MUNIYIELD CALIFORNIA FUND INC

Form N-O

March 30, 2005

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., President, 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: 10/31/05

Date of reporting period: 11/01/04 - 1/31/05

Item 1 - Schedule of Investments

MuniYield California Fund, Inc. Schedule of Investments as of January 31, 2005

Face

2,835

Amount Municipal Bonds

California - 134.3%

- \$ 1,730 ABAG Finance Authority for Nonprofit Corporations, California, Rev Refunding Bonds (Redwood Senior Homes and Services), 6% due 11/15/
 - 3,975 Antioch Area Public Facilities Financing Agency, California, Speci (Community Facilities District Number 1989-1), 5.70% due 8/01/2022
 - Arcata, California, Joint Powers Financing Authority, Tax Allocati 2,820 Refunding Bonds (Community Development Project Loan), Series A, 6% 8/01/2023 (a)
 - Bakersfield, California, COP, Refunding (Convention Center Expansi 2,500 Project), 5.80% due 4/01/2017 (h)

California HFA, Home Mortgage Revenue Bonds:

Series D, 5.85% due 8/01/2017 405

VRDN, AMT, Series R, 1.84% due 8/01/2032 (a)(k) 400

California Health Facilities Financing Authority Revenue Bonds: 5,000 (Kaiser Permanente), RIB, Series 26, 8.84% due 6/01/2022 (f) (j (Scripps Research Institute), Series A, 6.625% due 7/01/2018

1

1,490	California Health Facilities Financing Authority Revenue Refunding (Pomona Valley Hospital Medical Center), Series A, 5.625% due 7/01
2,520 4,990	California Infrastructure and Economic Development Bank Revenue Bo (Asian Museum Foundation of San Francisco), 5.50% due 6/01/201 (J. David Gladstone Institute Project), 5.50% due 10/01/2022
75 135	California Rural Home Mortgage Finance Authority, S/F Mortgage Rev (Mortgage Backed Securities Program), AMT: Series A-1, 6.90% due 12/01/2024 (d)(g) Series B, 6.15% due 6/01/2020 (e)
5,970 9,315 2,500	California State Department of Veteran Affairs, Home Purpose Reven Bonds, Series C: 5.875% due 12/01/2015 6.05% due 12/01/2020 6.15% due 12/01/2027

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
GO	General Obligation Bonds
HFA	Housing Finance Agency
M/F	Multi-Family
RIB	Residual Interest Bonds
RITR	Residual Interest Trust Receipts
S/F	Single-Family
VRDN	Variable Rate Demand Notes

MuniYield California Fund, Schedule of Investments as	Inc. of January 31, 2005 (concluded)
Fa Amou	
California (concluded)	
\$ 4,50 1,00	,
6,0	California State Department of Water Resources Revenue Bonds (Cent Project), 5.25% due 7/01/2022
8 - 01	California State, GO, Refunding:

California State, GO, Refunding:
5.75% due 5/01/2030
5% due 3/01/2034 (a)
Veterans, AMT, Series BJ, 5.70% due 12/01/2032
California State Public Works Board, Lease Revenue Bonds:
(California State University), Series C, 5.40% due 10/01/2022
(Department of Corrections), Series C, 5.50% due 6/01/2023
(Department of Health Services), Series A, 5.75% due 11/01/201
(Various Community College Projects), Series A, 5.625% due 3/0

3,000 3,500 3,900	California State University and Colleges, Housing System Revenue R Bonds (c): 5.75% due 11/01/2015 5.80% due 11/01/2017 5.90% due 11/01/2021
5,000	California State University, Systemwide Revenue Refunding Bonds, S 5% due 11/01/2034 (f)
4,730 6,850	California State, Various Purpose, GO: 5.50% due 4/01/2030 5.50% due 11/01/2033
5,250	California Statewide Communities Development Authority, COP (John Diablo Health System), 5.125% due 8/15/2022 (h)
3,270 3,000	California Statewide Communities Development Authority, Health Face Bonds (Memorial Health Services), Series A: 6% due 10/01/2023 (f) 5.50% due 10/01/2033
2,380	California Statewide Communities Development Authority, Water Reve (Pooled Financing Program), Series C, 5.25% due 10/01/2028 (f)
2,000	Chino Basin, California, Regional Financing Authority Revenue Bond Empire Utility Agency Sewer Project), 5.75% due 11/01/2019 (h)
2,705	Contra Costa County, California, Public Financing Lease Revenue Re (Various Capital Facilities), Series A, 5.30% due 8/01/2020 (h)
3 , 750	Cucamonga, California, County Water District, COP, 5.125% due 9/01
2,500	Davis, California, Joint Unified School District, Community Facili Special Tax Refunding Bonds, Number 1, 5.50% due 8/15/2021 (h)
1,030	Garden Grove, California, Public Financing Authority, Revenue Refu (Water Services Capital Improvement Program), COP, 5% due 12/15/20
4,650	Golden State Tobacco Securitization Corporation of California, Tob Revenue Bonds, Series A-4, 7.80% due 6/01/2042
5,025	<pre>Indio, California, Water Authority, Water Enterprise Revenue Bonds 4/01/2030 (a)</pre>
14,915 5,000	<pre>Industry, California, Urban Development Agency, Tax Allocation Ref (Civic-Recreation-Industrial), Series 1, 5.50% due 5/01/2021 (Civic-Recreational-Industrial Redevelopment Project No. 1), 5 due 5/01/2020</pre>
2,000	Los Angeles, California, COP (Sonnenblick Del Rio West Los Angeles due 11/01/2031 (a)
10,000	Los Angeles, California, Community College District, GO, Series A, 8/01/2021 (h)
4,000 2,000 6,000	Los Angeles, California, Harbor Department Revenue Bonds, AMT: RITR, Series RI-7, 10.225% due 11/01/2026 (h)(j) Series B, 6% due 8/01/2015 Series B, 5.375% due 11/01/2023
7,000	Los Angeles, California, Wastewater System Revenue Bonds, Series A
1,000	nos angeres, carriornia, wastewater system Revenue Bonds, Series A

