MUNIYIELD CALIFORNIA FUND INC Form N-Q March 28, 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: 11/01/05 - 01/31/06

Item 1 - Schedule of Investments

MuniYield California Fund, Inc.

Schedule of Investments as of January 31, 2006

	Face Amount	Municipal Bonds
California - 147.3%	\$ 1 , 730	ABAG Finance Authority for Nonprofit Corporations, California, R Bonds (Redwood Senior Homes and Services), 6% due 11/15/2022
	3,975	Antioch Area Public Facilities Financing Agency, California, Spe (Community Facilities District Number 1989-1), 5.70% due 8/01/20
	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 4/01/2017 (b)
	5,000	California Health Facilities Financing Authority Revenue Bonds (RIB, Series 26, 7.67% due 6/01/2022 (d)(h)
	1,490	California Health Facilities Financing Authority, Revenue Refund Valley Hospital Medical Center), Series A, 5.625% due 7/01/2019

4,990 California Infrastructure and Economic Development Bank Revenue

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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
- 1,000 California Pollution Control Financing Authority, Solid Waste Di Bonds (Waste Management Inc. Project), AMT, Series C, 5.125% due
- 7,000 California Pollution Control Financing Authority, Solid Waste Di Refunding Bonds (Waste Management Inc. Project), AMT, Series B,
 - 60 California Rural Home Mortgage Finance Authority, S/F Mortgage F (Mortgage Backed Securities Program), AMT, Series B, 6.15% due 6
- 4,500 California State Department of Water Resources, Power Supply Rev Series A, 5.75% due 5/01/2012 (f)
- 5,000 California State Department of Water Resources Revenue Bonds (Ce Project), 5.25% due 7/01/2022
- 3,790 California State, GO, Refunding, 5.75% due 5/01/2010 (f)
- 1,635 California State, GO, Refunding, 5.25% due 2/01/2029
- 2,000 California State, GO, Refunding, 5.25% due 2/01/2030
- 4,210 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 (Califor University), Series C, 5.40% due 10/01/2022 (b)
- 5,000 California State Public Works Board, Lease Revenue Bonds (Depart Series C, 5.50% due 6/01/2023

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
IDR	Industrial Development Revenue Bonds
M/F	Multi-Family
RIB	Residual Interest Bonds
RITR	Residual Interest Trust Receipts
ROLS	Reset Option Long Securities
S/F	Single-Family

MuniYield California Fund, Inc.

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

	Face Amount	Municipal Bonds
California (concluded)	\$ 6,645	California State Public Works Board, Lease Revenue Bonds (Depart Services), Series A, 5.75% due 11/01/2009 (b)(f)
	17,000	California State Public Works Board, Lease Revenue Bonds (Variou College Projects), Series A, 5.625% due 3/01/2016 (a)
	4,730	California State, Various Purpose, GO, 5.50% due 4/01/2030
	6,850	California State, Various Purpose, GO, 5.50% due 11/01/2033
	5 , 250	California Statewide Communities Development Authority, COP (Joh Health System), 5.125% due 8/15/2022 (b)
	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 (d)
	2,000	Chico, California, Redevelopment Agency, Tax Allocation Bonds (C and Merged Redevelopment Project), 5% due 4/01/2027 (a)
	2,000	Chino Basin, California, Regional Financing Authority Revenue Bo Empire Utility Agency Sewer Project), 5.75% due 11/01/2009 (b)(f
	5,500	Chula Vista, California, IDR (San Diego Gas and Electric Company 5% due 12/01/2027
	2,705	Contra Costa County, California, Public Financing Lease Revenue (Various Capital Facilities), Series A, 5.30% due 8/01/2020 (b)
	4,780	Corona, California, Department of Water and Power, COP, 5% due 9
	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 (b)
	2,700	Elk Grove, California, Unified School District, Special Tax Bond Facilities District Number 1), 5% due 12/01/2035 (b)
	4,000	Fremont, California, Unified School District, Alameda County, GO Series B, 5% due 8/01/2030 (d)
	4,650	Golden State Tobacco Securitization Corporation of California, T Revenue Bonds, Series A-4, 7.80% due 6/01/2042
	5 , 595	Grossmont-Cuyamaca Community College District, California, GO (E Series B, 5% due 8/01/2029 (e)
	5 , 025	Indio, California, Water Authority, Water Enterprise Revenue Bon 4/01/2030 (a)

