

EATON VANCE CALIFORNIA MUNICIPAL BOND FUND

Form N-Q

February 28, 2011

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form N-Q

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

811-21147

Investment Company Act File Number

Eaton Vance California Municipal Bond Fund

(Exact Name of Registrant as Specified in Charter)

Two International Place, Boston, Massachusetts 02110

(Address of Principal Executive Offices)

Maureen A. Gemma

Two International Place, Boston, Massachusetts 02110

(Name and Address of Agent for Services)

(617) 482-8260

(Registrant's Telephone Number, Including Area Code)

September 30

Date of Fiscal Year End

December 31, 2010

Date of Reporting Period

Item 1. Schedule of Investments

Eaton Vance California Municipal Bond Fund

as of December 31, 2010

PORTFOLIO OF INVESTMENTS (Unaudited)

Tax-Exempt Investments 181.6%

Principal
Amount(000 s
omitted)

Electric Utilities	Security	Value
\$ 3,940	Puerto Rico Electric Power Authority, 5.25%, 7/1/40	\$ 3,677,596
2,375	Vernon, Electric System Revenue, 5.125%, 8/1/21	2,415,802
		\$ 6,093,398

General Obligations 7.1%

\$ 4,600	California, 5.50%, 11/1/35	\$ 4,481,136
7,020	Palo Alto, (Election of 2008), 5.00%, 8/1/40 ⁽¹⁾	7,070,193
5,000	San Francisco Bay Area Rapid Transit District, (Election of 2004), 5.00%, 8/1/35	5,012,300
		\$ 16,563,629

Hospital 12.8%

\$ 2,000	California Health Facilities Financing Authority, (Catholic Healthcare West), 5.25%, 7/1/23	\$ 2,029,960
4,745	California Health Facilities Financing Authority, (Cedars-Sinai Medical Center), 5.00%, 8/15/39	4,309,599
2,200	California Statewide Communities Development Authority, (Cottage Health System), 5.00%, 11/1/40	1,971,508
4,780	California Statewide Communities Development Authority, (Huntington Memorial Hospital), 5.00%, 7/1/35	4,170,502
2,330	California Statewide Communities Development Authority, (John Muir Health), 5.00%, 8/15/34	2,086,235
3,850	California Statewide Communities Development Authority, (Kaiser Permanente), 5.25%, 3/1/45	3,520,440
3,950	Torrance Hospital, (Torrance Memorial Medical Center), 5.50%, 6/1/31	3,930,606
2,045	Turlock, (Emanuel Medical Center, Inc.), 5.375%, 10/15/34	1,750,561
3,165	Washington Township Health Care District, 5.00%, 7/1/32	2,717,247
1,000	Washington Township Health Care District, 5.00%, 7/1/37	841,420
3,005	Washington Township Health Care District, 5.25%, 7/1/29	2,745,819
		\$ 30,073,897

Insured-Electric Utilities 13.9%

\$ 20,000	Anaheim Public Financing Authority, (Electric System District), (BHAC), (NPF), 4.50%, 10/1/32 ⁽¹⁾	\$ 18,321,801
6,750		6,955,672

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Los Angeles Department of Water and Power, (AMBAC), (BHAC),
5.00%, 7/1/26⁽¹⁾

2,000	Northern California Power Agency, (Hydroelectric), (AGC), 5.00%, 7/1/24	2,040,100
1,000	Sacramento Municipal Utility District, (AGM), 5.00%, 8/15/27	1,002,770
4,000	Sacramento Municipal Utility District, (AMBAC), (BHAC), 5.25%, 7/1/24	4,403,800
		\$ 32,724,143

Insured-Escrowed/Prerefunded 7.8%

\$ 3,090	California Infrastructure & Economic Development Bank, (Bay Area Toll Bridges), (AMBAC), Prerefunded to 1/1/28, 5.00%, 7/1/36 ⁽²⁾	\$ 3,378,359
13,940	Sacramento County Airport System, (AGM), Prerefunded to 7/1/12, 5.00%, 7/1/27 ⁽¹⁾	14,855,579
		\$ 18,233,938