due 6/01/2023 (c)

4,500

- Los Angeles, California, Wastewater System Revenue Refunding Bonds Subordinate Series A, 5% due 6/01/2027 (h)
- 4,000 Los Angeles County, California, Metropolitan Transportation Author Sales Tax Revenue Bonds (Proposition C), Second Tier, Senior Serie 5.50% due 7/01/2005 (a)(i)
- Los Angeles County, California, Public Works Financing Authority, 5,000 Bonds (Multiple Capital Facilities Project VI), Series A, 5.625% d
- 1,000 Metropolitan Water District of Southern California, Waterworks Rev Series B-3, 5% due 10/01/2029
- 8,705 Modesto, California, Wastewater Treatment Facilities Revenue Bonds due 11/01/2017 (h)
- North City-West, California, School Facilities Financing Authority 1,750 Refunding Bonds, Series B, 5.75% due 9/01/2015 (f)
 - Oakland, California, Alameda County Unified School District, GO, S
- 3,290 5.50% due 8/01/2017
- 3,770 5.50% due 8/01/2018
 - Oakland, California, Joint Powers Financing Authority, Lease Reven (Oakland Administration Buildings) (a) (i):
- 11,395 5.75% due 8/01/2006
- 2,000 5.90% due 8/01/2006
- 3,000 Oxnard, California, Financing Authority, Wastewater Revenue Bonds Trunk Sewer and Headworks Projects), Series A, 5.25% due 6/01/2034
- 1,000 Palm Springs, California, Financing Authority, Lease Revenue Refun (Convention Center Project), Series A, 5.50% due 11/01/2035 (h)
- Pleasant Valley, California, School District, Ventura County, GO, 1,750 due 8/01/2025 (b) (h)
- 2,255 Pomona, California, Public Financing Authority Revenue Refunding E Redevelopment Project), Series Al, 5.75% due 2/01/2034
- 10,600 Port Oakland, California, Port Revenue Refunding Bonds, Series I, 11/01/2017 (h)
- Port Oakland, California, RIB, Refunding, AMT, Series 717X, 8.62% 5,808 11/01/2027 (c)(j)
- 4,315 Rancho Cucamonga, California, Redevelopment Agency, Tax Allocation (Rancho Redevelopment Project), 5.25% due 9/01/2020 (f)
- Richmond, California, Redevelopment Agency, Tax Allocation Refundi 2,345 (Harbour Redevelopment Project), Series A, 5.50% due 7/01/2018 (h)
- Riverside County, California, Public Financing Authority, Tax Allo 5,450 Bonds (Redevelopment Projects), 5% due 10/01/2035 (1)
- Sacramento, California, Municipal Utility District, Electric Reven 5,000 Bonds, Series L, 5.125% due 7/01/2022 (h)

Sacramento County, California, Sanitation District Financing Author Refunding Bonds:

5% due 7/01/2029 (f)

RIB, Series 366, 9.612% due 12/01/2027 (j)

Trust Receipts, Class R, Series A, 9.811% due 12/01/2019 (j)

San Bernardino, California, City Unified School District, GO, Refu

San Bernardino, California, Joint Powers Financing Authority, Leas Bonds (Department of Transportation Lease), Series A, 5.50% due 12

San Bernardino, California, Joint Powers Financing Authority, Tax

San Diego, California, Unified School District, GO (Election of 19

San Francisco, California, City and County Airport Commission, Int

Revenue Refunding Bonds, Series A, 5.75% due 10/01/2015 (f)

Series A, 5.60% due 12/01/2017

Series A, 5.75% due 12/01/2018

Series A, 5.875% due 8/01/2009 (c)(i)