- 14,915 Industry, California, Urban Development Agency, Tax Allocation F (Civic Recreation Industrial), Series 1, 5.50% due 5/01/2021 (b)
- 5,000 Industry, California, Urban Development Agency, Tax Allocation R (Civic-Recreational-Industrial Redevelopment Project Number 1),
- 3,010 La Quinta, California, Financing Authority, Local Agency Tax All Refunding Bonds, Bonds, ROLS, Series II-R-412X, 7.111% due 9/01/
- 2,000 Los Angeles, California, COP (Sonnenblick Del Rio West Los Angel 11/01/2031 (a)
- 2,000 Los Angeles, California, Harbor Department Revenue Bonds, AMT, S 8/01/2015
- 6,000 Los Angeles, California, Harbor Department Revenue Bonds, AMT, S due 11/01/2023
- 4,000 Los Angeles, California, Harbor Department Revenue Bonds, RITR, 9.065% due 11/01/2026 (b) (h)
- 7,000 Los Angeles, California, Wastewater System Revenue Bonds, Series
- 4,500 Los Angeles, California, Wastewater System, Revenue Refunding Bo Series A, 5% due 6/01/2027 (b)
- 3,780 Los Angeles County, California, Metropolitan Transportation Auth Revenue Refunding Bonds, Proposition A, First Tier Senior-Series 7/01/2027 (a)
- 5,000 Los Angeles County, California, Public Works Financing Authority (Multiple Capital Facilities Project VI), Series A, 5.625% due 5
- 3,735 Los Angeles County, California, Public Works Financing Authority Refunding Bonds (Master Refunding Project), Series A, 5% due 12/
- 2,305 Los Angeles County, California, Sanitation Districts Financing A Refunding Bonds (Capital Projects - District Number 14), Sub-Ser 10/01/2025 (e)
- 2,550 Los Angeles County, California, Sanitation Districts Financing A Refunding Bonds (Capital Projects - District Number 14), Sub-Ser 10/01/2030 (e)
- 1,375 Los Angeles County, California, Sanitation Districts Financing A Refunding Bonds (Capital Projects - District Number 14), Sub-Ser 10/01/2034 (e)
- 1,000 Metropolitan Water District of Southern California, Waterworks R A, 5% due 7/01/2030 (d)
- 8,705 Modesto, California, Wastewater Treatment Facilities Revenue Bon due 11/01/2007 (b) (f)
- 7,570 Morgan Hill, California, Unified School District, GO, 5%** due 8
- 8,595 Napa Valley, California, Community College District, Capital App (Election of 2002), Series B, 5.16%** due 8/01/2024 (b)
- 1,750 North City-West, California, School Facilities Financing Authori Refunding Bonds, Series B, 5.75% due 9/01/2015 (d)

- 4,240 Oakland, California, Alameda County Unified School District, GO
 5% due 8/01/2027 (b)
- 3,290 Oakland, California, Alameda County Unified School District, GO, due 8/01/2017 (b)
- 3,770 Oakland, California, Alameda County Unified School District, GO, due 8/01/2018 (b)
- 11,395 Oakland, California, Joint Powers Financing Authority, Lease Rev Administration Buildings), 5.75% due 8/01/2006 (a)(f)
- 2,000 Oakland, California, Joint Powers Financing Authority, Lease Rev Administration Buildings), 5.90% due 8/01/2006 (a)(f)
- 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 (e)
- 1,000 Palm Springs, California, Financing Authority, Lease Revenue Ref (Convention Center Project), Series A, 5.50% due 11/01/2035 (b)
- 2,000 Peralta, California, Community College District, GO (Election of 5% due 8/01/2030 (d)
- 1,750 Pleasant Valley, California, School District, Ventura County, GO due 8/01/2025 (b)(g)
- 2,255 Pomona, California, Public Financing Authority, Revenue Refundin Redevelopment Project), Series A1, 5.75% due 2/01/2034
- 10,600 Port of Oakland, California, Port Revenue Refunding Bonds, Serie 11/01/2017 (b)
- 5,808 Port of Oakland, California, RIB, Refunding, AMT, Series 717X, 7 11/01/2027 (e)(h)
- 4,315 Rancho Cucamonga, California, Redevelopment Agency, Tax Allocati (Rancho Redevelopment Project), 5.25% due 9/01/2020 (d)
- 2,345 Richmond, California, Redevelopment Agency, Tax Allocation, Refu Redevelopment Project), Series A, 5.50% due 7/01/2018 (b)
- 5,000 Sacramento, California, Municipal Utility District, Electric Rev Series L, 5.125% due 7/01/2022 (b)
- 8,000 Sacramento, California, Municipal Utility District Financing Aut DRIVERS, Series 1237Z, 6.926% due 1/01/2014 (b) (h)
- 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
- 10,100 San Bernardino, California, City Unified School District, GO, Re
 5.875% due 8/01/2009 (e)(f)
- 3,000 San Bernardino, California, Joint Powers Financing Authority, Le (Department of Transportation Lease), Series A, 5.50% due 12/01/