Insured-General Obligations 30.7%

\$ 4,260	Antelope Valley Community College District, (Election of 2004), (NPF), 5.25%, 8/1/39	\$ 4,200,829
1,190	Azusa Unified School District, (AGM), 0.00%, 7/1/25	487,519
4,135	Burbank Unified School District, (FGIC), (NPF), 0.00%, 8/1/21	2,372,663
10,000	Chabot-Las Positas, Community College District, (AMBAC), 0.00%, 8/1/32	2,338,500
9,500	Chabot-Las Positas, Community College District, (AMBAC), 0.00%, 8/1/37	1,539,570
14,755	Chabot-Las Positas, Community College District, (AMBAC), 0.00%, 8/1/44	1,413,234
2,000	Chino Valley Unified School District, (AGM), 5.00%, 8/1/26	1,995,620
10,600	Coast Community College District, (Election of 2002), (AGM), 0.00%, 8/1/33	2,300,730
23,150	Coast Community College District, (Election of 2002), (AGM), 0.00%, 8/1/34	4,679,078
3,595	El Camino Hospital District, (NPF), 4.45%, 8/1/36	3,126,895
6,040	Escondido, (Election of 2004), (NPF), 4.75%, 9/1/36	5,300,281
2,060	Huntington Beach, City School District, (FGIC), (NPF), 0.00%, 8/1/25	825,504
2,140	Huntington Beach, City School District, (FGIC), (NPF), 0.00%, 8/1/26	790,965

Principal Amount (000 s omitted)	Security	Value
\$ 2,000	Jurupa Unified School District, (FGIC), (NPFG), 0.00%, 8/1/23	\$ 886,120
2,000	Jurupa Unified School District, (FGIC), (NPFG), 0.00%, 8/1/26	692,820
7,300	Los Angeles Community College District, (Election of 2001), (AGM), (FGIC), 5.00%, 8/1/32	7,125,530
2,900	Modesto High School District, Stanislaus County, (FGIC), (NPFG), 0.00%, 8/1/24	1,233,080
4,500	Palm Springs Unified School District, (Election of 2008), (AGC), 5.00%, 8/1/33	4,490,730
2,325	San Diego Unified School District, (FGIC), (NPFG), 0.00%, 7/1/22	1,269,008
6,480	San Diego Unified School District, (FGIC), (NPFG), 0.00%, 7/1/23	3,217,514
5,630	San Juan Unified School District, (AGM), 0.00%, 8/1/21	3,230,494
4,840	San Mateo County, Community College District, (FGIC), (NPFG), 0.00%, 9/1/22	2,644,963
4,365	San Mateo County, Community College District, (FGIC), (NPFG), 0.00%, 9/1/23	2,225,364
3,955	San Mateo County, Community College District, (FGIC), (NPFG), 0.00%, 9/1/25	1,756,811
5,240	San Mateo Union High School District, (FGIC), (NPFG), 0.00%, 9/1/21	3,085,574
5,195	Santa Clara Unified School District, (Election of 2004), (AGM), 4.375%, 7/1/30	4,740,282
2,450	Union Elementary School District, (FGIC), (NPFG), 0.00%, 9/1/24	1,102,770
3,000	Ventura County, Community College District, (NPFG), 5.00%, 8/1/27	3,012,840
		\$ 72,085,288
Insured-Hospital 15.1%		
\$ 2,205	California Health Facilities Financing Authority, (Cedars-Sinai Medical Center), (BHAC), 5.00%, 11/15/34	\$ 2,114,419
19,495	California Health Facilities Financing Authority, (Sutter Health), (BHAC), (NPFG), 5.00%, 8/15/38 ⁽¹⁾	18,582,634
10,000	California Statewide Communities Development Authority, (Kaiser Permanente), (BHAC), 5.00%, 4/1/31 ⁽¹⁾	9,671,600
3,500	California Statewide Communities Development Authority, (Kaiser Permanente), (BHAC), 5.00%, 3/1/41 ⁽¹⁾	3,275,160
2,000	California Statewide Communities Development Authority, (Sutter Health), (AMBAC), (BHAC), 5.00%, 11/15/38 ⁽¹⁾	1,886,640
		\$ 35,530,453
Insured-Lease Revenue/Certificates of Participation 15.9%		
\$ 11,915	California Public Works Board, (California Community College), (FGIC), (NPFG), 4.00%, 10/1/30	\$ 8,913,373
3,885	Puerto Rico Public Finance Corp., (AMBAC), Escrowed to Maturity, 5.50%, 8/1/27	4,526,996
10,000	San Diego County Water Authority, Certificates of Participation, (AGM), 5.00%, 5/1/38 ⁽¹⁾	9,744,800
1,000	San Jose Financing Authority, (Civic Center), (AMBAC), (BHAC), 5.00%, 6/1/37	952,110
14,000		13,329,540