4,500

5,695

6,190

3,750

10,100

3,000

5,000

3,600

2,000

Airport Revenue Bonds, AMT, Second Series, Issue 11, 6.25% due 5/0 San Francisco, California, City and County Educational Facilities, 1,720 (Community College), Series A, 5.75% due 6/15/2019 1,310 San Francisco, California, City and County Zoo Facilities, GO, Ser due 6/15/2019 San Jose, California, Airport Revenue Bonds, Series D, 5% due 3/01 4,615 5,000 San Jose, California, Financing Authority, Lease Revenue Bonds (Ci Project), Series B, 5% due 6/01/2032 (a) San Juan, California, Unified School District, GO (Election of 200 5,000 8/01/2028 (h) 2,020 Santa Clara, California, Unified School District, GO, 5.50% due 7/ Santa Clara County, California, Housing Authority, M/F Housing Rev 3,500 (John Burns Gardens Apartments Project), AMT, Series A, 6% due 8/0 4,000 Santa Monica, California, Redevelopment Agency, Tax Allocation Bon Recovery Redevelopment Project), 6% due 7/01/2029 (a) 2,000 Sequoia, California, Unified High School District, GO, 5.70% due 7 2,265 South Bayside, California, Waste Management Authority, Waste Syste Bonds, 5.75% due 3/01/2020 (a) Southern California Home Finance Authority, S/F Mortgage Revenue E (Mortgage-Backed Securities Program), AMT, Series A, 6.75% due 9/0 Taft, California, Public Financing Authority, Lease Revenue Bonds 3,235 Correctional Facility), Series A, 6.05% due 1/01/2017 (h) 1,310 Torrance, California, Hospital Revenue Refunding Bonds (Torrance M Center), Series A, 6% due 6/01/2022 1,000 Ventura, California, Unified School District, GO (Election of 1997 5.125% due 8/01/2034 (f) 3,990 Vernon, California, Electric System Revenue Bonds (Malburg Generat Project), 5.50% due 4/01/2008 (i)

5,0	000	Vista, California, Joint Powers Financing Authority, Lease Revenue 5.625% due $5/01/2016$ (h)
5,6	605	Whittier, California, Union High School District, GO (Election of 5% due $8/01/2033$ (f)
Puerto Rico - 4.6%		
2,1	140	Puerto Rico Commonwealth Highway and Transportation Authority, Hig Bonds, Series Y, 5.50% due $7/01/2006$ (h)(i)
3,0	000	Puerto Rico Commonwealth, Public Improvement, GO, Series A, 5% due
,	500 600	Puerto Rico Electric Power Authority, Power Revenue Bonds: Series NN, 5.125% due 7/01/2029 Series X, 5.50% due 7/01/2005 (h)
U.S. Virgin Islands - 1.0%	9	

U.S. Virgin Islands - 1.0%

3,000 Virgin Islands Government Refinery Facilities, Revenue Refunding E (Hovensa Coker Project), AMT, 6.50% due 7/01/2021

> Total Investments (Cost - \$425,803*) - 139.9% Other Assets Less Liabilities - 3.3% Preferred Stock, at Redemption Value - (43.2%)

> Net Assets Applicable to Common Stock - 100.0%

*The cost and unrealized appreciation (depreciation) of investments as of January 31, 2005, computed for federal income tax purposes, were as follows:

(in Thousands)

Aggregate cost	\$425,803
Gross unrealized appreciation	\$ 28,099
Gross unrealized depreciation	(27)
Net unrealized appreciation	\$ 28,072

- (a) AMBAC Insured.
- (b) Escrowed to maturity.
- (c) FGIC Insured.
- (d) FHLMC Collateralized.
- (e) FNMA/GNMA Collateralized.
- (f)FSA Insured.
- (g) GNMA Collateralized.
- (h) MBIA Insured.
- (i) Prerefunded.
- (j) The rate disclosed is that currently in effect. This rate changes periodically and inversely based upon prevailing market rates.

(k) Security has a maturity of more than one year, but has variable rate and demand features, which qualify it as a short-term security. The rate disclosed is that currently in effect. This rate changes periodically based upon prevailing market rates.

(1) XL Capital Insured.

Investments in companies considered to be an affiliate of the Fund (such companies are defined as "Affiliated Companies" in Section 2(a)(3) of the Investment Company Act of 1940) were as follows:

(in Thousands)

Affiliate	Net Activity	Dividend Income
CMA California Municipal Money Fund	(859)	\$ 9

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.,
President
MuniYield California Fund, Inc.

Date: March 21, 2005

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.,

President

MuniYield California Fund, Inc.

Date: March 21, 2005

By: /s/ Donald C. Burke Donald C. Burke,

Chief Financial Officer

MuniYield California Fund, Inc.

Date: March 21, 2005