- 4,000 San Bernardino County, California, Redevelopment Agency, Tax All Bonds (San Sevaine Redevelopment Project), Series A, 5% due 9/01
- 1,665 San Diego, California, Community College District, GO (Election 5/01/2030 (d)
- 3,600 San Diego, California, Unified School District, GO (Election of 5% due 7/01/2029 (d)
- 5,010 San Diego County, California, Water Authority, Water Revenue Bon 5% due 5/01/2031 (d)
- 6,000 San Francisco, California, Bay Area Rapid Transit District, Sale Refunding Bonds, Series A, 5% due 7/01/2030 (b)
- 5,430 San Francisco, California, Bay Area Rapid Transit District, Sale Refunding Bonds, Series A, 5% due 7/01/2034 (b)
- 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/
- 10,005 San Jose-Evergreen, California, Community College District, Capi GO (Election of 2004), Refunding, Series A, 5.12%** due 9/01/202
 - 5,000 San Jose-Evergreen, California, Community College District, Capi (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 (b)
- 5,040 San Ysidro, California, School District, Capital Appreciation, G Series D, 5.249%** due 8/01/2027 (e)
- 2,020 Santa Clara, California, Unified School District, GO, 5.50% due
- 3,500 Santa Clara County, California, Housing Authority, M/F Housing R Burns Gardens Apartments Project), AMT, Series A, 6% due 8/01/20
- 1,170 Santa Clarita, California, Community College District, GO (Elect 8/01/2028 (d)
- 8,315 Santa Monica, California, Community College District, GO (Electi Refunding, Series C, 5.07%** due 8/01/2028 (b)
- 4,000 Santa Monica, California, Community College District, GO (Electi Series A, 5% due 5/01/2030 (b)
- 4,000 Santa Monica, California, Redevelopment Agency, Tax Allocation E Recovery Redevelopment Project), 6% due 7/01/2029 (a)
- 2,500 Sequoia, California, Unified High School District, GO, Refunding
- 6,875 Sonoma County, California, Junior College District, GO (Election Series B, 5% due 8/01/2028 (d)
- 2,265 South Bayside, California, Waste Management Authority, Waste Sys 5.75% due 3/01/2020 (a)

- 6,750 South Tahoe, California, Joint Powers Financing Authority, Reven (South Tahoe Redevelopment Project Area Number 1), Series A, 5%
- 1,600 Stockton, California, Public Financing Authority, Water Revenue Capital Improvement Projects), Series A, 5% due 10/01/2031 (b)
- 3,235 Taft, California, Public Financing Authority, Lease Revenue Bond Correctional Facility), Series A, 6.05% due 1/01/2017 (b)
- 1,310 Torrance, California, Hospital Revenue Refunding Bonds (Torrance Center), Series A, 6% due 6/01/2022
- 1,000 Ventura, California, Unified School District, GO (Election of 19 due 8/01/2034 (d)
- 2,740 Vernon, California, Electric System Revenue Bonds (Malburg Gener Project), 5.50% due 4/01/2008 (f)
- 1,250 Vernon, California, Electric System Revenue Bonds (Malburg Gener Project), 5.50% due 4/01/2008 (f)
- 5,000 Vista, California, Joint Powers Financing Authority, Lease Reven 5.625% due 5/01/2016 (b)
- 5,055 West Contra Costa, California, Unified School District, Capital (Election of 2002), Series C, 4.849%** due 8/01/2027 (e)
- Puerto Rico 4.2% 2,140 Puerto Rico Commonwealth Highway and Transportation Authority, H Series Y, 5.50% due 7/01/2006 (b)(f)
 - 9,750 Puerto Rico Commonwealth Infrastructure Financing Authority, Spe Appreciation Revenue Bonds, Series A, 4.66%** due 7/01/2033 (e)
 - 9,750 Puerto Rico Commonwealth Infrastructure Financing Authority, Spe Appreciation Revenue Bonds, Series A, 4.77%** due 7/01/2043 (a)
 - 6,500 Puerto Rico Electric Power Authority, Power Revenue Bonds, Serie 7/01/2029
- U.S. Virgin3,000Virgin Islands Government Refinery Facilities, Revenue RefundingIslands 1.1%Project), AMT, 6.50% due 7/01/2021

Total Municipal Bonds (Cost - \$465,095) - 152.6%

Shares
Held Short-Term Securities
1,741 CMA California Municipal Money Fund (j)
Total Short-Term Securities (Cost - \$1,741) - 0.5%
Total Investments (Cost - \$466,836*) - 153.1%
Other Assets Less Liabilities - 2.1%
Preferred Stock, at Redemption Value - (55.2%)

Net Assets Applicable to Common Stock - 100.0%

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

Aggregate cost	\$ 466,987
Gross unrealized appreciation	\$ 19,099
Gross unrealized depreciation	(1,041)
Net unrealized appreciation	\$ 18,058

- ** Represents a zero coupon bond; the interest rate shown reflects the effective yield at the time of purchase.
- (a) AMBAC Insured.
- (b) MBIA Insured.
- (c) FNMA/GNMA Collateralized.
- (d) FSA Insured.
- (e) FGIC Insured.
- (f) Prerefunded.
- (g) Escrowed to maturity.
- (h) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.
- (i) Radian Insured.
- (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:

	Net	Dividend
Affiliate	Activity	Income
CMA California Municipal Money Fund	924	\$ 26

- 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.

Date: March 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: March 20, 2006

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

Date: March 20, 2006