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San Jose Financing Authority, (Civic Center), (AMBAC), (BHAC),
5.00%, 6/1/37⁽¹⁾

\$ 37,466,819

Insured-Other Revenue 3.0%

\$ 7,800 Golden State Tobacco Securitization Corp., (AGC), 5.00%, 6/1/45⁽¹⁾ \$ 7,055,958

\$ 7,055,958

Insured-Private Education 0.4%

\$ 1,000 California Educational Facilities Authority, (Pepperdine University), (FGIC),
(NPF), 5.00%, 9/1/33 \$ 963,810

\$ 963,810

Insured-Public Education 12.4%

\$ 8,250 California State University, (AGM), (BHAC), 5.00%, 11/1/39⁽¹⁾ \$ 7,980,390

3,095 University of California, (AGM), 4.50%, 5/15/26⁽¹⁾ 3,089,738

6,690 University of California, (AGM), 4.50%, 5/15/28⁽¹⁾ 6,420,661

2,115 University of California, (BHAC), (FGIC), 4.75%, 5/15/37 1,929,663

10,750 University of California, (BHAC), (FGIC), 4.75%, 5/15/37⁽¹⁾ 9,807,978

\$ 29,228,430

Insured-Special Assessment Revenue 5.5%

\$ 7,765 Ceres, Redevelopment Agency Tax, (AMBAC), 4.00%, 11/1/36 \$ 5,231,824

5,940 Pomona, Public Financing Authority, (NPF), 5.00%, 2/1/33 5,053,752

3,110 Santa Cruz County, Redevelopment Agency Tax, (NPF), 5.00%, 9/1/35 2,706,602

