authority, Spe Appreciation Revenue Bonds, Series A, 4.66% due 7/01/2033 (d) (m)
	6,500	Puerto Rico Electric Power Authority, Power Revenue Bonds, Serie 7/01/2029
U.S. Virgin Islands - 1.1%	3,000	Virgin Islands Government Refinery Facilities, Revenue Refunding Coker Project), AMT, 6.50% due 7/01/2021
		Total Municipal Bonds (Cost - \$456,485) - 150.0%
	Shares Held	Short-Term Securities
	2,860	CMA California Municipal Money Fund, 3.07% (g)(k)

Total Short-Term Securities (Cost - \$2,860) - 0.9%

Total Investments (Cost - \$459,345*) - 150.9%

Preferred Stock, at Redemption Value - (56.0%)

Net Assets Applicable to Common Stock - 100.0%

Other Assets Less Liabilities - 5.1%

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* The cost and unrealized appreciation (depreciation) of investments as of July 31, 2006, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$	459,496
	======	
Gross unrealized appreciation	\$	14,061
Gross unrealized depreciation		(1,656)
Net unrealized appreciation	\$	12,405
	======	:=======

- (a) AMBAC Insured.
- (b) Assured Guaranty Insured.
- (c) Escrowed to maturity.
- (d) FGIC Insured.
- (e) FNMA/GNMA Collateralized.
- (f) FSA Insured.
- (g) 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:

	Net	Dividend
Affiliate	Activity	Income
CMA California Municipal Money Fund	2,043	\$ 182

- (h) MBIA Insured.
- (i) Prerefunded.
- (j) Radian Insured.
- (k) Represents the current yield as of July 31, 2006.
- (1) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.
- (m) Represents a zero coupon bond; the interest rate shown reflects the effective yield at the time of purchase.

Item 2 - Controls and Procedures

2(a) - The registrant's certifying officers have reasonably designed such disclosure controls and procedures to ensure material information relating to the registrant is made known to us by others particularly during the period in which this report is being prepared. The registrant's certifying officers have determined that the registrant's disclosure controls and procedures are effective based on our evaluation of these controls and procedures as of a date within 90

days prior to the filing date of this report.

2(b) - There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR 270.30a-3(d)) that occurred during the last fiscal quarter of the period covered by this report that has materially affected, or is 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.

MuniYield California Fund, Inc.

By: /s/ Robert C. Doll, Jr.
-----Robert C. Doll, Jr.
Chief Executive Officer
MuniYield California Fund, Inc.

Date: September 20, 2006

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
MuniYield California Fund, Inc.

Date: September 20, 2006

By: /s/ Donald C. Burke
----Donald C. Burke
Chief Financial Officer
MuniYield California Fund, Inc.

Date: September 20, 2006