\$ 12,992,178

Principal Amount (000 s omitted)	Security	Value
Insured-Special Tax Revenue 11.7%		
\$ 595	Hesperia Public Financing Authority, (Redevelopment and Housing Projects), (XLCA), 5.00%, 9/1/31	\$ 457,918
7,240	Hesperia Public Financing Authority, (Redevelopment and Housing Projects), (XLCA), 5.00%, 9/1/37	5,369,329
2,400	North City, School Facility Financing Authority, (AMBAC), 0.00%, 9/1/26	826,680
59,440	Puerto Rico Sales Tax Financing Corp., (AMBAC), 0.00%, 8/1/54	3,098,607
8,900	Puerto Rico Sales Tax Financing Corp., (NPF), 0.00%, 8/1/44	992,350
25,860	Puerto Rico Sales Tax Financing Corp., (NPF), 0.00%, 8/1/45	2,667,976
16,350	Puerto Rico Sales Tax Financing Corp., (NPF), 0.00%, 8/1/46	1,564,859
6,645	San Francisco Bay Area Rapid Transportation District, Sales Tax Revenue, (AGM), 4.25%, 7/1/36	5,805,537
2,255	San Francisco Bay Area Rapid Transportation District, Sales Tax Revenue, (AMBAC), 5.00%, 7/1/31	2,255,000
5,680	San Jose Redevelopment Agency, (Merged Area Redevelopment Project), (XLCA), 4.25%, 8/1/36	4,434,546
		\$ 27,472,802
Insured-Transportation 0.3%		
\$ 3,445	San Joaquin Hills, Transportation Corridor Agency, (NPF), 0.00%, 1/15/30	\$ 699,714
		\$ 699,714
Insured-Water Revenue 30.6%		
\$ 8,000	California Department of Water Resources Center, (Valley Project), (BHAC), (FGIC), 5.00%, 12/1/29 ⁽¹⁾	\$ 8,024,320
65	Calleguas Las Virgines Public Financing Authority, (Municipal Water District), (BHAC), (FGIC), 4.75%, 7/1/37	61,488
7,000	Calleguas Las Virgines Public Financing Authority, (Municipal Water District), (BHAC), (FGIC), 4.75%, 7/1/37 ⁽¹⁾	6,621,790
5,500	Contra Costa, Water District, (AGM), 4.50%, 10/1/31 ⁽¹⁾	4,991,635
345	East Bay Municipal Utility District, Water System Revenue, (AGM), (FGIC), 5.00%, 6/1/32	349,520
5,615	East Bay Municipal Utility District, Water System Revenue, (FGIC), (NPF), 5.00%, 6/1/32	5,688,557
7,750	Los Angeles Department of Water and Power, (BHAC), (FGIC), 5.00%, 7/1/43 ⁽¹⁾	7,537,728
14,750	Los Angeles Department of Water and Power, (BHAC), (NPF), 5.125%, 7/1/41 ⁽¹⁾	14,704,865
10,000	Metropolitan Water District Water and Sewer Systems, (BHAC), (FGIC), 5.00%, 10/1/36 ⁽¹⁾	9,977,700
1,595	Riverside, Water Revenue, (AGM), 5.00%, 10/1/38	1,565,524
6,135	San Luis Obispo County, (Nacimiento Water Project), (NPF), 4.50%, 9/1/40	5,183,093
8,415	Santa Clara Valley Water District, (AGM), 3.75%, 6/1/28	7,188,766

\$ 71,894,986

Private Education 6.8%

\$	2,630	California Educational Facilities Authority, (Claremont McKenna College), 5.00%, 1/1/27	\$ 2,660,192
	1,375	California Educational Facilities Authority, (Loyola Marymount University), 5.00%, 10/1/30	1,336,239
	3,630	California Educational Facilities Authority, (Santa Clara University), 5.00%, 2/1/29	3,623,430
	4,290	California Educational Facilities Authority, (Santa Clara University), 5.00%, 2/1/40	4,215,569
	2,660	California Educational Facilities Authority, (Stanford University), 5.25%, 4/1/40	2,875,513
	1,130	California Educational Facilities Authority, (University of Southern California), 5.25%, 10/1/38	1,152,600
			\$ 15,863,543

Transportation 5.0%

\$	1,960	Long Beach, Harbor Revenue, 5.00%, 5/15/27	\$ 1,995,868
	7,500	Los Angeles Department of Airports, (Los Angeles International Airport), 5.00%, 5/15/35 ⁽¹⁾	7,263,450

Principal Amount (000 s omitted)	Security	Value
\$ 2,680	San Francisco City & County Airport Commission, (San Francisco International Airport), 5.00%, 5/1/40	\$ 2,467,530
		\$ 11,726,848
Total Tax-Exempt Investments	181.6%	
(identified cost \$461,799,364)		\$ 426,669,834
Other Assets, Less Liabilities	(81.6)%	\$ (191,690,506)
Net Assets	100.0%	\$ 234,979,328

The percentage shown for each investment category in the Portfolio of Investments is based on net assets.

- AGC - Assured Guaranty Corp.
- AGM - Assured Guaranty Municipal Corp.
- AMBAC - AMBAC Financial Group, Inc.
- BHAC - Berkshire Hathaway Assurance Corp.
- FGIC - Financial Guaranty Insurance Company
- NPFG - National Public Finance Guaranty Corp.
- XLCA - XL Capital Assurance, Inc.

The Fund invests primarily in debt securities issued by California municipalities. The ability of the issuers of the debt securities to meet their obligations may be affected by economic developments in a specific industry or municipality. In order to reduce the risk associated with such economic developments, at December 31, 2010, 81.2% of total investments are backed by bond insurance of various financial institutions and financial guaranty assurance agencies. The aggregate percentage insured by an individual financial institution ranged from 2.4% to 34.3% of total investments.

- (1) Security represents the underlying municipal bond of an inverse floater.
- (2)

Security (or a portion thereof) has been pledged to cover margin requirements on open financial futures contracts.

A summary of open financial instruments at December 31, 2010 is as follows:

Futures Contracts

Expiration Date	Contracts	Position	Aggregate Cost	Value	Net Unrealized Appreciation
3/11	144 U.S. 30-Year Treasury Bond	Short	\$ (18,222,246)	\$ (17,586,000)	\$ 636,246

At December 31, 2010, the Fund had sufficient cash and/or securities to cover commitments under these contracts.

The Fund is subject to interest rate risk in the normal course of pursuing its investment objectives. Because the Fund holds fixed rate bonds, the value of these bonds may decrease if interest rates rise. The Fund purchases and sells U.S. Treasury futures contracts to hedge against changes in interest rates.

At December 31, 2010, the aggregate fair value of derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) in an asset position and whose primary underlying risk exposure is interest rate risk was \$636,246.

The cost and unrealized appreciation (depreciation) of investments of the Fund at December 31, 2010, as determined on a federal income tax basis, were as follows:

Aggregate cost	\$ 266,815,370
Gross unrealized appreciation	\$ 1,385,155
Gross unrealized depreciation	(38,055,691)
Net unrealized depreciation	\$ (36,670,536)

Under generally accepted accounting principles for fair value measurements, a three-tier hierarchy to prioritize the assumptions, referred to as inputs, is used in valuation techniques to measure fair value. The three-tier hierarchy of inputs is summarized in the three broad levels listed below.

Level 1 quoted prices in active markets for identical investments

Level 2 other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)

Level 3 significant unobservable inputs (including a fund's own assumptions in determining the fair value of investments)

In cases where the inputs used to measure fair value fall in different levels of the fair value hierarchy, the level disclosed is determined based on the lowest level input that is significant to the fair value measurement in its entirety. The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

At December 31, 2010, the hierarchy of inputs used in valuing the Fund's investments, which are carried at value, were as follows:

Asset Description	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
Tax-Exempt Investments	\$	\$ 426,669,834	\$	\$ 426,669,834
Total Investments	\$	\$ 426,669,834	\$	\$ 426,669,834
Futures Contracts	\$ 636,246	\$	\$	\$ 636,246
Total	\$ 636,246	\$ 426,669,834	\$	\$ 427,306,080

The Fund held no investments or other financial instruments as of September 30, 2010 whose fair value was determined using Level 3 inputs. At December 31, 2010, the value of investments transferred between Level 1 and Level 2, if any, during the fiscal year to date then ended was not significant.

For information on the Fund's policy regarding the valuation of investments and other significant accounting policies, please refer to the Fund's most recent financial statements included in its semiannual or annual report to shareholders.

Item 2. Controls and Procedures

(a) It is the conclusion of the registrant's principal executive officer and principal financial officer that the effectiveness of the registrant's current disclosure controls and procedures (such disclosure controls and procedures having been evaluated within 90 days of the date of this filing) provide reasonable assurance that the information required to be disclosed by the registrant on this Form N-Q has been recorded, processed, summarized and reported within the time period specified in the Commission's rules and forms and that the information required to be disclosed by the registrant on this Form N-Q has been accumulated and communicated to the registrant's principal executive officer and principal financial officer in order to allow timely decisions regarding required disclosure.

(b) There have been no changes in the registrant's internal controls over financial reporting during the fiscal quarter for which the report is being filed that have materially affected, or are reasonably likely to materially affect the registrant's internal control over financial reporting.

Signatures

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.

Eaton Vance California Municipal Bond Fund

By: /s/ Cynthia J. Clemson

Cynthia J. Clemson
President

Date: February 23, 2011

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/ Cynthia J. Clemson

Cynthia J. Clemson
President

Date: February 23, 2011

By: /s/ Barbara E. Campbell

Barbara E. Campbell
Treasurer

Date: February 23, 2011